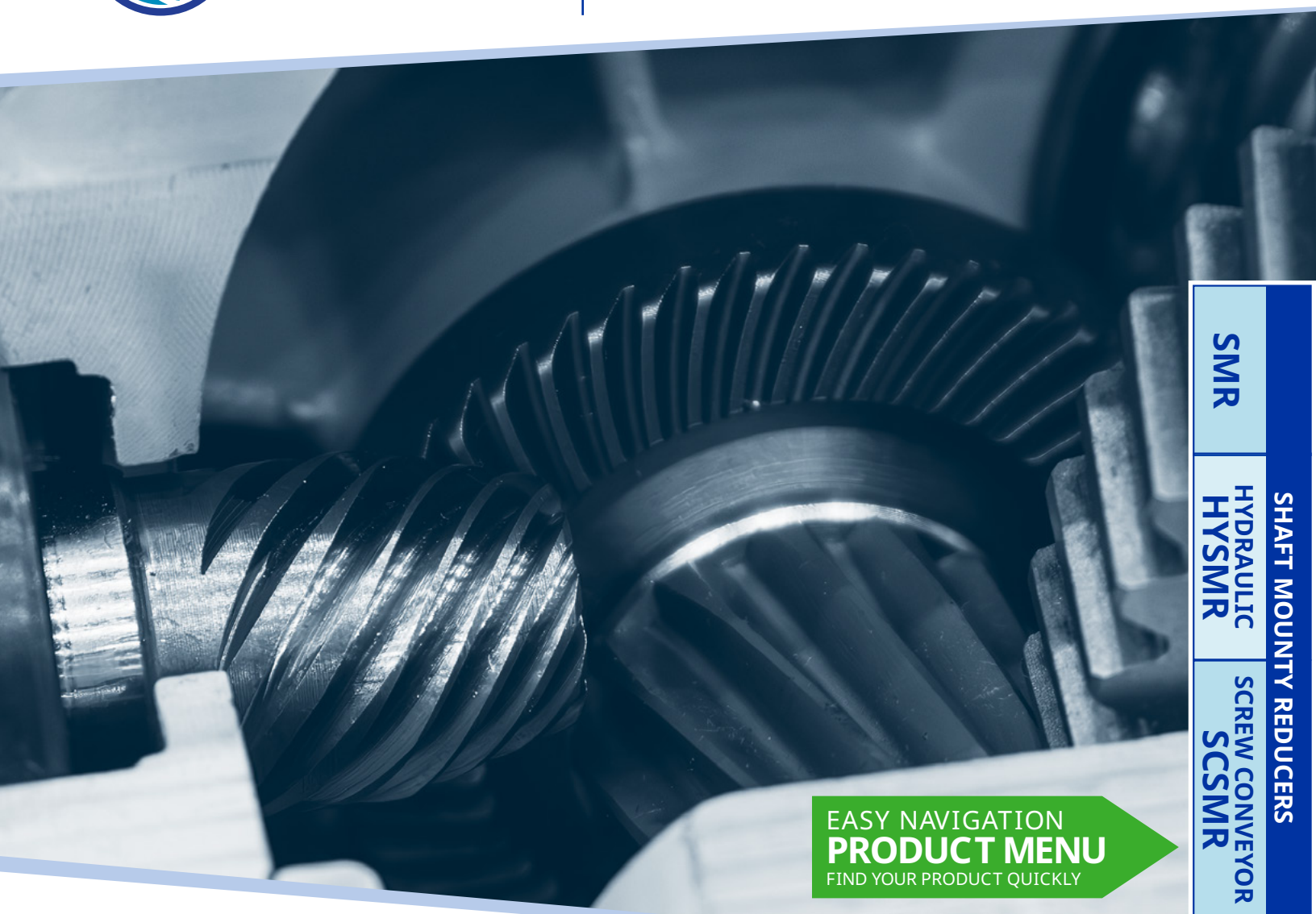
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2026

WorldWide Electric's Complete Line of Helical-Bevel, Inline, Worm Gear, and Shaft Mount Reducers

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WorldWide Electric Gear Reducers

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WorldWide Electric is a leading manufacturer of electric motors, motor controls, gear reducers, and generators. For 25 years, we have been responding to customer needs with a shared sense of urgency.

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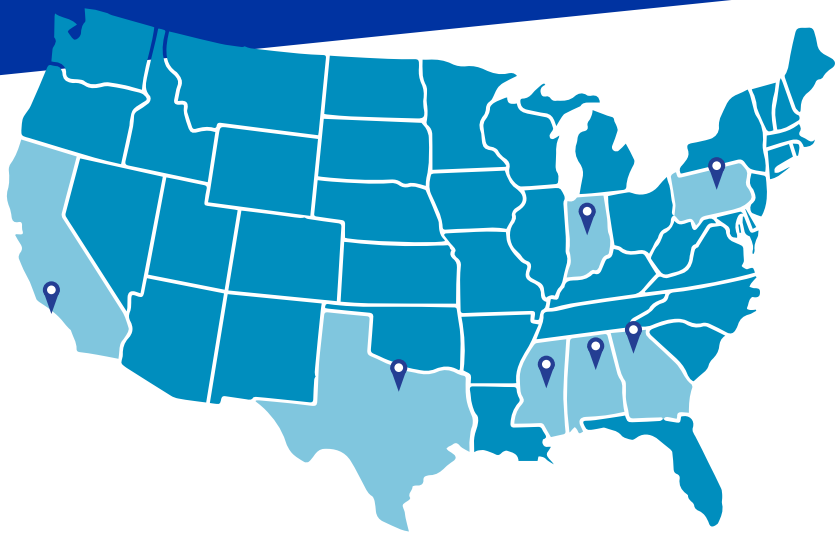
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Shaft Mount Reducers

Information required to size a motor and shaft mount reducer for a belt conveyor drive system

1) What is the length of conveyor?

2) What is the conveyor belt width?

3) What is the incline angle or discharge height from load zone/ground?

4) What is the head-pulley (drum) diameter?

5) What type of material is being conveyed?

6) What is the productivity or through-put expressed in either tons per hour and/or feet per minute?

7) How many hours of operation does the equipment operate per day or per week?

8) Is there the presence of shock loading, and if so what is the frequency and severity?

9) What is the number of starts and stops (cycles) per hour or day?

SMR Series
The Original Shaft Mount Reducer

Product Specifications & Order Codes

- 15:1 and 25:1 ratios
- Box sizes 2 - 12
- Tapered bushing type
- (bushing not included)
- Premium quality ball and tapered bearings - double lip seals
- Shafts and gears manufactured from high-grade steel, case-hardened and precision-ground to A.G.M.A. standards
- Industrial grade all-cast iron housings protect gearing for life
- Extended gear centers and tooth contact
- Metal reinforced double lip, spring loaded oil seals
- Dimensional drop-in for all major makes
- Torque arm included
- 3 year warranty

Accessories & Parts are shown on Pages 22-23



Box Size	Ratio	Output Bore (Max.)	Approx. Wt. (lbs.)	Model Number	List Price
2	15:1	1 15/16"	58	SMR2-15/1	$1,271.96
	25:1			SMR2-25/1	$1,271.96
3	15:1	2 3/16"	98	SMR3-15/1	$2,259.31
	25:1			SMR3-25/1	$2,259.31
4	15:1	2 7/16"	139	SMR4-15/1	$3,055.84
	25:1			SMR4-25/1	$3,055.84
5	15:1	2 15/16"	207	SMR5-15/1	$4,589.30
	25:1			SMR5-25/1	$4,589.30
6	15:1	3 7/16"	285	SMR6-15/1	$5,996.58
	25:1			SMR6-25/1	$5,996.58
7	15:1	3 15/16"	462	SMR7-15/1	$9,569.39
	25:1			SMR7-25/1	$9,569.39
8	15:1	4 7/16"	633	SMR8-15/1	$16,271.02
	25:1			SMR8-25/1	$16,271.02
9	15:1	4 15/16"	760	SMR9-15/1	$21,341.92
	25:1			SMR9-25/1	$21,341.92
10	15:1	5 7/16"	882	SMR10-15/1	$35,112.29
	25:1			SMR10-25/1	$35,112.29
12	15:1	6 1/2"	1785	SMR12-15/1	$61,603.89
	25:1			SMR12-25/1	$61,603.89

Overhung Load Capacity of Output Shaft (lbs.)

Box Size	Shaft Size	Output Speed (RPM)										
		10	20	30	50	80	100	120	140	160	180	200
2	1 7/16	2000	1510	1270	1010	840	820	720	720	710	710	700
	1 15/16	1750	1320	1110	890	730	710	630	630	620	620	610
3	1 15/16	5400	4250	3680	3050	2620	2440	2310	2210	2110	2040	1980
	2 3/16	5240	4120	3570	2960	2540	2370	2240	2140	2050	1980	1920
4	2 3/16	6520	5180	4510	3800	3230	3000	2830	2710	2600	2510	2430
	2 7/16	6360	5060	4410	3710	3160	2930	2770	2640	2530	2450	2370
5	2 7/16	7460	5860	5080	4280	3690	3450	3270	3110	2980	2880	2790
	2 15/16	7060	5540	4800	4040	3490	3260	3090	2940	2820	2720	2640
6	2 15/16	9100	7100	6100	5000	4100	4050	3700	3550	3400	3300	3200
	3 7/16	8200	6400	5500	4500	3700	3650	3400	3300	3250	3200	3150
7	3 7/16	11400	9500	7300	5950	4750	5050	4500	4300	4250	4200	4150

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Mechanical Ratings

Reducer Model Number	Service Class I			Service Class II			Service Class III		
	Power (HP)	Output (RPM)	Output * Torque	Power (HP)	Output (RPM)	Output * Torque	Power (HP)	Output (RPM)	Output * Torque
SMR2-15/1	2	18-32	6700-3769	1.5	19-34	4761-2660	1.5	27-51	3350-1774
	3	27-51	6700-3547	2	25-47	4824-2566	2	37-71	3260-1699
	5	71-85	4247-3547	3	39-75	4639-2412	3	58-113	3119-1601
	7.5	75-140	6030-3230	5	70-136	4307-2217	5	104-140	2899-2154
	10	104-140	5798-4307	7.5	111-140	4074-3230	—	—	—
SMR2-25/1	0.5	4-6	7538-5025	0.33	4-6	5025-3350	0.25	4-6	3769-2513
	0.75	6-10	7538-4523	0.5	6-9	5025-3350	0.33	5-9	4020-2233
	1	8-15	7538-4020	0.75	9-16	5025-2827	0.5	8-15	3769-2010
	1.5	13-23	6958-3933	1	12-22	5025-2741	0.75	13-23	3479-1966
	2	18-32	6700-3769	1.5	19-34	4761-2660	1	18-32	3350-1884
	3	27-51	6700-3547	2	25-47	4824-2566	1.5	27-51	3350-1774
	5	47-70	6415-4307	3	39-75	4639-2412	2	37-71	3260-1699
	7.5	75-85	6030-5321	5	70-85	4307-3547	3	58-85	3119-2128
SMR3-15/1	5	27-46	11167-6555	2	15-24	8040-5025	2	22-36	5482-3350
	7.5	41-74	11031-6112	3	23-38	7865-4761	3	33-57	5482-3174
	10	57-103	10579-5855	5	38-69	7934-4370	5	57-103	5290-2927
	15	94-140	9623-6461	7.5	60-110	7538-4111	7.5	94-140	4811-3230
	—	—	—	10	85-140	7094-4307	—	—	—
SMR3-25/1	0.75	4-5	11307-9045	0.5	4-5	7538-6030	0.5	6-7	5025-4307
	1	6-7	10050-8615	0.75	6-8	7538-5653	0.75	8-12	5653-3769
	1.5	8-12	11307-7538	1	8-11	7538-5482	1	11-17	5482-3547
	2	11-17	10964-7094	1.5	12-18	7538-5025	1.5	16-26	5653-3479
	3	16-26	11307-6958	2	15-24	8040-5025	2	22-36	5482-3350
	5	27-46	11167-6555	3	23-38	7865-4761	3	33-57	5482-3174
	7.5	41-74	11031-6112	5	38-69	7934-4370	5	57-85	5290-3547
	10	57-85	10579-7094	7.5	60-85	7538-5321	—	—	—
SMR4-15/1	5	18-26	16750-11596	3	15-22	12060-8223	3	21-32	8615-5653
	7.5	27-40	16750-11307	5	25-37	12060-8149	5	37-56	8149-5384
	10	37-56	16298-10768	7.5	39-59	11596-7665	7.5	57-93	7934-4863
	15	57-93	15869-9726	10	53-84	11378-7179	10	79-141	7633-4277
	20	79-140	15266-8615	15	83-140	10898-6461	—	—	—
	25	102-140	14780-10768	—	—	—	—	—	—
SMR4-25/1	1	4-5	15075-12060	0.75	4-5	11307-9045	0.5	4-5	7538-6030
	1.5	5-7	18091-12922	1	5-7	12060-8515	0.75	5-7	9045-6461
	2	7-10	17229-12060	1.5	7-11	12922-8223	1	7-10	8615-6030
	3	11-15	16446-12060	2	10-14	12060-8615	1.5	11-15	8223-6030
	5	18-26	16750-11596	3	15-22	12060-8223	2	14-21	8615-5743
	7.5	27-40	16750-11307	5	25-37	12060-8149	3	21-32	8615-5653
	10	37-56	16298-10768	7.5	39-59	11596-7665	5	37-56	8149-5384
	15	57-85	15869-10641	10	53-84	11378-7179	7.5	57-85	7934-5321
	20	79-85	15266-14189	—	—	—	—	—	—
SMR5-15/1	10	21-36	28715-16750	7.5	22-38	20557-11902	5	21-36	14358-8375
	15	33-56	27410-16152	10	30-52	20101-11596	7.5	33-56	13705-8076
	20	46-78	26218-15462	15	48-82	118844-11031	10	46-78	13109-7731
	25	60-101	25126-14926	20	69-117	17479-10308	15	76-125	11902-7236
	30	76-125	23803-14472	25	95-125	15869-12060	20	115-125	10487-9648
	40	115-125	20975-19297	—	—	—	—	—	—

* All output torque ratings listed in inch-pounds

Continued On Next Page

Mechanical Ratings (Continued...)

Reducer Model Number	Service Class I			Service Class II			Service Class III		
	Power (HP)	Output (RPM)	Output * Torque	Power (HP)	Output (RPM)	Output * Torque	Power (HP)	Output (RPM)	Output * Torque
SMR5-25/1	1.5	4	22613	1.5	5-6	18091-15075	0.75	4	11307
	2	4-6	30151-20101	2	6-9	20101-13400	1	4-6	15075-10050
	3	6-10	30151-18091	3	9-14	20101-12922	1.5	6-10	15075-9045
	5	10-17	30151-17736	5	15-24	20101-12563	2	8-13	15075-9277
	7.5	16-26	28266-17395	7.5	22-38	20557-11902	3	13-20	13916-9045
	10	21-36	28715-16750	10	30-52	20101-11596	5	21-36	14358-8375
	15	33-56	27410-16152	15	48-82	18844-11031	7.5	33-56	13705-8076
	20	46-78	26218-15462	20	69-80	17479-15075	10	46-78	13109-7731
	25	60-80	25126-18844	—	—	—	—	—	—
SMR6-15/1	15	20-32	45226-28266	10	19-29	31738-20794	7.5	20-32	22613-14133
	20	27-45	44668-26801	15	28-47	32304-19245	10	27-45	22334-13400
	25	34-59	44339-25552	20	39-68	30924-17736	15	42-75	21536-12060
	30	42-75	43073-24121	25	50-94	30151-16038	20	58-114	20794-10579
	40	58-114	41587-21158	30	61-125	29657-14472	25	75-125	20101-12060
	50	75-125	40201-24121	40	89-120	27102-20101	30	99-125	18276-14472
SMR6-25/1	3	4-5	45226-36181	2	4-5	30151-24121	1.5	4-5	22613-18091
	5	7-9	43073-33501	3	6-8	30151-22613	2	5-7	24121-17229
	7.5	10-15	45226-30151	5	9-14	33501-21536	3	8-12	22613-15075
	10	13-20	46386-30151	7.5	14-21	32304-21536	5	13-20	23193-15075
	15	20-32	45226-28266	10	19-29	31738-20794	7.5	20-32	22613-14133
	20	27-45	44668-26801	15	28-47	32304-19245	10	27-45	22334-13400
	25	34-59	44339-25552	20	39-68	30924-17736	15	42-75	21536-12060
	30	42-75	43073-24121	25	50-80	30151-18844	20	58-70	20794-17229
	40	58-81	41587-29779	30	61-76	29657-23803	—	—	—
SMR7-15/1	20	19-26	63480-46392	20	27-38	44664-31740	10	19-26	31740-23196
	25	24-33	62820-45684	25	34-49	44340-30768	15	29-41	31188-22056
	30	29-41	62388-44124	30	42-60	43068-30156	20	39-57	30924-21156
	40	39-57	61848-42312	40	57-88	42312-27408	25	50-74	30156-20376
	50	50-74	60300-40740	—	—	—	30	61-98	29652-18456
	—	—	—	—	—	—	40	85-89	28380-27108
SMR7-25/1	5	5-6	60300-50256	3	4-5	45228-36180	3	6-7	30156-25848
	7.5	7-9	64608-50256	5	7-8	43068-37692	5	9-12	33504-25128
	10	9-12	67008-50256	7.5	10-13	45228-34788	7.5	14-19	32304-23808
	15	14-19	64608-47604	10	13-18	46392-33504	10	19-26	31740-23196
	20	19-26	63480-46392	15	20-27	45228-33504	15	29-41	31188-22056
	25	24-33	62820-45684	20	27-38	44664-31740	20	39-57	30924-21156
	30	29-41	62388-44124	25	34-49	44340-30768	25	50-74	30156-20376
	40	39-57	61848-42312	30	42-60	43068-30156	30	61-70	29652-25848
	50	50-74	60300-40740	40	57-75	42312-32160	—	—	—
SMR8-15/1	30	20-28	90456-64608	25	23-33	65544-45684	15	20-28	45228-32304
	40	26-38	92772-63480	30	28-41	64608-44124	20	26-38	46392-31740
	50	33-49	91368-61536	40	37-56	65196-43068	25	33-49	45684-30768
	60	40-60	90456-60300	50	47-72	64152-41880	30	40-60	45228-30156
	75	51-70	88680-64608	60	57-89	63480-40656	40	54-84	44664-28716
	—	—	—	75	74-75	61116-60300	50	70-110	43068-27408
	—	—	—	—	—	—	60	86-115	42072-31464
SMR8-25/1	7.5	4-6	113064-75384	5	4-6	75384-50256	3	4-5	45228-36180
	10	6-8	100500-75384	7.5	6-9	75384-50256	5	6-8	50256-37692
	15	9-13	100500-69576	10	8-12	75384-50256	7.5	9-13	50256-34788
	20	13-18	92772-67008	15	13-19	69576-47604	10	13-18	46392-33504
	25	16-23	94224-65544	20	18-26	67008-46392	15	20-28	45228-32304
	30	20-28	90456-64608	25	23-33	65544-45684	20	26-38	46392-31740
	40	26-38	92772-63480	30	28-41	64608-44124	25	33-49	45684-30768
	50	33-49	91368-61536	40	37-56	65196-43068	30	40-60	45228-30156

All output torque ratings listed in inch-pounds

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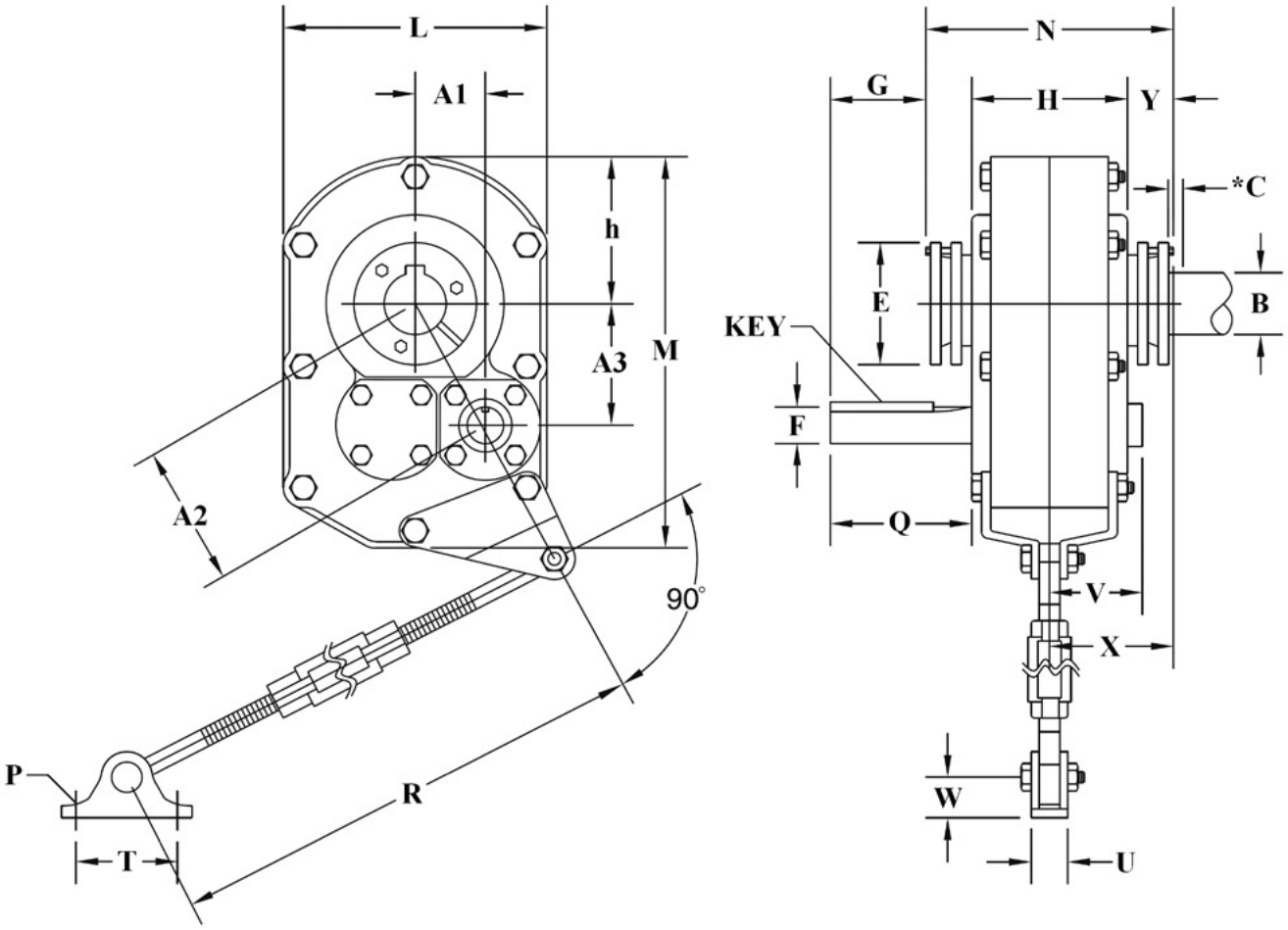
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Mechanical Ratings (Continued...)

Reducer Model Number	Service Class I			Service Class II			Service Class III		
	Power (HP)	Output (RPM)	Output * Torque	Power (HP)	Output (RPM)	Output * Torque	Power (HP)	Output (RPM)	Output * Torque
SMR8-25/1	60	40-60	90456-60300	50	47-72	64152-41880	40	54-70	44664-34464
	75	51-70	88680-64608	60	57-75	63480-48240	50	70-75	43068-40200
	—	—	—	75	74-75	61116-60300	—	—	—
SMR9-15/1	40	19-25	126948-96480	30	20-27	90456-67008	20	19-25	63480-48240
	50	23-32	131088-94224	40	26-36	92772-67008	25	23-32	65544-47112
	60	28-39	129216-92772	50	33-46	91368-65544	30	28-39	64608-46392
	75	35-50	129216-90456	60	40-56	90456-64608	40	38-53	63480-45516
	—	—	—	75	50-73	90456-61956	50	47-69	64152-43692
	—	—	—	—	—	—	60	57-85	63480-42564
SMR9-25/1	10	5	120600	7.5	5	90456	5	5	60300
	15	7-8	129216-113064	10	6-7	100500-86148	7.5	7-8	64608-56532
	20	9-12	134004-100500	15	10-12	90456-75384	10	9-12	67008-50256
	25	11-15	137052-100500	20	13-17	92772-70944	15	14-19	64608-47604
	30	14-19	129216-95220	25	16-22	94224-68520	20	19-25	63480-48240
	40	19-25	126948-96480	30	20-27	90456-67008	25	23-32	65544-47112
	50	23-32	131088-94224	40	26-36	92772-67008	30	28-39	64608-46392
	60	28-39	129216-92772	50	33-46	91368-65544	40	38-53	63480-45516
	75	35-50	129216-90456	60	40-56	90456-64608	50	47-69	64152-43692
	—	—	—	75	50-73	90456-61956	60	57-75	63480-48240
SMR10-15/1	60	19-27	189075-133053	50	22-32	136077-93553	30	19-27	94538-66526
	75	24-34	187105-132074	60	27-39	133053-92113	40	26-37	92113-64728
	100	32-46	187105-130160	75	34-49	132074-91643	50	32-46	93553-65080
	125	41-59	182542-126851	100	46-67	130160-89364	60	39-56	92113-64150
	150	50-70	179621-128301	125	76-85	98477-88050	75	50-72	89811-62368
	—	—	—	—	—	—	100	59-120	10148-49895
SMR10-25/1	15	5-6	179621-149684	10	5	119748	7.5	5-6	89811-74842
	20	7-8	171068-149684	15	7-9	128301-99790	10	7-8	85534-74842
	25	8-10	187105-149684	20	9-12	133053-99790	15	10-13	89811-69085
	30	10-13	179621-138170	25	11-15	136077-99790	20	13-18	92113-65526
	40	13-18	184227-133053	30	13-19	138170-94538	25	16-22	93553-68038
	50	16-22	187105-136077	40	18-25	133053-95798	30	19-27	94538-66526
	60	19-27	189075-133053	50	22-32	136077-93553	40	26-37	92113-64728
	75	24-34	187105-132074	60	27-39	133053-92113	50	32-46	93553-65080
	100	32-46	187105-130160	75	34-49	132074-91643	60	39-56	92113-64150
	125	41-59	182542-126851	100	46-67	130160-89364	75	50-72	89811-62368
	150	50-70	179621-128301	125	59-75	126851-99790	—	—	—
SMR12-15/1	100	23 - 31	262000 - 194000	75	25 - 33	181000 - 137000	50	23 - 31	131000 - 97000
	125	30 - 40	251000 - 188000	100	34 - 45	177000 - 134000	60	29 - 38	124000 - 95000
	150	37 - 49	244000 - 184000	125	44 - 58	171000 - 130000	75	37 - 49	122000 - 92000
	200	52 - 68*	232000 - 177000	150	55 - 72 +	164000 - 125000	100	52 - 68 +	116000 - 88000
	250	68 - 75*	222000 - 201000	200	77 - 120 +	156000 - 100000	125	68 - 70 +	110000 - 107000
	—	—	—	—	—	—	150	83 - 110*	109000 - 82000
SMR12-25/1	20	4 - 6	301000 - 201000	10	4	150000	10	4 - 9	150000 - 100000
	25	5 - 7	301000 - 215000	15	4 - 6	226000 - 150000	15	6 - 9	150000 - 100000
	30	6 - 9	301000 - 201000	20	6 - 8	201000 - 150000	20	8 - 12	150000 - 100000
	40	8 - 12	301000 - 201000	25	7 - 10	215000 - 150000	25	10 - 15	150000 - 100000
	50	10 - 15	301000 - 201000	30	9 - 12	201000 - 150000	30	13 - 18	139000 - 100000
	60	13 - 18	278000 - 201000	40	12 - 17	201000 - 142000	40	18 - 25	134000 - 96000
	75	16 - 23	282000 - 196000	50	15 - 21	201000 - 143000	50	23 - 31	131000 - 97000
	100	23 - 31	262000 - 194000	60	19 - 26	190000 - 139000	60	29 - 38	124000 - 95000
	125	30 - 40	251000 - 188000	75	25 - 33	181000 - 137000	75	37 - 49	122000 - 92000
	150	37 - 49	244000 - 184000	100	34 - 45	177000 - 134000	100	52 - 68 +	115000 - 88000
	200	52 - 68	232000 - 177000	125	44 - 58	171000 - 130000	125	68 - 70 +	110000 -107000
	250	68 - 75*	221000 - 201000	150	55 - 72 +	164000 - 125000	--	--	--

All output torque ratings listed in inch-pounds | + Fan cooling required | * Heat exchanger required

Dimensions



All listed dimensions in inches														
Box Size	L M	N	F Key	B Max.	C	E G	W U	X V	Q Y	H	A1 A2	A3 h	R Min. R Max.	P T
2	8.38 11.41	7.32	1.125 0.25 x 0.125 x 2.50	1 15/16	1.25	4.06 2.22	1.06 1.25	3.68 2.89	3.59 1.4	4.56	2.14 4.32	3.75 4.09	26.94 32.94	0.44 3
3	9.25 12.88	9.22	1.25 0.25 x 0.125 x 2.875	2 3/16	1.5	4.38 2.34	1.06 1.25	4.52 3.3	4.34 1.59	5.63	2.33 4.78	4.17 4.84	26.94 32.94	0.44 3
4	10.38 15.13	9.98	1.4375 0.375 x 0.1875 x 4.06	2 7/16	1.75	4.81 3.44	1.75 1.44	4.79 3.41	5.57 1.72	6.13	2.76 5.53	4.79 5.5	29.19 35.19	0.55 4
5	13.13 18.31	10.52	1.9375 0.50 x 0.25 x 4.50	2 15/16	1.81	5.63 3.44	1.75 1.44	5.05 4.45	5.74 1.91	6.31	3.04 6.43	5.67 6.56	29.19 35.19	0.5 4
6	15.13 21.31	11.53	2.1875 0.50 x 0.25 x 4.50	3 7/16	1.81	6.13 3.73	2 2.75	5.73 4.57	6.08 2.3	6.88	4.09 7.88	6.71 7.56	29.19 35.19	0.63 4.75
7	18.75 25.94	12.85	2.4375 0.625 x 0.312 x 4.75	3 15/16	2.06	7.25 3.75	2 2.75	6.38 4.69	6.35 2.5	7.75	5.11 9.74	8.3 9.38	29.44 35.44	0.63 4.75
8	20.25 28.25	14.03	2.4375 0.625 x 0.312 x 5.375	4 7/16	2.06	7.75 4.31	3.13 4	7.04 5.85	7.11 2.86	8.37	6.03 11.25	9.5 10.13	30 36	0.75 7
9	22.63 31.69	14.12	2.4375 0.625 x 0.312 x 7.75	4 15/16	2.44	8.75 6.63	3.13 4	7.04 5.66	9.65 2.98	8.12	6.59 12.66	10.81 11.31	30 36	0.75 7
10	25.50 35.00	15.63	2.6875 0.625 x 0.312 x 7.875	5 7/16	2.5	10.04 6.53	3.15 4	7.83 6.91	9.10 3.07	9.49	6.58 14.13	12.50 12.75	30 36	0.75 7.09
12	31.5 43.5	18.49	2.69 0.625 x 0.3125 x 7.375	6 1/2	2.69	10.95 6.12	3.38 4.91	9.1 8.2	9.39 3.21	12	0 22.91	22.91 15.38	30.5 36.5	1.12 8.44

Dimensions shown in this catalog are for general use only.
For an exact drawing on a specific rating, please contact our sales office.

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HYSMR Series
Hydraulically Powered Shaft Mount Reducer

Product Specifications & Order Codes

- 15:1 and 25:1 ratios
- Box sizes 3 - 5
- Tapered bushing type (bushing not included)
- Spline Input SA498b - 13 Tooth 16/32 DP 30°
- Premium quality ball and tapered bearings - double lip seals
- Shafts and gears manufactured from high grade steel, case hardened and precision ground to A.G.M.A. standards
- Industrial grade all-cast iron housings protect gearing for life
- Extended gear centers and tooth contact
- Metal reinforced double lip, spring loaded oil seals
- Dimensional drop-in for all major makes
- Torque arm included
- 2 year warranty

Accessories & Parts are shown on Pages 22-23



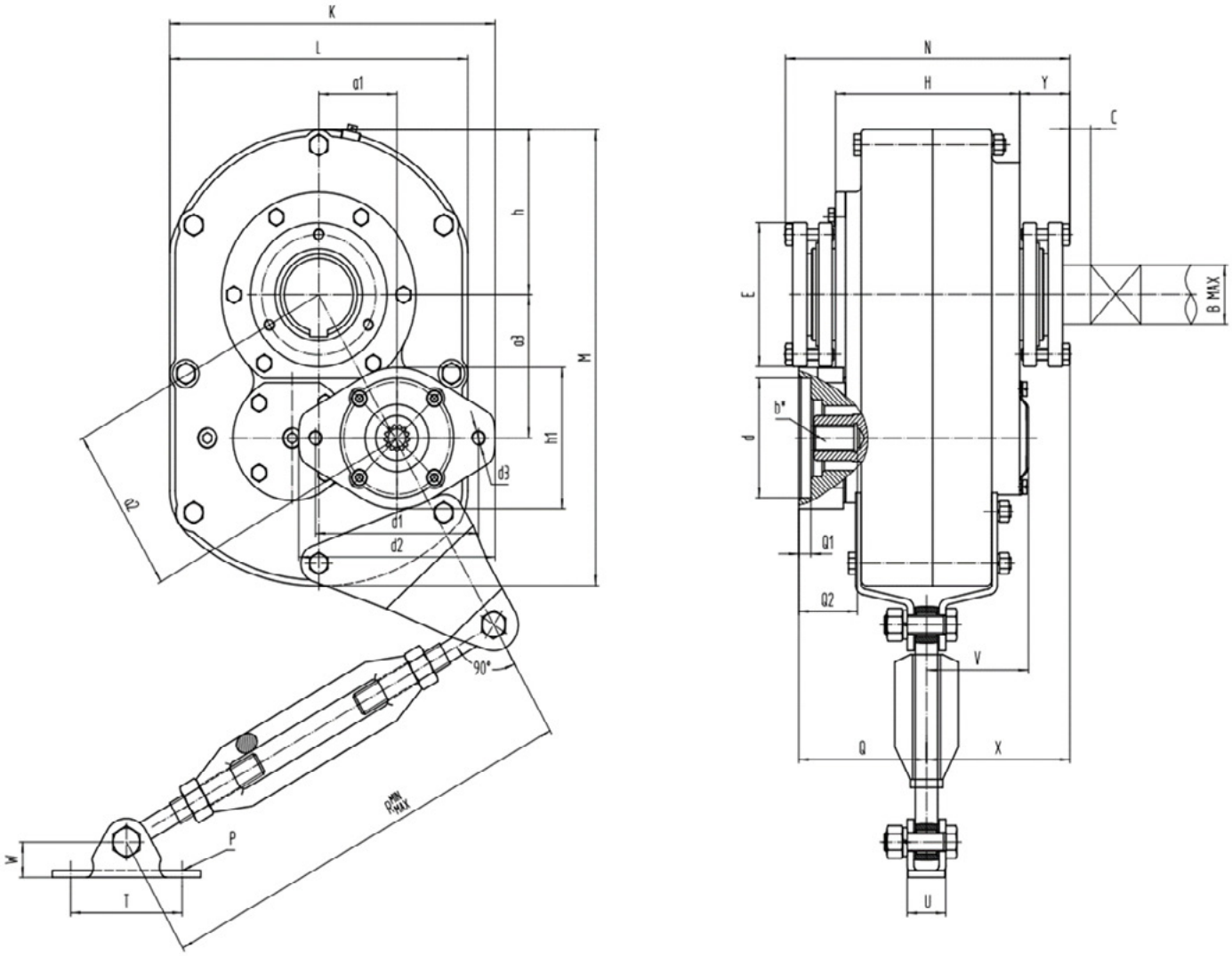
Box Size	Ratio	Output Bore (Max.)	Approx. Wt. (lbs.)	Model Number	List Price
3	15:1	2 3/16"	101	HYSMR3-15/1	$3,873.05
4	15:1	2 7/16"	142	HYSMR4-15/1	$5,088.68
	25:1			HYSMR4-25/1	$5,088.68
5	15:1	2 15/16"	207	HYSMR5-15/1	$8,693.14
	25:1			HYSMR5-25/1	$8,693.14

Overhung Load Capacity of Output Shaft (lbs.)

Box Size	Shaft Size	Output Speed (RPM)							
		10	20	30	50	80	100	120	140
3	1 15/16	5400	4250	2680	3050	2620	2440	2310	2210
	2 3/16	5240	4120	3570	2690	2540	2370	2240	2140
4	2 3/16	6520	5180	4510	3800	3230	3000	2830	2710
	2 7/16	6360	5060	4410	3710	3160	2930	2770	2640
5	2 7/16	7460	5860	5080	4280	3690	3450	3270	3110
	2 15/16	7060	5540	4800	4040	3490	3260	3090	2940

Motor Size	Displacement (in^3/rev.)	Running Torque (in lb/100 psi)	Starting Torque (in lb/100 psi)	Flow Rate (gpm/100rpm)	Internal Leakage (gpm/1000 rpm)	Minimum Motor RPM
B30	3.58	51.3	46.2	1.6	1.5	100

Dimensions



Reducer Model Number	K	M	B Max	C	E	W	X	Q	H	a1	a3	R Min R Max	P	b* Spline to fit SA 498b Flat Root Side Fit	d	Q1	h1	d2	d3
	L	N			G	U	V	Y		a2	h		T		Q	Q2	d1		
SMRY3-H	10.42	12.88	2-3/16"	1.50	4.38	1.06	4.52	4.34	5.63	2.33	4.17	26.94	0.44	"13 Tooth 16/32 DP 30°"	4.00	0.43	4.72	6.93	2*1/2"-13-UNC-2A
	9.25	9.22			2.34	1.25	3.30	1.59		4.78	4.84	32.94	3.00		4.34	2.07	5.75		
SMRY4-H	11.48	15.13	2-7/16"	1.75	4.81	1.75	4.79	5.57	6.13	2.76	4.79	29.19	0.50	"13 Tooth 16/32 DP 30°"	4.00	0.43	4.72	6.93	2*1/2"-13-UNC-2A
	10.38	9.98			3.44	1.44	3.41	1.72		5.53	5.50	35.19	4.00		4.51	2.07	5.75		
SMRY5-H	13.08	18.31	2-15/16"	1.81	5.63	1.75	5.05	5.74	6.31	3.04	5.67	29.19	0.50	"13 Tooth 16/32 DP 30°"	4.00	0.43	4.72	6.93	2*1/2"-13-UNC-2A
	13.13	10.52			3.44	1.44	4.45	1.91		6.43	6.56	35.19	4.00		4.69	2.07	5.75		

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Selection Tables | Service Class I

Reducer Model Number	Output Speed													
	Requirements	10	15	20	25	30	35	40	45	50	55	60	65	70	75
	Output HP (Running)	1.8	2.6	3.4	4.3	5.1	5.9	6.8	7.4	8.1	8.7	9.4	10.0	10.7	11.4
	Running Torque (lb. in.)	11096	10892	10793	10730	10687	10660	10638	10378	10171	10003	9861	9740	9639	9549
HYSMR3-15/1	Starting Torque (lb. in.)	17185	17185	17185	17185	17185	17185	17185	17185	17185	17185	17185	17185	17185	17185
	Running Pressure (PSI)	1520	1495	1483	1473	1467	1463	1461	1425	1396	1375	1353	1337	1322	1311
	Flow Rate (GPM)	4.6	5.7	6.9	8.0	9.2	10.3	11.5	12.6	13.7	14.8	15.9	17.1	18.2	19.4
	Output HP (Running)	2.6	3.9	5.1	6.3	7.5	8.7	9.9	11.0	12.1	13.1	14.2	15.3	16.3	17.4
	Running Torque (lb. in.)	16675	16229	16005	15871	15783	15717	15669	15423	15227	15066	14932	14817	14721	14636
HYSMR4-15/1	Starting Torque (lb. in.)	17475	17475	17475	17475	17475	17475	17475	17475	17475	17475	17475	17475	17475	17475
	Running Pressure (PSI)	2250	2191	2162	2142	2130	2121	2115	2082	2056	2035	2016	2000	1987	1976
	Flow Rate (GPM)	5.7	6.8	8.0	9.1	10.3	11.4	12.6	13.7	14.9	16.0	17.2	18.3	19.5	20.7
	Output HP (Running)	2.6	3.9	5.1	6.3	7.5	8.7	9.9	11.0	12.1	13.1	14.2	15.3	16.3	17.4
	Running Torque (lb. in.)	16673	16229	16005	15871	15780	15717	15669	15425	15227	15066	14932	14818	14721	14636
HYSMR4-25/1	Starting Torque (lb. in.)	28160	28160	28160	28160	28160	28160	28160	28160	28160	28160	28160	28160	28160	28160
	Running Pressure (PSI)	1396	1360	1341	1330	1323	1317	1313	1292	1275	1262	1251	1241	1233	1226
	Flow Rate (GPM)	5.9	7.7	9.6	11.5	13.4	15.3	17.2	19.0	20.9	22.8	24.7	26.6	28.5	30.3
	Output HP (Running)	4.6	6.5	8.5	10.5	12.5	14.4	16.4	17.9	19.3	20.8	22.3	23.7	24.8	24.2
	Running Torque (lb. in.)	28750	27473	26835	26451	26196	26013	25876	25046	24380	23838	23383	23001	22329	20336
HYSMR5-15/1	Starting Torque (lb. in.)	31920	31920	31920	31920	31920	31920	31920	31920	31920	31920	31920	31920	31920	31920
	Running Pressure (PSI)	2125	2031	1983	1953	1936	1923	1913	1851	1800	1762	1728	1700	1650	1503
	Flow Rate (GPM)	10.0	11.9	13.9	16.0	18.1	20.2	22.3	24.3	26.3	28.4	30.5	32.5	34.6	36.3
	Output HP (Running)	4.6	6.5	8.5	10.5	12.5	14.4	16.4	17.9	19.3	20.8	22.3	23.7	24.8	24.2
	Running Torque (lb. in.)	28751	27472	26835	26451	26196	26013	25876	25046	24381	23838	23385	23001	22329	20336
HYSMR5-25/1	Starting Torque (lb. in.)	29525	29525	29525	29525	29525	29525	29525	29525	29525	29525	29525	29525	29525	29525
	Running Pressure (PSI)	2296	2195	2144	2115	2093	2079	2068	2001	1947	1905	1869	1838	1781	1625
	Flow Rate (GPM)	7.4	9.3	11.2	13.1	15.1	17.1	19.0	20.9	22.8	24.8	26.7	28.7	30.6	32.3

Reducer Model Number	Output Speed												
	Requirements	80	85	90	95	100	105	110	115	120	125	130	135	140
	Output HP (Running)	12.0	12.7	13.3	13.8	14.3	14.8	15.3	15.8	15.9	15.7	15.5	15.2	15.0
	Running Torque (lb. in.)	9472	9400	9340	9171	9020	8882	8758	8641	8351	7916	7515	7095	6751
HYSMR3-15/1	Starting Torque (lb. in.)	17185	17185	17185	17185	17185	17185	17185	17185	17075	16860	16660	16475	16305
	Running Pressure (PSI)	1300	1291	1282	1259	1239	1219	1202	1185	1146	1087	1031	974	926
	Flow Rate (GPM)	20.5	21.7	22.8	23.9	25.1	26.2	27.3	28.5	29.6	30.6	31.7	32.8	33.9
	Output HP (Running)	18.5	19.6	20.6	21.5	22.0	21.5	21.0	20.5	20.0	19.5	19.0	18.5	18.0
	Running Torque (lb. in.)	14563	14497	14440	14295	13866	12905	12032	11235	10503	9832	9210	8637	8102
HYSMR4-15/1	Starting Torque (lb. in.)	17475	17475	17475	17475	17475	17475	17475	17475	17475	17475	17475	17475	17475
	Running Pressure (PSI)	1966	1957	1949	1930	1872	1742	1625	1517	1418	1327	1244	1166	1095
	Flow Rate (GPM)	21.8	23.0	24.1	25.3	26.4	27.4	28.4	29.4	30.4	31.5	32.5	33.6	34.7
	Output HP (Running)	18.5	19.6											
	Running Torque (lb. in.)	14563	14496											
HYSMR4-25/1	Starting Torque (lb. in.)	28160	28160											
	Running Pressure (PSI)	1220	1213											
	Flow Rate (GPM)	32.2	34.1											
	Output HP (Running)	23.5	22.9	22.3	21.7	21.1	20.5	19.8	19.2	18.6	18.0			
	Running Torque (lb. in.)	18512	16980	15616	14396	13298	12305	11345	10522	9769	9075			
HYSMR5-15/1	Starting Torque (lb. in.)	31920	31920	31920	31920	31920	31920	31920	31920	31920	31920			
	Running Pressure (PSI)	1368	1255	1153	1062	983	909	838	778	722	671			
	Flow Rate (GPM)	38.1	40.0	41.8	43.8	45.7	47.7	49.6	51.6	53.6	55.6			
	Output HP (Running)	23.5												
	Running Torque (lb. in.)	18512												
HYSMR5-25/1	Starting Torque (lb. in.)	29525												
	Running Pressure (PSI)	1479												
	Flow Rate (GPM)	34.1												

Output HP – Horsepower rating of the reducer/motor under continuous operation after load has been started.
Running Torque – Continuous output torque rating of reducer/motor (in. lbs.)
Starting Torque – Momentary output torque available for starting (in. lbs.)
Running Pressure – Motor pressure required to generate running torque. This will start loads not to exceed 75% of the running load.
For greater starting requirements, motor pressure may be increased – see table (PSI).
Flow Rate – Flow required for given output RPM. With oil viscosity of 200SUS @ 100°F. for B30 motors.

Selection Tables | Service Class II

Reducer Model Number	Requirements	Output Speed 10	15	20	25	30	35	40	45	50	55	60	65	70	75
	Output HP (Running)	1.3	1.9	2.4	3.0	3.6	4.2	4.8	5.3	5.8	6.2	6.7	7.2	7.6	8.1
	Running Torque (lb. in.)	7925	7781	7708	7665	7635	7614	7599	7413	7265	7145	7043	6957	6884	6820
HYSMR3-15/1	Starting Torque (lb. in.)	17185	17185	17185	17185	17185	17185	17185	17185	17185	17185	17185	17185	17185	17185
	Running Pressure (PSI)	1086	1068	1058	1052	1047	1045	1043	1018	997	981	967	955	945	936
	Flow Rate (GPM)	4.0	5.1	6.2	7.4	8.5	9.7	10.8	12.0	13.1	14.2	15.4	16.5	17.7	18.8
	Output HP (Running)	1.9	2.8	3.6	4.5	5.4	6.2	7.1	7.9	8.6	9.4	10.2	10.9	11.7	12.4
	Running Torque (lb. in.)	11910	11592	11432	11336	11272	11227	11192	11017	10876	10761	10665	10583	10515	10455
HYSMR4-15/1	Starting Torque (lb. in.)	17475	17475	17475	17475	17475	17475	17475	17475	17475	17475	17475	17475	17475	17475
	Running Pressure (PSI)	1606	1565	1543	1530	1522	1516	1511	1487	1467	1453	1440	1429	1419	1411
	Flow Rate (GPM)	4.8	5.9	7.0	8.2	9.4	10.5	11.7	12.8	14.0	15.2	16.3	17.5	18.6	19.8
	Output HP (Running)	1.9	2.8	3.6	4.5	5.4	6.2	7.1	7.9	8.6	9.4	10.2	10.9	11.7	12.4
	Running Torque (lb. in.)	11910	11592	11432	11336	11272	11227	11192	11018	10876	10761	10665	10584	10515	10455
HYSMR4-25/1	Starting Torque (lb. in.)	28160	28160	28160	28160	28160	28160	28160	28160	28160	28160	28160	28160	28160	28160
	Running Pressure (PSI)	996	971	958	950	945	941	938	923	911	902	894	887	881	876
	Flow Rate (GPM)	5.3	7.2	9.0	10.9	12.8	14.7	16.6	18.5	20.4	22.3	24.1	26.0	27.9	29.8
	Output HP (Running)	3.3	4.7	6.1	7.5	8.9	10.3	11.7	12.8	13.8	14.9	15.9	16.9	18.0	19.0
	Running Torque (lb. in.)	20536	19624	19168	18893	18711	18581	18483	17890	17415	17027	16703	16429	16195	15991
HYSMR5-15/1	Starting Torque (lb. in.)	31920	31920	31920	31920	31920	31920	31920	31920	31920	31920	31920	31920	31920	31920
	Running Pressure (PSI)	1517	1450	1417	1396	1383	1373	1366	1322	1287	1256	1235	1214	1197	1182
	Flow Rate (GPM)	8.4	10.3	12.4	14.5	16.6	18.7	20.9	22.9	25.0	27.1	29.1	31.2	33.3	35.5
	Output HP (Running)	3.3	4.7	6.1	7.5	8.9	10.3	11.7	12.8	13.8	14.9	15.9	16.9	18.0	19.0
	Running Torque (lb. in.)	20537	19625	19168	18895	18711	18581	18483	17890	17415	17027	16703	16429	16195	15991
HYSMR5-25/1	Starting Torque (lb. in.)	29525	29525	29525	29525	29525	29525	29525	29525	29525	29525	29525	29525	29525	29525
	Running Pressure (PSI)	1641	1566	1532	1510	1495	1483	1477	1430	1392	1361	1335	1313	1294	1278
	Flow Rate (GPM)	6.4	8.3	10.3	12.2	14.2	16.2	18.2	20.1	22.0	24.0	25.9	27.9	29.8	31.8

Reducer Model Number	Requirements	Output Speed 80	85	90	95	100	105	110	115	120	125	130	135	140
	Output HP (Running)	8.6	9.1	9.5	9.9	10.2	10.6	10.9	11.3	11.6	11.9	12.3	12.6	12.9
	Running Torque (lb. in.)	6765	6716	6672	6552	6443	6345	6256	6174	6099	6022	5951	5885	5825
HYSMR3-15/1	Starting Torque (lb. in.)	17185	17185	17185	17185	17185	17185	17185	17185	17075	16860	16660	16475	16305
	Running Pressure (PSI)	929	922	916	899	884	871	859	847	837	827	817	808	799
	Flow Rate (GPM)	20.0	21.1	22.2	23.4	24.5	25.7	26.8	27.9	29.1	30.2	31.4	32.5	33.7
	Output HP (Running)	13.2	14.0	14.7	15.4	16.1	16.7	17.4	18.0	18.7	19.2	19.0	18.5	18.0
	Running Torque (lb. in.)	10402	10355	10312	10211	10118	10034	9957	9887	9823	9693	9211	8637	8103
HYSMR4-15/1	Starting Torque (lb. in.)	17475	17475	17475	17475	17475	17475	17475	17475	17475	17475	17475	17475	17475
	Running Pressure (PSI)	1403	1398	1392	1378	1366	1355	1344	1335	1326	1309	1244	1166	1095
	Flow Rate (GPM)	21.0	22.1	23.3	24.5	25.6	26.8	28.0	29.1	30.3	31.4	32.5	33.6	34.7
	Output HP (Running)	13.2	14.0											
	Running Torque (lb. in.)	10402	10353											
HYSMR4-25/1	Starting Torque (lb. in.)	28160	28160											
	Running Pressure (PSI)	871	867											
	Flow Rate (GPM)	31.7	33.6											
	Output HP (Running)	20.1	21.1	22.2	21.7	21.1	20.5	19.8	19.2	18.6	18.0			
	Running Torque (lb. in.)	15813	15656	15517	14396	13296	12305	11345	10522	9769	9075			
HYSMR5-15/1	Starting Torque (lb. in.)	31920	31920	31920	31920	31920	31920	31920	31920	31920	31920			
	Running Pressure (PSI)	1169	1157	1147	1064	983	909	836	778	722	671			
	Flow Rate (GPM)	37.6	39.7	41.8	43.8	45.7	47.7	49.6	51.6	53.6	55.6			
	Output HP (Running)	20.1												
	Running Torque (lb. in.)	15815												
HYSMR5-25/1	Starting Torque (lb. in.)	29525												
	Running Pressure (PSI)	1265												
	Flow Rate (GPM)	33.8												

Output HP – Horsepower rating of the reducer/motor under continuous operation after load has been started.
Running Torque – Continuous output torque rating of reducer/motor (in. lbs.)
Starting Torque – Momentary output torque available for starting (in. lbs.)
Running Pressure – Motor pressure required to generate running torque. This will start loads not to exceed 75% of the running load.
For greater starting requirements, motor pressure may be increased – see table (PSI).
Flow Rate – Flow required for given output RPM. With oil viscosity of 200SUS @ 100°F. for B30 motors.

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Selection Tables | Service Class III

Reducer Model Number	Output Speed														
	Requirements	10	15	20	25	30	35	40	45	50	55	60	65	70	75
	Output HP (Running)	0.9	1.3	1.7	2.1	2.5	3.0	3.4	3.7	4.0	4.4	4.7	5.0	5.4	5.7
	Running Torque (lb. in.)	5547	5446	5396	5365	5345	5330	5319	5189	5086	5001	4930	4870	4819	4774
HYSMR3-15/1	Starting Torque (lb. in.)	17185	17185	17185	17185	17185	17185	17185	17185	17185	17185	17185	17185	17185	17185
	Running Pressure (PSI)	762	747	741	736	734	732	730	712	698	686	677	668	661	655
	Flow Rate (GPM)	3.5	4.6	5.8	6.9	8.1	9.2	10.4	11.5	12.6	13.8	14.9	16.1	17.2	18.4
	Output HP (Running)	1.3	1.9	2.5	3.1	3.8	4.4	5.0	5.5	6.0	6.6	7.1	7.6	8.2	8.7
	Running Torque (lb. in.)	8339	8115	8002	7935	7891	7859	7835	7712	7613	7533	7466	7409	7360	7318
HYSMR4-15/1	Starting Torque (lb. in.)	17475	17475	17475	17475	17475	17475	17475	17475	17475	17475	17475	17475	17475	17475
	Running Pressure (PSI)	1126	1095	1081	1071	1065	1061	1058	1043	1028	1017	1008	1000	994	988
	Flow Rate (GPM)	4.1	5.2	6.3	7.5	8.7	9.8	11.0	12.2	13.3	14.5	15.7	16.8	18.0	19.2
	Output HP (Running)	1.3	1.9	2.5	3.1	3.8	4.4	5.0	5.5	6.0	6.6	7.1	7.6	8.2	8.7
	Running Torque (lb. in.)	8338	8113	8002	7935	7891	7859	7835	7712	7613	7533	7466	7409	7360	7318
HYSMR4-25/1	Starting Torque (lb. in.)	28160	28160	28160	28160	28160	28160	28160	28160	28160	28160	28160	28160	28160	28160
	Running Pressure (PSI)	699	683	670	665	661	659	656	646	638	631	625	621	617	613
	Flow Rate (GPM)	4.9	6.7	8.6	10.5	12.4	14.3	16.2	18.1	20.0	21.8	23.7	25.6	27.5	29.4
	Output HP (Running)	2.3	3.3	4.3	5.2	6.2	7.2	8.2	8.9	9.7	10.4	11.1	11.9	12.6	13.3
	Running Torque (lb. in.)	14375	13737	13417	13226	13099	13007	12938	12523	12191	11919	11692	11501	11336	11193
HYSMR5-15/1	Starting Torque (lb. in.)	31920	31920	31920	31920	31920	31920	31920	31920	31920	31920	31920	31920	31920	31920
	Running Pressure (PSI)	1065	1015	992	978	968	961	956	926	903	881	865	850	838	827
	Flow Rate (GPM)	7.1	9.2	11.3	13.4	15.5	17.6	19.8	21.9	23.9	26.0	28.2	30.3	32.4	34.5
	Output HP (Running)	2.3	3.3	4.3	5.2	6.2	7.2	8.2	8.9	9.7	10.4	11.1	11.9	12.6	13.3
	Running Torque (lb. in.)	14376	13737	13417	13225	13098	13007	12938	12523	12191	11919	11692	11501	11336	11193
HYSMR5-25/1	Starting Torque (lb. in.)	29525	29525	29525	29525	29525	29525	29525	29525	29525	29525	29525	29525	29525	29525
	Running Pressure (PSI)	1147	1098	1072	1057	1046	1039	1034	1001	975	952	934	919	906	895
	Flow Rate (GPM)	5.7	7.6	9.6	11.5	13.5	15.5	17.5	19.4	21.4	23.3	25.3	27.3	29.2	31.2

Reducer Model Number	Output Speed													
	Requirements	80	85	90	95	100	105	110	115	120	125	130	135	140
	Output HP (Running)	6.0	6.3	6.7	6.9	7.2	7.4	7.6	7.9	8.1	8.4	8.6	8.8	9.1
	Running Torque (lb. in.)	4735	470	4671	4586	4510	4441	4379	4322	4270	4216	4166	4119	4077
HYSMR3-15/1	Starting Torque (lb. in.)	17185	17185	17185	17185	17185	17185	17185	17185	17075	16860	16660	16475	16305
	Running Pressure (PSI)	650	645	641	630	619	610	601	593	586	579	572	565	560
	Flow Rate (GPM)	19.5	20.7	21.8	23.0	24.1	25.3	26.4	27.6	28.7	29.9	31.0	32.2	33.3
	Output HP (Running)	9.2	9.8	10.3	10.8	11.2	11.7	12.2	12.6	13.1	13.5	13.8	14.2	14.6
	Running Torque (lb. in.)	7281	7249	7220	7147	7082	7025	6970	6921	6876	6785	6701	6623	6550
HYSMR4-15/1	Starting Torque (lb. in.)	17475	17475	17475	17475	17475	17475	17475	17475	17475	17475	17475	17475	17475
	Running Pressure (PSI)	983	979	975	965	956	948	941	934	928	916	905	894	885
	Flow Rate (GPM)	20.3	21.5	22.7	23.9	25.0	26.2	27.4	28.5	29.7	30.9	32.0	33.2	34.3
	Output HP (Running)	9.2	9.8											
	Running Torque (lb. in.)	7281	7250											
HYSMR4-25/1	Starting Torque (lb. in.)	28160	28160											
	Running Pressure (PSI)	610	607											
	Flow Rate (GPM)	31.3	33.2											
	Output HP (Running)	14.1	14.8	15.5	16.1	16.6	17.2	17.7	18.2	18.6	18.0			
	Running Torque (lb. in.)	11069	10959	10862	10653	10466	10296	10141	10000	9769	9076			
HYSMR5-15/1	Starting Torque (lb. in.)	31920	31920	31920	31920	31920	31920	31920	31920	31920	31920			
	Running Pressure (PSI)	818	810	803	787	774	761	750	739	722	671			
	Flow Rate (GPM)	36.6	38.8	40.9	43.0	45.1	47.3	49.4	51.5	53.6	55.6			
	Output HP (Running)	14.1												
	Running Torque (lb. in.)	11069												
HYSMR5-25/1	Starting Torque (lb. in.)	29525												
	Running Pressure (PSI)	885												
	Flow Rate (GPM)	33.2												

Output HP – Horsepower rating of the reducer/motor under continuous operation after load has been started.
Running Torque – Continuous output torque rating of reducer/motor (in. lbs.)
Starting Torque – Momentary output torque available for starting (in. lbs.)
Running Pressure – Motor pressure required to generate running torque. This will start loads not to exceed 75% of the running load.
For greater starting requirements, motor pressure may be increased – see table (PSI).
Flow Rate – Flow required for given output RPM. With oil viscosity of 200SUS @ 100°F. for B30 motors.

SCSMR Series
The Eliminator, Screw Conveyor Shaft Mount Reducers

Product Specifications & Order Codes

- 9:1, 15:1 and 25:1 ratios
- Box sizes 2 - 10 (sizes 2-6 are suitable for screw conveyor applications)
- Tapered bushing type (bushing not included)
- Premium quality ball and tapered bearings - double lip seals
- Shafts and gears manufactured from high grade steel, case-hardened and precision-ground to A.G.M.A. standards
- Industrial grade all-cast iron housings protect gearing for life
- Extended gear centers and tooth contact
- Metal reinforced double lip, spring loaded oil seals
- Dimensional drop-in for all major makes
- Torque arm included
- 2 year warranty



Accessories & Parts are shown on Pages 24

Box Size	Ratio	Output Bore (Max.)	Approx. Wt. (lbs.)	Model Number	List Price
2	9:1	1-15/16"	68	SCSMR2-9/1	$1,462.76
	15:1			SCSMR2-15/1	$1,462.76
	25:1			SCSMR2-25/1	$1,462.76
3	9:1	2-3/16"	106	SCSMR3-9/1	$2,598.19
	15:1			SCSMR3-15/1	$2,598.19
	25:1			SCSMR3-25/1	$2,598.19
4	9:1	2-7/16"	156	SCSMR4-9/1	$3,514.21
	15:1			SCSMR4-15/1	$3,514.21
	25:1			SCSMR4-25/1	$3,514.21
5	9:1	2-15/16"	204	SCSMR5-9/1	$5,277.69
	15:1			SCSMR5-15/1	$5,277.69
	25:1			SCSMR5-25/1	$5,277.69
6	9:1	3-7/16"	314	SCSMR6-9/1	$6,896.07
	15:1			SCSMR6-15/1	$6,896.07
	25:1			SCSMR6-25/1	$6,896.07
7	15:1	3-15/16"	487	SCSMR7-15/1	$11,004.79
	25:1			SCSMR7-25/1	$11,004.79
8	15:1	4-7/16"	655	SCSMR8-15/1	$18,711.67
	25:1			SCSMR8-25/1	$18,711.67
9	15:1	4-15/16"	783	SCSMR9-15/1	$24,543.21
	25:1			SCSMR9-25/1	$24,543.21
10	15:1	5-7/16"	882	SCSMR10-15/1	$40,379.15
	25:1			SCSMR10-25/1	$40,379.15

Overhung Load Capacity of Output Shaft (lbs.)

Box Size	Shaft Size (inches)	Output Speed (RPM)									
		10	20	30	40	50	60	80	100	120	140
2	1 7/16	2416	1918	1675	1522	1413	1330	1208	1121	1055	1003
	1 15/16	2202	1748	1527	1387	1288	1212	1101	1022	962	914
3	1 15/16	4336	3520	3120	2856	2672	2536	2320	2176	2056	1960
	2 3/16	4176	3392	3008	2760	2576	2440	2240	2096	1984	1896
4	2 3/16	6024	4896	4336	3976	3720	3520	3232	3016	2856	2728
	2 7/16	5832	4736	4192	3848	3600	3408	32158	2920	2768	2640
5	2 7/16	6272	5096	4512	4136	3872	3664	3360	144	2976	2840
	2 15/16	5928	4816	4264	3912	3656	3464	3176	2968	2816	2688
6	2 15/16	7408	6016	5328	4888	4568	4328	3968	3712	3512	3360
	3 7/16	7064	5736	5080	4664	4360	4128	3784	3544	3352	3200
7	3 7/16	5968	4848	4296	3936	3688	3488	3200	2992	2832	2704
	3 15/16	5736	4656	4120	3784	3536	3352	3072	2872	2720	2600
8	3 15/16	7472	6072	5376	4928	4608	4368	4008	3744	3544	3384
	4 7/16	7208	5826	5184	4760	4448	4208	3864	3616	3424	3264
9	4 7/16	9032	7336	6496	5960	5576	5272	4840	4528	4288	4088
	4 15/16	8744	7104	6288	5768	5400	5112	4688	4384	4152	3960
10	5 7/16	11134	8161	7588	7181	6828	6607	6145	5881	5660	-

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Mechanical Ratings (Continued...)

Reducer Model Number	Service Class I			Service Class II			Service Class III		
	Power (HP)	Output (RPM)	Output * Torque	Power (HP)	Output (RPM)	Output * Torque	Power (HP)	Output (RPM)	Output * Torque
SCSMR2-9/1	7.5	85-105	5035-4076	5	85-105	3357-2717	3	85-100	2014-1712
	10	105-150	5435-3804	7.5	110-150	3891-2853	5	105-150	2717-1902
	15	160-200	5350-4280	10	150-200	3804-2853	7.5	160-200	2675-2140
SCSMR2-15/1	2	16-24	7065-4710	1.5	18-24	4710-3532	1.5	26-34	3261-2493
	3	26-45	6521-3768	2	24-34	4710-3324	2	38-58	2975-1949
	5	46-74	6143-3819	3	38-70	4462-2422	3	58-100	2923-1695
	7.5	78-105	5434-4037	5	70-105	4037-2691	5	105-140	2691-2018
	10	105-140	5382-4037	7.5	110-140	3853-3028	-	-	-
SCSMR2-25/1	0.5	4-6	7065-4710	0.33	4-5	4663-3730	0.25	4-5	3532-2826
	0.75	6-8	7065-5298	0.5	6-8	4710-3532	0.33	6-8	3108-2331
	1	8-10	7065-5652	0.75	8-12	5298-3532	0.5	8-12	3532-2355
	1.5	12-16	7065-5298	1	12-16	4710-3532	0.75	12-16	3532-2649
	2	16-24	7065-4710	1.5	18-24	4710-3532	1	16-24	3532-2355
	3	26-45	6521-3768	2	24-34	4710-3324	1.5	26-34	3261-2493
	5	46-74	6143-3819	3	38-70	4462-2422	2	38-58	2975-1949
	7.5	78-85	5434-4987	5	70-85	4037-3324	3	58-85	2923-1995
SCSMR3-9/1	10	85-105	6714-5435	7.5	85-105	5035-4076	5	85-105	3357-2717
	15	110-140	7782-6114	10	100-140	5707-4076	7.5	110-140	3891-3057
	20	150-200	7609-5707	15	150-200	5707-4280	10	150-200	3804-2853
SCSMR3-15/1	3	28-30	6055-5652	2	16-24	7065-4710	2	24-38	4710-2975
	5	32-50	8831-5652	3	26-46	6521-3686	3	40-70	4239-2422
	7.5	52-74	8151-5728	5	50-74	5652-3819	5	74-105	3819-2691
	10	78-105	7246-5382	7.5	78-105	5434-4037	7.5	110-140	3853-3028
	15	110-140	7707-6055	10	100-140	5652-4037	-	-	-
SCSMR3-25/1	0.75	4-5	10597-8477	0.5	4-5	7065-5652	0.5	6-7	4710-4037
	1	6-7	9419-8074	0.75	6-7	7065-6055	0.75	8-10	5298-4239
	1.5	8-10	10597-8477	1	8-10	7065-5652	1	10-16	5652-3532
	2	12-16	9419-7065	1.5	12-16	7065-5298	1.5	18-24	4710-3532
	3	18-30	9419-5652	2	16-24	7065-4710	2	24-38	4710-2975
	5	32-50	8831-5652	3	26-46	6521-3686	3	40-70	4239-2422
	7.5	52-74	8151-5728	5	50-74	5652-3819	5	74-85	3819-3324
	10	78-85	7246-6649	7.5	78-85	5434-4987	-	-	-
SCSMR4-9/1	20	85-105	13427-10870	15	85-115	10071-7443	10	85-115	6714-4962
	25	100-135	14267-10568	20	110-150	10376-7609	15	120-150	7133-5707
	30	120-160	14267-10700	25	140-190	10190-7509	20	160-200	7133-5707
	40	160-200	14267-11413	30	170-200	10700-8560	-	-	-
SCSMR4-15/1	5	18-24	15699-11774	3	14-22	12111-7707	3	20-34	8477-4987
	7.5	26-34	16303-12467	5	24-34	11774-8311	5	38-54	7436-5233
	10	38-54	14873-10466	7.5	38-54	11154-7849	7.5	58-80	7308-5298
	15	58-80	14616-10597	10	54-80	10466-7065	10	80-140	7065-4037
	20	80-110	14219-10276	15	85-115	9973-7372	-	-	-
	25	100-140	14129-10092	20	110-140	10276-8074	-	-	-
SCSMR4-25/1	1	4-5	14129-11303	0.75	4-5	10597-8477	0.5	4-5	7065-5652
	1.5	5-7	16955-12111	1	5-6	11303-9419	0.75	5-6	8477-7065
	2	6-8	18839-14129	1.5	6-8	14129-10597	1	6-8	9419-7065
	3	10-14	16955-12111	2	10-12	11303-9419	1.5	10-12	8477-7065
	5	16-24	17661-11774	3	14-22	12111-7707	2	14-18	8074-6280
	7.5	26-34	16303-12467	5	24-34	11774-8311	3	20-34	8477-4987
	10	38-54	14873-10466	7.5	38-54	11154-7849	5	38-54	7436-5233
	15	58-80	14616-10597	10	54-85	10466-6649	7.5	58-85	7308-4987
	20	80-85	14129-13298	-	-	-	-	-	-
SCSMR5-9/1	25	78-95	18291-15018	20	78-105	14632-10870	10	78-80	7316-7133
	30	85-115	20141-14887	25	100-135	14267-10568	15	85-105	10071-8152
	40	110-150	20752-15218	30	120-160	14267-10700	20	110-135	10376-8454
	50	140-180	20381-15852	40	160-200	14267-11413	25	140-160	10190-8917
	60	170-200	20141-17120	-	-	-	30	170-200	10071-14267

* All output torque ratings listed in inch-pounds (Data Revised 03.18.2022)

Continued On Next Page

Mechanical Ratings (Continued...)

Reducer Model Number	Service Class I			Service Class II			Service Class III		
	Power (HP)	Output (RPM)	Output * Torque	Power (HP)	Output (RPM)	Output * Torque	Power (HP)	Output (RPM)	Output * Torque
SCSMR5-15/1	7.5	22-24	19267-17661	7.5	24-34	17661-12467	5	24-34	11774-8311
	10	24-34	23548-16622	10	38-54	14873-10466	7.5	38-52	11154-8151
	15	38-54	22309-15699	15	58-80	14616-10597	10	54-80	10466-7065
	20	54-78	20932-14491	20	78-110	14491-10276	15	85-110	9973-7707
	25	70-95	20184-14873	25	100-125	14129-11303	20	110-125	10276-9043
	30	85-115	19947-14743	-	-	-	-	-	-
	40	110-125	20551-18085	-	-	-	-	-	-
SCSMR5-25/1	2	4-5	28258-22606	1.5	4-5	21194-16955	1	4-5	14129-11303
	3	6-8	28258-21194	2	5-6	22606-18839	1.5	6-7	14129-12111
	5	10-14	28258-20184	3	8-14	21194-12111	2	8-12	14129-9419
	7.5	16-24	26492-17661	5	16-24	17661-11774	3	14-22	12111-7707
	10	24-34	23548-16622	7.5	24-34	17661-12467	5	24-34	11774-8311
	15	38-54	22309-15699	10	38-54	14873-10466	7.5	38-52	11154-8151
	20	54-78	20932-14491	15	58-80	14616-10597	10	54-78	10466-7246
		70-80	20184-17661	20	78-80	14491-14129	-	-	-
SCSMR6-9/1	50	78-105	36581-27175	30	78-90	21949-19022	25	78-95	18291-15018
	60	95-125	36042-27392	40	90-120	25363-19022	30	95-120	18021-14267
	75	120-200	35667-21400	50	110-150	25939-19022	40	125-150	18261-15218
	-	-	-	60	130-180	26338-19022	50	160-200	17833-14267
	-	-	-	75	160-200	26750-21400	60	190-200	18021-17120
SCSMR6-15/1	15	20-26	42387-32605	10	18-26	31398-21737	7.5	20-24	21194-17661
	20	26-38	43474-29745	15	28-40	30276-21194	10	26-40	21737-14129
	25	34-50	41556-28258	20	40-58	28258-19488	15	45-58	18839-14616
	30	45-62	37677-27346	25	52-78	27171-18114	20	62-74	18231-15275
	40	62-85	36462-26596	30	66-90	25689-18839	25	78-95	18114-14873
	50	78-105	36228-26912	40	90-120	25118-18839	30	95-125	17847-13564
	60	95-125	35694-27128	-	-	-	-	-	-
SCSMR6-25/1	3	4-5	42387-33910	2	4-5	28258-22606	1.5	4-5	21194-16955
	5	6-8	47097-35323	3	6-8	28258-21194	2	6-7	18839-16147
	7.5	10-12	42387-35323	5	10-12	28258-23548	3	8-12	21194-14129
	10	14-18	40369-31398	7.5	14-18	30276-23548	5	14-18	20184-15699
	15	20-26	42387-32605	10	18-26	31398-21737	7.5	20-24	21194-17661
	20	26-38	43474-29745	15	28-40	30276-21194	10	26-40	21737-14129
	25	34-50	41556-28258	20	40-58	28258-19488	15	45-58	18839-14616
	30	45-62	37677-27346	25	52-78	27171-18114	20	62-70	18231-16147
	40	62-80	36462-28258	30	66-78	25689-21737	-	-	-
SCSMR7-15/1	20	18-22	62796-51378	20	26-34	43474-33245	10	16-24	35323-23548
	25	22-30	64223-47097	25	32-46	44153-30715	15	26-34	32605-24934
	30	26-38	65211-44618	30	40-58	42387-29232	20	38-46	29745-24572
	40	38-54	59491-41864	40	58-80	38977-28258	25	50-62	28258-22789
	50	50-74	56516-38187	50	74-100	38188-28259	30	62-80	27346-21194
	60	62-85	54696-39896	60	90-115	37679-29488	40	85-100	26596-22607
	75	90-115	47099-36860	-	-	-	50	105-115	26914-24573
SCSMR7-25/1	5	4-5	70645-56516	3	4-5	42387-33910	3	5-7	33910-24221
	7.5	6-7	70645-60553	5	6-7	47097-40369	5	8-10	35323-28258
	10	8-10	70645-56516	7.5	8-10	52984-42387	7.5	12-14	35323-30276
	15	12-16	70645-52984	10	12-16	47097-35323	10	16-24	35323-23548
	20	16-22	70645-51378	15	18-26	47097-32605	15	26-34	32605-24934
	25	22-30	64223-47097	20	24-34	47097-33245	20	38-46	29745-24572
	30	26-38	65211-44618	25	32-46	44153-30715	25	50-62	28258-22789
	40	38-54	59491-41864	30	40-58	42387-29232	30	62-80	27346-21195
	50	50-74	56516-38187	40	58-74	38977-30549	-	-	-
	60	62-80	54696-42389	50	74-80	38188-35324	-	-	-

* All output torque ratings listed in inch-pounds (Data Revised 03.18.2022)

Continued On Next Page

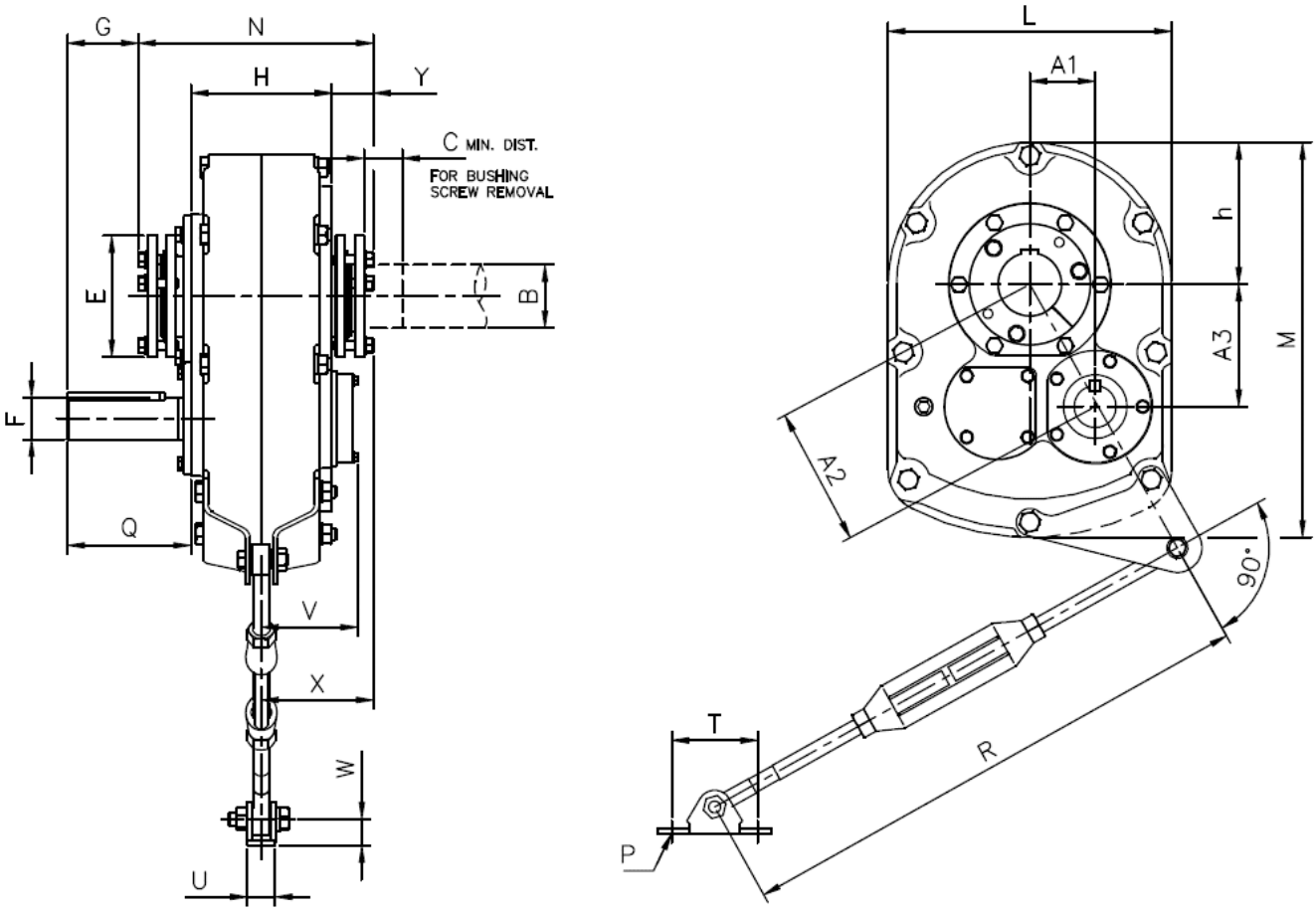
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Mechanical Ratings (Continued...)

Reducer Model Number	Service Class I			Service Class II			Service Class III		
	Power (HP)	Output (RPM)	Output * Torque	Power (HP)	Output (RPM)	Output * Torque	Power (HP)	Output (RPM)	Output * Torque
SCSMR8-15/1	40	20-30	113032-75355	25	20-26	70645-54342	15	18-20	47097-42387
	50	28-40	100922-70645	30	22-32	77067-52984	20	20-26	56516-43474
	60	34-46	99734-73717	40	32-46	70645-49144	25	28-34	50461-41556
	75	45-70	94193-60553	50	40-58	70645-48721	30	34-46	49867-36858
	100	62-85	91159-66493	60	50-74	67819-45824	40	50-58	45213-38977
	125	80-125	88310-56519	75	66-90	64223-47099	50	62-78	45577-36228
	-	-	-	100	90-125	62799-45215	60	78-95	43474-35696
	-	-	-	-	-	-	75	95-125	44620-33911
SCSMR8-25/1	7.5	4-5	105968-84774	5	4-5	70645-56516	3	4-5	42387-33910
	10	6-7	94193-80737	7.5	6-7	70645-60553	5	5-7	56516-40369
	15	8-9	105968-94193	10	8-9	70645-62796	7.5	7-9	60553-47097
	20	10-12	113032-94193	15	10-14	84774-60553	10	10-14	56516-40369
	25	12-16	117742-88306	20	14-20	80737-56516	15	16-20	52984-42387
	30	16-20	105968-84774	25	18-26	78495-54342	20	20-26	56516-43474
	40	20-30	113032-75355	30	22-32	77067-52984	25	28-34	50461-41556
	50	28-40	100922-70645	40	32-46	70645-49144	30	34-46	49867-36858
	60	34-46	99734-73717	50	40-58	70645-48721	40	50-58	45213-38977
	75	45-70	94193-60553	60	50-74	67819-45824	50	62-80	45577-35324
	100	62-80	91159-70648	75	66-80	64223-52986	-	-	-
SCSMR9-15/1	50	18-26	156989-108685	30	20-22	84774-77067	25	18-22	78495-64223
	60	22-32	154135-105968	40	22-30	102757-75355	30	22-30	77067-56516
	75	30-45	141290-94198	50	28-40	100922-70645	40	32-40	70645-56516
	100	45-58	125597-97449	60	34-50	99734-67819	50	45-52	62796-54342
	125	54-80	130830-88310	75	45-66	94193-64226	60	52-66	65211-42387
	150	70-125	121111-67822	100	62-90	91159-62799	75	70-90	60556-47099
	-	-	-	125	85-125	83116-56519	100	95-125	59493-45215
SCSMR9-25/1	15	5-6	169548-141290	7.5	4-5	105968-84774	5	4-5	70645-56516
	20	6-8	188387-141290	10	4-6	141290-94193	7.5	5-6	84774-70645
	25	8-10	176613-141290	15	8-9	105968-94193	10	6-8	94193-70645
	30	10-14	169548-121106	20	10-12	113032-94193	15	10-12	84774-70645
	40	14-20	161475-113032	25	12-16	117742-88306	20	14-16	80737-70645
	50	18-26	156989-108685	30	16-22	105968-77067	25	18-22	78495-64223
	60	22-32	154135-105968	40	22-30	102757-75355	30	22-30	77067-56516
	75	30-45	141290-94198	50	28-40	100922-70645	40	32-40	70645-56516
	100	45-62	125597-91159	60	34-50	99734-67819	50	45-52	62796-54342
	125	54-78	130830-90575	75	45-62	94193-68369	60	52-66	65211-51381
	-	-	-	100	62-78	91159-72460	75	70-78	60556-54345
SCSMR10-15/1	75	18-22	235495-192677	60	18-26	188396-130428	40	18-24	125597-94198
	100	24-32	235495-176621	75	24-34	176621-124674	50	24-32	117747-88310
	125	30-40	235495-176621	100	34-50	166231-113037	60	28-40	121111-84778
	150	38-54	223100-156996	125	45-62	156996-113949	75	38-54	111550-78498
	200	52-125	217380-90430	150	58-80	146169-105973	100	52-74	108690-76377
	-	-	-	200	78-125	144920-90430	125	70-95	100926-74367
	-	-	-	-	-	-	150	85-125	99739-67822
SCSMR10-25/1	25	5-6	299899-235495	15	4-6	211945-141297	10	4-6	141297-94198
	30	6-8	282593-211945	20	6-8	188396-141297	15	6-8	141297-105973
	40	8-10	282593-226075	25	8-10	176621-141297	20	8-10	141297-113037
	50	10-14	282593-201852	30	10-12	169556-141297	25	10-14	141297-100926
	60	12-16	282593-211945	40	12-16	188396-141297	30	12-18	141297-94198
	75	16-22	264931-192677	50	16-20	176621-141297	40	18-24	125597-94198
	100	24-32	235495-176621	60	18-26	188396-130428	50	24-32	117747-88310
	125	30-40	235495-176621	75	24-34	176621-124674	60	28-40	121111-84778
	150	38-54	223100-156996	100	34-50	166231-113037	75	38-54	111550-78498
	200	52-78	217380-144920	125	45-62	156996-113949	100	52-78	108690-72460
	-	-	-	150	58-78	146169-108690	-	-	-

* All output torque ratings listed in inch-pounds (Data Revised 03.18.2022)

Dimensions



All listed dimensions in inches														
Box Size	L M	N	F Key	B Max.	C	E G	W U	X V	Q Y	H	A1 A2	A3 h	R Min. R Max.	P T
2	8.39 11.42	7.44	1-1/8 1/4x1/8x2-5/8	1-15/16	1.25	4.06 2.15	1.06 1.10	3.74 2.87	3.58 1.44	4.57	2.13 4.32	3.76 4.09	26.94 32.94	0.51 3.00
3	9.25 12.87	9.36	1-1/4 1/4x1/8x2-15/16	2-3/16	1.5	4.37 2.31	1.06 1.10	4.72 3.49	4.33 1.70	5.63	2.34 4.78	4.17 4.84	26.94 32.94	0.51 3.00
4	10.39 15.16	10.29	1-7/16 3/8x3/16x4	2-7/16	1.75	4.81 3.26	1.23 1.34	5.20 4.03	5.40 1.78	6.38	2.76 5.53	4.79 5.50	29.19 35.19	0.67 4.00
5	13.15 18.31	10.89	1-15/16 1/2x1/4x4-1/2	2-15/16	1.81	5.63 3.29	1.23 1.34	5.19 4.47	5.72 1.92	6.54	3.03 6.43	5.67 6.57	29.19 35.19	0.67 4.00
6	15.12 21.34	11.76	2-3/16 1/2x1/4x4-1/2	3-7/16	1.81	6.12 3.58	2.00 2.75	5.79 5.24	6.03 1.94	7.36	4.08 7.87	6.73 7.56	29.19 35.19	0.67 4.75
7	18.74 25.94	13.35	2-7/16 5/8x5/16x4-3/4	3-15/16	2.06	7.24 3.35	2.00 2.75	6.71 4.57	6.34 3.01	7.36	5.10 9.74	8.30 9.37	29.44 35.44	0.67 4.75
8	20.24 28.27	14.56	2-7/16 5/8x5/16x5-3/8	4-7/16	2.06	7.80 4.07	3.15 4.02	7.35 5.89	7.11 3.06	8.46	6.03 11.25	9.50 10.12	30.00 36.00	0.83 7.00
9	22.64 31.69	14.74	2-7/16 5/8x5/16x7-3/4	4-15/16	2.44	8.66 6.50	3.15 4.02	7.51 6.13	9.65 3.33	8.27	6.59 12.66	10.81 11.32	30.00 36.00	0.83 7.00
10	25.76 34.96	15.69	2-11/16 5/8x5/8x8	5-7/16	2.44	10.12 7.14	3.15 3.5	7.86 6.9	10.26 3.12	9.45	6.59 14.13	12.5 12.94	29.92 36.22	0.83 7.00

Dimensions shown in this catalog are for general use only.
For an exact drawing on a specific rating, please contact our sales office.

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Shaft Mount Reducer Competitive Interchanges

9/1 ratio

WorldWide	Dodge© TXT™	Regal Rexnord© Browning©	Regal Rexnord© Hub City©	Cleveland Gear	AGMA Unit Size
SCMR2-9/1	TXT209AT	115SMTP09	PT2115S09	CGUSM2-09	**115**
SCMR3-9/1	TXT309AT	203SMTP09	PT3203S09	CGUSM3-09	**203**
SCMR4-9/1	TXT409AT	207SMTP09	PT4207S09	CGUSM4-09	**207**
SCMR5-9/1	TXT509AT	215SMTP09	PT5215S09	CGUSM5-09	**215**
SCMR6-9/1	TXT609AT	307SMTP09	PT6307S09	CGUSM6-09	**307**

15/1 ratio

WorldWide	Dodge© TXT™	Rexnord© Falk	Regal Rexnord© Browning©	Regal Rexnord© Hub City©	Aurora Motors	Cleveland Gear	Sumitomo Drive Technologies	LMI	Vortex©	AGMA Unit Size
SMR2-15/1	TXT215T	5115J14	115SMTP15	PT2115515	DIR215	CGUSM2-15	HSM115D-14	MSC0215	VXT215 XD	**115**
SMR3-15/1	TXT315T	5203J14	203SMTP15	PT3203515	DIR315	CGUSM3-15	HSM203E-14	MSC0315	VXT315 XD	**203**
SMR4-15/1	TXT415T	5207J14	207SMTP15	PT4207515	DIR415	CGUSM4-15	HSM207F-14	MSC0415	VXT415 XD	**207**
SMR5-15/1	TXT515T	5215J14	215SMTP15	PT5215515	DIR515	CGUSM5-15	HSM215G-14	MSC0515	VXT515 XD	**215**
SMR6-15/1	TXT615T	5307J14	307SMTP15	PT6307515	DIR615	CGUSM6-15	HSM307H-14	MSC0615	VXT615 XD	**307**
SMR7-15/1	TXT715T	5315J14	315SMTP15	PT7315515	DIR715	CGSM7-15	HSM315J-14	MSC0715	VXT715 XD	**315**
SMR8-15/1	TXT815T	5407J14	407SMTP15	PT8407515	DIR815	CGSM8-15	HSM407S-14	MSC0815	VXT815 XD	**407**
SMR9-15/1	TXT915T	5415J14	415SMTP15	PT9415515	DIR915	CGSM9-15	HSM415K-14	MSC0915	VXT915 XD	**415**
SMR10-15/1	TXT1015T	5507J14	507SMTP15	PT10507515	DIR1015	CGSM10-15	HSM507L-14	MSC01015	VXT1015 XD	**507**
SMR12-15/1	TXT1215T	5608J14	608SMTP15				HSM608M-14			**608**

25/1 ratio

WorldWide	Dodge© TXT™	Rexnord© Falk	Regal Rexnord© Browning©	Regal Rexnord© Hub City©	Aurora Motors	Cleveland Gear	Sumitomo Drive Technologies	LMI	Vortex©	AGMA Unit Size
SMR2-25/1	TXT225T	5115J25	115SMTP25	PT2115525	DIR225	CGUSM2-25	HSM115D-25	MSC0225	VXT225 XD	**115**
SMR3-25/1	TXT325T	5203J25	203SMTP25	PT3203525	DIR325	CGUSM3-25	HSM203E-25	MSC0325	VXT325 XD	**203**
SMR4-25/1	TXT425T	5207J25	207SMTP25	PT4207525	DIR425	CGUSM4-25	HSM207F-25	MSC0425	VXT425 XD	**207**
SMR5-25/1	TXT525T	5215J25	215SMTP25	PT5215525	DIR525	CGUSM5-25	HSM215G-25	MSC0525	VXT525A XD	**215**
SMR6-25/1	TXT625T	5307J25	307SMTP25	PT6307525	DIR625	CGUSM6-25	HSM307H-25	MSC0625	VXT625A XD	**307**
SMR7-25/1	TXT725T	5315J25	315SMTP25	PT7315525	DIR725	CGSM7-25	HSM315J-25	MSC0725	VXT725A XD	**315**
SMR8-25/1	TXT825T	5407J25	407SMTP25	PT8407525	DIR825	CGSM8-25	HSM407S-25	MSC0825	VXT825A XD	**407**
SMR9-25/1	TXT926T	5415J25	415SMTP25	PT9415525	DIR926	CGSM9-15	HSM415K-25		VXT925A XD	**415**
SMR10-25/1	TXT1025T	5507J25	507SMTP15	PT10507525	DIR1024	CGSM10-25	HSM507L-25		VXT1025A XD	**507**
SMR12-25/1	TXT1225T	5608J25	608SMTP25				HSM608M-25			**608**

Substitue SMR for SCSMR to cross WorldWide Electric's 15/1 and 25/1 Screw Conveyor Ready Shaft Mount Gear Reducer

WorldWide Electric | Gearing Stock Products Catalog | Current as of August 2026
Document No: GR-CAT-08-2026 | For more information, please contact customerservice@worldwideelectric.com
shop.worldwideelectric.com

Shaft Mount Reducers
Accessories & Parts

Backstop Assemblies

- Easy mount for WorldWide shaft mount reducers
- Smooth forward operation of conveyor with no backslip



HOW TO VIDEO

* Suitable for use in WorldWide Electric shaft mount reducers only. Backstop assemblies are considered safety devices and therefore are not suitable for substitution into other manufacturer's gearboxes.

Box Size	SMR Model Number	SCSMR / WSMR Model Number	List Price
2	SMR2BSK	SCSMR2BSK/WSMR2BSK	$313.78
3	SMR3BSK	SCSMR3BSK/WSMR3BSK	$401.53
4	SMR4BSK	SCSMR4BSK/WSMR4BSK	$401.53
5	SMR5BSK	SCSMR5BSK/WSMR5BSK	$476.85
6	SMR6/7BSK	SCSMR6/7BSK/WSMR6/7BSK	$903.51
7	SMR6/7BSK	SCSMR6/7BSK/WSMR6/7BSK	$903.51
8	SMR8/9BSK	SCSMR8/9BSK/WSMR8/9BSK	$1,979.08
9	SMR8/9BSK	SCSMR8/9BSK/WSMR8/9BSK	$1,979.08
10	SMR10/12BSK	SCSMR10BSK	$2,129.18
12	SMR10/12BSK	--	$2,129.18

Torque Arms

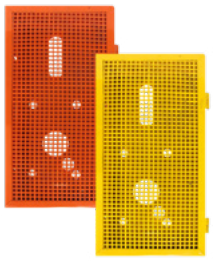
- Included with every shaft mount reducer
- Heavy gauge steel construction
- Machine precision ground interlocking parts for easy and accurate tensioning and tightening



Box Size	SMR Model Number	List Price		Box Size	SCSMR Model Number	List Price
2	SMR2-TA	$87.50		2	SCSMR2-TA	$132.65
3	SMR3-TA	$87.50		3	SCSMR3-TA	$132.65
4	SMR4-TA	$156.37		4	WSMR4-TA	$156.37
5	SMR5-TA	$156.37		5	WSMR5-TA	$171.72
6	SMR6-TA	$233.75		6	WSMR6-TA	$307.16
7	SMR7-TA	$457.71		7	WSMR7-TA	$491.45
8	SMR8-TA	$578.72		8	WSMR8-TA	$788.84
9	SMR9-TA	$578.72		9	WSMR9-TA	$788.84
10	SMR10-TA	$690.41		10	SCSMR10-TA	$1,006.74
12	SMR12-TA	$1,062.73			--	--

Belt Guards

- Hinged design for easy access to belts and sheaves
- Slotted metal panel construction
- Assembles to reducer and motor mount holes
- Easy mount for WorldWide shaft mount reducers



Box Size	Model Number	List Price
2	BG2	$568.05
3	BG3	$645.65
4	BG4	$740.59
5	BG5	$816.66
6	BG6	$930.47
7	BG7	$1,094.69
8	BG8	$1,287.85
9	BG9	$1,791.44
10	BG10	$1,939.51
12	BG12	$2,387.95

* WWE belt guards are painted orange. Yellow belt guards are available by adding the suffix "Y" to the model number (i.e. BG2Y is a box size 2 belt guard painted yellow).

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Accessories & Parts (Continued...)

Rebuild Kits (Sold As Kit Only)

- High speed input shaft
- First gear reduction gear
- Input bearings
- Input seal
- Output seals



Box Size	Ratio	SMR Model Number	List Price
2	9:1	---	---
	15:1	---	
	25:1	---	
3	9:1	---	
	15:1	SMR315RBKIT	$594.13
	25:1	SMR325RBKIT	$594.13
4	9:1	---	
	15:1	SMR415RBKIT	$731.83
	15:1	SMR415RBKITWIP	$837.15
	25:1	SMR425RBKIT	$731.83
5	9:1	---	
	15:1	SMR515RBKIT	$974.99
	25:1	SMR525RBKIT	$974.99
6	9:1	---	
	15:1	SMR615RBKIT	$1,313.56
	25:1	SMR625RBKIT	$1,313.56
7	15:1	SMR715RBKIT	$1,615.37
	25:1	SMR725RBKIT	$1,615.37
8	15:1	SMR815RBKIT	$1,989.56
	25:1	SMR825RBKIT	$1,989.56
9	15:1	SMR915RBKIT	$2,548.04
	25:1	SMR925RBKIT	$2,548.04
10	15:1	SMR1015RBKIT	$4,263.92
	25:1	SMR1025RBKIT	$4,263.92
12	25:1	SMR1225RBKITWIP	$8,433.55

Box Size	Ratio	SCSMR Model Number	List Price
2	9:1	SCSMR29RBKIT	$288.06
	15:1	SCSMR215RBKIT	$288.06
	25:1	SCSMR225RBKIT	$288.06
3	9:1	SCSMR39RBKIT	$360.39
	15:1	SCSMR315RBKIT	$360.39
	25:1	SCSMR325RBKIT	$360.39
4	9:1	SCSMR49RBKIT	$461.43
	15:1	SCSMR415RBKIT	$461.43
	25:1	SCSMR425RBKIT	$461.43
5	9:1	SCSMR59RBKIT	$591.40
	15:1	SCSMR515RBKIT	$591.40
	25:1	SCSMR525RBKIT	$591.40
6	9:1	SCSMR69RBKIT	$771.66
	15:1	SCSMR615RBKIT	$771.66
	25:1	SCSMR625RBKIT	$771.66
7	15:1	SCSMR715RBKIT	$1,110.20
	25:1	SCSMR725RBKIT	$1,110.20
8	15:1	SCSMR815RBKIT	$1,455.45
	25:1	SCSMR825RBKIT	$1,455.45
9	15:1	SCSMR915RBKIT	$3,002.70
	25:1	SCSMR925RBKIT	$3,002.70
10	15:1	SCSMR1015RBKIT	$4,571.16
	25:1	SCSMR1025RBKIT	$4,571.16
12	25:1	---	---

Motor Mounts

- Heavy gauge steel construction for NEMA frame motors
- Adjustable top plate for belt tensioning



* See next page for Motor Mount V-Belt Drive Center Distances and Allowable Sheave Sizes.

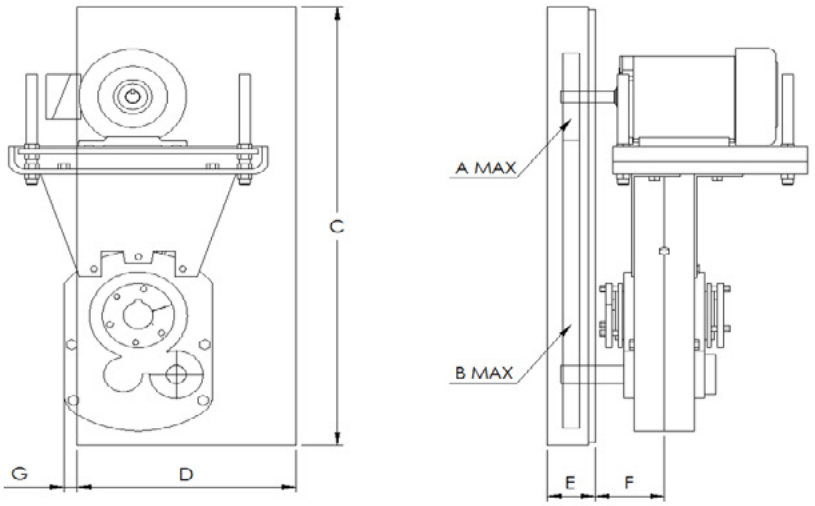
Box Size	NEMA Frame	Model Number	List Price
2	56-215T	MM2	$568.47
3	56-215T	MM3A	$584.77
4	143T-286T	MM4	$911.05
5	143T-286T	MM5A	$911.05
6	143T-326T	MM6A	$1,267.44
7	143T-365T	MM7	$1,359.48
8	213T-365T	MM8A	$1,631.35
9	284T-365T	MM9	$1,631.35
9	404T-445T	MM9L	$2,241.36
10	254T-365T	MM10	$1,832.48
10	404T-445T	MM10L	$3,045.75
12	286T-445T	MM12	$4,733.49

Mechanical Ratings (Continued...)

V-Belt Drive Center Distances for MM Series Motor Mounts

Motor Mount	Reducer Model	Center Distances For Various NEMA Motor Frames (Table ratings for 1800 RPM Motors only.)																			
		56C		143/5T		182/4T		213/5T		254/6T		284/6T		324/6T		364/5T		404/5T		444/5T	
		Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max
MM2	SMR2 SCSMR2	18.7	22.1	18.7	22.1	19.7	23.1	20.5	23.9	---	---	---	---	---	---	---	---	---	---	---	---
MM3A	SMR3 SCSMR3	20.2	23.6	20.2	23.6	21.2	24.6	22.0	25.3	23.0	26.3	---	---	---	---	---	---	---	---	---	---
MM4	SMR4 SCSMR4	---	---	21.2	25.2	22.2	26.2	23.0	26.9	23.9	27.9	24.7	28.7	---	---	---	---	---	---	---	---
MM5A	SMR5 SCSMR5	---	---	22.7	26.6	23.7	27.6	24.4	28.4	25.4	29.4	26.2	30.1	---	---	---	---	---	---	---	---
MM6A	SMR6 SCSMR6	---	---	25.9	29.7	26.9	30.7	27.6	31.4	28.6	32.4	29.4	33.2	30.4	34.2	---	---	---	---	---	---
MM7	SMR7 SCSMR7	---	---	30.6	34.4	31.6	35.4	32.4	36.2	33.4	37.2	34.1	37.9	35.1	38.9	36.1	40.0	36.1	40.0	36.1	40.0
MM8	SMR8 SCSMR8	---	---	---	---	---	---	35.5	40.5	36.4	41.2	37.2	42.2	38.2	43.2	39.2	44.2	39.2	44.2	39.2	44.2
MM9	SMR9 SCSMR9	---	---	---	---	---	---	38.0	43.0	39.0	44.0	39.8	44.7	40.7	45.7	41.7	46.7	41.7	46.7	41.7	46.7
MM10	SMR10 SCSMR10	---	---	---	---	---	---	---	---	42.6	47.5	43.3	48.2	44.3	49.2	45.3	50.2	45.3	50.2	45.3	50.2
MM12	SMR12	---	---	---	---	---	---	---	---	---	---	57.0	61.0	57.7	62.1	58.7	63.1	59.7	64.1	60.7	65.1

Maximum Allowable Sheave Sizes for Belt Guards



Reducer Model	Belt Guard Size	Motor Mount Part Number	NEMA Motor Frame	Center Distances		A	B	C	D	E	F	G
				Min	Max							
SMR2, SCSMR2	BG2	MM2	56T-215T	18.7	23.9	6	12	34	15	4	3.5	——
SMR3, SCSMR3	BG3	MM3A	56T-215T	20.2	26.3	7	14	37	17	4	3.94	——
SMR4, SCSMR4	BG4	MM4	143T-286T	21.2	28.7	7	15	43	18	4.5	5.19	——
SMR5, SCSMR5	BG5	MM5A	143T-286T	22.7	31.1	7	15	45	18	4.25	5.13	0.625
SMR6, SCSMR6	BG6	MM6A	143T-326T	25.9	34.2	8	18	50	20	6	6.06	1.63
SMR7, SCSMR7	BG7	MM7	143T-365T	30.6	40.0	10	20	56	23	6	6.88	0.5
SMR8, SCSMR8	BG8	MM8A	213T-365T	35.5	44.2	12	25	63	27	6.5	7.46	0.156
SMR9, SCSMR9	BG9	MM9	284T-365T	38.0	46.7	12	25	66	30	9	7.63	2.91
SMR10, SCSMR10	BG10	MM10	284T-365T	42.6	50.2	12	25	72.5	30	9	8.25	4.31
SMR12	BG12	MM12	320T-445T	58.1	66.6	15	30	91	34	9.5	8.13	——

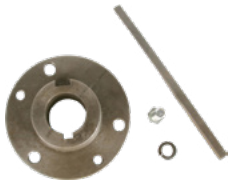
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Mechanical Ratings (Continued...)

Box Size	Bushing Size (in.)	Model Number	List Price
2	1-3/16	2WTBK-1.316	$196.48
	1-1/4	2WTBK-1.14	$196.48
	1-5/16	2WTBK-1.516	$196.48
	1-3/8	2WTBK-1.38	$196.48
	1-7/16	2WTBK-1.716	$196.48
	1-1/2	2WTBK-1.12	$196.48
	1-5/8	2WTBK-1.58	$196.48
	1-11/16	2WTBK-1.1116	$196.48
	1-3/4	2WTBK-1.34	$196.48
	1-15/16	2WTBK-1.1516	$196.48
3	1-11/16	3WTBK-1.1116	$241.77
	1-3/4	3WTBK-1.34	$241.77
	1-7/8	3WTBK-1.78	$241.77
	1-15/16	3WTBK-1.1516	$241.77
	2	3WTBK-2	$241.77
	2-3/16	3WTBK-2.316	$241.77
4	1-15/16	4WTBK-1.1516	$333.30
	2	4WTBK-2	$333.30
	2-3/16	4WTBK-2.316	$333.30
	2-1/4	4WTBK-2.14	$333.30
	2-7/16	4WTBK-2.716	$333.30
5	2-3/16	5WTBK-2.316	$459.13
	2-7/16	5WTBK-2.716	$459.13
	2-1/2	5WTBK-2.12	$459.13
	2-11/16	5WTBK-2.1116	$459.13
	2-15/16	5WTBK-2.1516	$459.13
6	2-1/2	6WTBK-2.12	$597.29
	2-3/16	6WTBK-2.316	$597.29
	2-7/16	6WTBK-2.716	$597.29
	2-11/16	6WTBK-2.1116	$597.29
	2-15/16	6WTBK-2.1516	$597.29
	3	6WTBK-3	$597.29
	3-7/16	6WTBK-3.716	$597.29
7	2-7/16	7WTBK-2.716	$803.11
	2-11/16	7WTBK-2.1116	$803.11
	2-15/16	7WTBK-2.1516	$803.11
	3	7WTBK-3	$803.11
	3-3/16	7WTBK-3.316	$803.11
	3-7/16	7WTBK-3.716	$803.11
	3-15/16	7WTBK-3.1516	$803.11
8	2-15/16	8WTBK-2.1516	$973.78
	3-7/16	8WTBK-3.716	$973.78
	3-15/16	8WTBK-3.1516	$973.78
	4-3/16	8WTBK-4.316	$973.78
	4-7/16	8WTBK-4.716	$973.78
9	3-7/16	9WTBK-3.716	$1,144.44
	3-15/16	9WTBK-3.1516	$1,144.44
	4-7/16	9WTBK-4.716	$1,144.44
	4-15/16	9WTBK-4.1516	$1,144.44
10	3-15/16	10WTBK-3.1516	$1,313.52
	4-7/16	10WTBK-4.716	$1,313.52
	4-15/16	10WTBK-4.1516	$1,313.52
	5-7/16	10WTBK-5.716	$1,313.52
12	5-7/16	12WTBK-5.716	$2,539.78
	5-15/16	12WTBK-5.1516	$2,539.78
	6	12WTBK-6	$2,539.78
	6-7/16	12WTBK-6.716	$2,539.78
	6-1/2	12WTBK-6.12	$2,539.78

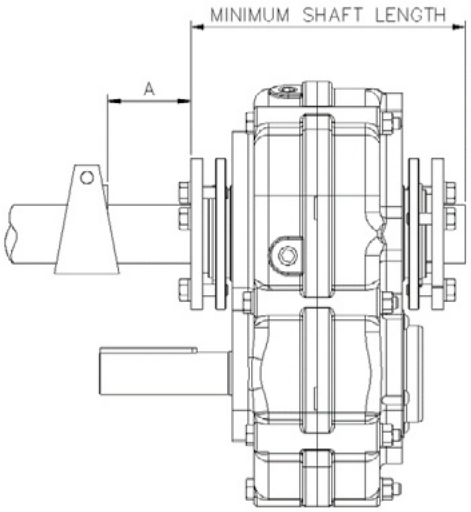
Tapered Bushing Kits

- Sized for WorldWide shaft mount reducers
- Interchangeable with other manufacturers
- Fast and simple installation
- Tapered support on both sides of the reducer
- Includes fastening bolts and a full length shaft key



HOW TO VIDEO

Minimum Mounting Dimensions



Preferred Min. Required Shaft Length	
Reducer Model	**Preferred Minimum Required Shaft Length (inches)**
SMR2, SCSMR2	7.84
SMR3, SCSMR3	9.93
SMR4, SCSMR4	10.71
SMR5, SCSMR5	11.48
SMR6, SCSMR6	12.49
SMR7, SCSMR7	13.73
SMR8, SCSMR8	14.91
SMR9, SCSMR9	15.11
SMR10, SCSMR10	16.62
SMR12	19.81

Bushing Screw Information and Min. Clearance for Removal			
Reducer Model	**Fastener Size**	**Torque (in.-lbs)**	**Dimension A**
SMR2, SCSMR2	5/16-18	200	1.25
SMR3, SCSMR3	3/8-16	360	1.5
SMR4, SCSMR4	3/8-16	360	1.75
SMR5, SCSMR5	7/16-14	800	1.81
SMR6, SCSMR6	7/16-14	800	1.81
SMR7, SCSMR7	1/2-13	1000	2.06
SMR8, SCSMR8	1/2-13	1000	2.06
SMR9, SCSMR9	5/8-11	1900	2.44
SMR10, SCSMR10	5/8-11	1900	2.44
SMR12	5/8-11	1900	2.44

Accessories & Parts (Continued...)

SCSMR Series Screw Conveyor Drive Shafts

- Machined from high tensile strength alloy steel
- Conforms to CEMA standards
- Three-hole design for easy installation onto screw



Box Size	Model Number	Drive Shaft Size (inches)	List Price
2	2SCDS-1.12	1 ½"	$370.05
	2SCDS-2	2"	$370.05
	2SCDS-2.716	2 7⁄16"	$467.02
	2SCDS-3	3"	$467.02
3	3SCDS-1.12	1 ½"	$480.40
	3SCDS-2	2"	$480.40
	3SCDS-2.716	2 7⁄16"	$480.40
	3SCDS-3	3"	$549.93
4	4SCDS-1.12	1 ½"	$560.37
	4SCDS-2	2"	$560.37
	4SCDS-2.716	2 7⁄16"	$560.37
	4SCDS-3	3"	$615.03
	4SCDS-3.716	3 7⁄16"	$652.72
5	5SCDS-2	2"	$697.80
	5SCDS-2.716	2 7⁄16"	$697.80
	5SCDS-3	3"	$697.80
	5SCDS-3.716	3 7⁄16"	$705.63
6	6SCDS-2.716	2 7⁄16"	$936.13
	6SCDS-3	3"	$936.13
	6SCDS-3.716	3 7⁄16"	$1,048.48

SCSMR Series NEMA Design D Screw Conveyor Flanges

- Conforms to CEMA standards
- Bolt-on design allows for easy mounting
- Heavy duty FCD45 cast iron construction
- Double lip seal and braided felt seal installed



Box Size	Model Number	List Price
2	2SCF	$348.44
3	3SCF	$398.25
4	4SCF	$459.75
5	5SCF	$534.80
6	6SCF	$685.18

HOW TO VIDEO

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HdR Series
Heavy Duty Cast Iron

Product Specifications & Order Codes

- 5:1 - 60:1 ratios
- Box sizes (Center distances of 1.33" to 3.25")
- One piece # FC20 all cast iron housing
- Embedded double-lip oil seals
- Double bearings used on both shaft ends
- Anti-rust primer applied outside gearbox before top painting
- S45C carbon steel shafts
- AIBC3 aluminum - bronze gear
- Interior oil channel guide directly and constantly lube bearings
- Tapered roller bearing on output and input shafts
- All angle - radiused mounting holes
- Air dry special black paint
- Shaft sleeve protects all shafts
- Compact design
- Units filled with Mobil #SHC632 synthetic oil for "A" position mounting
- Adjust oil level for alternative mounting positions
- Universally interchangeable
- 1 year warranty

HOW TO VIDEO


Flange Input
Shaft Output
Left Hand Output


Flange Input
Shaft Output
Right Hand Output


Flange Input
Shaft Output
Double End Output


Flange Input
Hollow Bore Output


Shaft Input
Shaft Output
Left Hand Output


Shaft Input
Shaft Output
Right Hand Output

How to Order

Please use the following table and nomenclature for ordering WorldWide Electric Worm Gear Reducers

Style	Box Size	Ratio	Output	Motor Frame*
S - Shaft Input	133	5:1	L - Left Hand	56C
F - Flange Input	154	10:1	R - Right Hand	143TC
	175	15:1	DE - Double End	145TC
	206	20:1	H - Hollow Bore	182/4TC
	237	25:1		
	262	30:1		
	325	40:1		
		50:1		
		60:1		*Leave Blank for Shaft Input
HdR___	**____**	**__/__**	**____**	**____**

Mechanical Ratings

Input Speed		1750 RPM									
		Mechanical (1.0 SF)			Thermal						
Box Size	Ratio	Input HP	Output Torque (lbs. in.)	Output HP	Input HP	Output Torque (lbs. in.)	Output HP	Efficiency (%)	O.H.L. (lbs.)	Output Shaft Thrust Load (lbs.)	Backlash (ft.) (Angular Minutes)
133	5:1	1.15	209	1.05	1.15	209	1.05	91	300	300	27
	10:1	0.77	247	0.66	0.75	240	0.64	86			
	15:1	0.63	283	0.50	0.53	238	0.42	80			
	20:1	0.50	276	0.39	0.48	266	0.38	78			
	25:1	0.48	321	0.36	0.42	282	0.32	75			
	30:1	0.47	336	0.31	0.31	221	0.20	66			
	40:1	0.38	356	0.25	0.30	282	0.19	65			
	50:1	0.29	312	0.17	0.26	282	0.15	59			
	60:1	0.23	261	0.12	0.22	252	0.12	53			

Mechanical Ratings (Continued...)

Input Speed		1750 RPM									
		Mechanical (1.0 SF)			Thermal						
Box Size	Ratio	Input HP	Output Torque (lbs. in.)	Output HP	Input HP	Output Torque (lbs. in.)	Output HP	Efficiency (%)	O.H.L. (lbs.)	Output Shaft Thrust Load (lbs.)	Backlash (ft.) (Angular Minutes)
154	5:1	2.04	341	1.88	2.04	341	1.88	92	450	400	23
	10:1	1.03	327	0.90	1.03	327	0.90	88			
	15:1	0.78	363	0.67	0.78	363	0.67	86			
	20:1	0.65	384	0.53	0.65	384	0.53	81			
	25:1	0.53	354	0.40	0.53	354	0.40	75			
	30:1	0.48	388	0.36	0.48	388	0.36	74			
	40:1	0.40	397	0.27	0.40	397	0.27	68			
	50:1	0.34	407	0.22	0.34	407	0.22	66			
	60:1	0.29	373	0.17	0.29	373	0.17	59			
175	5:1	2.83	499	2.62	2.28	402	2.11	93	650	550	20
	10:1	1.57	515	1.38	1.36	445	1.19	88			
	15:1	1.24	554	1.06	1.13	506	0.96	85			
	20:1	1.02	596	0.85	0.98	572	0.81	83			
	25:1	0.82	547	0.61	0.66	441	0.49	75			
	30:1	0.78	666	0.56	0.69	533	0.50	69			
	40:1	0.74	714	0.49	0.59	558	0.39	62			
	50:1	0.50	575	0.32	0.50	575	0.32	59			
	60:1	0.38	469	0.20	0.38	469	0.20	52			
206	5:1	3.62	685	3.33	2.57	486	2.36	92	700	750	17
	10:1	2.77	935	2.50	2.10	708	1.89	90			
	15:1	2.09	1002	1.78	1.40	673	1.20	85			
	20:1	1.57	914	1.29	1.17	681	0.96	82			
	25:1	1.48	1016	1.14	0.89	607	0.68	77			
	30:1	1.65	1310	1.21	0.76	606	0.56	73			
	40:1	1.09	1120	0.77	0.71	726	0.50	71			
	50:1	0.74	830	0.46	0.54	606	0.33	62			
	60:1	0.60	750	0.35	0.48	606	0.28	58			
237	5:1	4.57	798	4.24	3.56	630	3.31	93	900	900	17
	10:1	3.47	1158	3.09	2.24	746	1.99	89			
	15:1	2.64	1249	2.22	1.55	732	1.30	84			
	20:1	2.06	1195	1.69	1.36	791	1.12	82			
	25:1	1.85	1297	1.45	1.13	793	0.89	78			
	30:1	1.82	1507	1.39	1.02	847	0.78	76			
	40:1	1.45	1483	1.02	0.83	845	0.58	71			
	50:1	1.32	1527	0.84	0.67	779	0.43	64			
	60:1	0.86	1149	0.53	0.63	844	0.39	61			
	100:1	0.39	809	0.23	0.39	809	0.23	58			
262	5:1	5.24	924	4.86	4.32	761	4.00	93	1000	1000	17
	10:1	4.17	1445	3.74	3.06	1061	2.75	90			
	15:1	3.22	1577	2.81	2.47	1212	2.16	87			
	20:1	2.67	1563	2.21	1.84	1078	1.53	83			
	25:1	2.37	1707	1.91	1.62	1167	1.30	81			
	30:1	2.22	1827	1.68	1.30	1072	0.99	76			
	40:1	1.85	1919	1.32	1.11	1153	0.80	72			
	50:1	1.37	1658	0.92	0.95	1152	0.64	67			
	60:1	1.16	1670	0.77	0.94	1346	0.62	66			
325	5:1	9.72	1724	9.06	6.93	1228	6.46	93	1200	1100	15
	10:1	7.19	2419	6.46	4.63	1558	4.16	90			
	15:1	5.45	2611	4.65	3.19	1527	2.72	85			
	20:1	4.74	2875	4.07	3.31	2011	2.85	86			
	25:1	3.85	2838	3.17	2.67	1965	2.20	82			
	30:1	3.66	3045	2.80	2.00	1661	1.53	77			
	40:1	3.35	3692	2.55	1.96	2156	1.49	76			
	50:1	2.49	3413	1.88	1.92	2637	1.46	76			
	60:1	2.03	3127	1.44	1.61	2476	1.14	71			

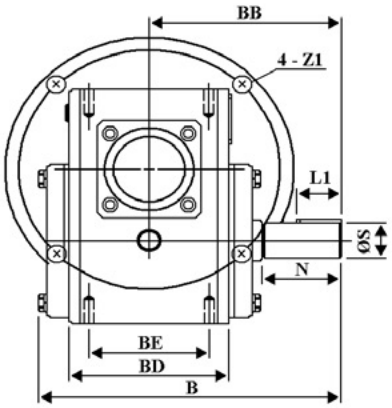
* Thermal Limit Ratings - Max. Input HP at 20˚C ambient temperature with Mobil SHC 632 lubricant

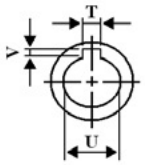
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Order Codes | Flange Input | Shaft Output

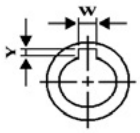
Ratio	Output RPM @ 1800 RPM Input	WCD Center (in.)	NEMA Motor Frame	Approx. Wt. (lbs.)	Model Number Left Hand Output	Model Number Right Hand Output	Model Number Double End Output	List Price
5:1	350	1.33	56C	17	HdRF133-5/1-L-56C	HdRF133-5/1-R-56C	HdRF133-5/1-DE-56C	$304.06
		1.54	56C	22	---	HdRF154-5/1-R-56C	HdRF154-5/1-DE-56C	$333.91
		1.75	56C	27	HdRF175-5/1-L-56C	HdRF175-5/1-R-56C	HdRF175-5/1-DE-56C	$367.86
		2.06	56C	32	HdRF206-5/1-L-56C	HdRF206-5/1-R-56C	HdRF206-5/1-DE-56C	$466.95
		2.37	56C	38	HdRF237-5/1-L-56C	HdRF237-5/1-R-56C	HdRF237-5/1-DE-56C	$561.96
		2.62	182/4TC	53	HdRF262-5/1-L-182/4TC	HdRF262-5/1-R-182/4TC	HdRF262-5/1-DE-182/4TC	$605.40
		3.25	182/4TC	90	HdRF325-5/1-L-182/4TC	HdRF325-5/1-R-182/4TC	HdRF325-5/1-DE-182/4TC	$855.15
10:1	175	1.33	56C	17	HdRF133-10/1-L-56C	HdRF133-10/1-R-56C	HdRF133-10/1-DE-56C	$304.06
		1.54	56C	22	HdRF154-10/1-L-56C	HdRF154-10/1-R-56C	HdRF154-10/1-DE-56C	$333.91
		1.75	56C	27	HdRF175-10/1-L-56C	HdRF175-10/1-R-56C	HdRF175-10/1-DE-56C	$367.86
		2.06	56C	32	HdRF206-10/1-L-56C	HdRF206-10/1-R-56C	HdRF206-10/1-DE-56C	$466.95
		2.06	143TC	32	HdRF206-10/1-L-143TC	-	-	$466.95
		2.37	56C	38	HdRF237-10/1-L-56C	HdRF237-10/1-R-56C	HdRF237-10/1-DE-56C	$561.96
		2.37	145TC	53	HdRF237-10/1-L-145TC	HdRF237-10/1-R-145TC	HdRF237-10/1-DE-145TC	$561.96
		2.62	182/4TC	53	HdRF262-10/1-L-182/4TC	HdRF262-10/1-R-182/4TC	HdRF262-10/1-DE-182/4TC	$605.40
		3.25	182/4TC	90	HdRF325-10/1-L-182/4TC	HdRF325-10/1-R-182/4TC	HdRF325-10/1-DE-182/4TC	$855.15
15:1	120	1.33	56C	17	HdRF133-15/1-L-56C	HdRF133-15/1-R-56C	HdRF133-15/1-DE-56C	$304.06
		1.54	56C	22	HdRF154-15/1-L-56C	HdRF154-15/1-R-56C	HdRF154-15/1-DE-56C	$333.91
		1.75	56C	27	HdRF175-15/1-L-56C	HdRF175-15/1-R-56C	HdRF175-15/1-DE-56C	$367.86
		2.06	56C	32	HdRF206-15/1-L-56C	HdRF206-15/1-R-56C	HdRF206-15/1-DE-56C	$466.95
		2.37	56C	38	HdRF237-15/1-L-56C	HdRF237-15/1-R-56C	HdRF237-15/1-DE-56C	$561.96
		2.62	56C	53	HdRF262-15/1-L-56C	HdRF262-15/1-R-56C	HdRF262-15/1-DE-56C	$605.40
		2.62	145TC	53	HdRF262-15/1-L-145TC	HdRF262-15/1-R-145TC	HdRF262-15/1-DE-145TC	$605.40
		3.25	182/4TC	90	HdRF325-15/1-L-182/4TC	HdRF325-15/1-R-182/4TC	HdRF325-15/1-DE-182/4TC	$855.15
20:1	88	1.33	56C	17	HdRF133-20/1-L-56C	HdRF133-20/1-R-56C	HdRF133-20/1-DE-56C	$304.06
		1.54	56C	22	HdRF154-20/1-L-56C	HdRF154-20/1-R-56C	HdRF154-20/1-DE-56C	$333.91
		1.75	56C	27	HdRF175-20/1-L-56C	HdRF175-20/1-R-56C	HdRF175-20/1-DE-56C	$367.86
		2.06	56C	32	HdRF206-20/1-L-56C	HdRF206-20/1-R-56C	HdRF206-20/1-DE-56C	$466.95
		2.37	56C	38	HdRF237-20/1-L-56C	HdRF237-20/1-R-56C	HdRF237-20/1-DE-56C	$561.96
		2.62	56C	53	HdRF262-20/1-L-56C	HdRF262-20/1-R-56C	HdRF262-20/1-DE-56C	$605.40
		2.62	145TC	53	HdRF262-20/1-L-145TC	HdRF262-20/1-R-145TC	HdRF262-20/1-DE-145TC	$605.40
		3.25	182/4TC	90	HdRF325-20/1-L-182/4TC	HdRF325-20/1-R-182/4TC	HdRF325-20/1-DE-182/4TC	$855.15
25:1	70	2.06	56C	32	HdRF206-25/1-L-56C	HdRF206-25/1-R-56C	---	$466.95
		2.37	56C	38	HdRF237-25/1-L-56C	HdRF237-25/1-R-56C	---	$561.96
		2.62	56C	53	HdRF262-25/1-L-56C	HdRF262-25/1-R-56C	---	$605.40
		2.62	145TC	53	HdRF262-25/1-L-145TC	HdRF262-25/1-R-145TC	---	$605.40
		3.25	145TC	90	HdRF325-25/1-L-145TC	HdRF325-25/1-R-145TC	---	$855.15
30:1	58	1.33	56C	17	HdRF133-30/1-L-56C	HdRF133-30/1-R-56C	HdRF133-30/1-DE-56C	$304.06
		1.54	56C	22	HdRF154-30/1-L-56C	HdRF154-30/1-R-56C	HdRF154-30/1-DE-56C	$333.91
		1.75	56C	27	HdRF175-30/1-L-56C	HdRF175-30/1-R-56C	HdRF175-30/1-DE-56C	$367.86
		2.06	56C	32	HdRF206-30/1-L-56C	HdRF206-30/1-R-56C	HdRF206-30/1-DE-56C	$466.95
		2.37	56C	38	HdRF237-30/1-L-56C	HdRF237-30/1-R-56C	HdRF237-30/1-DE-56C	$561.96
		2.62	56C	50	HdRF262-30/1-L-56C	HdRF262-30/1-R-56C	HdRF262-30/1-DE-56C	$605.40
		2.62	145TC	50	HdRF262-30/1-L-145TC	HdRF262-30/1-R-145TC	HdRF262-30/1-DE-145TC	$605.40
		3.25	56C	87	HdRF325-30/1-L-56C	HdRF325-30/1-R-56C	HdRF325-30/1-DE-56C	$855.15
		3.25	145TC	87	HdRF325-30/1-L-145TC	HdRF325-30/1-R-145TC	HdRF325-30/1-DE-145TC	$855.15
		3.25	182/4TC	90	HdRF325-30/1-L-182/4TC	HdRF325-30/1-R-182/4TC	---	$855.15
40:1	44	1.33	56C	17	HdRF133-40/1-L-56C	HdRF133-40/1-R-56C	HdRF133-40/1-DE-56C	$304.06
		1.54	56C	22	HdRF154-40/1-L-56C	HdRF154-40/1-R-56C	HdRF154-40/1-DE-56C	$333.91
		1.75	56C	27	HdRF175-40/1-L-56C	HdRF175-40/1-R-56C	HdRF175-40/1-DE-56C	$367.86
		2.06	56C	32	HdRF206-40/1-L-56C	HdRF206-40/1-R-56C	HdRF206-40/1-DE-56C	$466.95
		2.37	56C	38	HdRF237-40/1-L-56C	HdRF237-40/1-R-56C	HdRF237-40/1-DE-56C	$561.96
		2.62	56C	50	HdRF262-40/1-L-56C	HdRF262-40/1-R-56C	HdRF262-40/1-DE-56C	$605.40
		2.62	145TC	50	HdRF262-40/1-L-145TC	HdRF262-40/1-R-145TC	---	$605.40
		3.25	56C	87	HdRF325-40/1-L-56C	HdRF325-40/1-R-56C	HdRF325-40/1-DE-56C	$855.15
		3.25	145TC	87	HdRF325-40/1-L-145TC	HdRF325-40/1-R-145TC	HdRF325-40/1-DE-145TC	$855.15
50:1	35	1.33	56C	17	HdRF133-50/1-L-56C	HdRF133-50/1-R-56C	HdRF133-50/1-DE-56C	$304.06
		1.54	56C	22	HdRF154-50/1-L-56C	HdRF154-50/1-R-56C	HdRF154-50/1-DE-56C	$333.91
		1.76	56C	27	HdRF175-50/1-L-56C	HdRF175-50/1-R-56C	HdRF175-50/1-DE-56C	$367.86
		2.06	56C	32	HdRF206-50/1-L-56C	HdRF206-50/1-R-56C	HdRF206-50/1-DE-56C	$466.95
		2.37	56C	38	HdRF237-50/1-L-56C	HdRF237-50/1-R-56C	HdRF237-50/1-DE-56C	$561.96
		2.62	56C	50	HdRF262-50/1-L-56C	HdRF262-50/1-R-56C	HdRF262-50/1-DE-56C	$605.40
		3.25	56C	87	HdRF325-50/1-L-56C	HdRF325-50/1-R-56C	HdRF325-50/1-DE-56C	$855.15
		3.25	145TC	87	HdRF325-50/1-L-145TC	HdRF325-50/1-R-145TC	HdRF325-50/1-DE-145TC	$855.15
60:1	29	1.33	56C	17	HdRF133-60/1-L-56C	HdRF133-60/1-R-56C	HdRF133-60/1-DE-56C	$304.06
		1.54	56C	22	HdRF154-60/1-L-56C	HdRF154-60/1-R-56C	HdRF154-60/1-DE-56C	$333.91
		1.75	56C	27	HdRF175-60/1-L-56C	HdRF175-60/1-R-56C	HdRF175-60/1-DE-56C	$367.86
		2.06	56C	32	HdRF206-60/1-L-56C	HdRF206-60/1-R-56C	HdRF206-60/1-DE-56C	$466.95
		2.37	56C	38	HdRF237-60/1-L-56C	HdRF237-60/1-R-56C	HdRF237-60/1-DE-56C	$561.96
		2.62	56C	50	HdRF262-60/1-L-56C	HdRF262-60/1-R-56C	HdRF262-60/1-DE-56C	$605.40
		3.25	56C	87	HdRF325-60/1-L-56C	HdRF325-60/1-R-56C	HdRF325-60/1-DE-56C	$855.15
		3.25	145TC	87	HdRF325-60/1-L-145TC	HdRF325-60/1-R-145TC	HdRF325-60/1-DE-145TC	$855.15

Dimensions | Flange Input | Shaft Output | Left / Right Hand Output

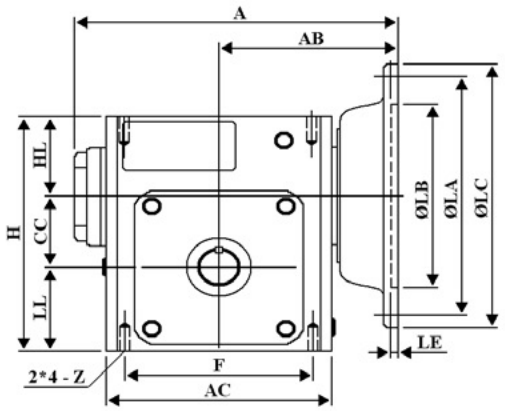




INPUT-BORE



OUTPUT SHAFT



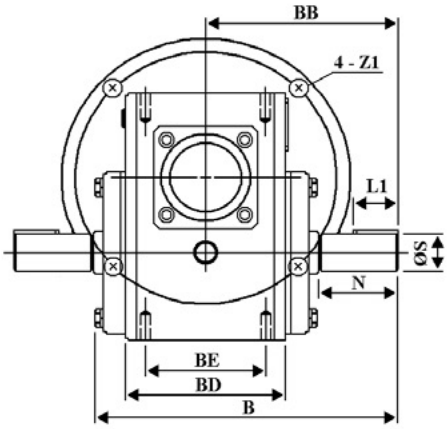
All listed dimensions in inches														
Box Size	NEMA Frame	A	AB	AC	B	BB	BD	BE	CC	F	H	HL	LL	N
133	56C	5.99	3.386	3.78	6.067	4	2.835	2	1.333	3.25	4.656	1.605	1.718	2
154	56C	7.15	3.976	4.961	6.122	4.311	3.622	2.75	1.54	4.188	5.378	1.929	1.909	1.772
175	56C	7.29	4.035	5.059	6.831	4.311	3.563	2.75	1.75	4.188	5.75	1.938	2.062	1.781
206	56C	7.95	4.37	5.748	7.249	4.69	3.819	2.88	2.062	5	6.375	2.032	2.281	2.09
	143TC	7.95	4.37	5.748	7.29	4.69	3.819	2.88	2.062	5	6.375	2.032	2.281	2.09
237	56C	8.71	4.705	6.378	7.948	5.087	4.055	2.88	2.375	5	6.937	2.062	2.5	2.37
262	56C	9.41	5.059	7.165	8.872	5.63	4.685	3.375	2.625	6.375	8	2.437	2.938	2.626
	145TC	9.41	5.059	7.165	8.872	5.63	4.685	3.375	2.625	6.375	8	2.437	2.938	2.626
	182/4TC	10.57	6.24	7.165	8.872	5.63	4.685	3.375	2.625	6.375	8	2.437	2.938	2.626
325	56C	11.42	6.063	9.016	11.014	7.059	5.748	4	3.25	7.5	9.375	2.625	3.5	3.25
	145TC	11.42	6.063	9.016	11.014	7.059	5.748	4	3.25	7.5	9.375	2.625	3.5	3.25
	182/4TC	12.59	7.244	9.016	11.014	7.059	5.748	4	3.25	7.5	9.375	2.625	3.5	3.25

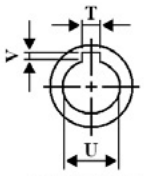
All listed dimensions in inches													
Box Size	NEMA Frame	Z (UNC)	INPUT BORE		OUTPUT SHAFT			FLANGE					Oil (oz.)
			U	T x V	L1	S	W x Y	LA	LB	LC	LE	Z1	
133	56C	5/16 - 18	0.625	3/16 x 3/32	1	0.625	3/16 x 3/32	5.875	4.5	6.496	0.157	0.433	5.82
154	56C	5/16 - 18	0.625	3/16 x 3/32	1	0.75	3/16 x 3/32	5.875	4.5	6.496	0.157	0.433	11.64
175	56C	5/16 - 18	0.625	3/16 x 3/32	1	0.875	3/16 x 3/32	5.875	4.5	6.496	0.157	0.433	11.64
206	56C	3/8 - 16	0.625	3/16 x 3/32	1.25	1	1/4 x 1/8	5.875	4.5	6.496	0.157	0.433	19.41
	143TC	3/8 - 16	0.625	3/16 x 3/32	1.25	1	1/4 x 1/8	5.875	4.5	6.496	0.157	0.433	19.41
237	56C	3/8 - 16	0.625	3/16 x 3/32	1.25	1.125	1/4 x 1/8	5.875	4.5	6.496	0.157	0.433	24.07
262	56C	3/8 - 16	0.625	3/16 x 3/32	2	1.125	1/4 x 1/8	5.875	4.5	6.496	0.157	0.433	34.55
	145TC	3/8 - 16	0.875	3/16 x 3/32	2	1.125	1/4 x 1/8	5.875	4.5	6.496	0.157	0.433	34.55
	182/4TC	3/8 - 16	1.125	1/4 x 1/8	2	1.125	1/4 x 1/8	8.5	7.25	9	0.197	0.551	34.55
325	56C	7/16 - 14	0.625	3/16 x 3/32	2.438	1.375	5/16 x 5/32	5.875	4.5	6.496	0.157	0.433	73.75
	145TC	7/16 - 14	0.875	3/16 x 3/32	2.438	1.375	5/16 x 5/32	5.875	4.5	6.496	0.157	0.433	73.75
	182/4TC	7/16 - 14	1.125	1/4 x 1/8	2.438	1.375	5/16 x 5/32	8.5	7.25	9	0.197	0.551	73.75

Dimensions shown in this catalog are for general use only.
For an exact drawing on a specific rating, please contact our sales office.

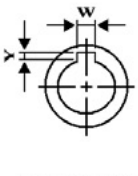
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Dimensions | Flange Input | Shaft Output | Double End Output

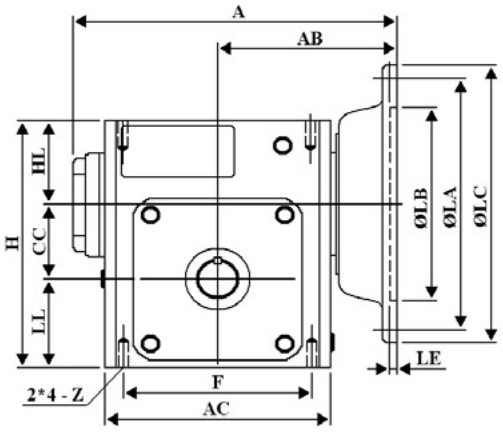




INPUT-BORE



OUTPUT SHAFT



All listed dimensions in inches														
Box Size	NEMA Frame	A	AB	AC	B	BB	BD	BE	CC	F	H	HL	LL	N
133	56C	5.99	3.386	3.78	6.067	4	2.835	2	1.333	3.25	4.656	1.605	1.718	2
175	56C	7.29	4.035	5.059	6.831	4.311	3.563	2.75	1.75	4.188	5.75	1.938	2.062	1.781
206	56C	7.95	4.37	5.748	7.249	4.69	3.819	2.88	2.062	5	6.375	2.032	2.281	2.09
237	56C	8.71	4.705	6.378	7.948	5.087	4.055	2.88	2.375	5	6.937	2.062	2.5	2.37
	56C	9.41	5.059	7.165	8.872	5.63	4.685	3.375	2.625	6.375	8	2.437	2.938	2.626
262	145TC	9.41	5.059	7.165	8.872	5.63	4.685	3.375	2.625	6.375	8	2.437	2.938	2.626
	182/4TC	10.57	6.24	7.165	8.872	5.63	4.685	3.375	2.625	6.375	8	2.437	2.938	2.626
	56C	11.42	6.063	9.016	11.014	7.059	5.748	4	3.25	7.5	9.375	2.625	3.5	3.25
325	145TC	11.42	6.063	9.016	11.014	7.059	5.748	4	3.25	7.5	9.375	2.625	3.5	3.25
	182/4TC	12.59	7.244	9.016	11.014	7.059	5.748	4	3.25	7.5	9.375	2.625	3.5	3.25

All listed dimensions in inches													
Box Size	NEMA Frame	Z (UNC)	INPUT BORE		OUTPUT SHAFT			FLANGE					Oil (oz.)
			U	T x V	L1	S	W x Y	LA	LB	LC	LE	Z1	
133	56C	5/16 - 18	0.625	3/16 x 3/32	1	0.625	3/16 x 3/32	5.875	4.5	6.496	0.157	0.433	5.82
175	56C	5/16 - 18	0.625	3/16 x 3/32	1	0.875	3/16 x 3/32	5.875	4.5	6.496	0.157	0.433	11.64
206	56C	3/8 - 16	0.625	3/16 x 3/32	1.25	1	1/4 x 1/8	5.875	4.5	6.496	0.157	0.433	19.41
237	56C	3/8 - 16	0.625	3/16 x 3/32	1.25	1.125	1/4 x 1/8	5.875	4.5	6.496	0.157	0.433	24.07
	56C	3/8 - 16	0.625	3/16 x 3/32	2	1.125	1/4 x 1/8	5.875	4.5	6.496	0.157	0.433	34.55
262	145TC	3/8 - 16	0.875	3/16 x 3/32	2	1.125	1/4 x 1/8	5.875	4.5	6.496	0.157	0.433	34.55
	182/4TC	3/8 - 16	1.125	1/4 x 1/8	2	1.125	1/4 x 1/8	8.5	7.25	9	0.197	0.551	34.55
	56C	7/16 - 14	0.625	3/16 x 3/32	2.438	1.375	5/16 x 5/32	5.875	4.5	6.496	0.157	0.433	73.75
325	145TC	7/16 - 14	0.875	3/16 x 3/32	2.438	1.375	5/16 x 5/32	5.875	4.5	6.496	0.157	0.433	73.75
	182/4TC	7/16 - 14	1.125	1/4 x 1/8	2.438	1.375	5/16 x 5/32	8.5	7.25	9	0.197	0.551	73.75

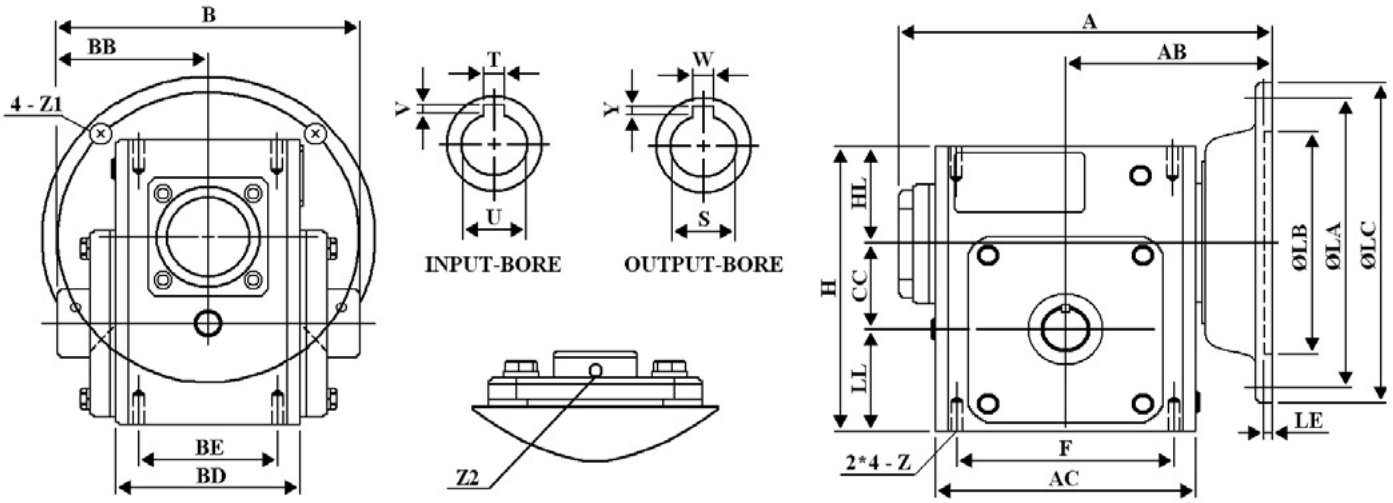
Dimensions shown in this catalog are for general use only.
For an exact drawing on a specific rating, please contact our sales office.

Order Codes | Flange Input | Hollow Bore Output

Ratio C	Output RPM @ 1800 RPM Input	WCD Center (in.)	NEMA Motor Frame	Approx. Wt. (lbs.)	Model Number	List Price
5:1	350	1.33	56C	17	HdRF133-5/1-H-56C	$409.93
		1.75	56C	27	HdRF175-5/1-H-56C	$485.95
		2.06	56C	32	HdRF206-5/1-H-56C	$582.32
		2.37	56C	38	HdRF237-5/1-H-56C	$665.12
		2.62	182/4TC	53	HdRF262-5/1-H-182/4TC	$818.51
		3.25	182/4TC	90	HdRF325-5/1-H-182/4TC	$1,137.50
10:1	175	1.33	56C	17	HdRF133-10/1-H-56C	$409.93
		1.75	56C	27	HdRF175-10/1-H-56C	$485.95
		2.06	56C	32	HdRF206-10/1-H-56C	$582.32
		2.37	56C	38	HdRF237-10/1-H-56C	$665.12
		2.62	182/4TC	53	HdRF262-10/1-H-182/4TC	$818.51
		3.25	182/4TC	90	HdRF325-10/1-H-182/4TC	$1,137.50
15:1	120	1.33	56C	17	HdRF133-15/1-H-56C	$409.93
		1.75	56C	27	HdRF175-15/1-H-56C	$485.95
		2.06	56C	32	HdRF206-15/1-H-56C	$582.32
		2.37	56C	38	HdRF237-15/1-H-56C	$665.12
		2.62	56C	53	HdRF262-15/1-H-56C	$818.51
		2.62	145TC	53	HdRF262-15/1-H-145TC	$818.51
		3.25	182/4TC	90	HdRF325-15/1-H-182/4TC	$1,137.50
20:1	88	1.33	56C	17	HdRF133-20/1-H-56C	$409.93
		1.75	56C	27	HdRF175-20/1-H-56C	$485.95
		2.06	56C	32	HdRF206-20/1-H-56C	$582.32
		2.37	56C	38	HdRF237-20/1-H-56C	$665.12
		2.62	56C	53	HdRF262-20/1-H-56C	$818.51
		2.62	145TC	53	HdRF262-20/1-H-145TC	$818.51
		3.25	182/4TC	90	HdRF325-20/1-H-182/4TC	$1,137.50
25:1	70	1.75	56C	27	HdRF175-25/1-H-56C	$485.95
		2.06	56C	32	HdRF206-25/1-H-56C	$582.32
		2.62	56C	53	HdRF262-25/1-H-56C	$818.51
		2.62	145TC	53	HdRF262-25/1-H-145TC	$818.51
30:1	58	1.33	56C	17	HdRF133-30/1-H-56C	$409.93
		1.75	56C	27	HdRF175-30/1-H-56C	$485.95
		2.06	56C	32	HdRF206-30/1-H-56C	$582.32
		2.37	56C	38	HdRF237-30/1-H-56C	$665.12
		2.62	56C	50	HdRF262-30/1-H-56C	$818.51
		2.62	145TC	50	HdRF262-30/1-H-145TC	$818.51
		3.25	56C	87	HdRF325-30/1-H-56C	$1,137.50
		3.25	145TC	87	HdRF325-30/1-H-145TC	$1,137.50
40:1	44	1.33	56C	17	HdRF133-40/1-H-56C	$409.93
		1.75	56C	27	HdRF175-40/1-H-56C	$485.95
		2.06	56C	32	HdRF206-40/1-H-56C	$582.32
		2.37	56C	38	HdRF237-40/1-H-56C	$665.12
		2.62	56C	50	HdRF262-40/1-H-56C	$818.51
		3.25	56C	87	HdRF325-40/1-H-56C	$1,137.50
		3.25	145TC	87	HdRF325-40/1-H-145TC	$1,137.50
50:1	35	1.33	56C	17	HdRF133-50/1-H-56C	$409.93
		1.76	56C	27	HdRF175-50/1-H-56C	$485.95
		2.06	56C	32	HdRF206-50/1-H-56C	$582.32
		2.37	56C	38	HdRF237-50/1-H-56C	$665.12
		2.62	56C	50	HdRF262-50/1-H-56C	$818.51
		3.25	56C	87	HdRF325-50/1-H-56C	$1,137.50
		3.25	145TC	87	HdRF325-50/1-H-145TC	$1,137.50
60:1	29	1.33	56C	17	HdRF133-60/1-H-56C	$409.93
		1.75	56C	27	HdRF175-60/1-H-56C	$485.95
		2.06	56C	32	HdRF206-60/1-H-56C	$582.32
		2.37	56C	38	HdRF237-60/1-H-56C	$665.12
		2.62	56C	50	HdRF262-60/1-H-56C	$818.51
		3.25	56C	87	HdRF325-60/1-H-56C	$1,137.50
		3.25	145TC	87	HdRF325-60/1-H-145TC	$1,137.50
		3.25	182/4TC	90	HdRF325-60/1-H-182/4TC	$1,137.50

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Dimensions | Flange Input | Hollow Bore Output



All listed dimensions in inches														
Box Size	NEMA Frame	A	AB	AC	B	BB	BD	BE	CC	F	H	HL	LL	Z2
133	56C	5.98	3.386	3.78	4.44	2.218	2.835	2	1.333	3.25	4.656	1.605	1.718	#10 - 32 UNF x ¼
175	56C	7.28	4.035	5.059	6.18	3.091	3.563	2.75	1.75	4.19	5.75	1.938	2.062	#10 - 32 UNF x ¼
206	56C	7.95	4.37	5.748	6.44	3.219	3.819	2.88	2.062	5	6.375	2.032	2.281	¼ - 28 UNF x ⅜
237	56C	8.68	4.705	6.378	6.44	3.22	4.055	2.88	2.375	5	6.937	2.062	2.5	¼ - 28 UNF x ⅜
	56C	9.41	5.059	7.165	7	3.5	4.68	3.375	2.625	6.38	8	2.437	2.938	¼ - 28 UNF x ⅜
262	145TC	9.41	5.059	7.165	7	3.5	4.68	3.375	2.625	6.38	8	2.437	2.938	¼ - 28 UNF x ⅜
	182/4TC	10.59	6.24	7.165	7	3.5	4.68	3.375	2.625	6.38	8	2.437	2.938	¼ - 28 UNF x ⅜
	56C	11.42	6.063	9.016	8.76	4.38	5.748	4	3.25	7.5	9.375	2.625	3.5	5⁄16 - 24 UNF x ⅜
325	145TC	11.42	6.063	9.016	8.76	4.38	5.748	4	3.25	7.5	9.375	2.625	3.5	5⁄16 - 24 UNF x ⅜
	182/4TC	12.6	7.244	9.016	8.76	4.38	5.748	4	3.25	7.5	9.375	2.625	3.5	5⁄16 - 24 UNF x ⅜

All listed dimensions in inches													
Box Size	NEMA Frame	Z (UNC)	INPUT BORE		OUTPUT BORE		FLANGE					Oil (oz.)
			U	T x V	S	W x Y	LA	LB	LC	LE	Z1	
133	56C	5/16 - 18	0.625	3/16 x 3/32	0.625	3/16 x 3/32	5.875	4.5	6.5	0.157	0.433	5.82
175	56C	5/16 - 18	0.625	3/16 x 3/32	1	1/4 x 7/64	5.875	4.5	6.5	0.157	0.433	11.64
206	56C	3/8 - 16	0.625	3/16 x 3/32	1.125	1/4 x 1/8	5.875	4.5	6.5	0.157	0.433	19.41
237	56C	3/8 - 16	0.625	3/16 x 3/32	1.25	1/4 x 1/8	5.875	4.5	6.5	0.157	0.433	24.07
	56C	3/8 - 16	0.625	3/16 x 3/32	1.437	3/8 x 3/16	5.875	4.5	6.5	0.157	0.433	34.55
262	145TC	3/8 - 16	0.875	3/16 x 3/32	1.437	3/8 x 3/16	5.875	4.5	6.5	0.157	0.433	34.55
	182/4TC	3/8 - 16	1.125	1/4 x 1/8	1.437	3/8 x 3/16	7.25	8.5	9	0.2	0.551	34.55
	56C	7/16 - 14	0.625	3/16 x 3/32	1.937	1/2 x 1/4	5.875	4.5	6.5	0.157	0.433	73.75
325	145TC	7/16 - 14	0.875	3/16 x 3/32	1.937	1/2 x 1/4	5.875	4.5	6.5	0.157	0.433	73.75
	1842/TC	7/16 - 14	1.125	1/4 x 1/8	1.937	1/2 x 1/4	7.25	8.5	9	0.2	0.551	73.75

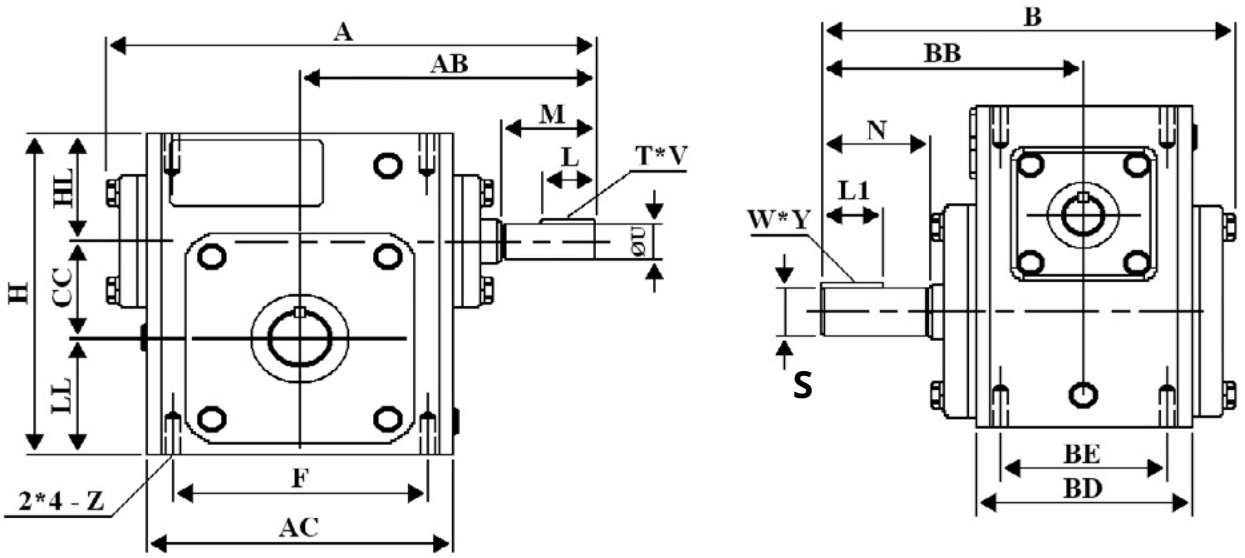
Dimensions shown in this catalog are for general use only.
For an exact drawing on a specific rating, please contact our sales office.

Order Codes | Shaft Input | Shaft Output

Ratio C	Output RPM @ 1800 RPM Input	WCD Center (in.)	NEMA Motor Frame	Approx. Wt. (lbs.)	Model Number Left Hand Output	Model Number Right Hand Output	List Price
5:1	350	1.33	56C	17	HdRS133-5/1-L	HdRS133-5/1-R	$261.99
		1.75	56C	27	HdRS175-5/1-L	HdRS175-5/1-R	$316.26
		2.06	56C	32	HdRS206-5/1-L	HdRS206-5/1-R	$378.72
		2.37	56C	38	HdRS237-5/1-L	HdRS237-5/1-R	$434.36
		2.62	182/4TC	53	HdRS262-5/1-L	HdRS262-5/1-R	$533.44
		3.25	182/4TC	90	HdRS325-5/1-L	HdRS325-5/1-R	$751.99
10:1	175	1.33	56C	17	HdRS133-10/1-L	HdRS133-10/1-R	$261.99
		1.54	56C	22	HdRS154-10/1-L	---	$289.13
		1.75	56C	27	HdRS175-10/1-L	HdRS175-10/1-R	$316.26
		2.06	56C	32	HdRS206-10/1-L	HdRS206-10/1-R	$378.72
		2.37	56C	38	HdRS237-10/1-L	HdRS237-10/1-R	$434.36
		2.62	182/4TC	53	HdRS262-10/1-L	HdRS262-10/1-R	$533.44
		3.25	182/4TC	90	HdRS325-10/1-L	HdRS325-10/1-R	$751.99
15:1	120	1.33	56C	17	HdRS133-15/1-L	HdRS133-15/1-R	$261.99
		1.75	56C	27	HdRS175-15/1-L	HdRS175-15/1-R	$316.26
		2.06	56C	32	HdRS206-15/1-L	HdRS206-15/1-R	$378.72
		2.37	56C	38	HdRS237-15/1-L	HdRS237-15/1-R	$434.36
		2.62	56C/145TC	53	HdRS262-15/1-L	HdRS262-15/1-R	$533.44
		3.25	182/4TC	90	HdRS325-15/1-L	HdRS325-15/1-R	$751.99
20:1	88	1.33	56C	17	HdRS133-20/1-L	HdRS133-20/1-R	$261.99
		1.54	56C	22	HdRS154-20/1-L	---	$289.13
		1.75	56C	27	HdRS175-20/1-L	HdRS175-20/1-R	$316.26
		2.06	56C	32	HdRS206-20/1-L	HdRS206-20/1-R	$378.72
		2.37	56C	38	HdRS237-20/1-L	HdRS237-20/1-R	$434.36
		2.62	56C/145TC	53	HdRS262-20/1-L	HdRS262-20/1-R	$533.44
		3.25	182/4TC	90	HdRS325-20/1-L	HdRS325-20/1-R	$751.99
30:1	58	1.33	56C	17	HdRS133-30/1-L	HdRS133-30/1-R	$261.99
		1.75	56C	27	HdRS175-30/1-L	HdRS175-30/1-R	$316.26
		2.06	56C	32	HdRS206-30/1-L	HdRS206-30/1-R	$378.72
		2.37	56C	38	HdRS237-30/1-L	HdRS237-30/1-R	$434.36
		2.62	56C/145TC	50	HdRS262-30/1-L	HdRS262-30/1-R	$533.44
		3.25	56C/145TC	87	HdRS325-30/1-L	HdRS325-30/1-R	$751.99
40:1	44	1.33	56C	17	HdRS133-40/1-L	HdRS133-40/1-R	$261.99
		1.54	56C	22	HdRS154-40/1-L	---	$289.13
		1.75	56C	27	HdRS175-40/1-L	HdRS175-40/1-R	$316.26
		2.06	56C	32	HdRS206-40/1-L	HdRS206-40/1-R	$378.72
		2.37	56C	38	HdRS237-40/1-L	HdRS237-40/1-R	$434.36
		2.62	56C	50	HdRS262-40/1-L	HdRS262-40/1-R	$533.44
		3.25	56C/145TC	87	HdRS325-40/1-L	HdRS325-40/1-R	$751.99
50:1	35	1.33	56C	17	HdRS133-50/1-L	HdRS133-50/1-R	$261.99
		1.76	56C	27	HdRS175-50/1-L	HdRS175-50/1-R	$316.26
		2.06	56C	32	HdRS206-50/1-L	HdRS206-50/1-R	$378.72
		2.37	56C	38	HdRS237-50/1-L	HdRS237-50/1-R	$434.36
		2.62	56C	50	HdRS262-50/1-L	HdRS262-50/1-R	$533.44
		3.25	56C/145TC	87	HdRS325-50/1-L	HdRS325-50/1-R	$751.99
60:1	29	1.33	56C	17	HdRS133-60/1-L	HdRS133-60/1-R	$261.99
		1.75	56C	27	HdRS175-60/1-L	HdRS175-60/1-R	$316.26
		2.06	56C	32	HdRS206-60/1-L	HdRS206-60/1-R	$378.72
		2.37	56C	38	HdRS237-60/1-L	HdRS237-60/1-R	$434.36
		2.62	56C	50	HdRS262-60/1-L	HdRS262-60/1-R	$533.44
		3.25	56C/145TC/182/4TC	87	HdRS325-60/1-L	HdRS325-60/1-R	$751.99

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Dimensions, Shaft Input, Shaft Output

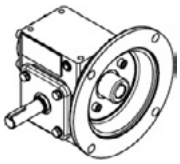
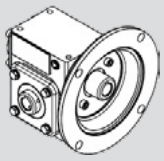
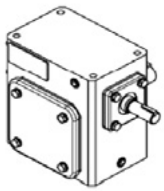


All listed dimensions in inches														
Box Size	NEMA Frame	A	AB	AC	B	BB	BD	BE	CC	F	H	HL	LL	N
133	56	6.45	3.907	3.78	6.067	4	2.835	2	1.333	3.25	4.656	1.605	1.718	2
175	56	8.06	4.872	5.059	6.831	4.311	3.563	2.75	1.75	4.188	5.75	1.938	2.062	1.781
206	56	8.65	5.128	5.748	7.249	4.69	3.819	2.88	2.062	5	6.375	2.032	2.281	2.09
	145T	8.65	5.128	5.748	7.249	4.69	3.819	2.88	2.062	5	6.375	2.032	2.281	2.09
237	56	9.69	5.75	6.378	7.948	5.087	4.055	2.88	2.375	5	6.937	2.062	2.5	2.37
	145T	9.69	5.75	6.378	7.948	5.087	4.055	2.88	2.375	5	6.937	2.062	2.5	2.37
	182/4T	9.69	5.75	6.378	7.948	5.087	4.055	2.88	2.375	5	6.937	2.062	2.5	2.37
262	56	10.61	6.309	7.165	8.872	5.63	4.685	3.375	2.625	6.375	8	2.437	2.938	2.626
	145T	10.61	6.309	7.165	8.872	5.63	4.685	3.375	2.625	6.375	8	2.437	2.938	2.626
	182/4T	10.61	6.309	7.165	8.872	5.63	4.685	3.375	2.625	6.375	8	2.437	2.938	2.626
325	145T	12.74	7.441	9.016	11.01	7.059	5.748	4	3.25	7.5	9.375	2.625	3.5	3.25
	182/4T	12.74	7.441	9.016	11.01	7.059	5.748	4	3.25	7.5	9.375	2.625	3.5	3.25

All listed dimensions in inches									
Box Size	NEMA Frame	Z (UNC)	INPUT SHAFT			OUTPUT SHAFT			Oil (oz.)
			L	U	T x V	L1	S	W x Y	
133	56	5/16 -18	0.625	0.5	1/8 x 1/16	1	0.625	3/16 x 3/32	5.82
175	56	5/16 - 18	0.875	0.625	3/16 x 3/32	1	0.875	3/16 x 3/32	11.64
206	56	3/8 - 16	0.875	0.625	3/16 x 3/32	1.25	1	1/4 x 1/8	19.41
	145T	3/8 - 16	0.875	0.625	3/16 x 3/32	1.25	1	1/4 x 1/8	19.41
237	56	3/8 - 16	1	0.75	3/16 x 3/32	1.25	1.125	1/4 x 1/8	24.07
	145T	3/8 - 16	1	0.75	3/16 x 3/32	1.25	1.125	1/4 x 1/8	24.07
	182/4T	3/8 - 16	1	0.75	3/16 x 3/32	1.25	1.125	1/4 x 1/8	24.07
262	56	3/8 - 16	1	0.75	3/16 x 3/32	2	1.125	1/4 x 1/8	34.55
	145T	3/8 - 16	1	0.75	3/16 x 3/32	2	1.125	1/4 x 1/8	34.55
	182/4T	3/8 - 16	1	0.75	3/16 x 3/32	2	1.125	1/4 x 1/8	34.55
325	145T	7/16 - 14	1	0.875	3/16 x 3/32	2.438	1.375	5/16 x 5/32	73.75
	182/4T	7/16 - 14	1	0.875	3/16 x 3/32	2.438	1.375	5/16 x 5/32	73.75

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HDR Series Competitive Interchange

	Center Distance	1.33	1.75	2.06	2.37	2.62	3.25
C-FACE INPUT SHAFT OUTPUT	WorldWide Electric	HdRF133-L/R	HdRF175-L/R	HdRF206-L/R	HdRF237-L/R	HdRF262-L/R	HdRF325-L/R
	Alling Lander	13UF	17UF	20UF	23UF	26UF	32UF
	Baldor	F913	F918	F921	F924	F926	F932
	Boston	F713	F718	F721	F724	F726	F732
	Browning - Raider	Q133	Q175	Q206	Q237	Q262	Q325
	Dodge - Tigear	Q133	Q175	Q200	—	Q262	—
	Electra *	MSC13	MSC17	MSC21	—	MSC26	—
	Falk - Omnibox	1133WBM	1175WBM	1206WBM	1238WBM	1262WBM	1325WBM
	Grove (New)	BMQ213	BMQ218	BMQ220	BMQ224	BMQ226	BMQ232
	Grove (Old)	BMQ1133	BMQ1175	BMQ1206	BMQ1238	BMQ1262	BMQ1325
	Hub City *	134	184	214	—	264	324
	Leeson	BMQ613	BMQ618	BMQ621	BMQ624	BMQ626	BMQ632
	Morse Cobra *	13Q	18Q	21Q	—	26Q	—
	Morse Raider	713F	718F	721F	724F	726F	732F
	Ohio Gear	BMQ2133	BMQ2175	BMQ2206	BMQ2238	BMQ2262	BMQ2325
	Winsmith *	913MDN	917MDN	920MDN	924MDN	—	—
C-FACE INPUT HOLLOW BORE OUTPUT	WorldWide Electric	HdRF133-H	HdRF175-H	HdRF206-H	HdRF237-H	HdRF262-H	HdRF325-H
	Alling Lander	13YF	17YF	20YF	23YF	26YF	32YF
	Baldor	HF913	HF918	HF921	HF924	HF926	HF932
	Boston	HF713	HF718	HF721	HF724	HF726	HF732
	Browning - Raider	QH133	QH175	QH206	QH237	QH262	QH325
	Electra *	—	MHSC17	MHSC21	—	MHSC26	—
	Falk - Omnibox	1133WBQM	1175WBQM	1206WBQM	1238WBQM	1262WBQM	1325WBQM
	Grove (New)	HMQ213	HMQ218	HMQ220	HMQ224	HMQ226	HMQ232
	Grove (Old)	HMQ1133	HMQ1175	HMQ1206	HMQ1238	HMQ1262	HMQ1325
	Hub City *	—	185	215	—	265	325
	Leeson	HMQ613	HMQ618	HMQ621	HMQ624	HMQ626	HMQ632
	Morse Cobra *	13QH	18QH	21QH	—	26QH	—
	Morse Raider	713SF	718SF	721SF	724SF	726SF	732SF
	Ohio Gear	SM2133MQ	SM2175MQ	SM2206MQ	SM2238MQ	SM2262MQ	SM2325MQ
	Winsmith *	—	917MDSN	920MDSN	924MDSN	926MDSN	—
SHAFT INPUT SHAFT OUTPUT	WorldWide Electric	HdRS133	HdRS175	HdRS206	HdRS237	HdRS262	HdRS325
	Alling Lander	13U	17U	20U	23U	26U	32U
	Baldor	S913	S918	S921	S924	S926	S932
	Boston	713	718	721	724	726	732
	Browning - Raider	U133	U175	U206	U237	U262	U325
	Dodge - Tigear	S133	S175	S200	—	S262	—
	Electra *	M13	M17	M21	—	M26	—
	Falk - Omnibox	1133WB	1175WB	1206WB	1238WB	1262WB	1325WB
	Grove (New)	B213	B218	B220	B224	B226	B232
	Grove (Old)	B1133	B1175	B1206	B1238	B1262	B1325
	Hub City *	131	181	211	—	261	321
	Leeson	B613	B618	B621	B624	B626	B632
	Morse Cobra *	13U	18U	21U	—	26U	—
	Morse Raider	713B	718B	721B	724B	726B	732B
	Ohio Gear	B2133	B2175	B2206	B2238	B2262	B2325
	Winsmith *	913DN	917DN	920DN	924DN	926DN	—

* WorldWide worm gearboxes are not dimensionally interchangeable with these manufacturers.
** WorldWide hollow bore worm gearboxes have only one output diameter bore available per center distance.

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Accessories & Parts

Mounting Bases

- Box Sizes 1.33 - 3.25
- Includes Mounting Bolts

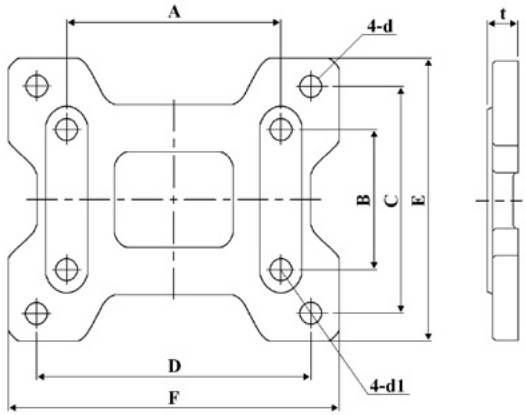


Box Size	Model Number	List Price
133	HdRBASE133	$37.45
154	HdRBASE154	$42.13
175	HdRBASE175	$46.81
206	HdRBASE206	$56.18
237	HdRBASE237	$65.53
262	HdRBASE262	$74.91
325	HdRBASE325	$84.25

Mounting Base Dimensions

Box Size	A	B	C	D	E	F	t	d	d1
133	3.25	2.00	3.31	4.38	4.19	5.38	0.53	11/32	3/8
154	4.19	2.75	4.31	5.25	5.44	6.44	0.59	11/32	3/8
175	4.19	2.75	4.50	5.75	5.69	7.00	0.69	13/32	3/8
206	5.00	2.88	4.69	6.38	5.94	7.75	0.72	15/32	7/16
237	5.00	2.88	4.88	7.06	6.22	8.50	0.75	15/32	7/16
262	6.38	3.38	5.25	8.00	6.66	9.63	0.75	17/32	7/16
325	7.50	4.00	6.13	9.50	7.66	11.19	0.88	17/32	1/2

All dimensions in inches



Set Screws

Model Number	Description	List Price
HdR-H-PTCB10006F	HdRF133-HdRF175 / HdRS133-HdRS175	$1.69
HdR-H-PTCB02009F	HdRF206-HdRF237 / HdRS206-HdRS237	$1.69
HdR-H-PTCB02011F	HdRF262 / HdRS262	$1.69
HdR-H-PTCBH2009F	HdRF325 / HdRS325	$1.69

Breather Plugs



Model Number	Description	List Price
BREATHER_BRR-PT14	HdRF133-HdRF262 / HdRS133-HdRS262	$25.66
BREATHER_BRR-PT38	HdRF325 / HdRS325	$27.90

Bushing Kits



Model Number	Reducer Size CD (in.)	Output Bore Size	Inner Diameter I.D. (in.)	List Price
HdRB118.1	2.06	1-1/8"	1"	$103.68
HdRB114.1	2.37	1-1/4"	1"	$103.68
HdRB1716.1	2.62	1-7/16"	1"	$181.25
HdRB11516.114	3.25	1-15/16"	1-1/4"	$199.06
HdRB11516.1716			1-7/16"	$199.06
HdRB11516.112			1-1/2"	$199.06

Accessories & Parts (Continued...)

Oil Seals / Sealed

Model Number	Description	List Price
HdR-PSS000040087	HdRF133-HdRF206	$12.27
HdR-PSS000052077	HdRF237-HdRF262	$19.82
HdR-PSS000062107	HdRF325	$28.04

Oil Seals / Input

Model Number	Description	List Price
HdR-PSS030042081	HdRF133-HdRF325 (56C)	$15.94
HdR-PSS035042081	HdRF237-HdRF262 (145TC)	$12.44
HdR-PSS045062081	HdRF262-HdRF325 (182/4TC)	$12.44
HdR-PSS045062081	HdRF325 (145TC)	$12.44
HdR-PSS017035071	HdRS133 (56C)	$11.27
HdR-PSS020035081	HdRS175-HdRS206 (56C)	$10.02
HdR-PSS025035061	HdRS237-HdRS262 (56C)	$11.27
HdR-PSS030040071	HdRS325-(56C)	$12.44

Oil Seals / Output

Model Number	Description	List Price
HdR-PSS020032061	HdRF133 / HdRS133	$11.27
HdR-PSS025045081	HdRF175 / HdRS175	$16.95
HdR-PSS030047061	HdRF206 / HdRS206	$19.27
HdR-PSS035050081	HdRF237 / HdRS237	$15.77
HdR-PSS035055081	HdRF262 / HdRS262	$18.11
HdR-PSS040055081	HdRF325 / HdRS325	$15.77
HdR-PSS040062091	HdRF175 HOLLOW BORE	$17.76
HdR-PSS045065101	HdRF206 HOLLOW BORE	$12.44
HdR-PSS050072121	HdRF237 HOLLOW BORE	$29.26
HdR-PSS060082121	HdRF262 HOLLOW BORE	$36.81
HdR-PSS070095131	HdRF325 HOLLOW BORE	$46.73

Bearings / Input



Model Number	Description	List Price
HdR-PBA30203	HdRF133-HdRF206	$41.97
HdR-PBA30204	HdRS133	$35.65
HdR-PBA30205	HdRF237-HdRF262 / HdRS175-HdRS206	$39.41
HdR-PBA30206	HdRF133-HdRF206 / HdRF325	$45.27
HdR-PBA30207	HdRS325	$57.00

Bearings / Output



Model Number	Description	List Price
HdR-PBA30204	HdRF133 / HdRS133	$35.65
HdR-PBA30206	HdRF175-HdRF206 / HdRS175-HdRS206	$45.27
HdR-PBA30207	HdRF237-HdRF262 / HdRS237-HdRS262	$57.00
HdR-PBA30208	HdRF325 / HdRS325	$67.77
HdR-PBA32008	HdRF175 HOLLOW BORE	$89.12
HdR-PBA32009	HdRF206 HOLLOW BORE	$109.05
HdR-PBA32010	HdRF237 HOLLOW BORE	$125.23
HdR-PBA32012	HdRF262 HOLLOW BORE	$182.00
HdR-PBA32014	HdRF325 HOLLOW BORE	$279.80

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Accessories & Parts (Continued...)

Input Flanges



Model Number	Description	List Price
HDR-KFYG0331651	HdRF133-HdRF154 (56C)	$124.48
HdR-KFYG0451651	HdRF175-HdRF206 (56C)	$133.84
HdR-KFYG0611651	HdRF237-HdRF262 (56C/145TC)	$138.17
HdR-KFYG0612281	HdRF262 (182/4TC)	$255.86
HdR-KFYG0831651	HdRF325 (56C/145TC)	$157.72
HdR-KFYG0832281	HdRF325 (182/4TC)	$298.76

Output Flanges



Model Number	Description	List Price
HdR133-OPF	HdRF133-H	$38.83
HdR154-OPF	HdRF154-H	$64.81
HdR175-OPF	HdRF175-H	$90.78
HdR206-OPF	HdRF206-H	$103.64
HdR237-OPF	HdRF237-H	$116.46
HdR262-OPF	HdRF262-H	$129.61
HdR325-OPF	HdRF325-H	$142.43

SSHdR Series
Stainless Steel

Product Specifications & Order Codes

- 5:1 - 100:1 ratios
- Box sizes (Center distances 1.75" - 3.25")
- 304 stainless steel housing, covers and flange
- BEAG certified - formerly BISSC
- IP69K protection against close-range high pressure, high temperature spray downs
- Magnetic hardware allows for recognition by metal detection devices to prevent contamination
- Double-lipped VITON oil seals (at output)
- Smooth, polished surfaces and etched nameplate
- Internal bladder functions as a breather and effectively dispels heat
- 15CrMo4 NEMA quill input with carburizing heat treatment
- CuSn12Ni2 bronze alloy worm wheel with high efficiency gear tooth configuration
- RoHS plastic covers supplied to fill unused mounting slots
- O-ring provided on input flange to prevent moisture intrusion
- Performance equivalent to other major brands
- Units filled with Mobil CIBUS 460 H1 food grade lubricant
- 1 year warranty



Ratio	Output RPM @ 1750 RPM Input	WCD Center (in.)	NEMA Motor Frame	Approx. Wt. (lbs.)	Model Number	List Price
5:1	350	1.75	56C	16	SSHdR175-5/1-H-56C-1.0	$1,653.40
		2.06	56C	22	SSHdR206-5/1-H-56C-1.716	$1,685.88
		2.37	56C	28	SSHdR237-5/1-H-56C-1.716	$2,195.38
		2.62	145TC	39	SSHdR262-5/1-H-145TC-1.1516	$2,854.76
		3.25	56C	66	SSHdR325-5/1-H-56C-2.316	$3,705.19
		3.25	145TC	66	SSHdR325-5/1-H-145TC-2.316	$3,705.19
10:1	175	1.75	56C	16	SSHdR175-10/1-H-56C-1.0	$1,544.76
		2.06	56C	22	SSHdR206-10/1-H-56C-1.716	$1,685.88
		2.37	56C	28	SSHdR237-10/1-H-56C-1.716	$2,051.78
		2.62	145TC	39	SSHdR262-10/1-H-145TC-1.1516	$2,678.69
		3.25	56C	66	SSHdR325-10/1-H-56C-2.316	$3,705.19
		3.25	145TC	66	SSHdR325-10/1-H-145TC-2.316	$3,705.19
15:1	120	1.75	56C	16	SSHdR175-15/1-H-56C-1.0	$1,544.76
		2.06	56C	22	SSHdR206-15/1-H-56C-1.716	$1,685.88
		2.37	56C	28	SSHdR237-15/1-H-56C-1.716	$2,051.78
		2.62	145TC	39	SSHdR262-15/1-H-145TC-1.1516	$2,678.69
		3.25	145TC	66	SSHdR325-15/1-H-145TC-2.316	$3,705.19
20:1	88	1.75	56C	16	SSHdR175-20/1-H-56C-1.0	$1,544.76
		2.06	56C	22	SSHdR206-20/1-H-56C-1.716	$1,685.88
		2.37	56C	28	SSHdR237-20/1-H-56C-1.716	$2,051.78
		2.62	56C	39	SSHdR262-20/1-H-56C-1.1516	$2,678.69
		2.62	145TC	39	SSHdR262-20/1-H-145TC-1.1516	$2,678.69
		3.25	56C	66	SSHdR325-20/1-H-56C-2.316	$3,705.19
		3.25	145TC	66	SSHdR325-20/1-H-145TC-2.316	$3,705.19
30:1	58	1.75	56C	16	SSHdR175-30/1-H-56C-1.0	$1,544.76
		2.06	56C	22	SSHdR206-30/1-H-56C-1.716	$1,685.88
		2.37	56C	28	SSHdR237-30/1-H-56C-1.716	$2,051.78
		2.62	56C	39	SSHdR262-30/1-H-56C-1.1516	$2,678.69
		2.62	145TC	39	SSHdR262-30/1-H-145TC-1.1516	$2,678.69
		3.25	56C	66	SSHdR325-30/1-H-56C-2.316	$3,705.19
		3.25	145TC	66	SSHdR325-30/1-H-145TC-2.316	$3,705.19
40:1	44	1.75	56C	16	SSHdR175-40/1-H-56C-1.0	$1,544.76
		2.06	56C	22	SSHdR206-40/1-H-56C-1.716	$1,685.88
		2.37	56C	28	SSHdR237-40/1-H-56C-1.716	$2,051.78
		2.62	56C	39	SSHdR262-40/1-H-56C-1.1516	$2,678.69
		3.25	56C	66	SSHdR325-40/1-H-56C-2.316	$3,705.19
		3.25	145TC	66	SSHdR325-40/1-H-145TC-2.316	$3,705.19
50:1	35	1.75	56C	16	SSHdR175-50/1-H-56C-1.0	$1,544.76
		2.06	56C	22	SSHdR206-50/1-H-56C-1.716	$1,685.88
		2.37	56C	28	SSHdR237-50/1-H-56C-1.716	$2,051.78
		2.62	56C	39	SSHdR262-50/1-H-56C-1.1516	$2,678.69
		3.25	56C	66	SSHdR325-50/1-H-56C-2.316	$3,705.19
		3.25	145TC	66	SSHdR325-50/1-H-145TC-2.316	$3,705.19
60:1	29	1.75	56C	16	SSHdR175-60/1-H-56C-1.0	$1,544.76
		2.06	56C	22	SSHdR206-60/1-H-56C-1.716	$1,685.88
		2.37	56C	28	SSHdR237-60/1-H-56C-1.716	$2,051.78
		2.62	56C	39	SSHdR262-60/1-H-56C-1.1516	$2,678.69
		3.25	56C	66	SSHdR325-60/1-H-56C-2.316	$3,705.19
		3.25	145TC	66	SSHdR325-60/1-H-145TC-2.316	$3,705.19
80:1	22	2.06	56C	22	SSHdR206-80/1-H-56C-1.716	$1,685.88
		2.37	56C	28	SSHdR237-80/1-H-56C-1.716	$2,051.78
		2.62	56C	39	SSHdR262-80/1-H-56C-1.1516	$2,678.69
		3.25	143TC	66	SSHdR325-80/1-H-143TC-2.316	$3,705.19
100:1	18	2.06	56C	22	SSHdR206-100/1-H-56C-1.716	$1,685.88
		2.37	56C	28	SSHdR237-100/1-H-56C-1.716	$2,051.78
		2.62	56C	39	SSHdR262-100/1-H-56C-1.1516	$2,678.69
		3.25	56C	66	SSHdR325-100/1-H-56C-2.316	$3,705.19

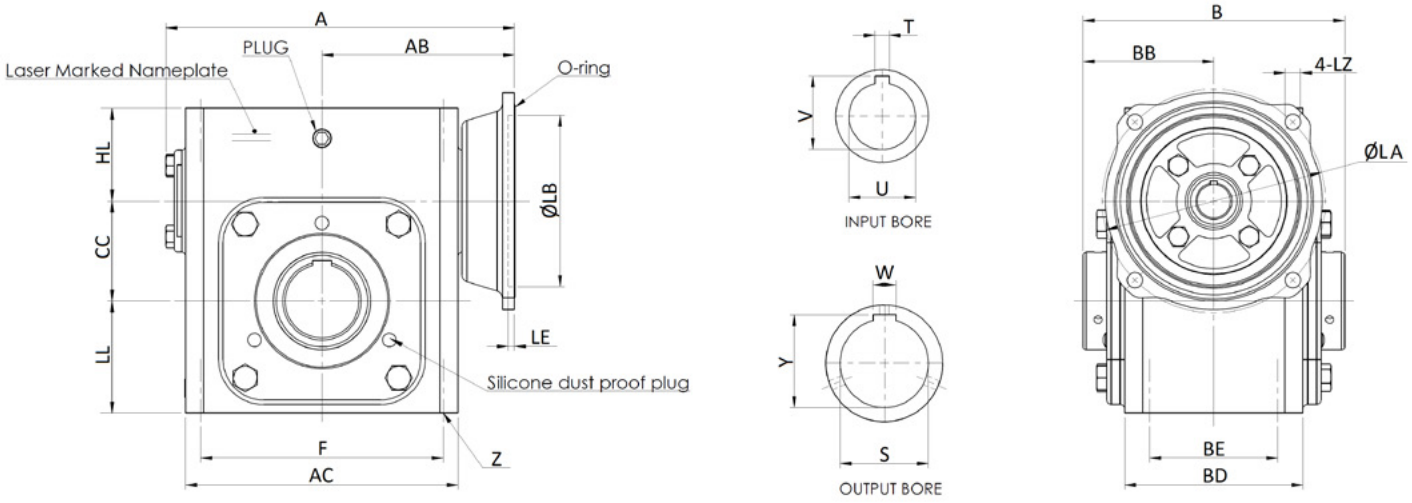
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Mechanical Ratings

Input Speed: 1750 RPM												
Series Size			Mechanical			Thermal			Efficiency (%)	O.H.L. (lbs.)	Output Shaft Thrust Load (lbs.)	Backlash (Angular Min.) (')
Box Size	Nominal Ratio	Actual Ratio	Input HP	Output Torque (lb-in)	Output HP	Input HP	Output Torque (lb-in)	Output HP				
175	5	5.25	2.36	416	2.20	1.99	350	1.85	93.2	650	550	20
	10	10	1.52	495	1.38	1.43	467	1.30	90.5			
	15	15	1.09	506	0.94	0.96	448	0.83	85.9			
	20	20.5	0.85	527	0.71	0.85	514	0.71	84.0			
	30	30	0.65	532	0.49	0.56	460	0.43	75.8			
	40	40	0.57	599	0.42	0.50	527	0.37	72.9			
	50	50	0.44	568	0.32	Thermal Equals Mechanical			71.7			
	60	60	0.31	457	0.21				68.3			
	80	80	0.26	488	0.17				65.1			
	100	100	0.21	460	0.13				60.8			
206	5	5.25	3.62	640	3.38	3.04	538	2.84	93.5	700	750	17
	10	10	2.47	799	2.22	1.94	627	1.74	89.8			
	15	15	1.80	850	1.57	1.57	741	1.37	87.4			
	20	20.5	1.48	907	1.23	1.16	713	0.97	83.0			
	30	30	0.95	802	0.74	0.90	762	0.71	78.1			
	40	40	0.76	774	0.54	0.67	687	0.48	70.7			
	50	50	0.60	771	0.43	Thermal Equals Mechanical			71.4			
	60	60	0.52	777	0.36				69.2			
	80	80	0.39	706	0.24				62.8			
	100	100	0.33	698	0.19				58.7			
237	5	5.25	4.32	767	4.06	3.91	693	3.67	93.9	900	900	17
	10	10	3.23	1055	2.93	2.56	837	2.32	90.7			
	15	15	2.36	1108	2.05	1.82	854	1.58	86.9			
	20	20.5	2.01	1243	1.68	1.47	910	1.23	83.8			
	30	30	1.33	1105	1.02	1.03	857	0.79	76.9			
	40	40	1.07	1156	0.80	0.95	1029	0.71	75.0			
	50	50	0.87	1111	0.62	0.82	1045	0.58	70.9			
	60	60	0.71	1008	0.47	0.69	986	0.46	65.7			
	80	80	0.48	871	0.30	Thermal Equals Mechanical			63.0			
	100	100	0.37	767	0.21				57.6			
262	5	5.25	5.24	933	4.94	5.17	920	4.87	94.2	1000	1000	17
	10	10	3.96	1301	3.61	3.41	1119	3.11	91.2			
	15	15	2.96	1415	2.62	2.61	1246	2.31	88.5			
	20	20.5	2.36	1472	1.99	1.93	1206	1.63	84.5			
	30	30	1.68	1446	1.34	1.48	1271	1.18	79.7			
	40	40	1.33	1454	1.01	1.24	1360	0.94	75.9			
	50	50	1.08	1423	0.79	Thermal Equals Mechanical			73.2			
	60	60	0.89	1279	0.59				66.5			
	80	80	0.62	1159	0.40				64.9			
	100	100	0.46	961	0.27				58.0			
325	5	5.25	9.72	1740	9.20	8.14	1458	7.71	94.7	1200	1100	15
	10	10	6.60	2184	6.07	5.33	1763	4.90	91.9			
	15	15	4.94	2380	4.41	4.00	1925	3.56	89.2			
	20	20.5	3.93	2530	3.43	3.37	2170	2.94	87.2			
	30	30	2.84	2476	2.29	2.24	1949	1.80	80.7			
	40	40	2.22	2523	1.75	2.04	2324	1.61	78.9			
	50	50	1.80	2434	1.35	1.73	2343	1.30	75.1			
	60	60	1.49	2286	1.06	Thermal Equals Mechanical			71.0			
	80	80	0.94	1760	0.61				65.0			
	100	100	0.71	1611	0.45				63.0			

* Thermal limit ratings - max. input HP at 20°C ambient temperature with HI Food Grade 460 lubricant

Dimensions



All listed dimensions in inches												
Box Size	NEMA Frame	A	AB	AC	B	BB	BD	BE	CC	F	HL	LL
175	56C	7.05	4.04	5.06	5.7	2.85	3.57	2.75	1.75	4.19	1.94	2.06
206	56C	7.72	4.37	5.75	6.44	3.22	3.82	2.88	2.06	5	2.03	2.28
237	56C	8.41	4.69	6.38	6.44	3.22	4.06	2.88	2.38	5	2.06	2.5
	145TC	8.41	4.69	6.38	6.44	3.22	4.06	2.88	2.38	5	2.06	2.5
262	56C	9.16	5.06	7.17	6.88	3.44	4.69	3.37	2.62	6.37	2.44	2.94
	145TC	9.16	5.06	7.17	6.88	3.44	4.69	3.37	2.62	6.37	2.44	2.94
325	56C	11.17	6.06	9.02	8.62	4.31	5.75	4	3.25	7.5	2.63	3.5
	145TC	11.17	6.06	9.02	8.62	4.31	5.75	4	3.25	7.5	2.63	3.5

Box Size	NEMA Frame	Z	INPUT BORE (inches)			OUTPUT BORE (inches)			FLANGE (inches)			
			U	T	V	S	W	Y	LA	LB	LE	LZ
175	56C	2x4-5/16-18UNCx0.5"	0.625	0.19	0.71	1	0.25	1.11	5.875	4.5	0.16	0.41
206	56C	2x4-3/8-16UNCx0.55"	0.625	0.19	0.71	1.438	0.38	1.54	5.875	4.5	0.16	0.41
237	56C	2x4-3/8-16UNCx0.59"	0.625	0.19	0.71	1.438	0.38	1.54	5.875	4.5	0.16	0.41
	145TC	2x4-3/8-16UNCx0.59"	0.875	0.19	0.96	1.438	0.38	1.54	5.875	4.5	0.16	0.41
262	56C	2x4-3/8-16UNCx1"	0.625	0.19	0.71	1.938	0.5	2.03	5.875	4.5	0.16	0.41
	145TC	2x4-3/8-16UNCx1"	0.875	0.19	0.96	1.938	0.5	2.03	5.875	4.5	0.16	0.41
325	56C	2x4-7/16-14UNCx0.86"	0.625	0.19	0.71	2.188	0.5	2.29	5.875	4.5	0.16	0.41
	145TC	2x4-7/16-14UNCx0.86"	0.875	0.19	0.96	2.188	0.5	2.29	5.875	4.5	0.16	0.41

Dimensions shown in this catalog are for general use only.
For an exact drawing on a specific rating, please contact our sales office.

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Accessories & Parts

Output Covers

- Stainless Steel output covers.
- Sizes available for 1.75" through 3.25" center distances.



Reducer Size CD (in.)	Model Number	Engineering Make-up	List Price
1.75	SSHdR175-H-OPC	Non Toxic -PP	$9.38
2.06	SSHdR206-H-OPC	Non Toxic -PP	$9.38
2.37	SSHdR237-H-OPC	Non Toxic -PP	$9.38
2.62	SSHdR262-H-OPC	Non Toxic -PP	$9.38
3.25	SSHdR325-H-OPC	Non Toxic -PP	$9.38

Stainless Steel Bushing Kits

- Stainless Steel Bushing Kits include sizing inserts, keys and set screws.
- Sizes available for 1.75" through 3.25" center distances.
- Stainless Steel Bushing Kits are not suitable for cast iron gear reducers.
Please see page 39 for cast iron bushing kits.



Reducer Size CD (in.)	Output Bore Size	Model Number	Outer Diameter O.D. (in.)	Inner Diameter I.D. (in.)	List Price
1.75	1"	SSB1.58	1"	5/8"	$117.38
	1"	SSB1.1116	1"	11/16"	$117.38
	1"	SSB1.34	1"	3/4"	$117.38
	1"	SSB1.78	1"	7/8"	$117.38
	1"	NOT REQUIRED	1"	1"	
2.06	1-7/16"	SSB1716.1	1-7/16"	1"	$148.62
	1-7/16"	SSB1716.1.18	1-7/16"	1-1/8"	$148.62
	1-7/16"	SSB1716.1.316	1-7/16"	1-3/16"	$148.62
	1-7/16"	SSB1716.1.14	1-7/16"	1-1/4"	$148.62
	1-7/16"	NOT REQUIRED	1-7/16"	1-7/16"	
2.37	1-7/16"	SSB1716.1	1-7/16"	1"	$148.62
	1-7/16"	SSB1716.1.18	1-7/16"	1-1/8"	$148.62
	1-7/16"	SSB1716.1.316	1-7/16"	1-3/16"	$148.62
	1-7/16"	SSB1716.1.14	1-7/16"	1-1/4"	$148.62
	1-7/16"	NOT REQUIRED	1-7/16"	1-7/16"	
2.62	1-15/16"	SSB11516.1	1-15/16"	1"	$186.07
	1-15/16"	SSB11516.1.18	1-15/16"	1-1/8"	$186.07
	1-15/16"	SSB11516.1.316	1-15/16"	1-3/16"	$186.07
	1-15/16"	SSB11516.1.14	1-15/16"	1-1/4"	$186.07
	1-15/16"	SSB11516.1.716	1-15/16"	1-7/16"	$186.07
	1-15/16"	SSB11516.1.12	1-15/16"	1-1/2"	$177.21
	1-15/16"	NOT REQUIRED	1-15/16"	1-15/16"	
3.25	2-3/16"	SSB2316.1.14	2-3/16"	1-1/4"	$212.30
	2-3/16"	SSB2316.1.716	2-3/16"	1-7/16"	$212.30
	2-3/16"	SSB2316.1.12	2-3/16"	1-1/2"	$212.30
	2-3/16"	SSB2316.1.58	2-3/16"	1-5/8"	$212.30
	2-3/16"	SSB2316.1.1116	2-3/16"	1-11/16"	$212.30
	2-3/16"	SSB2316.1.34	2-3/16"	1-3/4"	$212.30
	2-3/16"	SSB2316.1.1516	2-3/16"	1-15/16"	$212.30
	2-3/16"	SSB2316.2	2-3/16"	2"	$212.30
	2-3/16"	NOT REQUIRED	2-3/16"	2-3/16"	---

Accessories & Parts (Continued...)

SSHdR Output Flanges



Model Number	Description	List Price
SSHdR175-SCF	OUTPUT FLANGE SSHdR175	$299.51
SSHdR206-SCF	OUTPUT FLANGE SSHdR206	$419.71
SSHdR237-SCF	OUTPUT FLANGE SSHdR237	$479.82
SSHdR262-SCF	OUTPUT FLANGE SSHdR262	$539.92

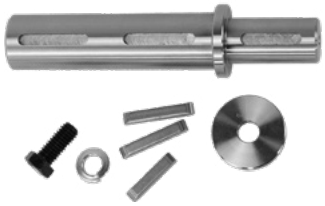
Hollow Output Shaft Oil Seals

– Tapered seals sold in quantities of two.

Unit Size	Max. Bore Size	Bearing #	Model Number	List Price
SSHdR175-H	1"	32008	SSHdR-PSS040062083	$21.67
SSHdR206-H	1-7/16"	32010	SSHdR-PSS050068083	$25.00
SSHdR237-H	1-7/16"	32010	SSHdR-PSS050072123	$28.34
SSHdR262-H	1-15/16"	32013	SSHdR-PSS065088123	$37.25
SSHdR325-H	2-3/16"	32015	SSHdR-PSS075100133	$47.27

Single Output Shafts

– Kit includes single output shaft, keys, endplate and bolt.



Box Size	Shaft Diameter (in.)	Shaft Length (in.)	Model Number	List Price
175	0.875	1.781	SSHdR175-OPS-S	$118.64
206	1	2.090	SSHdR206-OPS-S	$126.13
237	1.125	2.370	SSHdR237-OPS-S	$161.09
262	1.125	2.626	SSHdR262-OPS-S-1.125	$179.83
262	1.25	2.626	SSHdR262-OPS-S	$179.83
325	1.375	3.250	SSHdR325-OPS-S-1.375	$256.01
325	1.5	3.250	SSHdR325-OPS-S	$256.01

– Kit includes double output shaft, keys, retaining rings and C-clips.



Box Size	Shaft Diameter (in.)	Shaft Length (in.)	Model Number	List Price
175	0.875	1.781	SSHdR175-OPS-DS	$166.09
206	1	2.090	SSHdR206-OPS-DS	$178.58
237	1.125	2.370	SSHdR237-OPS-DS	$223.53
262	1.125	2.626	SSHdR262-OPS-DS-1.125	$246.03
262	1.25	2.626	SSHdR262-OPS-DS	$246.03
325	1.375	3.250	SSHdR325-OPS-DS-1.375	$350.90
325	1.5	3.250	SSHdR325-OPS-DS	$350.90

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CALM Series NEMA
Aluminum

Product Specifications & Order Codes

- 7.5:1 - 100:1 ratios
- Box sizes (Center distances 30 mm - 90 mm)
- Aluminum alloy housing for light weight design
- Hardened worm shaft for increased durability
- Two bearings on input and output shafts
- NEMA motor input flanges
- All units filled with synthetic oil (Mobil SHC632) for an "M1" position mounting
- Adjust oil level for alternative mounting positions
- Double lip oil seals prevent leakage
- Multiple mounting holes for all angle mounts
- Powder coat paint plan on external housing to resist corrosion
- Hollow output bores with plug-in output shafts
- 1 year warranty



Ratio	Output RPM @ 1750 RPM Input	WCD Center (mm)	HP	NEMA Motor Frame	Approx. Wt. (lbs.)	Model Number	List Price
7.5:1	233	30	0.70	56C	3	CALM30-7.5/1-56C	$206.33
		40	1.50	56C	5	CALM40-7.5/1-56C	$253.54
		50	2.72	56C	8	CALM50-7.5/1-56C	$349.95
		63	4.46	56C	13	CALM63-7.5/1-56C	$453.12
		63	4.46	145TC	13	CALM63-7.5/1-145TC	$453.12
		75	6.44	56C	19	CALM75-7.5/1-56C	$655.59
		75	6.44	145TC	19	CALM75-7.5/1-145TC	$655.59
		75	6.44	182/4TC	19	CALM75-7.5/1-182/4TC	$655.59
		90	10.98	56C	28	CALM90-7.5/1-56C	$750.05
		90	10.98	145TC	28	CALM90-7.5/1-145TC	$750.05
		90	10.98	182/4TC	28	CALM90-7.5/1-182/4TC	$750.05
10:1	175	30	0.54	56C	3	CALM30-10/1-56C	$206.33
		40	1.21	56C	5	CALM40-10/1-56C	$253.54
		50	2.12	56C	8	CALM50-10/1-56C	$349.95
		63	3.52	56C	13	CALM63-10/1-56C	$453.12
		63	3.52	145TC	13	CALM63-10/1-145TC	$453.12
		75	5.20	56C	19	CALM75-10/1-56C	$655.59
		75	5.20	145TC	19	CALM75-10/1-145TC	$655.59
		75	5.20	182/4TC	19	CALM75-10/1-182/4TC	$655.59
		90	8.92	56C	28	CALM90-10/1-56C	$750.05
		90	8.92	145TC	28	CALM90-10/1-145TC	$750.05
		90	8.92	182/4TC	28	CALM90-10/1-182/4TC	$750.05
15:1	117	30	0.38	56C	3	CALM30-15/1-56C	$206.33
		40	0.83	56C	5	CALM40-15/1-56C	$253.54
		50	1.52	56C	8	CALM50-15/1-56C	$349.95
		63	2.70	56C	13	CALM63-15/1-56C	$453.12
		63	2.70	145TC	13	CALM63-15/1-145TC	$453.12
		75	4.07	56C	19	CALM75-15/1-56C	$655.59
		75	4.07	145TC	19	CALM75-15/1-145TC	$655.59
		75	4.07	182/4TC	19	CALM75-15/1-182/4TC	$655.59
		90	7.05	56C	28	CALM90-15/1-56C	$750.05
		90	7.05	145TC	28	CALM90-15/1-145TC	$750.05
		90	7.05	182/4TC	28	CALM90-15/1-182/4TC	$750.05
20:1	88	30	0.28	56C	3	CALM30-20/1-56C	$206.33
		40	0.63	56C	5	CALM40-20/1-56C	$253.54
		50	1.14	56C	8	CALM50-20/1-56C	$349.95
		63	2.06	56C	13	CALM63-20/1-56C	$453.12
		63	2.06	145TC	13	CALM63-20/1-145TC	$453.12

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CALM Series | NEMA (Continued...)

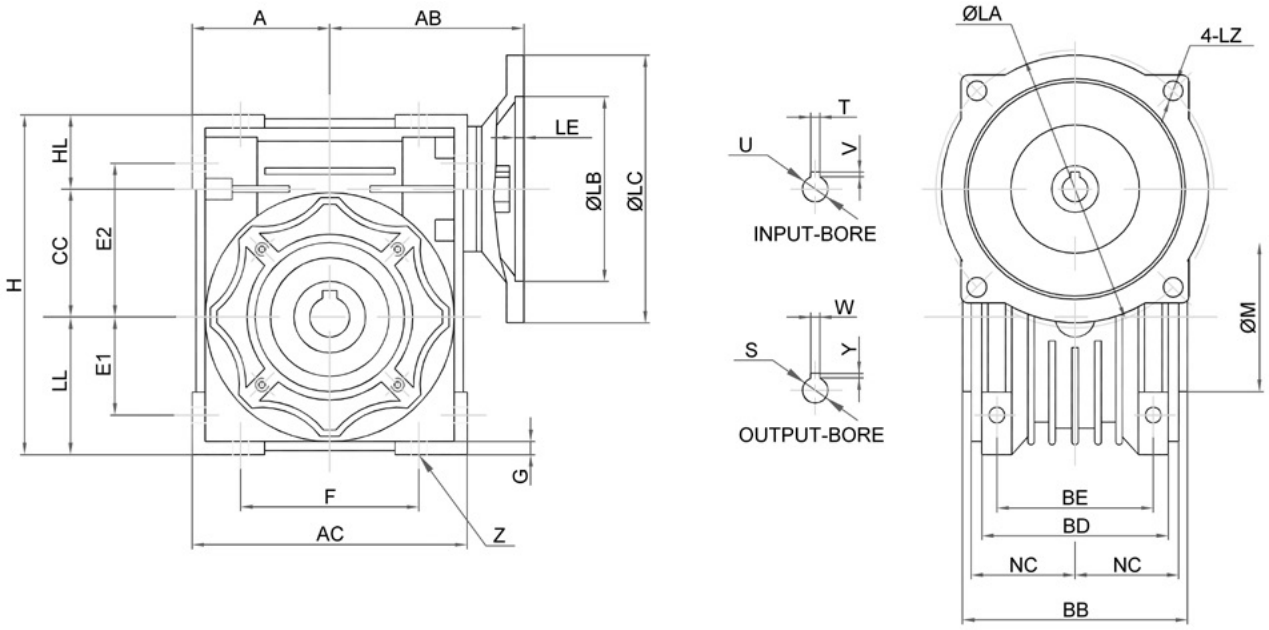
Ratio	Output RPM @ 1800 RPM Input	WCD Center (mm)	HP	NEMA Motor Frame	Approx. Wt. (lbs.)	Model Number	List Price
		75	3.24	56C	19	CALM75-20/1-56C	$655.59
		75	3.24	145TC	19	CALM75-20/1-145TC	$655.59
20:1	88	90	5.33	56C	28	CALM90-20/1-56C	$750.05
		90	5.33	145TC	28	CALM90-20/1-145TC	$750.05
		90	5.33	182/4TC	28	CALM90-20/1-182/4TC	$750.05
		30	0.30	56C	3	CALM30-25/1-56C	$206.33
		40	0.48	56C	5	CALM40-25/1-56C	$253.54
		50	0.86	56C	8	CALM50-25/1-56C	$349.95
		63	1.56	56C	13	CALM63-25/1-56C	$453.12
25:1	70	75	2.43	56C	19	CALM75-25/1-56C	$655.59
		75	2.43	145TC	19	CALM75-25/1-145TC	$655.59
		90	4.18	56C	28	CALM90-25/1-56C	$750.05
		90	4.18	145TC	28	CALM90-25/1-145TC	$750.05
		90	4.18	182/4TC	28	CALM90-25/1-182/4TC	$750.05
		30	0.25	56C	3	CALM30-30/1-56C	$206.33
		40	0.53	56C	5	CALM40-30/1-56C	$253.54
		50	0.94	56C	8	CALM50-30/1-56C	$349.95
		63	1.64	56C	13	CALM63-30/1-56C	$453.12
30:1	58	75	2.41	56C	19	CALM75-30/1-56C	$655.59
		75	2.41	145TC	19	CALM75-30/1-145TC	$655.59
		90	4.21	56C	28	CALM90-30/1-56C	$750.05
		90	4.21	145TC	28	CALM90-30/1-145TC	$750.05
		90	4.21	182/4TC	28	CALM90-30/1-182/4TC	$750.05
		30	0.19	56C	3	CALM30-40/1-56C	$206.33
		40	0.40	56C	5	CALM40-40/1-56C	$253.54
		50	0.70	56C	8	CALM50-40/1-56C	$349.95
40:1	44	63	1.21	56C	13	CALM63-40/1-56C	$453.12
		75	1.90	56C	19	CALM75-40/1-56C	$655.59
		90	3.01	56C	28	CALM90-40/1-56C	$750.05
		90	3.01	145TC	28	CALM90-40/1-145TC	$750.05
		30	0.15	56C	3	CALM30-50/1-56C	$206.33
		40	0.31	56C	5	CALM40-50/1-56C	$253.54
		50	0.56	56C	8	CALM50-50/1-56C	$349.95
50:1	35	63	0.99	56C	13	CALM63-50/1-56C	$453.12
		75	1.47	56C	19	CALM75-50/1-56C	$655.59
		90	2.36	56C	28	CALM90-50/1-56C	$750.05
		90	2.36	145TC	28	CALM90-50/1-145TC	$750.05
		30	0.12	56C	3	CALM30-60/1-56C	$206.33
		40	0.25	56C	5	CALM40-60/1-56C	$253.54
		50	0.47	56C	8	CALM50-60/1-56C	$349.95
60:1	29	63	0.82	56C	13	CALM63-60/1-56C	$453.12
		75	1.22	56C	19	CALM75-60/1-56C	$655.59
		90	1.93	56C	28	CALM90-60/1-56C	$750.05
		40	0.18	56C	5	CALM40-80/1-56C	$253.54
		50	0.35	56C	8	CALM50-80/1-56C	$349.95
80:1	22	63	0.60	56C	13	CALM63-80/1-56C	$453.12
		75	0.91	56C	19	CALM75-80/1-56C	$655.59
		90	1.27	56C	28	CALM90-80/1-56C	$750.05
		40	0.14	56C	5	CALM40-100/1-56C	$253.54
		50	0.26	56C	8	CALM50-100/1-56C	$349.95
100:1	17.5	63	0.51	56C	13	CALM63-100/1-56C	$453.12
		75	0.74	56C	19	CALM75-100/1-56C	$655.59
		90	1.03	56C	28	CALM90-100/1-56C	$750.05

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NEMA | Mechanical Ratings

Input Speed		1750 RPM							
		Mechanical (1.0 SF)						Backlash (Angular Minutes) (')	
Box Size	Ratio	Input HP	Output Torque (lbs. in.)	Output Speed	Efficiency (%)	O.H.L. (lbs.)	Output Shaft Thrust Load (lbs.)	Min	Max
30	7.5:1	0.70	160	233	85	143	29	13.8	28.8
	10:1	0.54	160	175	83	157	31	13.8	28.8
	15:1	0.38	160	117	78	180	36	13.8	28.8
	20:1	0.28	151	88	74	198	40	13.2	28.2
	25:1	0.30	185	70	69	213	43	13.2	27.0
	30:1	0.25	177	58	66	226	45	13.8	28.8
	40:1	0.19	160	44	60	249	50	13.2	28.2
	50:1	0.15	151	35	56	268	54	13.2	27.0
	60:1	0.12	134	29	52	285	57	12.6	25.8
40	7.5:1	1.50	353	233	87	274	55	11.4	24.0
	10:1	1.21	370	175	85	302	60	11.4	24.0
	15:1	0.83	370	117	83	346	69	11.4	24.0
	20:1	0.63	361	88	79	381	76	11.4	24.0
	25:1	0.48	328	70	76	410	82	10.8	21.0
	30:1	0.53	403	58	71	436	87	11.4	24.0
	40:1	0.40	378	44	66	479	96	11.4	24.0
	50:1	0.31	353	35	63	517	103	10.8	21.0
	60:1	0.25	319	29	59	549	110	11.4	21.6
	80:1	0.18	277	22	53	604	121	11.4	21.6
	100:1	0.14	244	18	48	651	130	11.4	21.6
50	7.5:1	2.72	647	233	88	377	75	8.4	19.2
	10:1	2.12	664	175	87	415	83	8.4	19.2
	15:1	1.52	681	117	83	475	95	8.4	19.2
	20:1	1.14	656	88	80	522	104	6.6	17.4
	25:1	0.86	597	70	77	563	113	7.2	17.4
	30:1	0.94	740	58	73	598	120	8.4	19.2
	40:1	0.70	689	44	68	658	132	6.6	17.4
	50:1	0.56	647	35	64	709	142	7.2	17.4
	60:1	0.47	605	29	60	753	151	6.6	16.2
	80:1	0.35	546	22	54	829	166	6.6	16.2
	100:1	0.26	462	18	50	893	179	6.6	16.2
63	7.5:1	4.46	1076	233	89	492	98	7.8	17.4
	10:1	3.52	1108	175	87	542	108	7.8	17.4
	15:1	2.70	1236	117	85	620	124	7.8	17.4
	20:1	2.06	1225	88	83	683	137	6.6	16.2
	25:1	1.56	1124	70	80	736	147	6.6	13.8
	30:1	1.64	1345	58	76	782	156	7.8	17.4
	40:1	1.21	1261	44	72	860	172	6.6	16.2
	50:1	0.99	1208	35	68	927	185	6.6	13.8
	60:1	0.82	1135	29	64	985	197	6.0	13.8
	80:1	0.60	1027	22	59	1084	217	6.0	13.8
	100:1	0.51	992	18	54	1168	234	6.0	13.8
75	7.5:1	6.44	1555	233	89	581	116	7.8	16.2
	10:1	5.20	1656	175	88	640	128	7.8	16.2
	15:1	4.07	1900	117	86	732	146	7.8	16.2
	20:1	3.24	1953	88	84	806	161	6.6	14.4
	25:1	2.43	1784	70	82	868	174	6.6	13.2
	30:1	2.41	2028	58	78	923	185	7.8	16.2
	40:1	1.90	2029	44	74	1015	203	6.6	14.4
	50:1	1.47	1881	35	71	1094	219	6.6	13.2
	60:1	1.22	1778	29	67	1162	232	6.0	12.6
	80:1	0.91	1632	22	62	1279	256	6.0	12.6
	100:1	0.74	1517	18	57	1378	276	6.0	12.6
90	7.5:1	10.98	2682	233	90	643	129	7.2	14.4
	10:1	8.92	2867	175	89	708	142	7.2	14.4
	15:1	7.05	3330	117	87	810	162	7.2	14.4
	20:1	5.33	3288	88	86	892	178	6.6	12.0
	25:1	4.18	3145	70	84	961	192	6.0	11.4
	30:1	4.21	3632	58	80	1021	204	7.2	14.4
	40:1	3.01	3330	44	77	1123	225	6.6	12.0
	50:1	2.36	3145	35	74	1210	242	6.0	11.4
	60:1	1.93	2960	29	71	1286	257	5.4	10.8
	80:1	1.27	2397	22	65	1416	283	5.4	10.8
	100:1	1.03	2271	18	61	1525	305	5.4	10.8

NEMA | Dimensions



All listed dimensions in millimeters

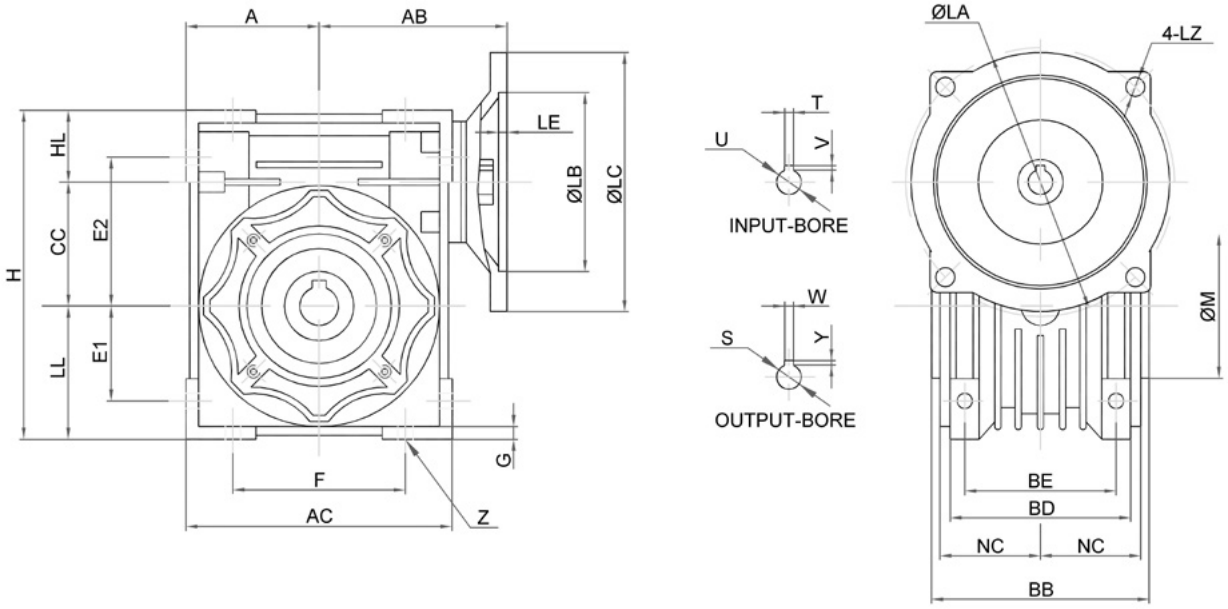
Box Size	NEMA Frame	A	AB	AC	BB	BD	BE	CC	E1	E2	F	G	H	HL	LL	M
30	56C	40	70	80	63	56	44	30	27	44	54	5.5	97	27	40	55
40	56C	50	86	101	78	71	60	40	35	55	70	6.6	121	31.5	50	60
50	56C	60	94	121	92	85	70	50	40	64	80	7	144	34	60	70
63	56C	72	105	146	112	103	85	63	50	80	100	8	174	39	72	80
	145TC	72	105	146	112	103	85	63	50	80	100	8	174	39	72	80
75	56C	86	126	174	120	112	90	75	60	93	120	10	205	45	86	95
	145TC	86	126	174	120	112	90	75	60	93	120	10	205	45	86	95
	182/4TC	86	126	174	120	112	90	75	60	93	120	10	205	45	86	95
90	56C	103	143	208	140	130	100	90	70	102	140	11	238	45	103	110
	145TC	103	143	208	140	130	100	90	70	102	140	11	238	45	103	110
	182/4TC	103	143	208	140	130	100	90	70	102	140	11	238	45	103	110

Box Size	NEMA Frame	NC	Z	INPUT BORE (inches)		OUTPUT BORE (inches)		FLANGE (inches)				
				U	T x V	S	W x Y	LA	LB	LC	LE	LZ
30	56C	29	6.5	0.625	3⁄16 x 3⁄32	0.625	3⁄16 x 3⁄32	5.875	4.5	5.787	0.177	0.413
40	56C	36.5	6.5	0.625	3⁄16 x 3⁄32	0.75	3⁄16 x 3⁄32	5.875	4.5	5.787	0.157	0.413
50	56C	43.5	8.4	0.625	3⁄16 x 3⁄32	1	1⁄4 x 7⁄64	5.875	4.5	5.787	0.157	0.413
63	56C	53	8.5	0.625	3⁄16 x 3⁄32	1.125	1⁄4 x 1⁄8	5.875	4.5	5.787	0.177	0.413
	145TC	53	8.5	0.875	3⁄16 x 3⁄32	1.125	1⁄4 x 1⁄8	5.875	4.5	5.787	0.177	0.413
75	56C	57	11	0.625	3⁄16 x 3⁄32	1.25	1⁄4 x 1⁄8	5.875	4.5	5.787	0.157	0.413
	145TC	57	11	0.875	3⁄16 x 3⁄32	1.25	1⁄4 x 1⁄8	5.875	4.5	5.787	0.157	0.413
	182/4TC	57	11	1.125	1⁄4 x 1⁄8	1.25	1⁄4 x 1⁄8	7.25	8.5	9	0.217	0.413
90	56C	67	13	0.625	3⁄16 x 3⁄32	1.375	5⁄16 x 9⁄64	5.875	4.5	5.787	0.157	0.413
	145TC	67	13	0.875	3⁄16 x 3⁄32	1.375	5⁄16 x 9⁄64	5.875	4.5	5.787	0.157	0.413
	182/4TC	67	13	1.125	1⁄4 x 1⁄8	1.375	5⁄16 x 9⁄64	7.25	8.5	9	0.217	0.413

Dimensions shown in this catalog are for general use only.
For an exact drawing on a specific rating, please contact our sales office.

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NEMA | Competitor Dimensional Comparison - Motovario



All listed dimensions in millimeters																
Box Size	NEMA Frame	A	AB	AC	BB	BD	BE	CC	E1	E2	F	G	H	HL	LL	M
30	56C	40	67	80	63	56	44	30	27	44	54	5.5	97	27	40	55
40	56C	50	80	100	78	71	60	40	35	55	70	6.5	121.5	31.5	50	60
50	56C	60	90	120	92	85	70	50	40	64	80	7	144	34	60	70
63	56C	72	122	144	112	103	85	63	50	80	100	8	179	44	72	80
	145TC	72	122	144	112	103	85	63	50	80	100	8	179	44	72	80
75	56C	89	140	178	120	112	90	75	60	93	120	10	209	48	86	95
	145TC	89	140	178	120	112	90	75	60	93	120	10	209	48	86	95
	182/4TC	89	150	178	120	112	90	75	60	93	120	10	209	48	86	95
90	56C	103	158	206	140	130	100	90	70	102	140	11	247	54	103	110
	145TC	103	158	206	140	130	100	90	70	102	140	11	247	54	103	110
	182/4TC	103	168	206	140	130	100	90	70	102	140	11	247	54	103	110

Box Size	NEMA Frame	NC	Z	INPUT BORE (inches)		OUTPUT BORE (inches)		FLANGE (inches)				
				U	T x V	S	W x Y	LA	LB	LC	LE	LZ
30	56C	29	6.5	0.625	3⁄16 x 3⁄32	0.625	3⁄16 x 3⁄32	5.875	3	5.625	NL	0.413
40	56C	36.5	6.5	0.625	3⁄16 x 3⁄32	0.75	3⁄16 x 3⁄32	5.875	4.5	6.5	NL	0.413
50	56C	43.5	8.4	0.625	3⁄16 x 3⁄32	1	1⁄4 x 7⁄64	5.875	4.5	6.5	NL	0.413
63	56C	53	8.5	0.625	3⁄16 x 3⁄32	1.125	1⁄4 x 1⁄8	5.875	4.5	6.5	NL	0.413
	145TC	53	8.5	0.875	3⁄16 x 3⁄32	1.125	1⁄4 x 1⁄8	5.875	4.5	6.5	NL	0.413
75	56C	57	11	0.625	3⁄16 x 3⁄32	1.25	1⁄4 x 1⁄8	5.875	4.5	6.5	NL	0.413
	145TC	57	11	0.875	3⁄16 x 3⁄32	1.25	1⁄4 x 1⁄8	5.875	4.5	6.5	NL	0.413
	182/4TC	57	11	1.125	1⁄4 x 1⁄8	1.25	1⁄4 x 1⁄8	7.25	8.5	9	NL	0.413
90	56C	67	13	0.625	3⁄16 x 3⁄32	1.375	5⁄16 x 9⁄64	5.875	4.5	6.5	NL	0.413
	145TC	67	13	0.875	3⁄16 x 3⁄32	1.375	5⁄16 x 9⁄64	5.875	4.5	6.5	NL	0.413
	182/4TC	67	13	1.125	1⁄4 x 1⁄8	1.375	5⁄16 x 9⁄64	7.25	8.5	9	NL	0.413

Motovario® dimensional data was derived from their Catalog _VSF_Nema_WEB_3012012111322.
Blue shaded cells indicate a dimensional difference. NL denotes ratings not listed.
All dimensions are in millimeters unless denoted in inches.

CALM Series | IEC
Aluminum

Product Specifications & Order Codes

- 7.5:1 - 100:1 ratios
- Box sizes (Center distances 30 mm - 90 mm)
- Aluminum alloy housing for light weight design
- Hardened worm shaft for increased durability
- Two bearings on input and output shafts
- IEC motor input flangesQ
- All units filled with synthetic oil (Mobil SHC632) for an “M1” position mounting
- Adjust oil level for alternative mounting positions
- Double lip oil seals prevent leakage
- Multiple mounting holes for all angle mounts
- Powder coat paint plan on external housing to resist corrosion
- Hollow output bores with plug-in output shafts
- 1 year warranty



Ratio	Output RPM @ 1750 RPM Input	WCD Center (mm)	HP	IEC Motor Frame	Approx. Wt. (lbs.)	Model Number	List Price
7.5:1	233	30	0.70	63B14	3	CALM30-7.5/1-63B14	$206.33
		40	1.50	63B14	5	CALM40-7.5/1-63B14	$253.54
		40	1.50	71B14	5	CALM40-7.5/1-71B14	$253.54
		50	2.72	71B14	8	CALM50-7.5/1-71B14	$349.95
		50	2.72	80B14	8	CALM50-7.5/1-80B14	$349.95
		63	4.46	80B14	13	CALM63-7.5/1-80B14	$453.12
		63	4.46	90B14	13	CALM63-7.5/1-90B14	$453.12
		75	6.44	90B14	19	CALM75-7.5/1-90B14	$655.59
		75	6.44	100B14	19	CALM75-7.5/1-100B14	$655.59
		75	6.44	112B14	19	CALM75-7.5/1-112B14	$655.59
		90	10.98	112B14	28	CALM90-7.5/1-112B14	$750.05
		90	10.98	100B14	28	CALM90-7.5/1-100B14	$750.05
		90	10.98	90B14	28	CALM90-7.5/1-90B14	$750.05
10:1	175	30	0.54	63B14	3	CALM30-10/1-63B14	$206.33
		40	1.21	71B14	5	CALM40-10/1-71B14	$253.54
		40	1.21	63B14	5	CALM40-10/1-63B14	$253.54
		50	2.12	71B14	8	CALM50-10/1-71B14	$349.95
		50	2.12	80B14	8	CALM50-10/1-80B14	$349.95
		63	3.52	80B14	13	CALM63-10/1-80B14	$453.12
		63	3.52	90B14	13	CALM63-10/1-90B14	$453.12
		75	5.20	90B14	19	CALM75-10/1-90B14	$655.59
		75	5.20	100B14	19	CALM75-10/1-100B14	$655.59
		75	5.20	112B14	19	CALM75-10/1-112B14	$655.59
		90	8.92	112B14	28	CALM90-10/1-112B14	$750.05
		90	8.92	100B14	28	CALM90-10/1-100B14	$750.05
		90	8.92	90B14	28	CALM90-10/1-90B14	$750.05
15:1	117	30	0.38	63B14	3	CALM30-15/1-63B14	$206.33
		40	0.83	71B14	5	CALM40-15/1-71B14	$253.54
		40	0.83	63B14	5	CALM40-15/1-63B14	$253.54
		50	1.52	71B14	8	CALM50-15/1-71B14	$349.95
		50	1.52	80B14	8	CALM50-15/1-80B14	$349.95
		63	2.70	80B14	13	CALM63-15/1-80B14	$453.12
		63	2.70	90B14	13	CALM63-15/1-90B14	$453.12
		75	4.07	90B14	19	CALM75-15/1-90B14	$655.59
		75	4.07	100B14	19	CALM75-15/1-100B14	$655.59
		75	4.07	112B14	19	CALM75-15/1-112B14	$655.59
		90	7.05	112B14	28	CALM90-15/1-112B14	$750.05
		90	7.05	100B14	28	CALM90-15/1-100B14	$750.05
		90	7.05	90B14	28	CALM90-15/1-90B14	$750.05
20:1	88	30	0.28	63B14	3	CALM30-20/1-63B14	$206.33
		40	0.63	71B14	5	CALM40-20/1-71B14	$253.54
		40	0.63	63B14	5	CALM40-20/1-63B14	$253.54
		50	1.14	71B14	8	CALM50-20/1-71B14	$349.95
		50	1.14	80B14	8	CALM50-20/1-80B14	$349.95
		63	2.06	80B14	13	CALM63-20/1-80B14	$453.12
		63	2.06	90B14	13	CALM63-20/1-90B14	$453.12

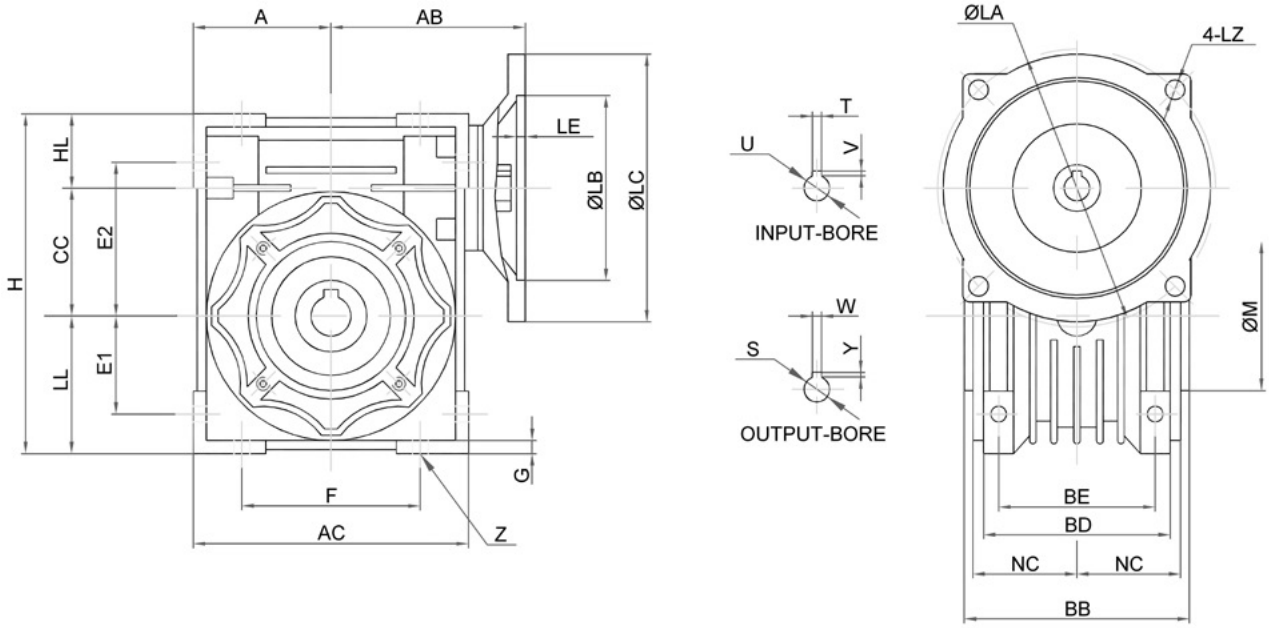
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CALM Series | IEC (Continued...)

Ratio	Output RPM @ 1800 RPM Input	WCD Center (mm)	HP	IEC Motor Frame	Approx. Wt. (lbs.)	Model Number	List Price
		75	3.24	80B14	19	CALM75-20/1-80B14	$655.59
		75	3.24	90B14	19	CALM75-20/1-90B14	$655.59
20:1	88	90	5.33	112B14	28	CALM90-20/1-112B14	$750.05
		90	5.33	100B14	28	CALM90-20/1-100B14	$750.05
		90	5.33	90B14	28	CALM90-20/1-90B14	$750.05
		30	0.30	63B14	3	CALM30-25/1-63B14	$206.33
		40	0.48	71B14	5	CALM40-25/1-71B14	$253.54
		40	0.48	63B14	5	CALM40-25/1-63B14	$253.54
		50	0.86	71B14	8	CALM50-25/1-71B14	$349.95
		50	0.86	80B14	8	CALM50-25/1-80B14	$349.95
		63	1.56	80B14	13	CALM63-25/1-80B14	$453.12
25:1	70	63	1.56	90B14	13	CALM63-25/1-90B14	$453.12
		75	2.43	80B14	19	CALM75-25/1-80B14	$655.59
		75	2.43	90B14	19	CALM75-25/1-90B14	$655.59
		90	4.18	112B14	28	CALM90-25/1-112B14	$750.05
		90	4.18	100B14	28	CALM90-25/1-100B14	$750.05
		90	4.18	90B14	28	CALM90-25/1-90B14	$750.05
		30	0.25	63B14	3	CALM30-30/1-63B14	$206.33
		40	0.53	71B14	5	CALM40-30/1-71B14	$253.54
		40	0.53	63B14	5	CALM40-30/1-63B14	$253.54
		50	0.94	71B14	8	CALM50-30/1-71B14	$349.95
		50	0.94	80B14	8	CALM50-30/1-80B14	$349.95
		63	1.64	80B14	13	CALM63-30/1-80B14	$453.12
30:1	58	63	1.64	90B14	13	CALM63-30/1-90B14	$453.12
		75	2.41	80B14	19	CALM75-30/1-80B14	$655.59
		75	2.41	90B14	19	CALM75-30/1-90B14	$655.59
		90	4.21	112B14	28	CALM90-30/1-112B14	$750.05
		90	4.21	100B14	28	CALM90-30/1-100B14	$750.05
		90	4.21	90B14	28	CALM90-30/1-90B14	$750.05
		30	0.19	63B14	3	CALM30-40/1-63B14	$206.33
		40	0.40	71B14	5	CALM40-40/1-71B14	$253.54
		50	0.70	71B14	8	CALM50-40/1-71B14	$349.95
		63	1.21	71B14	13	CALM63-40/1-71B14	$453.12
40:1	44	63	1.21	80B14	13	CALM63-40/1-80B14	$453.12
		75	1.90	80B14	19	CALM75-40/1-80B14	$655.59
		75	1.90	90B14	19	CALM75-40/1-90B14	$655.59
		90	3.01	90B14	28	CALM90-40/1-90B14	$750.05
		90	3.01	80B14	28	CALM90-40/1-80B14	$750.05
		30	0.15	63B14	3	CALM30-50/1-63B14	$206.33
		40	0.31	63B14	5	CALM40-50/1-63B14	$253.54
		50	0.56	71B14	8	CALM50-50/1-71B14	$349.95
		63	0.99	71B14	13	CALM63-50/1-71B14	$453.12
50:1	35	63	0.99	80B14	13	CALM63-50/1-80B14	$453.12
		75	1.47	80B14	19	CALM75-50/1-80B14	$655.59
		90	2.36	90B14	28	CALM90-50/1-90B14	$750.05
		90	2.36	80B14	28	CALM90-50/1-80B14	$750.05
		40	0.25	63B14	5	CALM40-60/1-63B14	$253.54
		50	0.47	71B14	8	CALM50-60/1-71B14	$349.95
		63	0.82	71B14	13	CALM63-60/1-71B14	$453.12
60:1	29	63	0.82	80B14	13	CALM63-60/1-80B14	$453.12
		75	1.22	80B14	19	CALM75-60/1-80B14	$655.59
		90	1.93	90B14	28	CALM90-60/1-90B14	$750.05
		40	0.18	63B14	5	CALM40-80/1-63B14	$253.54
		50	0.35	71B14	8	CALM50-80/1-71B14	$349.95
80:1	22	63	0.60	71B14	13	CALM63-80/1-71B14	$453.12
		63	0.60	80B14	13	CALM63-80/1-80B14	$453.12
		75	0.91	80B14	19	CALM75-80/1-80B14	$655.59
		90	1.27	80B14	28	CALM90-80/1-80B14	$750.05
		40	0.14	63B14	5	CALM40-100/1-63B14	$253.54
		63	0.51	80B14	13	CALM63-100/1-80B14	$453.12
100:1	17.5	63	0.51	71B14	13	CALM63-100/1-71B14	$453.12
		75	0.74	80B14	19	CALM75-100/1-80B14	$655.59
		90	1.03	80B14	28	CALM90-100/1-80B14	$750.05

IEC | Dimensions



All listed dimensions in millimeters

Box Size	IEC Frame	A	AB	AC	BB	BD	BE	CC	E1	E2	F	G	H	HL	LL	M
30	63B14	40	55	81	63	56	44	30	27	44	54	5.5	97	27	40	55
40	63B14	50	86	101	78	71	6	40	35	55	70	6.6	121	31.5	50	60
	711B14	50	86	101	78	71	60	40	35	55	70	6.6	121	31.5	50	60
50	71B14	60	94	121	92	85	70	50	40	64	80	7	144	34	60	70
	80B14	60	94	121	92	85	70	50	40	64	80	7	144	34	60	70
63	80B14	72	105	146	112	103	85	63	50	80	100	8	174	39	72	80
	90B14	72	105	146	112	103	85	63	50	80	100	8	174	39	72	80
75	90B14	86	126	174	120	112	90	75	60	93	120	10	205	45	86	95
	100B14	86	126	174	120	112	90	75	60	93	120	10	205	45	86	95
	112B14	86	126	174	120	112	90	75	60	93	120	10	205	45	86	95
90	90B14	103	143	208	140	130	100	90	70	102	140	11	238	45	103	110
	100B14	103	143	208	140	130	100	90	70	102	140	11	238	45	103	110
	112B14	103	143	208	140	130	100	90	70	102	140	11	238	45	103	110

Box Size	IEC Frame	NC	Z	INPUT BORE (mm)		OUTPUT BORE (mm)		FLANGE (mm)				
				U	T x V	S	W x Y	LA	LB	LC	LE	LZ
30	63B14	29	6.5	11	4 x 1.8	14	5 x 2.3	75	60	90	3	5.5
40	63B14	36.5	6.5	11	4 x 1.8	18	6 x 2.8	75	60	90	4	6
	71B14	36.5	6.5	14	4 x 2.3	18	6 x 2.8	85	70	105	3.5	6.6
50	71B14	43.5	8.4	14	5 x 2.3	25	8 x 3.3	85	70	105	4	6.6
	80B14	43.5	8.4	19	6 x 2.8	25	8 x 3.3	100	80	120	4	6.6
63	80B14	53	8.5	19	6 x 2.8	25	8 x 3.3	100	80	120	3.5	6.6
	90B14	53	8.5	24	8 x 3.3	25	8 x 3.3	115	95	140	3.5	9
75	90B14	57	11	24	8 x 3.3	28	8 x 3.3	115	95	140	3.5	9
	100B14	57	11	28	8 x 3.3	28	8 x 3.3	130	110	160	4	9
	112B14	57	11	28	8 x 3.3	28	8 x 3.3	130	110	160	4	9
90	90B14	67	13	24	8 x 3.3	35	8 x 3.3	115	95	140	3.5	9
	100B14	67	13	28	8 x 3.3	35	8 x 3.3	130	110	160	4	9
	112B14	67	13	28	8 x 3.3	35	8 x 3.3	130	110	160	4	9

Dimensions shown in this catalog are for general use only.
For an exact drawing on a specific rating, please contact our sales office.

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IEC & NEMA Accessories & Parts

Output Flanges



Box Size	Model Number	List Price
30	CALM30-OPF	$26.38
40	CALM40-OPF	$36.94
50	CALM50-OPF	$43.42
63	CALM63-OPF	$50.78
75	CALM75-OPF	$66.31
90	CALM90-OPF	$83.02

Output Flanges are FA style.
FB and FC style output flanges are available for order as non-stock items.

Output Covers



Box Size	Model Number	List Price
30	CALM30-OPC	$10.19
40	CALM40-OPC	$10.19
50	CALM50-OPC	$16.97
63	CALM63-OPC	$16.97
75	CALM75-OPC	$16.97
90	CALM90-OPC	$16.97

Drain Plugs



Box Size	WWE Part Number	Model Number	List Price
30	CALM-DP30-50	PJK10W	$5.09
40	CALM-DP30-50	PJK10W	$5.09
50	CALM-DP30-50	PJK10W	$5.09
63	CALM-DP63-90	PJK16W	$5.09
75	CALM-DP63-90	PJK16W	$5.09
90	CALM-DP63-90	PJK16W	$5.09

Torque Arms



Box Size	Model Number	List Price
30	CALM30-TA	$36.48
40	CALM40-TA	$38.87
50	CALM50-TA	$49.44
63	CALM63-TA	$60.72
75	CALM75-TA	$74.71
90	CALM90-TA	$93.31

Single Output Shafts



Box Size	Shaft Dia. (in.)	Shaft Length (in.)	Model Number	List Price
30	0.625	1.57	CALM30-S	$22.90
40	0.75	1.97	CALM40-S	$26.51
50	1	1.97	CALM50-S	$36.99
63	1.125	2.36	CALM63-S	$42.17
75	1.25	2.76	CALM75-S	$54.22
90	1.375	3.15	CALM90-S	$69.98

Box Size	Shaft Dia. (mm)	Shaft Length (mm)	Model Number	List Price
30	14	30	CALM30-S-IEC	$22.90
40	18	40	CALM40-S-IEC	$26.51
50	25	50	CALM50-S-IEC	$36.99
63	25	50	CALM63-S-IEC	$42.17
75	28	60	CALM75-S-IEC	$54.22
90	35	80	CALM90-S-IEC	$69.98

Double Output Shafts



Box Size	Shaft Dia. (in.)	Shaft Length (in.)	Model Number	List Price
30	0.625	1.57	CALM30-DS	$30.12
40	0.75	1.97	CALM40-DS	$36.15
50	1	1.97	CALM50-DS	$51.88
63	1.125	2.36	CALM63-DS	$60.69
75	1.25	2.76	CALM75-DS	$76.57
90	1.375	3.15	CALM90-DS	$96.98

Box Size	Shaft Dia. (mm)	Shaft Length (mm)	Model Number	List Price
30	14	30	CALM30-DS-IEC	$30.12
40	18	40	CALM40-DS-IEC	$36.15
50	25	50	CALM50-DS-IEC	$51.88
63	25	50	CALM63-DS-IEC	$60.69
75	28	60	CALM75-DS-IEC	$76.57
90	35	80	CALM90-DS-IEC	$96.98

Helical Bevel Gear Reducers

All WorldWide Electric Helical Reducers offer:

- Two-year Warranty
- Pre-assembled and Oil Filled
- Ready to Ship and Install
- Universal compatibility with NEMA C-face motors-simplifies retrofitting with no coupling required
- Drop-in compatibility to most major European brands
- Pre-filled with Mineral oil (Mobil HD320) for M1 mounting position
- Embedded, double-lipped seals on shafts and hubs keep oil in and contaminants out
- All cast iron housing for unquestioned strength and reliability
- A.G.M.A. rated, precision machined gears for quieter operation and superior strength

Helical Gear Reducers deliver a broad range of power and output torque to support a many industrial applications, such as driving belt, screw and chain conveyors, presses, extruders, and gantry cranes and more.



Helical Inline
WINL Series

- Box size: **37 - 107**
- Speed Ratios: **2:1 - 120:1**
- HP Range: **¼ - 50 hp**

Delivering a broad array of output torque and speed, the WINL Series are engineered to support a wide range of applications including fans, pumps, conveyors, material handling equipment, packaging machines, and textile machinery. **Dimensionally equivalent to European R Series brand**.



Parallel Shaft
Helical Bevel
FHN Series

- Ratios: **4:1 – 110:1**
- Box Sizes: **37 - 97**
- HP Range: **¼ - 25 hp**

- Power Lock Box Sizes : **87 – 97**
- Power Lock HP Range: **3/4 - 25 hp**

The FHN series are **dimensionally equivalent to European F Series brand**. A standard NEMA quill input design simplifies retrofitting as it is universally compatible with any C-Face motor. Powerlock options available - provides a secure connection, removes the need for key alignment, reduces seizing, and simplifies installation and removal.





Helical Bevel
KHN & KAN Series

- Box Sizes: **37 - 97**
- Speed Ratio: **5:1 - 120:1**
- HP Range: **¼ - 30 hp**

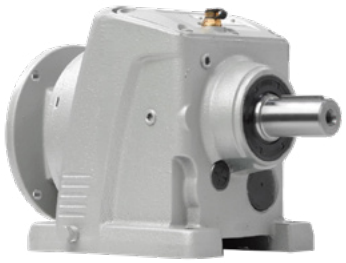
The KHN and KAN Series are **dimensionally equivalent to European K Series brand**. A standard NEMA quill input design simplifies retrofitting as it is universally compatible with any C-Face motor. The KHN Series gear reducer features a foot-mounted design while the KAN Series reducer is available with a torque arm or flange mounted design (B5 or B14).

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WINL Series
Inline Helical

Product Specifications & Order Codes

- 2:1 - 180:1 ratios (other ratios available as custom orders)
- Box sizes 37 - 147
- Horsepower range from 1/4 HP to 100 HP
- Built or high efficiency, high strength and low noise
- ll cast iron housings for increased strength and reliability
- Gears are precision machined for better rotation and quieter operation
- Gearbox flanges are designed to accept NEMA C-face electric motors
- No coupling necessary
- Drop-in for most major European-produced inline reducer brands
- Units filled with HD320 mineral oil for an "M1" mounting position
- Adjust oil level for alternative mounting positions
- 2 year warranty



Box Size	Nominal Ratio	Actual Ratio	Output RPM @ 1800 RPM Input	Input HP	S. C.	Output Torque (lbs. in.)	O.H.L. (lbs.)	Motor Frame	Stages	Approx. Weight (lbs.)	Model Number	List Price
37	5	4.88	359	1.00	III	165	535	56C	2	31	WINL37-5/1-56C	$698.09
	5	4.88	359	2.00	III	330	510	145TC	2	31	WINL37-5/1-145TC	$698.09
	10	10.02	175	1.00	III	335	665	56C	2	31	WINL37-10/1-56C	$698.09
	10	10.02	175	2.00	III	675	620	145TC	2	31	WINL37-10/1-145TC	$698.09
	15	15.75	111	1.00	III	530	755	56C	2	31	WINL37-15/1-56C	$698.09
	15	14.08	124	2.00	II	920	665	145TC	3	31	WINL37-15/1-145TC-3S	$698.09
	20	19.95	88	2.00	I	670	805	56C	2	31	WINL37-20/1-56C	$698.09
	20	19.95	88	1.00	III	1340	715	145TC	2	31	WINL37-20/1-145TC	$698.09
	30	31.02	56	1.00	II	1010	890	56C	3	31	WINL37-30/1-56C	$698.09
	40	40.08	44	1.00	I	1310	935	56C	3	31	WINL37-40/1-56C	$698.09
	50	52.24	34	1.00	I	1710	985	56C	3	31	WINL37-50/1-56C	$698.09
	60	60.84	29	1.00	I	1990	1000	56C	3	31	WINL37-60/1-56C	$698.09
47	5	4.85	361	2.00	III	325	630	145TC	2	50	WINL47-5/1-145TC	$802.80
	5	4.85	361	3.00	III	490	610	182/4TC	2	50	WINL47-5/1-182/4TC	$802.80
	10	11.27	155	3.00	III	1140	770	182/4TC	2	50	WINL47-10/1-182/4TC	$802.80
	15	15.18	115	3.00	II	1530	820	182/4TC	2	50	WINL47-15/1-182/4TC	$802.80
	20	18.37	95	2.00	III	1240	915	145TC	2	50	WINL47-20/1-145TC	$802.80
	20	18.37	95	3.00	I	1860	850	182/4TC	2	50	WINL47-20/1-182/4TC	$802.80
	30	31.83	55	2.00	I	2080	1000	145TC	3	50	WINL47-30/1-145TC	$802.80
	30	31.83	55	3.00	I*	3120	870	182/4TC	3	50	WINL47-30/1-182/4TC	$802.80
	40	41.51	42	1.00	II	1360	1220	56C	3	50	WINL47-40/1-56C	$802.80
	50	52.84	33	1.00	II	1730	1220	56C	3	50	WINL47-50/1-56C	$802.80
	60	63.37	28	1.00	I	2070	1220	56C	3	50	WINL47-60/1-56C	$802.80
RX57	3	3.19	549	2.00	III	220	420	143/5TC	1	44	WINL57-3/1-143/5TC	$698.09
	3	3.19	549	3.00	I	330	400	182TC	1	44	WINL57-3/1-182TC	$698.09
57	5	4.93	355	5.00	III	830	655	182/4TC	2	54	WINL57-5/1-182/4TC	$1,101.45
	10	11.53	152	3.00	III	1170	895	182TC	2	54	WINL57-10/1-182TC	$1,101.45
	15	15.53	113	2.00	III	1050	1030	143/5TC	2	48	WINL57-15/1-143/5TC	$1,101.45
	20	22.81	77	3.00	I	2240	925	182TC	3	57	WINL57-20/1-182TC	$1,101.45
	40	42.48	41	2.00	I	2780	1220	143/5TC	3	48	WINL57-40/1-143/5TC	$1,101.45
	50	54.07	32	2.00	I	3530	1240	143/5TC	3	48	WINL57-50/1-143/5TC	$1,101.45
	60	60.21	29	1.00	III	1970	1560	56C	3	46	WINL57-60/1-56C	$1,101.45
	80	79.65	22	1.00	II	2600	1600	56C	3	46	WINL57-80/1-56C	$1,101.45
	100	101.77	17	1.00	I	3320	1600	56C	3	46	WINL57-100/1-56C	$1,101.45
	130	129.16	14	1.00	I*	4220	1600	56C	3	46	WINL57-130/1-56C	$1,101.45
RX67	2	1.86	942	5.00	II	320	385	182/4TC	1	49	WINL67-2/1-182/4TC	$756.26
	2.5	2.35	745	5.00	III	410	400	182/4TC	1	49	WINL67-2.5/1-182/4TC	$756.26
	3.5	3.52	497	3.00	I	365	490	182TC	1	49	WINL67-3.5/1-182TC	$756.26
67	5	5.23	334	2.00	III	350	955	145TC	2	73	WINL67-5/1-145TC	$1,140.21
	5	5.23	334	5.00	III	880	900	182/4TC	2	73	WINL67-5/1-182/4TC	$1,140.21
	10	9.90	177	5.00	III	1670	1080	182/4TC	2	73	WINL67-10/1-182/4TC	$1,140.21
	15	15.41	114	2.00	III	1040	1330	145TC	2	73	WINL67-15/1-145TC	$1,140.21
	15	15.41	114	3.00	III	1560	1280	182TC	2	73	WINL67-15/1-182TC	$1,140.21
	20	21.33	82	5.00	I	2160	1390	182TC	3	73	WINL67-20/1-182TC	$1,140.21
	30	28.77	61	2.00	III	1880	1560	145TC	3	73	WINL67-30/1-145TC	$1,140.21
	40	41.22	42	2.00	II	2690	1650	145TC	3	73	WINL67-40/1-145TC	$1,140.21
	50	52.21	34	2.00	II	3410	1650	145TC	3	73	WINL67-50/1-145TC	$1,140.21
	60	63.07	28	1.00	III	2060	1650	56C	3	73	WINL67-60/1-56C	$1,140.21
	80	78.59	22	1.00	III	2570	1650	56C	3	73	WINL67-80/1-56C	$1,140.21
	100	98.69	18	1.00	II	3220	1650	56C	3	73	WINL67-100/1-56C	$1,140.21
	120	125.28	14	1.00	I	4090	1650	56C	3	73	WINL67-120/1-56C	$1,140.21

Service Class I (S.F.=1.0) Service Class II (S.F.=1.5) Service Class III (S.F.=2.0) * Service Class < 1

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WINL Series (Continued...)

Box Size	Nominal Ratio	Actual Ratio	Output RPM @ 1800 RPM Input	Input HP	S. C.	Output Torque (lbs. in.)	O.H.L. (lbs.)	Motor Frame	Stages	Approx. Weight (lbs.)	Model Number	List Price
RX77	2.5	2.38	737	5.00	III	410	720	182/4TC	1	71	WINL77-2.5/1-182/4TC	$988.96
	2.5	2.38	737	7.50	II	620	550	213TC	1	71	WINL77-2.5/1-213TC	$988.96
	4	4.19	418	3.00	III	435	910	182TC	1	71	WINL77-4/1-182TC	$988.96
77	5	4.78	366	5.00	III	805	1070	182/4TC	2	83	WINL77-5/1-182/4TC	$1,337.99
	5	4.78	366	7.50	III	1210	1030	213/5TC	2	83	WINL77-5/1-213/5TC	$1,337.99
	10	10.91	160	5.00	III	1840	1360	182/4TC	2	83	WINL77-10/1-182/4TC	$1,337.99
	10	10.91	160	7.50	III	2760	1290	213TC	2	83	WINL77-10/1-213TC	$1,337.99
	15	14.83	118	5.00	III	2500	1470	182/4TC	2	83	WINL77-15/1-182/4TC	$1,337.99
	20	23.31	75	3.00	III	2360	1750	182/4TC	2	83	WINL77-20/1-182/4TC	$1,337.99
	25	25.27	69	5.00	II	4130	1620	182/4TC	3	83	WINL77-25/1-182/4TC	$1,337.99
	30	31.97	55	5.00	I	5220	1690	182/4TC	3	83	WINL77-30/1-182/4TC	$1,337.99
	40	39.31	45	3.00	II	3850	1960	182/4TC	3	83	WINL77-40/1-182/4TC	$1,337.99
	50	53.24	33	2.00	II	3480	2230	145TC	3	83	WINL77-50/1-145TC	$1,337.99
	60	57.73	30	2.00	II	3770	2230	145TC	3	83	WINL77-60/1-145TC	$1,337.99
	80	84.62	21	2.00	I	5530	2230	145TC	3	83	WINL77-80/1-145TC	$1,337.99
	100	109.54	16	2.00	I*	7180	2230	145TC	3	83	WINL77-100/1-145TC	$1,337.99
	120	124.34	14	1.00	II	4060	2230	56C	3	83	WINL77-120/1-56C	$1,337.99
RX87	2	2.04	859	10.00	III	705	800	213/5TC	1	124	WINL87-2/1-213/5TC	$1,628.87
	2	2.04	859	20.00	I	1410	450	254/6TC	1	159	WINL87-2/1-254/6TC	$1,628.87
	2.5	2.52	694	10.00	III	875	830	213/5TC	1	124	WINL87-2.5/1-213/5TC	$1,628.87
	2.5	2.52	694	20.00	I	1750	350	254/6TC	1	159	WINL87-2.5/1-254/6TC	$1,628.87
	3	3.19	549	10.00	I	1110	840	213/5TC	1	124	WINL87-3/1-213/5TC	$1,628.87
	3.5	3.54	495	10.00	I	1230	840	213/5TC	1	124	WINL87-3.5/1-213/5TC	$1,628.87
	4	3.77	464	10.00	I	1310	870	213/5TC	1	124	WINL87-4/1-213/5TC	$1,628.87
	4.5	4.43	395	5.00	I	770	1050	182/4TC	1	106	WINL87-4.5/1-182/4TC	$1,628.87
87	5	4.73	370	10.00	III	1590	2020	213/5TC	2	160	WINL87-5/1-213/5TC	$2,123.36
	5	4.73	370	15.00	II	2390	1960	254/6TC	2	160	WINL87-5/1-254/6TC	$2,123.36
	10	10.66	164	5.00	III	1800	2700	182/4TC	2	160	WINL87-10/1-182/4TC	$2,123.36
	10	10.66	164	10.00	II	3590	2580	213/5TC	2	160	WINL87-10/1-213/5TC	$2,123.36
	10	10.66	164	15.00	I	5390	2460	254TC	2	160	WINL87-10/1-254TC	$2,123.36
	15	15.29	114	5.00	III	2570	3000	182/4TC	2	160	WINL87-15/1-182/4TC	$2,123.36
	15	15.29	114	7.50	III	3860	2920	213/5TC	2	160	WINL87-15/1-213/5TC	$2,123.36
	20	20.06	87	5.00	III	3280	3230	182/4TC	3	160	WINL87-20/1-182/4TC	$2,123.36
	20	20.06	87	10.00	I	6550	2970	213/5TC	3	160	WINL87-20/1-213/5TC	$2,123.36
	30	31.73	55	5.00	II	5180	3650	182/4TC	3	160	WINL87-30/1-182/4TC	$2,123.36
	40	38.20	46	5.00	II	6240	3800	182/4TC	3	160	WINL87-40/1-182/4TC	$2,123.36
	50	49.16	36	2.00	III	3210	3800	145TC	3	160	WINL87-50/1-145TC	$2,123.36
	50	49.16	36	5.00	I	8030	3800	182/4TC	3	160	WINL87-50/1-182/4TC	$2,123.36
	60	61.54	28	2.00	III	4020	3800	145TC	3	160	WINL87-60/1-145TC	$2,123.36
	60	61.54	28	5.00	I	10000	3800	182/4TC	3	160	WINL87-60/1-182/4TC	$2,123.36
	80	87.27	20	2.00	III	5700	3800	145TC	3	160	WINL87-80/1-145TC	$2,123.36
	80	87.27	20	3.00	II	8550	3800	182/4TC	3	160	WINL87-80/1-182/4TC	$2,123.36
	110	112.52	16	2.00	II	7350	3800	145TC	3	160	WINL87-110/1-145TC	$2,123.36
	120	122.17	14	2.00	II	7980	3800	145TC	3	160	WINL87-120/1-145TC	$2,123.36
	180	179.70	10	2.00	I	11700	3800	145TC	3	160	WINL87-180/1-145TC	$2,123.36
RX97	2	2.12	825	30.00	II	2210	1020	284/6TC	1	214	WINL97-2/1-284/6TC	$2,850.53
	2	1.89	926	40.00	I	2620	700	324TC	1	214	WINL97-2/1-324TC	$2,850.53
	2.5	2.68	654	30.00	I	2790	965	284/6TC	1	214	WINL97-2.5/1-284/6TC	$2,850.53
	3	3.07	570	20.00	II	2130	1300	254/6TC	1	214	WINL97-3/1-254/6TC	$2,850.53
	3.5	3.48	503	20.00	II	2420	1250	254/6TC	1	214	WINL97-3.5/1-254/6TC	$2,850.53
	3.5	3.48	503	30.00	I	3620	870	284/6TC	1	214	WINL97-3.5/1-284/6TC	$2,850.53
	4	3.81	459	30.00	I	3970	1040	284/6TC	1	214	WINL97-4/1-284/6TC	$2,850.53
	4.5	4.42	396	10.00	II	1540	1480	213/5TC	1	214	WINL97-4.5/1-213/5TC	$2,850.53
97	5	5.42	323	20.00	III	3650	2790	254/6TC	2	244	WINL97-5/1-254/6TC	$3,519.52
	5	5.42	323	30.00	III	5480	2660	284/6TC	2	244	WINL97-5/1-284/6TC	$3,519.52
	10	10.00	175	20.00	III	6730	3340	254/6TC	2	244	WINL97-10/1-254/6TC	$3,519.52
	10	10.00	175	30.00	II	10100	3150	284/6TC	2	244	WINL97-10/1-284/6TC	$3,519.52
	15	13.56	129	10.00	III	4560	3870	213/5TC	2	244	WINL97-15/1-213/5TC	$3,519.52
	15	13.56	129	20.00	III	9130	3600	254/6TC	2	244	WINL97-15/1-254/6TC	$3,519.52
	15	13.56	129	30.00	II	13700	3340	284/6TC	2	244	WINL97-15/1-284/6TC	$3,519.52
	20	21.23	82	20.00	II	14300	3970	254/6TC	2	244	WINL97-20/1-254/6TC	$3,519.52
	30	28.98	60	10.00	III	9470	4450	213/5TC	3	244	WINL97-30/1-213/5TC	$3,519.52
	30	28.98	60	15.00	II	14200	4320	254/6TC	3	244	WINL97-30/1-254/6TC	$3,519.52
	40	37.84	46	10.00	II	12400	4450	213/5TC	3	244	WINL97-40/1-213/5TC	$3,519.52
	50	51.10	34	10.00	II	16700	4450	213/5TC	3	244	WINL97-50/1-213/5TC	$3,519.52
	60	59.52	29	10.00	I	19400	4450	213/5TC	3	244	WINL97-60/1-213/5TC	$3,519.52

Service Class I (S.F.=1.0) Service Class II (S.F.=1.5) Service Class III (S.F.=2.0) * Service Class < 1

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WINL Series (Continued...)

Box Size	Nominal Ratio	Actual Ratio	Output RPM @ 1800 RPM Input	Input HP	S. C.	Output Torque (lbs. in.)	O.H.L. (lbs.)	Motor Frame	Stages	Approx. Weight (lbs.)	Model Number	List Price
	80	82.59	21	5.00	II	13500	4450	182/4TC	3	244	WINL97-80/1-182/4TC	$3,519.52
	80	82.59	21	7.50	I	20200	4450	213/5TC	3	244	WINL97-80/1-213/5TC	$3,519.52
97	100	97.76	18	5.00	II	16000	4450	182/4TC	3	244	WINL97-100/1-182/4TC	$3,519.52
	120	127.61	14	3.00	III	12500	4450	182/4TC	3	244	WINL97-120/1-182/4TC	$3,519.52
	180	181.06	10	3.00	III	17740	4450	182TC	3	244	WINL97-180/1-182TC	$3,519.52
	2	2.30	761	50.00	I	3990	890	324/6TC	1	286	WINL107-2/1-324/6TC	$3,606.78
RX107	3	3.13	560	30.00	II	3250	1380	284/6TC	1	286	WINL107-3/1-284/6TC	$3,606.78
	4	4.13	424	20.00	II	2870	1550	254/6TC	1	286	WINL107-4/1-254/6TC	$3,606.78
	5	4.50	389	10.00	III	1510	3020	213/5TC	2	411	WINL107-5/1-213/5TC	$5,439.27
	5	4.50	389	20.00	III	3030	2940	254/6TC	2	411	WINL107-5/1-254/6TC	$5,439.27
	5	4.50	389	30.00	III	4540	2860	284/6TC	2	411	WINL107-5/1-284/6TC	$5,439.27
	5	4.50	389	50.00	III	7570	2700	324/6TC	2	411	WINL107-5/1-324/6TC	$5,439.27
	10	10.44	168	50.00	I	17600	3330	324/6TC	2	411	WINL107-10/1-324/6TC	$5,439.27
	15	14.38	122	10.00	III	4840	4350	213/5TC	3	411	WINL107-15/1-213/5TC	$5,439.27
	15	14.38	122	20.00	III	9680	4130	254/6TC	3	411	WINL107-15/1-254/6TC	$5,439.27
	20	21.79	80	30.00	I	21400	4250	284/6TC	3	411	WINL107-20/1-284/6TC	$5,439.27
107	20	21.79	80	40.00	I	28500	3920	324TC	3	411	WINL107-20/1-324TC	$5,439.27
	30	29.23	60	30.00	I	28600	4450	284/6TC	3	411	WINL107-30/1-284/6TC	$5,439.27
	40	39.52	44	20.00	I	25800	5270	254/6TC	3	411	WINL107-40/1-254/6TC	$5,439.27
	50	53.00	33	10.00	III	17300	6300	213/5TC	3	411	WINL107-50/1-213/5TC	$5,439.27
	50	53.00	33	20.00	I	34600	5540	254/6TC	3	411	WINL107-50/1-254/6TC	$5,439.27
	60	62.90	28	10.00	II	20500	6540	213/5TC	3	411	WINL107-60/1-213/5TC	$5,439.27
	60	62.90	28	15.00	I	30800	6080	254/6TC	3	411	WINL107-60/1-254/6TC	$5,439.27
	80	79.95	22	10.00	I	26100	6620	213/5TC	3	411	WINL107-80/1-213/5TC	$5,439.27
	120	115.50	15	10.00	I	37700	6620	213/5TC	3	411	WINL107-120/1-213/5TC	$5,439.27
	5	4.87	360	20.00	III	3280	4020	254/6TC	2	619	WINL137-5/1-254/6TC	$9,098.41
	5	4.87	360	30.00	III	4920	3950	284/6TC	2	619	WINL137-5/1-284/6TC	$9,098.41
	5	4.87	360	50.00	III	8190	3810	324/6TC	2	619	WINL137-5/1-324/6TC	$9,098.41
	5	4.87	360	75.00	II	12300	3630	364/5TC	2	619	WINL137-5/1-364/5TC	$9,098.41
	10	10.12	173	75.00	II	25600	4390	364/5TC	2	619	WINL137-10/1-364/5TC	$9,098.41
	15	14.60	120	30.00	III	14300	5380	284/6TC	2	619	WINL137-15/1-284/6TC	$9,098.41
137	15	14.60	120	50.00	II	23800	4980	324/6TC	2	619	WINL137-15/1-324/6TC	$9,098.41
	15	14.60	120	75.00	I	35800	4470	364/5TC	2	619	WINL137-15/1-364/5TC	$9,098.41
*	20	20.68	85	75.00	I*	50600	4960	364/5TC	3	619	WINL137-20/1-364/5TC	$9,098.41
Non-	30	32.81	53	50.00	I	53600	5850	324/6TC	3	619	WINL137-30/1-324/6TC	$9,098.41
Stock	40	43.25	40	30.00	I	42400	7030	284/6TC	3	619	WINL137-40/1-284/6TC	$9,098.41
	40	43.25	40	40.00	I	56500	6500	324/6TC	3	619	WINL137-40/1-324/6TC	$9,098.41
	50	50.13	35	20.00	II	32700	7820	254/6TC	3	619	WINL137-50/1-254/6TC	$9,098.41
	50	50.13	35	30.00	I	49100	7210	284/6TC	3	619	WINL137-50/1-284/6TC	$9,098.41
	60	59.14	30	20.00	II	38600	8190	254/6TC	3	619	WINL137-60/1-254/6TC	$9,098.41
	80	79.05	22	20.00	I	51600	8680	254/6TC	3	619	WINL137-80/1-254/6TC	$9,098.41
	120	117.25	15	15.00	I	57400	9980	254/6TC	3	619	WINL137-120/1-254/6TC	$9,098.41
	4	4.16	421	125.00	III	17500	8130	405TC	2	915	WINL147-4/1-405TC	$16,230.54
	5	5.00	350	30.00	III	5050	9020	284/6TC	2	915	WINL147-5/1-284/6TC	$15,997.84
	5	5.00	350	50.00	III	8420	8930	324/6TC	2	915	WINL147-5/1-324/6TC	$15,997.84
	5	5.00	350	75.00	III	12600	8810	364/5TC	2	915	WINL147-5/1-364/5TC	$15,997.84
	5	5.00	350	125.00	II	21000	8570	405TC	2	915	WINL147-5/1-405TC	$15,997.84
	10	10.24	171	125.00	II	43100	10400	405TC	2	915	WINL147-10/1-405TC	$15,997.84
	15	15.62	112	50.00	III	26300	12700	324/6TC	2	915	WINL147-15/1-324/6TC	$15,997.84
	15	15.62	112	75.00	III	39400	12300	364/5TC	2	915	WINL147-15/1-364/5TC	$15,997.84
147	15	15.62	112	125.00	II	65700	11600	405TC	2	915	WINL147-15/1-405TC	$15,997.84
	20	19.99	88	75.00	II	49000	13200	364/5TC	3	915	WINL147-20/1-364/5TC	$15,997.84
*	30	30.23	58	50.00	II	49400	14100	324/6TC	3	915	WINL147-30/1-324/6TC	$15,997.84
Non-	30	30.23	58	60.00	II	59200	14100	364/5TC	3	915	WINL147-30/1-364/5TC	$15,997.84
Stock	40	41.70	42	30.00	III	40900	14100	284/6TC	3	915	WINL147-40/1-284/6TC	$15,997.84
	40	41.70	42	50.00	II	68100	14100	324/6TC	3	915	WINL147-40/1-324/6TC	$15,997.84
	50	50.49	35	20.00	III	33000	14100	254/6TC	3	915	WINL147-50/1-254/6TC	$15,997.84
	50	50.49	35	30.00	III	49500	14100	284/6TC	3	915	WINL147-50/1-284/6TC	$15,997.84
	60	60.38	29	20.00	III	39400	14100	254/6TC	3	915	WINL147-60/1-254/6TC	$15,997.84
	60	60.38	29	40.00	I	78900	14100	324/6TC	3	915	WINL147-60/1-324/6TC	$15,997.84
	80	83.30	21	20.00	III	54400	14100	254/6TC	3	915	WINL147-80/1-254/6TC	$15,997.84
	80	83.30	21	30.00	I	81600	14100	284/6TC	3	915	WINL147-80/1-284/6TC	$15,997.84
	120	117.29	15	20.00	II	76600	14100	254/6TC	3	915	WINL147-120/1-254/6TC	$15,997.84

* WINL137 and WINL147 are Non-Stock Items available by special order only.

Service Class I (S.F.=1.0) Service Class II (S.F.=1.5) Service Class III (S.F.=2.0) * Service Class < 1

Mechanical Ratings

Box Size	Nominal Ratio	Actual Ratio	Output RPM	Service Factor Values: Max Input HP	Max Output Torque (lbs. in.)	O.H.L. (lbs.)	Stages	Nominal Stock Performance: 56C HP	56C T	56C OHL	143/145TC HP	143/145TC T	143/145TC OHL	182TC HP	182TC T	182TC OHL	184TC HP	184TC T	184TC OHL
37	5	4.88	359	5.9	970	420	2	1	165	535	2	330	510						
	10	10.02	175	4.03	1360	530	2	1	335	665	2	675	620						
	15	14.08	124	3.01	1390	595	3				2	920	665						
	15	15.75	111	2.98	1580	615	2	1	530	755									
	20	19.95	88	2.55	1710	665	2	1	670	805	2	1340	715						
	30	31.02	56	1.75	1770	780	3	1	1010	890									
	40	40.08	44	1.35	1770	875	3	1	1310	935									
	50	52.24	34	1.04	1770	975	3	1	1710	985									
	60	60.84	29	0.89	1770	995	3	1	1990	1000									
47	5	4.85	361	10.34	1690	465	2				2	325	630	3	490	610			
	10	11.27	155	6.68	2530	625	2							3	1140	770	5	1900	690
	15	15.18	115	5.2	2660	710	2							3	1530	820			
	20	18.37	95	4.3	2660	770	2				2	1240	915	3	1860	850			
	30	31.83	55	2.56	2660	930	3				2	2080	1000	3	3120	870			
	40	41.51	42	1.96	2660	1100	3	1	1360	1220									
	50	52.84	33	1.54	2660	1210	3	1	1730	1220									
	60	63.37	28	1.28	2660	1220	3	1	2070	1220									
RX57	3	3.19	549	4.04	445	315	1	1	110	445	2	220	420	3	330	400			
57	5	4.93	355	10.42	1730	480	2				2	330	750	3	500	720	5	830	655
	10	11.53	152	7.45	2890	615	2	1	390	1020	2	775	960	3	1170	895			
	15	15.53	113	6.11	3190	675	2	1	525	1110	2	1050	1030						
	20	22.81	77	3.91	2910	790	3	1	745	1220	2	1490	1070	3	2240	925			
	40	42.48	41	2.87	3990	1030	3	1	1390	1450	2	2780	1220						
	50	54.07	32	2.26	3990	1160	3	1	1770	1530	2	3530	1240						
	60	60.21	29	2.03	3990	1230	3	1	1970	1560	2	3930	1240						
	80	79.65	22	1.53	3990	1420	3	1	2600	1600									
	100	101.77	17	1.2	3990	1590	3	1	3320	1600									
	130	129.16	14	0.94	3990	1600	3	1	4220	1600									
RX67	2	1.86	942	9.58	615	170	1										5	320	385
	2.5	2.35	745	7.56	615	260	1										5	410	400
	3.5	3.52	497	4.11	505	465	1							3	365	490			
67	5	5.23	334	14.36	2530	725	2				2	350	955				5	880	900
	10	9.90	177	11.34	3780	890	2							3	1000	1140	5	1670	1080
	15	15.41	114	8.44	4380	1030	2				2	1040	1330	3	1560	1280			
	20	21.33	82	6.79	4880	1150	2							3	2160	1390			
	30	28.77	61	4.76	4470	1280	3				2	1880	1560						
	40	41.22	42	3.73	5030	1450	3				2	2690	1650						
	50	52.21	34	3.12	5310	1650	3				2	3410	1650						
	60	63.07	28	2.58	5310	1650	3	1	2060	1650									
	80	78.59	22	2.07	5310	1650	3	1	2570	1650									
	100	98.69	18	1.65	5310	1650	3	1	3220	1650									
	120	125.28	14	1.3	5310	1650	3	1	4090	1650									
RX77	2.5	2.38	737	13.46	1110	145	1										5	410	720
	4	4.19	418	6.16	895	555	1							3	435	910			
77	5	4.78	366	25.12	4040	785	2							3	480	1100	5	805	1070
	10	10.91	160	17.07	6270	1020	2							3	1100	1410	5	1840	1360
	15	14.83	118	13.3	6640	1160	2										5	2500	1470
	20	23.31	75	8.46	6640	1420	2							3	2360	1750			
	25	25.27	69	8.05	6640	1400	3										5	4130	1620
	30	31.97	55	6.36	6640	1560	3							3	3130	1870	5	5220	1690
	40	39.31	45	5.17	6640	1720	3							3	3850	1960			
	50	53.24	33	3.82	6640	2040	3				2	3480	2230						
	60	57.73	30	3.52	6640	2110	3				2	3770	2230						
	80	84.62	21	2.4	6640	2230	3				2	5530	2230						
	100	109.54	16	1.86	6640	2230	3				2	7180	2230						
	120	124.34	14	1.64	6640	2230	3	1	4060	2230									
RX87	2	2.04	859	26.31	1860	205	1												
	2.5	2.52	694	20.25	1770	340	1												
	3	3.19	549	14.4	1590	585	1												
	3.5	3.54	495	12.83	1580	660	1												
	4	3.77	464	11.5	1510	780	1												
	4.5	4.43	395	6.91	1060	1000	1							3	460	1100	5	770	1050

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Mechanical Ratings (Continued...)

Box Size	Nominal Ratio	Actual Ratio	Output RPM	Service Factor Values			Nominal Stock Performance												
				Max Input HP	Max Output Torque (lbs. in.)	O.H.L. (lbs.)	Stages	213TC			215TC			254TC			256TC		
								HP	T	OHL	HP	T	OHL	HP	T	OHL	HP	T	OHL
37	5	4.88	359	5.9	970	420	2												
	10	10.02	175	4.03	1360	530	2												
	15	14.08	124	3.01	1390	595	3												
	15	15.75	111	2.98	1580	615	2												
	20	19.95	88	2.55	1710	665	2												
	30	31.02	56	1.75	1770	780	3												
	40	40.08	44	1.35	1770	875	3												
	50	52.24	34	1.04	1770	975	3												
	60	60.84	29	0.89	1770	995	3												
47	5	4.85	361	1690	10.34	465	2												
	10	11.27	155	2530	6.68	625	2												
	15	15.18	115	2660	5.2	710	2												
	20	18.37	95	2660	4.3	770	2												
	30	31.83	55	2660	2.56	930	3												
	40	41.51	42	2660	1.96	1100	3												
	50	52.84	33	2660	1.54	1210	3												
	60	63.37	28	2660	1.28	1220	3												
RX57	3	3.19	549	4.04	445	315	1												
57	5	4.93	355	10.42	1730	480	2												
	10	11.53	152	7.45	2890	615	2												
	15	15.53	113	6.11	3190	675	2												
	20	22.81	77	3.91	2910	790	3												
	40	42.48	41	2.87	3990	1030	3												
	50	54.07	32	2.26	3990	1160	3												
	60	60.21	29	2.03	3990	1230	3												
	80	79.65	22	1.53	3990	1420	3												
	100	101.77	17	1.2	3990	1590	3												
	130	129.16	14	0.94	3990	1600	3												
RX67	2	1.86	942	9.58	615	170	1												
	2.5	2.35	745	7.56	615	260	1												
	3.5	3.52	497	4.11	505	465	1												
67	5	5.23	334	14.36	2530	725	2												
	10	9.90	177	11.34	3780	890	2												
	15	15.41	114	8.44	4380	1030	2												
	20	21.33	82	6.79	4880	1150	2												
	30	28.77	61	4.76	4470	1280	3												
	40	41.22	42	3.73	5030	1450	3												
	50	52.21	34	3.12	5310	1650	3												
	60	63.07	28	2.58	5310	1650	3												
	80	78.59	22	2.07	5310	1650	3												
	100	98.69	18	1.65	5310	1650	3												
	120	125.28	14	1.3	5310	1650	3												
RX77	2.5	2.38	737	13.46	1110	145	1	7.5	620	550									
	4	4.19	418	6.16	895	555	1												
77	5	4.78	366	25.12	4040	785	2	7.5	1210	1030									
	10	10.91	160	17.07	6270	1020	2	7.5	2760	1290									
	15	14.83	118	13.3	6640	1160	2												
	20	23.31	75	8.46	6640	1420	2												
	25	25.27	69	8.05	6640	1400	3												
	30	31.97	55	6.36	6640	1560	3												
	40	39.31	45	5.17	6640	1720	3												
	50	53.24	33	3.82	6640	2040	3												
	60	57.73	30	3.52	6640	2110	3												
	80	84.62	21	2.4	6640	2230	3												
	100	109.54	16	1.86	6640	2230	3												
	120	124.34	14	1.64	6640	2230	3												
RX87	2	2.04	859	26.31	1860	205	1	7.5	530	830	10	705	800	15	1060	640	20	1410	450
	2.5	2.52	694	20.25	1770	340	1	7.5	655	865	10	875	830	15	1310	595	20	1750	350
	3	3.19	549	14.4	1590	585	1	7.5	830	920	10	1110	840						
	3.5	3.54	495	12.83	1580	660	1	7.5	920	945	10	1230	840						
	4	3.77	464	11.5	1510	780	1	7.5	980	980	10	1310	870						
	4.5	4.43	395	6.91	1060	1000	1												

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Mechanical Ratings (Continued...)

Box Size	Nominal Ratio	Actual Ratio	Output RPM	Service Factor Values: Max Input HP	Service Factor Values: Max Output Torque (lbs. in.)	Service Factor Values: O.H.L. (lbs.)	Stages	Nominal Stock Performance: 143/145TC HP	143/145TC T	143/145TC OHL	182TC HP	182TC T	182TC OHL	184TC HP	184TC T	184TC OHL	213TC HP	213TC T	213TC OHL	215TC HP	215TC T	215TC OHL
87	5	4.73	370	28.5	4540	1800	2										7.5	1190	2060	10	1590	2020
	10	10.66	164	19.77	7100	2350	2							5	1800	2700	7.5	2690	2640	10	3590	2580
	15	15.29	114	15.53	8000	2650	2							5	2570	3000	7.5	3860	2920			
	20	20.06	87	11.21	7340	2920	3							5	3280	3230	7.5	4910	3100	10	6550	2970
	30	31.73	55	8.26	8560	3400	3							5	5180	3650						
	40	38.20	46	8.71	10900	3590	3							5	6240	3800						
	50	49.16	36	7.36	11800	3800	3	2	3210	3800				5	8030	3800						
	60	61.54	28	6.32	12700	3800	3	2	4020	3800	3	6030	3800	5	10000	3800						
	80	87.27	20	4.81	13700	3800	3	2	5700	3800	3	8550	3800									
	110	112.52	16	3.73	13700	3800	3	2	7350	3800												
	120	122.17	14	3.43	13700	3800	3	2	7980	3800												
	180	179.70	10	2.33	13700	3800	3	2	11700	3800												
RX97	2	1.89	926	54.83	3590	205	1															
	2	2.12	825	51.91	3820	210	1															
	2.5	2.68	654	43.87	4070	345	1															
	3	3.07	570	38.22	4070	760	1															
	3.5	3.48	503	33.74	4070	665	1															
	4	3.81	459	30.76	4070	995	1															
	4.5	4.42	396	18.4	2820	1330	1										7.5	1150	1520	10	1540	1480
97	5	5.42	323	69.71	12700	2140	2															
	10	10.00	175	56.52	19000	2630	2															
	15	13.56	129	46.15	21100	2910	2										7.5	3420	3940	10	4560	3870
	20	21.23	82	33.67	24100	3400	2															
	30	28.98	60	23.51	22300	3750	3										7.5	7100	4450	10	9470	4450
	40	37.84	46	19.68	24300	4100	3										7.5	9270	4450	10	12400	4450
	50	51.10	34	15.94	26600	4450	3										7.5	12500	4450	10	16700	4450
	60	59.52	29	13.68	26600	4450	3							5	9720	4450	7.5	14600	4450			
	80	82.59	21	9.86	26600	4450	3							5	13500	4450	7.5	20200	4450			
	100	97.76	18	8.33	26600	4450	3							5	16000	4450						
	120	127.61	14	6.38	26600	4450	3				3	12500	4450	5	20800	4450						
	180	181.06	10	4.5	26600	4450	3				3	17700	4450									
RX107	2	2.3	761	71.01	5670	280	1															
	3	3.13	560	52.26	5670	665	1															
	4	4.13	424	32.13	4610	1250	1															
107	5	4.5	389	106.63	16100	2250	2										7.5	1140	3040	10	1510	3020
	10	10.44	168	72.06	25300	2990	2															
	15	14.38	122	56.61	27400	3330	2													10	4840	4350
	20	21.79	80	42.95	30600	3820	3															
	30	29.23	60	35.32	33700	4210	3															
	40	39.52	44	29.51	38100	4730	3															
	50	53	33	22	38100	5390	3										7.5	13000	6490	10	17300	6300
	60	62.9	28	18.54	38100	5750	3										7.5	15400	6620	10	20500	6540
	80	79.95	22	14.59	38100	6370	3										7.5	19600	6620	10	26100	6620
	120	115.5	15	10.1	38100	6630	3										7.5	28300	6620	10	37700	6620
137 * Non-Stock	5	4.87	360	156.5	25600	3180	2															
	10	10.12	173	113.2	38600	3930	2															
	15	14.6	120	77.6	37000	4420	3															
	20	20.68	85	61.5	41500	4970	3															
	30	32.81	53	51.1	54800	5810	3															
	40	43.25	40	42.5	60000	6370	3															
	50	50.13	35	37.9	62000	6730	3															
	60	59.14	30	32.1	62000	7380	3															
	80	79.05	22	24.0	62000	8320	3															
	120	117.25	15	16.2	62000	9830	3															
147 * Non-Stock	4	4.16	421	355.39	49700	7240	2															
	5	5.00	350	314.23	52900	7700	2															
	10	10.24	171	194.88	67200	9780	2															
	15	15.62	112	150.4	79100	11300	2															
	20	19.99	88	131.52	85900	12200	3															
	30	30.23	58	99.84	98600	14000	3															
	40	41.70	42	80.56	109700	14100	3															
	50	50.49	35	69.8	115100	14100	3															
	60	60.38	29	58.37	115100	14100	3															
	80	83.30	21	42.31	115100	14100	3															
	120	117.29	15	30.05	115100	14100	3															

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Mechanical Ratings (Continued...)

Box Size	Nominal Ratio	Actual Ratio	Output RPM	Service Factor Values: Max Input HP	Max Output Torque (lbs. in.)	O.H.L. (lbs.)	Stages	Nominal Stock Performance: 254TC HP	254TC T	254TC OHL	256TC HP	256TC T	256TC OHL	284TC HP	284TC T	284TC OHL	286TC HP	286TC T	286TC OHL	324TC HP	324TC T	324TC OHL
87	5	4.73	370	28.5	4540	1800	2	15	2390	1960												
	10	10.66	164	19.77	7100	2350	2	15	5390	2460												
	15	15.29	114	15.53	8000	2650	2															
	20	20.06	87	11.21	7340	2920	3															
	30	31.73	55	8.26	8560	3400	3															
	40	38.20	46	8.71	10900	3590	3															
	50	49.16	36	7.36	11800	3800	3															
	60	61.54	28	6.32	12700	3800	3															
	80	87.27	20	4.81	13700	3800	3															
	110	112.52	16	3.73	13700	3800	3															
	120	122.17	14	3.43	13700	3800	3															
	180	179.70	10	2.33	13700	3800	3															
RX97	2	1.89	926	54.83	3590	205	1													40	2620	700
	2	2.12	825	51.91	3820	210	1							25	1840	1070	30	2210	1020			
	2.5	2.68	654	43.87	4070	345	1							25	2320	1120	30	2790	965			
	3	3.07	570	38.22	4070	760	1	15	1600	1340	20	2130	1300									
	3.5	3.48	503	33.74	4070	665	1	15	1810	1320	20	2420	1250	25	3020	1140	30	3620	870			
	4	3.81	459	30.76	4070	995	1							25	3310	1290	30	3970	1040			
	4.5	4.42	396	18.4	2820	1330	1															
97	5	5.42	323	69.71	12700	2140	2	15	2740	2850	20	3650	2790	25	4560	2720	30	5480	2660			
	10	10.00	175	56.52	19000	2630	2	15	5050	3440	20	6730	3340	25	8420	3250	30	10100	3150			
	15	13.56	129	46.15	21100	2910	2	15	6850	3740	20	9130	3600	25	11400	3470	30	13700	3340			
	20	21.23	82	33.67	24100	3400	2	15	10700	4180	20	14300	3970									
	30	28.98	60	23.51	22300	3750	3	15	14200	4320												
	40	37.84	46	19.68	24300	4100	3															
	50	51.10	34	15.94	26600	4450	3															
	60	59.52	29	13.68	26600	4450	3															
	80	82.59	21	9.86	26600	4450	3															
	100	97.76	18	8.33	26600	4450	3															
	120	127.61	14	6.38	26600	4450	3															
	180	181.06	10	4.5	26600	4450	3															
RX107	2	2.3	761	71.01	5670	280	1															
	3	3.13	560	52.26	5670	665	1							25	2710	1440	30	3250	1380			
	4	4.13	424	32.13	4610	1250	1	15	2150	1630	20	2870	1550									
107	5	4.5	389	106.63	16100	2250	2	15	2270	2980	20	3030	2940	25	3790	2900	30	4540	2860	40	6060	2780
	10	10.44	168	72.06	25300	2990	2													40	14100	3490
	15	14.38	122	56.61	27400	3330	2				20	9680	4130									
	20	21.79	80	42.95	30600	3820	3							25	17800	4420	30	21400	4250	40	28500	3920
	30	29.23	60	35.32	33700	4210	3							25	23900	4670	30	28600	4450			
	40	39.52	44	29.51	38100	4730	3	15	19400	5550	20	25800	5270									
	50	53	33	22	38100	5390	3	15	26000	5920	20	34600	5540									
	60	62.9	28	18.54	38100	5750	3	15	30800	6080												
	80	79.95	22	14.59	38100	6370	3															
	120	115.5	15	10.1	38100	6630	3															
137 * Non-Stock	5	4.87	360	156.5	25600	3180	2	15	2460	4050	20	3280	4020	25	4100	3980	30	4920	3950	40	6550	3870
	10	10.12	173	113.2	38600	3930	2															
	15	14.6	120	77.6	37000	4420	3							25	11900	5490	30	14300	5380	40	19100	5180
	20	20.68	85	61.5	41500	4970	3															
	30	32.81	53	51.1	54800	5810	3													40	42900	6250
	40	43.25	40	42.5	60000	6370	3							25	35300	7290	30	42400	7030	40	56500	6500
	50	50.13	35	37.9	62000	6730	3	15	24600	8130	20	32700	7820	25	40900	7510	30	49100	7210			
	60	59.14	30	32.1	62000	7380	3	15	29000	8540	20	38600	8190									
	80	79.05	22	24.0	62000	8320	3	15	38700	9140	20	51600	8680									
	120	117.25	15	16.2	62000	9830	3	15	57400	9980												
147 * Non-Stock	4	4.16	421	355.39	49700	7240	2	15	2100	8550	20	2800	8530	25	3500	8510	30	4200	8500	40	5600	8460
	5	5.00	350	314.23	52900	7700	2							25	4210	9040	30	5050	9020	40	6730	8970
	10	10.24	171	194.88	67200	9780	2															
	15	15.62	112	150.4	79100	11300	2							25	13100	13000	30	15800	13000	40	21000	12800
	20	19.99	88	131.52	85900	12200	3															
	30	30.23	58	99.84	98600	14000	3													40	39500	14100
	40	41.70	42	80.56	109700	14100	3							25	34000	14100	30	40900	14100	40	54500	14100
	50	50.49	35	69.8	115100	14100	3				20	33000	14100	25	41200	14100	30	49500	14100			
	60	60.38	29	58.37	115100	14100	3				20	39400	14100							40	78900	14100
	80	83.30	21	42.31	115100	14100	3				20	54400	14100	25	68000	14100	30	81600	14100			
	120	117.29	15	30.05	115100	14100	3				20	76600	14100									

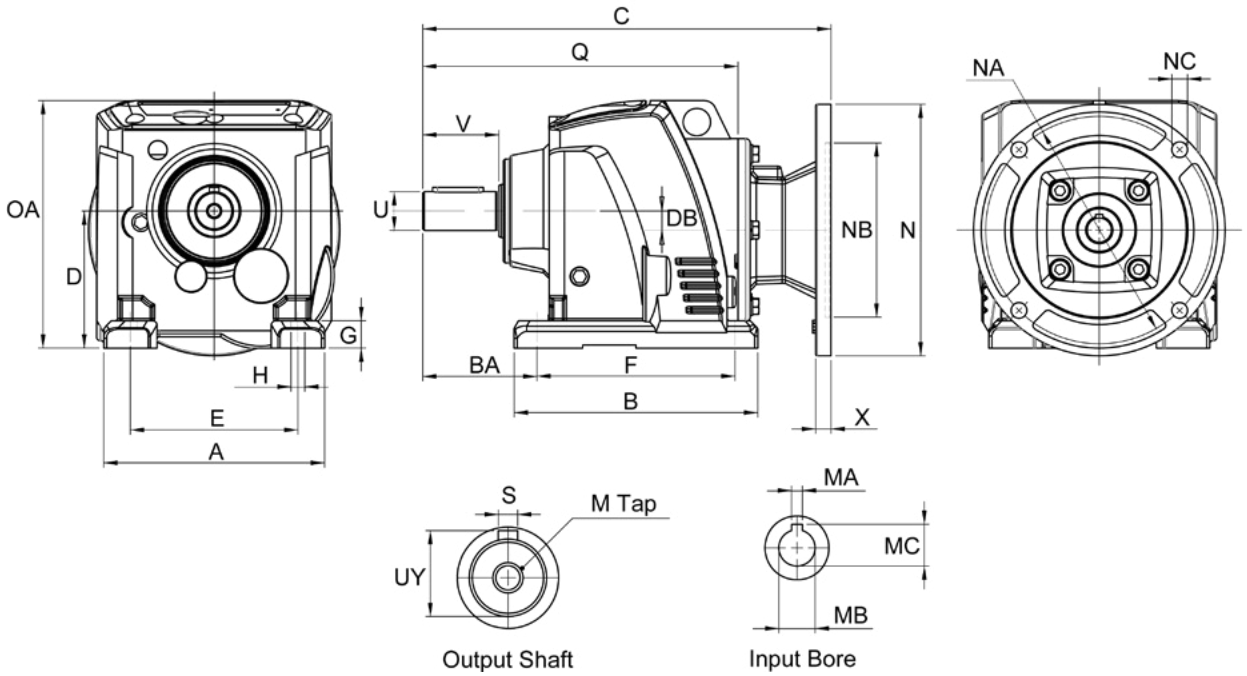
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Mechanical Ratings (Continued...)

Box Size	Nominal Ratio	Actual Ratio	Output RPM	Service Factor Values: Max Input HP	Max Output Torque (lbs. in.)	O.H.L. (lbs.)	Stages	Nominal Stock Performance: 326TC HP	326TC T	326TC OHL	364TC HP	364TC T	364TC OHL	365TC HP	365TC T	365TC OHL	405TC HP	405TC T	405TC OHL	405TC HP	405TC T	405TC OHL
87	5	4.73	370	28.5	4540	1800	2															
	10	10.66	164	19.77	7100	2350	2															
	15	15.29	114	15.53	8000	2650	2															
	20	20.06	87	11.21	7340	2920	3															
	30	31.73	55	8.26	8560	3400	3															
	40	38.20	46	8.71	10900	3590	3															
	50	49.16	36	7.36	11800	3800	3															
	60	61.54	28	6.32	12700	3800	3															
	80	87.27	20	4.81	13700	3800	3															
	110	112.52	16	3.73	13700	3800	3															
	120	122.17	14	3.43	13700	3800	3															
	180	179.70	10	2.33	13700	3800	3															
RX97	2	1.89	926	54.83	3590	205	1															
	2	2.12	825	51.91	3820	210	1															
	2.5	2.68	654	43.87	4070	345	1															
	3	3.07	570	38.22	4070	760	1															
	3.5	3.48	503	33.74	4070	665	1															
	4	3.81	459	30.76	4070	995	1															
	4.5	4.42	396	18.4	2820	1330	1															
97	5	5.42	323	69.71	12700	2140	2															
	10	10.00	175	56.52	19000	2630	2															
	15	13.56	129	46.15	21100	2910	2															
	20	21.23	82	33.67	24100	3400	2															
	30	28.98	60	23.51	22300	3750	3															
	40	37.84	46	19.68	24300	4100	3															
	50	51.10	34	15.94	26600	4450	3															
	60	59.52	29	13.68	26600	4450	3															
	80	82.59	21	9.86	26600	4450	3															
	100	97.76	18	8.33	26600	4450	3															
	120	127.61	14	6.38	26600	4450	3															
	180	181.06	10	4.5	26600	4450	3															
RX107	2	2.3	761	71.01	5670	280	1	50	3990	890												
	3	3.13	560	52.26	5670	665	1															
	4	4.13	424	32.13	4610	1250	1															
107	5	4.5	389	106.63	16100	2250	2	50	7570	2700												
	10	10.44	168	72.06	25300	2990	2	50	17600	3330												
	15	14.38	122	56.61	27400	3330	2															
	20	21.79	80	42.95	30600	3820	3															
	30	29.23	60	35.32	33700	4210	3															
	40	39.52	44	29.51	38100	4730	3															
	50	53	33	22	38100	5390	3															
	60	62.9	28	18.54	38100	5750	3															
	80	79.95	22	14.59	38100	6370	3															
	120	115.5	15	10.1	38100	6630	3															
137 * Non-Stock	5	4.87	360	156.5	25600	3180	2	50	8190	3810	60	9830	3740	75	12300	3630						
	10	10.12	173	113.2	38600	3930	2				60	20400	4570	75	25600	4390						
	15	14.6	120	77.6	37000	4420	3	50	23800	4980	60	28600	4770	75	35800	4470						
	20	20.68	85	61.5	41500	4970	3				60	40500	5000	75	50600	4960						
	30	32.81	53	51.1	54800	5810	3	50	53600	5850												
	40	43.25	40	42.5	60000	6370	3															
	50	50.13	35	37.9	62000	6730	3															
	60	59.14	30	32.1	62000	7380	3															
	80	79.05	22	24.0	62000	8320	3															
	120	117.25	15	16.2	62000	9830	3															
147 * Non-Stock	4	4.16	421	355.39	49700	7240	2	50	7000	8420	60	8400	8380	75	10500	8320	100	14000	8220	125	17500	8130
	5	5.00	350	314.23	52900	7700	2	50	8420	8930	60	10100	8880	75	12600	8810				125	21000	8570
	10	10.24	171	194.88	67200	9780	2										100	34500	10700			
	15	15.62	112	150.4	79100	11300	2	50	26300	12700	60	31600	12500	75	39400	12300	100	52600	12000	125	65700	11600
	20	19.99	88	131.52	85900	12200	3				60	39200	13500	75	49000	13200						
	30	30.23	58	99.84	98600	14000	3	50	49400	14100	60	59200	14100	75	74000	14100						
	40	41.70	42	80.56	109700	14100	3	50	68100	14100												
	50	50.49	35	69.8	115100	14100	3															
	60	60.38	29	58.37	115100	14100	3															
	80	83.30	21	42.31	115100	14100	3															
	120	117.29	15	30.05	115100	14100	3															

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Dimensions

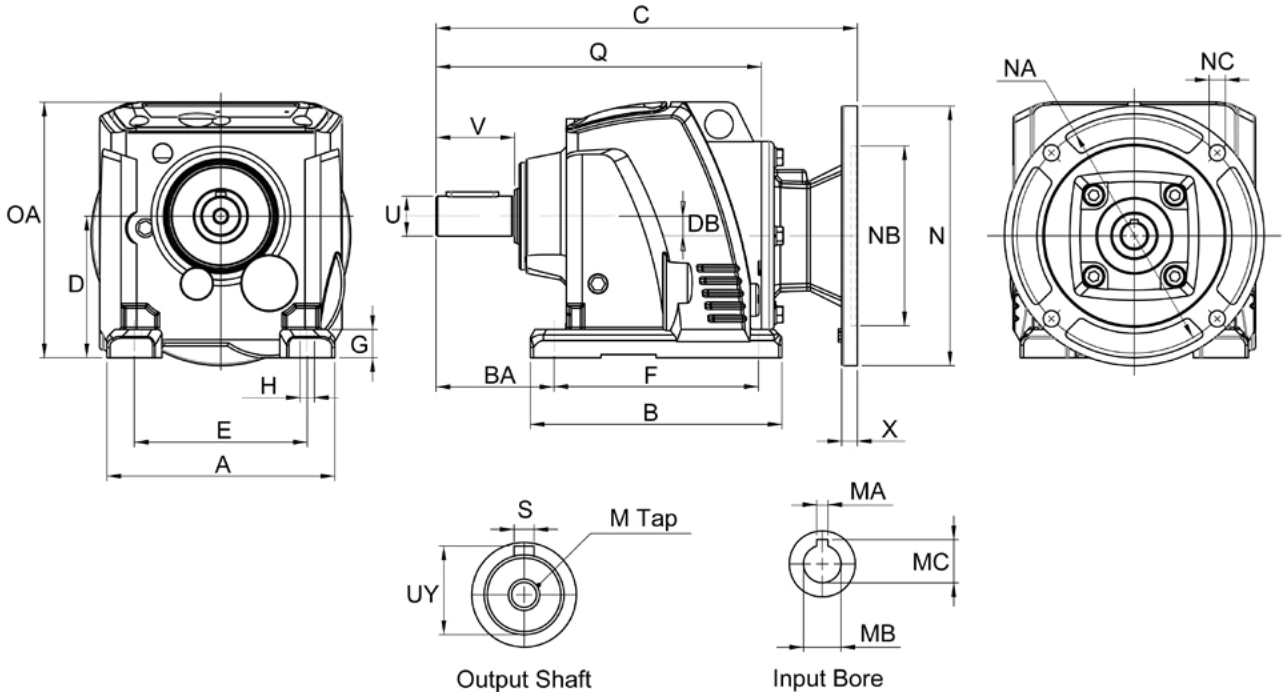


All listed dimensions in inches

Box Size	NEMA Frame	A	B	BA	C	D	DB	E	F	G	H	M (UNC)	MA	MB	MC	N	NA	NB	NC	OA	Q	S	U	UY	V	X
37	56C	5.71	6.3	2.95	10.55	3.54	0.49	4.33	5.12	0.71	0.35	3/8 -16	0.19	0.63	0.72	6.5	5.88	4.5	4 x 0.41	6.4	8.15	0.25	1.0	1.11	1.97	0.39
	145TC	5.71	6.3	2.95	10.94	3.54	0.49	4.33	5.12	0.71	0.35	3/8 -16	0.19	0.88	0.97	6.5	5.88	4.5	4 x 0.41	6.4	8.15	0.25	1.0	1.11	1.97	0.47
47	56C	6.69	7.68	3.54	11.63	4.53	0.55	5.31	6.5	0.94	0.55	1/2 -13	0.19	0.63	0.72	6.5	5.88	4.5	4 x 0.41	8.25	9.41	0.25	1.25	1.36	2.36	0.39
	145TC	6.69	7.68	3.54	12.03	4.53	0.55	5.31	6.5	0.94	0.55	1/2 -13	0.19	0.88	0.97	6.5	5.88	4.5	4 x 0.41	8.25	9.41	0.25	1.25	1.36	2.36	0.47
	182/4TC	6.69	7.68	3.54	12.76	4.53	0.55	5.31	6.5	0.94	0.55	1/2 -13	0.25	1.13	1.25	9	7.25	8.5	4 x 0.55	8.25	9.41	0.25	1.25	1.36	2.36	0.67
57	56C	7.48	7.87	3.94	12.34	4.53	0.63	5.31	6.5	0.94	0.53	1/2-13	0.188	0.625	0.71	6.5	5.875	4.5	0.41	8.17	10.12	0.31	1.375	1.52	2.76	0.39
	143/5TC	7.48	7.87	3.94	12.74	4.53	0.63	5.31	6.5	0.94	0.53	1/2-13	0.188	0.875	0.96	6.5	5.875	4.5	0.41	8.17	10.12	0.31	1.375	1.52	2.76	0.47
	182/4TC	7.48	7.87	3.94	13.46	4.53	0.63	5.31	6.5	0.94	0.53	1/2-13	0.25	1.125	1.24	9.0	7.25	8.5	0.55	8.17	10.12	0.31	1.375	1.52	2.76	0.67
67	56C	8.27	9.25	3.94	13.13	5.12	0.67	5.91	7.68	1.26	0.55	1/2 -13	0.19	0.63	0.72	6.5	5.88	4.5	4 x 0.41	8.89	10.98	0.31	1.38	1.51	2.76	0.39
	145TC	8.27	9.25	3.94	13.52	5.12	0.67	5.91	7.68	1.26	0.55	1/2 -13	0.19	0.88	0.97	6.5	5.88	4.5	4 x 0.41	8.89	10.98	0.31	1.38	1.51	2.76	0.47
	182/4TC	8.27	9.25	3.94	14.25	5.12	0.67	5.91	7.68	1.26	0.55	1/2 -13	0.25	1.13	1.25	9	7.25	8.5	4 x 0.55	8.89	10.98	0.31	1.38	1.51	2.76	0.67
77	56C	9.06	9.65	4.53	14.23	5.51	0.61	6.69	8.07	1.18	0.71	5/8 -11	0.19	0.63	0.72	6.5	5.88	4.5	4 x 0.41	10.04	11.91	0.38	1.63	1.79	3.15	0.39
	145TC	9.06	9.65	4.53	14.23	5.51	0.61	6.69	8.07	1.18	0.71	5/8 -11	0.19	0.88	0.97	6.5	5.88	4.5	4 x 0.41	10.04	11.91	0.38	1.63	1.79	3.15	0.47
	182/4TC	9.06	9.65	4.53	14.96	5.51	0.61	6.69	8.07	1.18	0.71	5/8 -11	0.25	1.13	1.25	9	7.25	8.5	4 x 0.55	10.04	11.91	0.38	1.63	1.79	3.15	0.67
	213/5TC	9.06	9.65	4.53	17.22	5.51	0.61	6.69	8.07	1.18	0.71	5/8 -11	0.31	1.38	1.53	9	7.25	8.5	4 x 0.55	10.04	11.91	0.38	1.63	1.79	3.15	0.67
87	145TC	11.42	12.2	5.51	17.2	7.09	0.71	8.46	10.24	1.77	0.71	3/4 -10	0.19	0.88	0.97	6.5	5.88	4.5	4 x 0.41	12.99	14.65	0.5	2.13	2.34	3.94	0.47
	182/4TC	11.42	12.2	5.51	17.33	7.09	0.71	8.46	10.24	1.77	0.71	3/4 -10	0.25	1.13	0.68	9	7.25	8.5	4 x 0.55	12.99	14.65	0.5	2.13	2.34	3.94	0.67
	213/5TC	11.42	12.2	5.51	19.59	7.09	0.71	8.46	10.24	1.77	0.71	3/4 -10	0.31	1.38	0.88	9	7.25	8.5	4 x 0.55	12.99	14.65	0.5	2.13	2.34	3.94	0.67
	254/6TC	11.42	12.2	5.51	20.57	7.09	0.71	8.46	10.24	1.77	0.71	3/4 -10	0.31	1.38	1.53	10	7.25	8.5	4 x 0.55	12.99	14.65	0.5	2.13	2.34	3.94	0.79
97	182/4TC	13.39	14.37	6.3	19.84	8.86	0.81	9.84	12.2	2.17	0.87	3/4 -11	0.25	1.13	0.68	9	7.25	8.5	4 x 0.55	15.16	17.32	0.63	2.38	2.65	4.72	0.67
	213/5TC	13.39	14.37	6.3	21.95	8.86	0.81	9.84	12.2	2.17	0.87	3/4 -11	0.31	1.38	0.88	9	7.25	8.5	4 x 0.55	15.16	17.32	0.63	2.38	2.65	4.72	0.67
	254/6TC	13.39	14.37	6.3	22.93	8.86	0.81	9.84	12.2	2.17	0.87	3/4 -11	0.38	1.63	1.81	10	7.25	8.5	4 x 0.55	15.16	17.32	0.63	2.38	2.65	4.72	0.79
	284/6TC	13.39	14.37	6.3	23.29	8.86	0.81	9.84	12.2	2.17	0.87	3/4 -11	0.5	1.88	1.10	11.26	9	10.5	4 x 0.59	15.16	17.32	0.63	2.38	2.65	4.72	0.79
107	213/5TC	15.75	17.32	7.28	23.74	9.84	0.91	11.42	14.57	2.56	1.02	3/4 -10	0.31	1.38	1.52	9	7.25	8.5	4 x 0.55	15.92	19.49	0.75	2.88	3.2	5.51	0.67
	254/6TC	15.75	17.32	7.28	24.72	9.84	0.91	11.42	14.57	2.56	1.02	3/4 -10	0.38	1.63	1.81	10	7.25	8.5	4 x 0.55	15.92	19.49	0.75	2.88	3.2	5.51	0.79
	284/6TC	15.75	17.32	7.28	25.08	9.84	0.91	11.42	14.57	2.56	1.02	3/4 -10	0.5	1.88	2.13	11.26	9	10.5	4 x 0.59	15.92	19.49	0.75	2.88	3.2	5.51	0.79
	324/6TC	15.75	17.32	7.28	26.3	9.84	0.91	11.42	14.57	2.56	1.02	3/4 -10	0.5	2.13	2.38	14.02	11	12.5	4 x 0.65	15.92	19.49	0.75	2.88	3.2	5.51	0.79
137	254/6TC	17.72	19.29	8.66	28.07	12.4	1.38	13.39	16.14	2.76	1.3	1 - 8	0.38	1.63	1.81	10	7.25	8.5	4 x 0.55	19.29	23.23	0.88	3.63	4.01	6.69	0.79
	284/6TC	17.72	19.29	8.66	28.39	12.4	1.38	13.39	16.14	2.76	1.3	1 - 8	0.5	1.88	2.13	11.26	9	10.5	4 x 0.59	19.29	23.23	0.88	3.63	4.01	6.69	0.79
Non-Stock	324/6TC	17.72	19.29	8.66	29.61	12.4	1.38	13.39	16.14	2.76	1.3	1 - 8	0.5	2.13	2.38	14.02	11	12.5	4 x 0.65	19.29	23.23	0.88	3.63	4.01	6.69	0.79
	364/5TC	17.72	19.29	8.66	30.67	12.4	1.38	13.39	16.14	2.76	1.3	1 - 8	0.63	2.38	2.65	14.02	11	12.5	4 x 0.65	19.29	23.23	0.88	3.63	4.01	6.69	0.87
147	254/6TC	20.87	23.23	10.24	31.89	13.98	2.05	14.96	19.69	3.15	1.54	1 - 8	0.38	1.63	1.81	10	7.25	8.5	4 x 0.55	24.96	27.36	1	4.38	4.82	8.27	0.79
	284/6TC	20.87	23.23	10.24	32.2	13.98	2.05	14.96	19.69	3.15	1.54	1 - 8	0.5	1.88	2.13	11.26	9	10.5	4 x 0.59	24.96	27.36	1	4.38	4.82	8.27	0.79
Non-Stock	324/6TC	20.87	23.23	10.24	33.58	13.98	2.05	14.96	19.69	3.15	1.54	1 - 8	0.5	2.13	2.38	14.02	11	12.5	4 x 0.65	24.96	27.36	1	4.38	4.82	8.27	0.79
	365/5TC	20.87	23.23	10.24	34.65	13.98	2.05	14.96	19.69	3.15	1.54	1 - 8	0.63	2.38	2.65	14.02	11	12.5	4 x 0.65	24.96	27.36	1	4.38	4.82	8.27	0.87
	405TC	20.87	23.23	10.24	36.61	13.98	2.05	14.96	19.69	3.15	1.54	1 - 8	0.75	2.88	3.21	13.88	11	12.5	4 x 0.73	24.96	27.36	1	4.38	4.82	8.27	0.75

Dimensions shown in this catalog are for general use only.
RX model dimensions are not shown.
For an exact drawing on a specific rating, please contact our sales office.

Competitor Dimensional Comparison - SEW Eurodrive



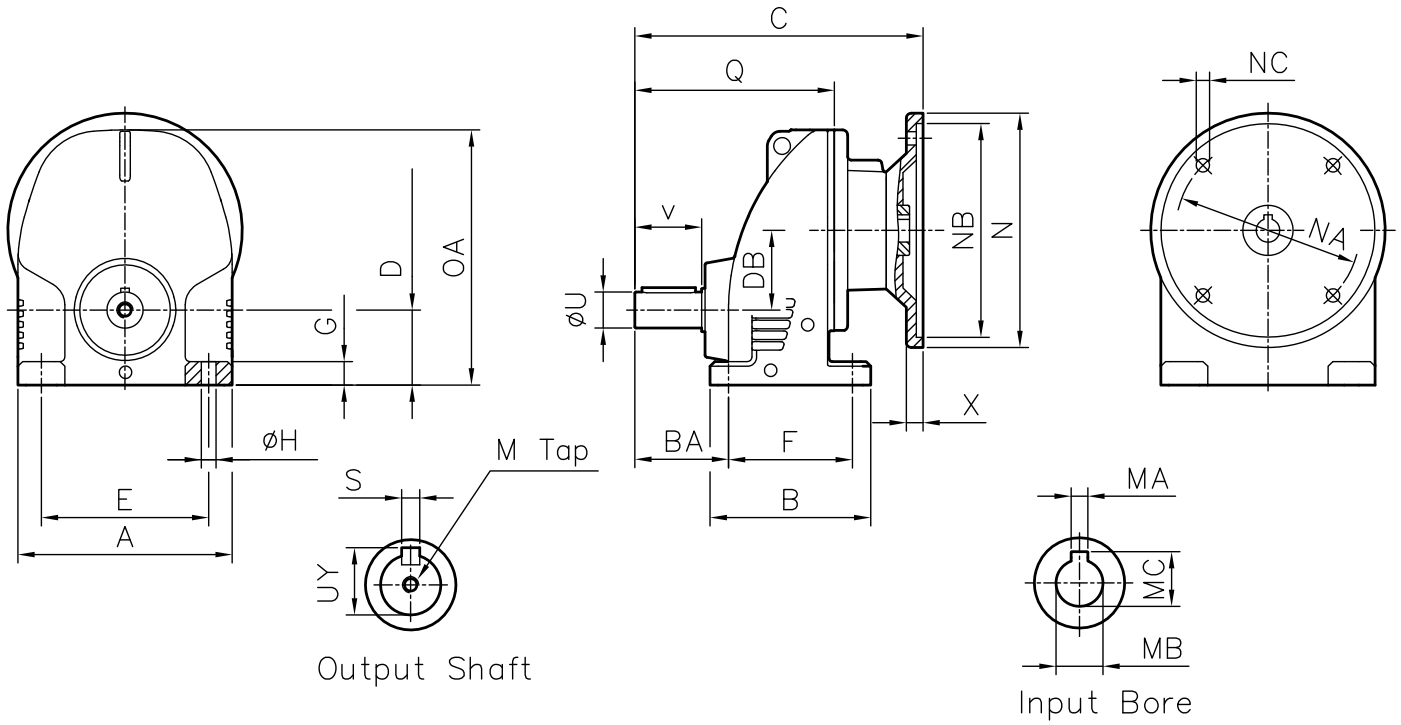
All listed dimensions in inches

Box Size	NEMA Frame	SEW Model	A	B	BA	C	D	DB	E	F	G	H	M (UNC)	MA	MB	MC	N	NA	NB	NC	OA	Q	S	U	UY	V	X
37	56C	R37	5.71	6.30	2.95	11.77	3.54	0.40	4.33	5.12	0.71	0.35	3/8 - 16	0.19	0.63	0.71	6.69	5.87	4.5	4 x 0.41	5.94	7.91	0.25	1	1.11	1.97	0.61
	145TC		5.71	6.30	2.95	12.70	3.54	0.40	4.33	5.12	0.71	0.35	3/8 - 16	0.19	0.88	0.97	6.69	5.87	4.5	4 x 0.41	5.94	7.91	0.25	1	1.11	1.97	0.65
47	56C	R47	6.69	7.68	3.54	12.86	4.53	0.55	5.31	6.50	0.94	0.53	1/2 - 13	0.19	0.63	0.71	6.69	5.87	4.5	4 x 0.41	7.36	9.25	0.25	1.25	1.36	2.36	0.61
	145TC		6.69	7.68	3.54	13.78	4.53	0.55	5.31	6.50	0.94	0.53	1/2 - 13	0.19	0.88	0.97	6.69	5.87	4.5	4 x 0.41	7.36	9.25	0.25	1.25	1.36	2.36	0.65
	182/4TC		6.69	7.68	3.54	15.26	4.53	0.55	5.31	6.50	0.94	0.53	1/2 - 13	0.25	1.13	1.25	8.98	7.24	8.5	4 x 0.59	7.36	9.25	0.25	1.25	1.36	2.36	0.59
57	56C	R57	7.48	7.87	3.94	13.55	4.53	0.44	5.31	6.5	0.94	0.53	1/2-13	0.188	0.625	0.71	6.69	5.875	4.5	4 x 0.35	7.36	10.12	0.31	1.375	1.51	2.76	0.43
	143/5TC		7.48	7.87	3.94	14.47	4.53	0.44	5.31	6.5	0.94	0.53	1/2-13	0.188	0.875	0.98	6.69	5.875	4.5	4 x 0.35	7.36	10.12	0.31	1.375	1.51	2.76	0.47
	182/4TC		7.48	7.87	3.94	15.93	4.53	0.44	5.31	6.5	0.94	0.53	1/2-13	0.25	1.125	1.24	9.0	7.25	8.5	4 x 0.35	7.36	10.12	0.31	1.375	1.51	2.76	0.39
67	56C	R67	8.27	9.25	3.94	14.63	5.12	0.81	5.91	7.68	1.18	0.55	1/2 - 13	0.19	0.63	0.71	6.69	5.87	4.5	4 x 0.41	8.35	11.02	0.31	1.38	1.51	2.76	0.61
	145TC		8.27	9.25	3.94	15.55	5.12	0.81	5.91	7.68	1.18	0.55	1/2 - 13	0.19	0.88	0.97	6.69	5.87	4.5	4 x 0.41	8.35	11.02	0.31	1.38	1.51	2.76	0.65
	182/4TC		8.27	9.25	3.94	17.03	5.12	0.81	5.91	7.68	1.18	0.55	1/2 - 13	0.25	1.13	1.25	8.98	7.24	8.5	4 x 0.59	8.35	11.02	0.31	1.38	1.51	2.76	0.59
77	56C	R77	9.06	9.65	4.53	15.18	5.51	0.63	6.69	8.07	1.18	0.69	5/8 - 11	0.19	0.63	0.71	6.69	5.87	4.5	4 x 0.41	8.98	11.81	0.38	1.63	1.79	3.15	0.61
	145TC		9.06	9.65	4.53	16.06	5.51	0.63	6.69	8.07	1.18	0.69	5/8 - 11	0.19	0.88	0.97	6.69	5.87	4.5	4 x 0.41	8.98	11.81	0.38	1.63	1.79	3.15	0.65
	182/4TC		9.06	9.65	4.53	17.50	5.51	0.63	6.69	8.07	1.18	0.69	5/8 - 11	0.25	1.13	1.25	8.98	7.24	8.5	4 x 0.59	8.98	11.81	0.38	1.63	1.79	3.15	0.59
	213/5TC		9.06	9.65	4.53	19.43	5.51	0.63	6.69	8.07	1.18	0.69	5/8 - 11	0.31	1.38	1.52	8.98	7.24	8.5	4 x 0.59	8.98	11.81	0.38	1.63	1.79	3.15	0.63
87	145TC	R87	11.42	12.20	5.51	18.71	7.09	0.50	8.46	10.24	1.77	0.69	3/4 - 10	0.19	0.88	0.97	6.69	5.87	4.5	4 x 0.41	11.61	14.65	0.5	2.13	2.35	3.94	0.65
	182/4TC		11.42	12.20	5.51	20.15	7.09	0.50	8.46	10.24	1.77	0.69	3/4 - 10	0.25	1.13	1.25	8.98	7.24	8.5	4 x 0.59	11.61	14.65	0.5	2.13	2.35	3.94	0.59
	213/5TC		11.42	12.20	5.51	22.07	7.09	0.50	8.46	10.24	1.77	0.69	3/4 - 10	0.31	1.38	1.52	8.98	7.24	8.5	4 x 0.59	11.61	14.65	0.5	2.13	2.35	3.94	0.63
97	182/4TC	R97	13.39	14.37	6.30	22.62	8.86	0.40	9.84	12.20	2.17	0.87	3/4 - 10	0.25	1.13	1.25	8.98	7.24	8.5	4 x 0.59	14.49	17.32	0.63	2.38	2.65	4.72	0.59
	213/5TC		13.39	14.37	6.30	24.55	8.86	0.40	9.84	12.20	2.17	0.87	3/4 - 10	0.31	1.38	1.52	8.98	7.24	8.5	4 x 0.59	14.49	17.32	0.63	2.38	2.65	4.72	0.63
	254/6TC		13.39	14.37	6.30	26.54	8.86	0.40	9.84	12.20	2.17	0.87	3/4 - 10	0.38	1.63	1.8	8.98	7.24	8.5	4 x 0.59	14.49	17.32	0.63	2.38	2.65	4.72	0.67
	284/6TC		13.39	14.37	6.30	26.81	8.86	0.40	9.84	12.20	2.17	0.87	3/4 - 10	0.50	1.88	2.1	11.26	9	10.5	4 x 0.59	14.49	17.32	0.63	2.38	2.65	4.72	0.99
107	213/5TC	R107	15.75	17.32	7.28	26.48	9.84	0.80	11.42	14.57	2.56	1.02	3/4 - 10	0.31	1.38	1.52	8.98	7.24	8.5	4 x 0.59	16.06	19.49	0.75	2.88	3.2	5.51	0.63
	254/6TC		15.75	17.32	7.28	28.47	9.84	0.80	11.42	14.57	2.56	1.02	3/4 - 10	0.38	1.63	1.8	8.98	7.24	8.5	4 x 0.59	16.06	19.49	0.75	2.88	3.2	5.51	0.67
	284/6TC		15.75	17.32	7.28	28.75	9.84	0.80	11.42	14.57	2.56	1.02	3/4 - 10	0.50	1.88	2.1	11.26	9	10.5	4 x 0.59	16.06	19.49	0.75	2.88	3.2	5.51	0.79
	324/6TC		15.75	17.32	7.28	31.11	9.84	0.80	11.42	14.57	2.56	1.02	3/4 - 10	0.50	2.13	2.36	14.02	11	12.5	4 x 0.69	16.06	19.49	0.75	2.88	3.2	5.51	0.87
137	254/6TC	R137	17.72	19.29	8.66	31.89	12.40	0.99	13.39	16.14	2.76	1.30	1 - 8	0.38	1.63	1.8	8.98	7.24	8.5	4 x 0.59	19.49	23.19	0.88	3.63	4.01	6.69	0.67
	284/6TC		17.72	19.29	8.66	32.17	12.40	0.99	13.39	16.14	2.76	1.30	1 - 8	0.50	1.88	2.1	11.26	9	10.5	4 x 0.59	19.49	23.19	0.88	3.63	4.01	6.69	0.79
Non-Stock	324/6TC		17.72	19.29	8.66	34.53	12.40	0.99	13.39	16.14	2.76	1.30	1 - 8	0.50	2.13	2.36	14.02	11	12.5	4 x 0.69	19.49	23.19	0.88	3.63	4.01	6.69	0.87
	365/5TC		17.72	19.29	8.66	34.53	12.40	0.99	13.39	16.14	2.76	1.30	1 - 8	0.63	2.38	2.66	14.02	11	12.5	4 x 0.69	19.49	23.19	0.88	3.63	4.01	6.69	0.87
147	254/6TC	R147	20.87	23.23	10.24	35.75	13.98	1.31	14.96	19.69	3.15	1.54	1 - 8	0.38	1.63	1.8	8.98	7.24	8.5	4 x 0.59	22.24	27.36	1	4.38	4.82	8.27	0.67
	284/6TC		20.87	23.23	10.24	36.02	13.98	1.31	14.96	19.69	3.15	1.54	1 - 8	0.50	1.88	2.1	11.26	9	10.5	4 x 0.59	22.24	27.36	1	4.38	4.82	8.27	0.79
Non-Stock	324/6TC		20.87	23.23	10.24	38.39	13.98	1.31	14.96	19.69	3.15	1.54	1 - 8	0.50	2.13	2.36	14.02	11	12.5	4 x 0.69	22.24	27.36	1	4.38	4.82	8.27	0.87
	365/5TC		20.87	23.23	10.24	38.39	13.98	1.31	14.96	19.69	3.15	1.54	1 - 8	0.63	2.38	2.66	14.02	11	12.5	4 x 0.69	22.24	27.36	1	4.38	4.82	8.27	0.87

SEW Eurodrive dimensional data was derived from their Catalog - US - GM.
Blue shaded cells indicate a dimensional difference.

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Single Stage Competitor Dimensional Comparison - SEW Eurodrive



All listed dimensions in inches																										
Box Size	NEMA Frame	SEW Model	A	B	BA	C	D	DB	E	F	G	H	M (UNC)	MA	MB	MC	N	NA	NB	NC	OA	Q	S	U	UY	V	X
	56C		6.14	5.39	2.20	10.28	2.48	2.05	4.92	4.33	0.71	0.43	1/4-20	0.188	0.625	0.71	6.69	5.875	4.50	0.41	7.95	6.85	0.19	0.75	0.83	1.57	0.43
57	143/5TC	R57	6.14	5.39	2.20	11.2	2.48	2.05	4.92	4.33	0.71	0.43	1/4-20	0.188	0.875	0.98	6.69	5.875	4.50	0.41	7.95	6.85	0.19	0.75	0.83	1.57	0.47
	182/4TC		6.14	5.39	2.20	12.66	2.48	2.05	4.92	4.33	0.71	0.43	1/4-20	0.250	1.125	1.24	8.98	7.250	8.50	0.59	7.95	6.85	0.19	0.75	0.83	1.57	0.39
	56C		6.69	5.91	2.95	11.34	3.15	2.36	5.31	4.72	0.79	0.53	3/8-16	0.188	0.625	0.71	6.69	5.875	4.50	0.41	8.90	7.91	0.25	1.00	1.11	1.97	0.43
67	145TC	R67	6.69	5.91	2.95	12.26	3.15	2.36	5.31	4.72	0.79	0.53	3/8-16	0.188	0.875	0.98	6.69	5.875	4.50	0.41	8.90	7.91	0.25	1.00	1.11	1.97	0.47
	182/4TC		6.69	5.91	2.95	13.72	3.15	2.36	5.31	4.72	0.79	0.53	3/8-16	0.250	1.125	1.24	8.98	7.250	8.50	0.59	8.90	7.91	0.25	1.00	1.11	1.97	0.39
	56C		8.03	7.48	3.35	12.13	3.54	2.83	6.69	5.91	0.98	0.69	1/2-13	0.188	0.625	0.71	6.69	5.875	4.50	0.41	10.67	8.94	0.25	1.25	1.36	2.36	0.43
77	145TC	R77	8.03	7.48	3.35	13.01	3.54	2.83	6.69	5.91	0.98	0.69	1/2-13	0.188	0.875	0.98	6.69	5.875	4.50	0.41	10.67	8.94	0.25	1.25	1.36	2.36	0.47
	182/4TC		8.03	7.48	3.35	14.43	3.54	2.83	6.69	5.91	0.98	0.69	1/2-13	0.250	1.125	1.24	8.98	7.250	8.50	0.59	10.67	8.94	0.25	1.25	1.36	2.36	0.39
	213/5TC		8.03	7.48	3.35	16.36	3.54	2.83	6.69	5.91	0.98	0.69	1/2-13	0.312	1.375	1.52	8.98	7.250	8.50	0.59	10.67	8.94	0.25	1.25	1.36	2.36	0.43
	145TC		10.47	8.11	4.33	15.89	3.94	3.68	8.46	6.30	1.18	0.69	5/8-11	0.250	1.125	1.24	8.98	7.250	8.50	0.59	13.07	10.59	0.38	1.63	1.79	3.15	0.39
87	182/4TC	R87	10.47	8.11	4.33	17.81	3.94	3.68	8.46	6.30	1.18	0.69	5/8-11	0.312	1.375	1.52	8.98	7.250	8.50	0.59	13.07	10.59	0.38	1.63	1.79	3.15	0.43
	213/5TC		10.47	8.11	4.33	19.80	3.94	3.68	8.46	6.30	1.18	0.69	5/8-11	0.375	1.625	1.80	8.98	7.250	8.50	0.59	13.07	10.59	0.38	1.63	1.79	3.15	0.47
	182/4TC		12.60	9.45	5.51	17.54	4.41	4.57	9.84	7.28	1.38	0.87	3/4-10	0.250	1.125	1.24	8.98	7.250	8.50	0.59	15.47	12.44	0.50	2.125	2.35	3.94	0.39
	213/5TC		12.60	9.45	5.51	19.47	4.41	4.57	9.84	7.28	1.38	0.87	3/4-10	0.312	1.375	1.52	8.98	7.250	8.50	0.59	15.47	12.44	0.50	2.125	2.35	3.94	0.43
97	254/6TC	R97	12.60	9.45	5.51	21.46	4.41	4.57	9.84	7.28	1.38	0.87	3/4-10	0.375	1.625	1.80	8.98	7.250	8.50	0.59	15.47	12.44	0.50	2.125	2.35	3.94	0.47
	284/6TC		12.60	9.45	5.51	21.73	4.41	4.57	9.84	7.28	1.38	0.87	3/4-10	0.500	1.875	2.10	11.26	9.000	10.50	0.59	15.47	12.44	0.50	2.125	2.35	3.94	0.79
	324TC		12.60	9.45	5.51	24.09	4.41	4.57	9.84	7.28	1.38	0.87	3/4-10	0.500	2.125	2.36	14.02	11.000	12.50	0.69	15.47	12.44	0.50	2.125	2.35	3.94	0.67
	182/4TC		14.17	10.24	5.98	19.19	5.51	5.12	12.20	8.27	1.77	0.87	3/4-10	0.250	1.125	1.24	8.98	7.250	8.50	0.59	18.07	14.33	0.63	2.375	2.65	4.72	0.39
	213/5TC		14.17	10.24	5.98	21.12	5.51	5.12	12.20	8.27	1.77	0.87	3/4-10	0.312	1.375	1.52	8.98	7.250	8.50	0.59	18.07	14.33	0.63	2.375	2.65	4.72	0.43
107	254/6TC	R107	14.17	10.24	5.98	23.11	5.51	5.12	12.20	8.27	1.77	0.87	3/4-10	0.375	1.625	1.80	8.98	7.250	8.50	0.59	18.07	14.33	0.63	2.375	2.65	4.72	0.47
	284/6TC		14.17	10.24	5.98	23.39	5.51	5.12	12.20	8.27	1.77	0.87	3/4-10	0.500	1.875	2.10	11.26	9.000	10.50	0.59	18.07	14.33	0.63	2.375	2.65	4.72	0.59
	324/6TC		14.17	10.24	5.98	25.75	5.51	5.12	12.20	8.27	1.77	0.87	3/4-10	0.500	2.125	2.36	14.02	11.000	12.50	0.69	18.07	14.33	0.63	2.375	2.65	4.72	0.67

SEW Eurodrive dimensional data was derived from their Catalog - US - GM.
Blue shaded cells indicate a dimensional difference.

KAN & KHN Series
Helical-Bevel

Product Specifications & Order Codes

- 5:1 - 120:1 ratios
- Additional ratios via custom order
- Box sizes 37 - 97
- Horsepower range from 3/4 HP to 30 HP
- **KAN Series:** Torque arm mounted or flange mounted - hollow bore output series. Torque arm and B5 flange are sold separately.
- **KHN Series:** Foot mounted - hollow bore output series
- All cast iron housings for increased strength and reliability
- Gears are precision machined for better rotation and quieter operation
- Gearbox flanges are designed to accept NEMA C-face electric motors
- Drop-in for most major European-produced inline reducer brands
- 2 year warranty


KAN Series


KHN Series

Box Size	Nominal Ratio	Actual Ratio	Output RPM @ 1750 RPM Input	Input HP	S.C.	Output Torque (lbs. in.)	O.H.L. (lbs.)	Motor Frame	Stages	Approx. Weight (lbs.)	KAN Model Number	KAN List Price	KHN Model Number	KHN List Price
37	5	4.72	370	0.75	III	120	450	56C	3	32	KAN37-5/1-H-56C	$1,606.29	KHN37-5/1-H-56C	$1,650.47
	5	4.72	370	2.00	III	310	430	143/5TC	3	37	KAN37-5/1-H-143/5TC	$1,606.29	KHN37-5/1-H-143/5TC	$1,650.47
	7.5	7.96	220	0.75	III	190	530	56C	3	32	KAN37-7.5/1-H-56C	$1,606.29	KHN37-7.5/1-H-56C	$1,650.47
	7.5	7.96	220	2.00	III	520	490	143/5TC	3	37	KAN37-7.5/1-H-143/5TC	$1,606.29	KHN37-7.5/1-H-143/5TC	$1,650.47
	10	11.09	158	0.75	III	270	590	56C	3	32	KAN37-10/1-H-56C	$1,606.29	KHN37-10/1-H-56C	$1,650.47
	10	11.09	158	2.00	III	720	550	143/5TC	3	37	KAN37-10/1-H-143/5TC	$1,606.29	KHN37-10/1-H-143/5TC	$1,650.47
	15	15.32	114	0.75	III	380	650	56C	3	32	KAN37-15/1-H-56C	$1,606.29	KHN37-15/1-H-56C	$1,650.47
	15	15.32	114	2.00	II	1000	590	143/5TC	3	37	KAN37-15/1-H-143/5TC	$1,606.29	KHN37-15/1-H-143/5TC	$1,650.47
	25	23.10	76	0.75	III	570	730	56C	3	32	KAN37-25/1-H-56C	$1,606.29	KHN37-25/1-H-56C	$1,650.47
	25	23.10	76	2.00	I	1510	600	143/5TC	3	37	KAN37-25/1-H-143/5TC	$1,606.29	KHN37-25/1-H-143/5TC	$1,650.47
	30	32.19	54	0.75	III	790	810	56C	3	32	KAN37-30/1-H-56C	$1,606.29	KHN37-30/1-H-56C	$1,650.47
	30	32.19	54	1.00	II	1050	780	143TC	3	37	KAN37-30/1-H-143TC	$1,606.29	KHN37-30/1-H-143TC	$1,650.47
	40	37.97	46	0.75	II	930	850	56C	3	32	KAN37-40/1-H-56C	$1,606.29	KHN37-40/1-H-56C	$1,650.47
	40	37.97	46	1.00	I	1240	810	143TC	3	37	KAN37-40/1-H-143TC	$1,606.29	KHN37-40/1-H-143TC	$1,650.47
	50	49.51	35	0.75	I	1210	910	56C	3	32	KAN37-50/1-H-56C	$1,606.29	KHN37-50/1-H-56C	$1,650.47
	60	59.67	29	0.75	I	1460	940	56C	3	32	KAN37-60/1-H-56C	$1,606.29	KHN37-60/1-H-56C	$1,650.47
47	5	5.85	299	2.00	III	380	510	145TC	3	51	KAN47-5/1-H-145TC	$1,744.03	KHN47-5/1-H-145TC	$1,806.09
	5	5.85	299	5.00	II	960	450	182/4TC	3	57	KAN47-5/1-H-182/4TC	$1,744.03	KHN47-5/1-H-182/4TC	$1,806.09
	7.5	7.11	246	2.00	III	460	530	145TC	3	51	KAN47-7.5/1-H-145TC	$1,744.03	KHN47-7.5/1-H-145TC	$1,806.09
	7.5	7.11	246	5.00	II	1160	460	182/4TC	3	57	KAN47-7.5/1-H-182/4TC	$1,744.03	KHN47-7.5/1-H-182/4TC	$1,806.09
	10	9.95	176	0.75	III	240	620	56C	3	46	KAN47-10/1-H-56C	$1,744.03	KHN47-10/1-H-56C	$1,806.09
	10	9.95	176	2.00	III	650	580	143/5TC	3	51	KAN47-10/1-H-143/5TC	$1,744.03	KHN47-10/1-H-143/5TC	$1,806.09
	10	9.95	176	5.00	I	1620	470	182/4TC	3	57	KAN47-10/1-H-182/4TC	$1,744.03	KHN47-10/1-H-182/4TC	$1,806.09
	15	16.99	103	2.00	III	1110	670	145TC	3	51	KAN47-15/1-H-145TC	$1,744.03	KHN47-15/1-H-145TC	$1,806.09
	15	16.99	103	3.00	II	1660	600	182TC	3	57	KAN47-15/1-H-182TC	$1,744.03	KHN47-15/1-H-182TC	$1,806.09
	20	20.65	85	2.00	II	1350	690	143/5TC	3	51	KAN47-20/1-H-143/5TC	$1,744.03	KHN47-20/1-H-143/5TC	$1,806.09
	20	20.65	85	3.00	I	2020	610	182TC	3	57	KAN47-20/1-H-182TC	$1,744.03	KHN47-20/1-H-182TC	$1,806.09
	30	28.88	61	0.75	III	710	855	56C	3	46	KAN47-30/1-H-56C	$1,744.03	KHN47-30/1-H-56C	$1,806.09
	30	28.88	61	2.00	II	1890	730	143/5TC	3	51	KAN47-30/1-H-143/5TC	$1,744.03	KHN47-30/1-H-143/5TC	$1,806.09
	40	41.36	42	0.75	III	1010	950	56C	3	46	KAN47-40/1-H-56C	$1,744.03	KHN47-40/1-H-56C	$1,806.09
	40	41.36	42	2.00	I	2700	750	143/5TC	3	51	KAN47-40/1-H-143/5TC	$1,744.03	KHN47-40/1-H-143/5TC	$1,806.09
	50	47.08	37	0.75	III	1150	980	56C	3	46	KAN47-50/1-H-56C	$1,744.03	KHN47-50/1-H-56C	$1,806.09
	50	47.08	37	2.00	I	3080	750	143TC	3	51	KAN47-50/1-H-143TC	$1,744.03	KHN47-50/1-H-143TC	$1,806.09
	60	58.99	30	0.75	III	1440	1030	56C	3	46	KAN47-60/1-H-56C	$1,744.03	KHN47-60/1-H-56C	$1,806.09
	60	58.99	30	1.00	II	1930	980	143TC	3	51	KAN47-60/1-H-143TC	$1,744.03	KHN47-60/1-H-143TC	$1,806.09
	70	71.78	24	0.75	III	1760	1070	56C	3	46	KAN47-70/1-H-56C	$1,744.03	KHN47-70/1-H-56C	$1,806.09
	70	71.78	24	1.00	II	2340	1000	143TC	3	51	KAN47-70/1-H-143TC	$1,744.03	KHN47-70/1-H-143TC	$1,806.09
	85	86.89	20	0.75	II	2130	1110	56C	3	46	KAN47-85/1-H-56C	$1,744.03	KHN47-85/1-H-56C	$1,806.09
57	10	11.00	159	5.00	II	1800	730	182/4TC	3	66	KAN57-10/1-H-182/4TC	$1,941.98	---	---
	18	17.57	100	5.00	I	2870	720	182/4TC	3	68	---	---	KHN57-18/1-H-182/4TC	$1,941.98
	20	22.24	79	5.00	I	3630	710	182/4TC	3	68	KAN57-20/1-H-182/4TC	$1,941.98	KHN57-20/1-H-182/4TC	$1,941.98
	30	32.22	54	2.00	III	2100	1100	143/5TC	3	59	KAN57-30/1-H-143/5TC	$1,941.98	---	---
	30	32.22	54	3.00	II	3160	980	182TC	3	66	KAN57-30/1-H-182TC	$1,941.98	KHN57-30/1-H-182TC	$1,941.98
	40	41.71	42	0.75	III	1020	1320	56C	3	58	---	---	KHN57-40/1-H-56C	$1,941.98
	40	41.71	42	2.00	II	2720	1150	143/5TC	3	62	---	---	KHN57-40/1-H-143/5TC	$1,941.98
	40	41.71	42	3.00	I	4090	990	182TC	3	66	KAN57-40/1-H-182TC	$1,941.98	KHN57-40/1-H-182TC	$1,941.98
	45	44.43	39	2.00	II	2900	1110	145TC	3	59	KAN57-45/1-H-145TC	$1,941.98	---	---
	45	44.43	39	3.00	I	4350	920	182TC	3	68	KAN57-45/1-H-182TC	$1,941.98	KHN57-45/1-H-182TC	$1,941.98
	65	65.13	27	0.75	III	1600	1460	56C	3	58	---	---	KHN57-65/1-H-56C	$1,941.98
	65	65.13	27	2.00	I	4250	1140	143/5TC	3	59	KAN57-65/1-H-143/5TC	$1,941.98	KHN57-65/1-H-143/5TC	$1,941.98
	110	108.29	16	1.00	II	3540	1540	143TC	3	62	---	---	KHN57-110/1-H-143TC	$1,941.98
	120	118.43	15	0.75	II	2900	1670	56C	3	59	KAN57-120/1-H-56C	$1,941.98	KHN57-120/1-H-56C	$1,941.98
	120	118.43	15	1.00	I	3870	1560	143TC	3	59	KAN57-120/1-H-143TC	$1,941.98	KHN57-120/1-H-143TC	$1,941.98
67	10	9.66	181	2.00	III	630	1610	145TC	3	73	KAN67-10/1-H-145TC	$2,129.83	KHN67-10/1-H-145TC	$2,258.65
	10	9.66	181	5.00	III	1580	1360	182/4TC	3	80	KAN67-10/1-H-182/4TC	$2,129.83	KHN67-10/1-H-182/4TC	$2,258.65
	15	14.16	124	0.75	III	350	1900	56C	3	69	KAN67-15/1-H-56C	$2,129.83	KHN67-15/1-H-56C	$2,258.65
	15	14.16	124	2.00	III	920	1750	143/5TC	3	73	KAN67-15/1-H-143/5TC	$2,129.83	KHN67-15/1-H-143/5TC	$2,258.65
	15	14.16	124	5.00	III	2310	1380	182/4TC	3	80	KAN67-15/1-H-182/4TC	$2,129.83	KHN67-15/1-H-182/4TC	$2,258.65
	20	22.18	79	2.00	III	1450	1910	145TC	3	73	KAN67-20/1-H-145TC	$2,129.83	KHN67-20/1-H-145TC	$2,258.65
	20	22.18	79	5.00	III	3620	1340	182/4TC	3	80	KAN67-20/1-H-182/4TC	$2,129.83	KHN67-20/1-H-182/4TC	$2,258.65
	30	30.90	57	2.00	III	2020	1980	145TC	3	73	KAN67-30/1-H-145TC	$2,129.83	KHN67-30/1-H-145TC	$2,258.65
	30	30.90	57	5.00	I	5050	1170	182/4TC	3	80	KAN67-30/1-H-182/4TC	$2,129.83	KHN67-30/1-H-182/4TC	$2,258.65
	40	37.98	46	0.75	III	930	2140	56C	3	69	KAN67-40/1-H-56C	$2,129.83	KHN67-40/1-H-56C	$2,258.65
	40	37.98	46	2.00	III	2480	2020	143/5TC	3	73	KAN67-40/1-H-143/5TC	$2,129.83	KHN67-40/1-H-143/5TC	$2,258.65
	40	37.98	46	3.00	III	3720	1690	182TC	3	80	KAN67-40/1-H-182TC	$2,129.83	KHN67-40/1-H-182TC	$2,258.65

Service Class I (S.F.=1.0) Service Class II (S.F.=1.5) Service Class III (S.F.=2.0) * Service Class < 1

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KAN & KHN Series (Continued...)

Box Size	Nominal Ratio	Actual Ratio	Output RPM @ 1750 RPM Input	Input HP	S.C.	Output Torque (lbs. in.)	O.H.L. (lbs.)	Motor Frame	Stages	Approx. Weight (lbs.)	KAN Model Number	KAN List Price	KHN Model Number	KHN List Price
	45	46.33	38	0.75	III	1130	2140	56C	3	69	KAN67-45/1-H-56C	$2,129.83	KHN67-45/1-H-56C	$2,258.65
	45	46.33	38	2.00	III	3030	2040	143/5TC	3	73	KAN67-45/1-H-143/5TC	$2,129.83	KHN67-45/1-H-143/5TC	$2,258.65
	45	46.33	38	3.00	III	4540	1630	182TC	3	80	KAN67-45/1-H-182TC	$2,129.83	KHN67-45/1-H-182TC	$2,258.65
	65	64.97	27	0.75	III	1590	2140	56C	3	69	KAN67-65/1-H-56C	$2,129.83	KHN67-65/1-H-56C	$2,258.65
	65	64.97	27	2.00	I	4240	2040	143/5TC	3	73	KAN67-65/1-H-143/5TC	$2,129.83	KHN67-65/1-H-143/5TC	$2,258.65
67	85	84.10	21	0.75	III	2060	2140	56C	3	69	KAN67-85/1-H-56C	$2,129.83	KHN67-85/1-H-56C	$2,258.65
	85	84.10	21	2.00	I	5490	1970	143/5TC	3	73	KAN67-85/1-H-143/5TC	$2,129.83	KHN67-85/1-H-143/5TC	$2,258.65
	110	108.03	16	0.75	III	2650	2140	56C	3	69	KAN67-110/1-H-56C	$2,129.83	KHN67-110/1-H-56C	$2,258.65
	110	108.03	16	1.00	III	3530	2140	143TC	3	73	KAN67-110/1-H-143TC	$2,129.83	KHN67-110/1-H-143TC	$2,258.65
	120	118.14	15	0.75	III	2890	2140	56C	3	69	KAN67-120/1-H-56C	$2,129.83	KHN67-120/1-H-56C	$2,258.65
	120	118.14	15	1.00	II	3860	2140	143TC	3	73	KAN67-120/1-H-143TC	$2,129.83	KHN67-120/1-H-143TC	$2,258.65
	7.5	8.40	208	5.00	III	1390	1850	184TC	3	132	KAN77-7.5/1-H-184TC	$3,278.51	KHN77-7.5/1-H-184TC	$3,433.01
	7.5	8.40	208	10.00	III	2780	1540	213/5TC	3	148	KAN77-7.5/1-H-213/5TC	$3,278.51	KHN77-7.5/1-H-213/5TC	$3,433.01
	10	9.96	176	5.00	III	1650	1910	184TC	3	132	KAN77-10/1-H-184TC	$3,278.51	KHN77-10/1-H-184TC	$3,433.01
	10	9.96	176	10.00	III	3290	1540	213/5TC	3	148	KAN77-10/1-H-213/5TC	$3,278.51	KHN77-10/1-H-213/5TC	$3,433.01
	15	15.73	111	5.00	III	2600	2070	184TC	3	132	KAN77-15/1-H-184TC	$3,278.51	KHN77-15/1-H-184TC	$3,433.01
	15	15.73	111	10.00	II	5200	1540	213/5TC	3	148	KAN77-15/1-H-213/5TC	$3,278.51	KHN77-15/1-H-213/5TC	$3,433.01
	20	20.24	86	5.00	III	3350	2130	184TC	3	132	KAN77-20/1-H-184TC	$3,278.51	KHN77-20/1-H-184TC	$3,433.01
	20	20.24	86	10.00	I	6690	1450	213/5TC	3	148	KAN77-20/1-H-213/5TC	$3,278.51	KHN77-20/1-H-213/5TC	$3,433.01
	30	30.48	57	5.00	III	5040	2070	184TC	3	132	KAN77-30/1-H-184TC	$3,278.51	KHN77-30/1-H-184TC	$3,433.01
77	30	30.48	57	10.00	I	10080	960	213/5TC	3	148	KAN77-30/1-H-213/5TC	$3,278.51	KHN77-30/1-H-213/5TC	$3,433.01
	40	39.76	44	5.00	II	6570	2100	184TC	3	132	KAN77-40/1-H-184TC	$3,278.51	KHN77-40/1-H-184TC	$3,433.01
	40	39.76	44	7.50	I	9860	1430	213TC	3	148	KAN77-40/1-H-213TC	$3,278.51	KHN77-40/1-H-213TC	$3,433.01
	50	51.18	34	5.00	II	8460	1990	184TC	3	132	KAN77-50/1-H-184TC	$3,278.51	KHN77-50/1-H-184TC	$3,433.01
	60	57.05	31	5.00	I	9430	1910	182/4TC	3	132	KAN77-60/1-H-182/4TC	$3,278.51	KHN77-60/1-H-182/4TC	$3,433.01
	65	64.06	27	5.00	I	10590	1810	182/4TC	3	132	KAN77-65/1-H-182/4TC	$3,278.51	KHN77-65/1-H-182/4TC	$3,433.01
	80	78.07	22	2.00	III	5160	3090	145TC	3	128	KAN77-80/1-H-145TC	$3,278.51	KHN77-80/1-H-145TC	$3,433.01
	80	78.07	22	3.00	II	7740	2630	182TC	3	132	KAN77-80/1-H-182TC	$3,278.51	KHN77-80/1-H-182TC	$3,433.01
	100	100.66	17	2.00	III	6660	3090	145TC	3	128	KAN77-100/1-H-145TC	$3,278.51	KHN77-100/1-H-145TC	$3,433.01
	100	100.66	17	3.00	I	9990	2510	182TC	3	132	KAN77-100/1-H-182TC	$3,278.51	KHN77-100/1-H-182TC	$3,433.01
	120	122.94	14	1.00	III	4060	3090	143TC	3	128	KAN77-120/1-H-143TC	$3,278.51	KHN77-120/1-H-143TC	$3,433.01
	7.5	8.27	212	10.00	III	2700	2350	213/5TC	3	230	KAN87-7.5/1-H-213/5TC	$5,140.22	KHN87-7.5/1-H-213/5TC	$5,348.36
	7.5	8.27	212	20.00	III	5400	1910	254/6TC	3	257	KAN87-7.5/1-H-254/6TC	$5,140.22	KHN87-7.5/1-H-254/6TC	$5,348.36
	10	10.53	166	5.00	III	1720	2720	184TC	3	208	KAN87-10/1-H-184TC	$5,140.22	KHN87-10/1-H-184TC	$5,348.36
	10	10.53	166	10.00	III	3440	2440	213/5TC	3	230	KAN87-10/1-H-213/5TC	$5,140.22	KHN87-10/1-H-213/5TC	$5,348.36
	10	10.53	166	20.00	III	6880	1880	254/6TC	3	257	KAN87-10/1-H-254/6TC	$5,140.22	KHN87-10/1-H-254/6TC	$5,348.36
	15	15.66	112	10.00	III	5120	2630	213/5TC	3	230	KAN87-15/1-H-213/5TC	$5,140.22	KHN87-15/1-H-213/5TC	$5,348.36
	15	15.66	112	20.00	II	10230	1880	254/6TC	3	257	KAN87-15/1-H-254/6TC	$5,140.22	KHN87-15/1-H-254/6TC	$5,348.36
	20	20.90	84	10.00	III	6830	2580	213/5TC	3	230	KAN87-20/1-H-213/5TC	$5,140.22	KHN87-20/1-H-213/5TC	$5,348.36
	20	20.90	84	20.00	I	13650	1460	254/6TC	3	257	KAN87-20/1-H-254/6TC	$5,140.22	KHN87-20/1-H-254/6TC	$5,348.36
	30	28.30	62	5.00	III	4620	3290	184TC	3	208	KAN87-30/1-H-184TC	$5,140.22	KHN87-30/1-H-184TC	$5,348.36
	30	28.30	62	10.00	III	9240	2530	213/5TC	3	230	KAN87-30/1-H-213/5TC	$5,140.22	KHN87-30/1-H-213/5TC	$5,348.36
87	30	28.30	62	20.00	I	18490	1030	254/6TC	3	257	KAN87-30/1-H-254/6TC	$5,140.22	KHN87-30/1-H-254/6TC	$5,348.36
	40	43.31	40	5.00	III	7070	3550	184TC	3	208	KAN87-40/1-H-184TC	$5,140.22	KHN87-40/1-H-184TC	$5,348.36
	40	43.31	40	10.00	I	14150	2510	213/5TC	3	230	KAN87-40/1-H-213/5TC	$5,140.22	KHN87-40/1-H-213/5TC	$5,348.36
	50	50.45	35	5.00	III	8240	3590	184TC	3	208	KAN87-50/1-H-184TC	$5,140.22	KHN87-50/1-H-184TC	$5,348.36
	50	50.45	35	10.00	I	16480	2380	213/5TC	3	230	KAN87-50/1-H-213/5TC	$5,140.22	KHN87-50/1-H-213/5TC	$5,348.36
	60	61.42	28	5.00	III	10030	3620	184TC	3	208	KAN87-60/1-H-184TC	$5,140.22	KHN87-60/1-H-184TC	$5,348.36
	60	61.42	28	10.00	I	20060	2150	213/5TC	3	230	KAN87-60/1-H-213/5TC	$5,140.22	KHN87-60/1-H-213/5TC	$5,348.36
	70	72.35	24	5.00	II	11810	3620	184TC	3	208	KAN87-70/1-H-184TC	$5,140.22	KHN87-70/1-H-184TC	$5,348.36
	70	72.35	24	7.50	I	17720	2750	213TC	3	230	KAN87-70/1-H-213TC	$5,140.22	KHN87-70/1-H-213TC	$5,348.36
	80	82.86	21	5.00	II	13530	3590	182/4TC	3	208	KAN87-80/1-H-182/4TC	$5,140.22	KHN87-80/1-H-182/4TC	$5,348.36
	110	108.00	16	3.00	III	10580	4480	182TC	3	208	KAN87-110/1-H-182TC	$5,140.22	KHN87-110/1-H-182TC	$5,345.59
	120	117.56	15	3.00	III	11520	4500	182TC	3	208	KAN87-120/1-H-182TC	$5,140.22	KHN87-120/1-H-182TC	$5,345.59
	7.5	8.31	211	20.00	III	5430	5020	254/6TC	3	393	KAN97-7.5/1-H-254/6TC	$7,734.50	KHN97-7.5/1-H-254/6TC	$7,994.31
	7.5	8.31	211	30.00	III	8140	4670	284/6TC	3	402	KAN97-7.5/1-H-284/6TC	$7,734.50	KHN97-7.5/1-H-284/6TC	$7,994.31
	10	10.16	172	10.00	III	3320	5660	213/5TC	3	362	KAN97-10/1-H-213/5TC	$7,734.50	KHN97-10/1-H-213/5TC	$7,994.31
	10	10.16	172	20.00	III	6630	5220	254/6TC	3	393	KAN97-10/1-H-254/6TC	$7,734.50	KHN97-10/1-H-254/6TC	$7,994.31
	10	10.16	172	30.00	III	9950	4780	284/6TC	3	402	KAN97-10/1-H-284/6TC	$7,734.50	KHN97-10/1-H-284/6TC	$7,994.31
	15	14.11	124	10.00	III	4610	6190	213/5TC	3	362	KAN97-15/1-H-213/5TC	$7,734.50	KHN97-15/1-H-213/5TC	$7,994.31
	15	14.11	124	20.00	III	9210	5640	254/6TC	3	393	KAN97-15/1-H-254/6TC	$7,734.50	KHN97-15/1-H-254/6TC	$7,994.31
	15	14.11	124	30.00	III	13820	5100	284/6TC	3	402	KAN97-15/1-H-284/6TC	$7,734.50	KHN97-15/1-H-284/6TC	$7,994.31
	20	21.33	82	10.00	III	6970	6800	213/5TC	3	362	KAN97-20/1-H-213/5TC	$7,734.50	KHN97-20/1-H-213/5TC	$7,994.31
	20	21.33	82	20.00	III	13930	5970	254/6TC	3	393	KAN97-20/1-H-254/6TC	$7,734.50	KHN97-20/1-H-254/6TC	$7,994.31
	20	21.33	82	30.00	II	20900	5150	284/6TC	3	402	KAN97-20/1-H-284/6TC	$7,734.50	KHN97-20/1-H-284/6TC	$7,994.31
97	30	31.19	56	20.00	I	20370	5850	254/6TC	3	393	KAN97-30/1-H-254/6TC	$7,734.50	KHN97-30/1-H-254/6TC	$7,994.31
	30	31.19	56	25.00	I	25470	5170	284/6TC	3	402	KAN97-30/1-H-284/6TC	$7,734.50	KHN97-30/1-H-284/6TC	$7,994.31
	40	38.12	46	10.00	III	12450	7420	213/5TC	3	362	KAN97-40/1-H-213/5TC	$7,734.50	KHN97-40/1-H-213/5TC	$7,994.31
	40	38.12	46	20.00	I	24900	5780	254/6TC	3	393	KAN97-40/1-H-254/6TC	$7,734.50	KHN97-40/1-H-254/6TC	$7,994.31
	50	47.16	37	10.00	II	15400	7630	213/5TC	3	362	KAN97-50/1-H-213/5TC	$7,734.50	KHN97-50/1-H-213/5TC	$7,994.31
	50	47.16	37	15.00	I	23110	6610	254/6TC	3	393	KAN97-50/1-H-254/6TC	$7,734.50	KHN97-50/1-H-254/6TC	$7,994.31
	65	64.72	27	10.00	II	21140	8140	213/5TC	3	362	KAN97-65/1-H-213/5TC	$7,734.50	KHN97-65/1-H-213/5TC	$7,994.31
	65	64.72	27	15.00	I	31710	6890	254TC	3	393	KAN97-65/1-H-254TC	$7,734.50	KHN97-65/1-H-254TC	$7,994.31
	70	71.78	24	10.00	II	23450	8200	213/5TC	3	362	KAN97-70/1-H-213/5TC	$7,734.50	KHN97-70/1-H-213/5TC	$7,994.31
	80	80.07	22	10.00	I	26150	8240	213/5TC	3	362	KAN97-80/1-H-213/5TC	$7,734.50	KHN97-80/1-H-213/5TC	$7,994.31
	100	101.37	17	10.00	I	33110	8260	213/5TC	3	362	KAN97-100/1-H-213/5TC	$7,734.50	KHN97-100/1-H-213/5TC	$7,994.31
	120	119.87	15	7.50	I	29360	9330	213TC	3	362	KAN97-120/1-H-213TC	$7,734.50	KHN97-120/1-H-213TC	$7,994.31

Service Class I (S.F.=1.0) Service Class II (S.F.=1.5) Service Class III (S.F.=2.0) * Service Class < 1

Mechanical Ratings

Box Size	Nominal Ratio	Actual Ratio	Output RPM	Service Factor Values: Max Input HP	Max Output Torque (lbs. in.)	O.H.L. (lbs.)	Stages	Nominal Stock Performance: 56C HP	56C T	56C OHL	143TC HP	143TC T	143TC OHL	145TC HP	145TC T	145TC OHL	182TC HP	182TC T	182TC OHL	184TC HP	184TC T	184TC OHL
	5	4.72	370	8.5	1310	285	3	0.75	120	450	1	150	450	2	310	430						
	7.5	7.96	220	6	1560	335	3	0.75	190	530	1	260	520	2	520	490						
	10	11.09	158	4.33	1570	450	3	0.75	270	590	1	360	590	2	720	550						
	15	15.32	114	3.14	1570	525	3	0.75	380	650	1	500	640	2	1000	590						
37	25	23.10	76	2.2	1660	575	3	0.75	570	730	1	750	700	2	1510	600						
	30	32.19	54	1.66	1750	705	3	0.75	790	810	1	1050	780									
	40	37.97	46	1.43	1770	755	3	0.75	930	850	1	1240	810									
	50	49.51	35	1.09	1770	845	3	0.75	1210	910												
	60	59.67	29	0.91	1770	910	3	0.75	1460	940												
	5	5.85	299	9.2	1760	340	3							2	380	510	3	570	490	5	960	450
	7.5	7.11	246	8.08	1880	365	3							2	460	530	3	700	510	5	1160	460
	10	9.95	176	6.46	2100	405	3	0.75	240	620	1	320	620	2	650	580	3	970	550	5	1620	470
	15	16.99	103	4.52	2510	485	3							2	1110	670	3	1660	600			
	20	20.65	85	3.97	2680	520	3							2	1350	690	3	2020	610			
47	30	28.88	61	3.17	2990	580	3	0.75	710	860	1	940	830	2	1890	730						
	40	41.36	42	2.5	3380	655	3	0.75	1010	950	1	1350	910	2	2700	750						
	50	47.08	37	2.21	3400	700	3	0.75	1150	980	1	1540	940	2	3080	750						
	60	58.99	30	1.84	3540	775	3	0.75	1440	1030	1	1930	980									
	70	71.77	24	1.51	3540	855	3	0.75	1760	1070	1	2340	1000									
	85	86.89	20	1.25	3540	940	3	0.75	2130	1110	1	2840	1030									
	10	11.00	159	9.5	3410	525	3							2	720	840	3	1080	810	5	1800	730
	18	17.57	100	6.26	3590	565	3							2	1150	930	3	1720	860	5	2870	720
	20	22.24	79	5.42	3940	615	3	0.75	540	1080	1	730	1060	2	1450	980	3	2180	890	5	3630	710
	30	32.22	54	4.81	5060	730	3	0.75	790	1220	1	1050	1200	2	2100	1100	3	3160	980			
57	40	41.71	42	3.75	5110	855	3	0.75	1020	1320	1	1360	1290	2	2720	1150	3	4090	990			
	45	44.43	39	3.54	5140	775	3							2	2900	1110	3	4350	920			
	65	65.13	27	2.5	5310	990	3	0.75	1600	1460	1	2130	1400	2	4250	1140						
	110	108.29	16	1.5	5310	1310	3	0.75	2650	1640	1	3540	1540									
	120	118.43	15	1.37	5310	1365	3	0.75	2900	1670	1	3870	1560									
	10	9.66	181	12.06	3800	760	3							2	630	1610	3	950	1530	5	1580	1360
	15	14.16	124	9.23	4270	855	3	0.75	350	1900	1	460	1870	2	920	1750	3	1390	1630	5	2310	1380
	20	22.18	79	6.26	4530	1000	3							2	1450	1910	3	2170	1710	5	3620	1340
	30	30.90	57	5.34	5390	1080	3							2	2020	1980	3	3030	1710	5	5050	1170
67	40	37.98	46	4.62	5730	1150	3	0.75	930	2140	1	1240	2140	2	2480	2020	3	3720	1690			
	45	46.33	38	4.02	6080	1220	3	0.75	1130	2140	1	1510	2140	2	3030	2040	3	4540	1630			
	65	64.97	27	2.95	6260	1385	3	0.75	1590	2140	1	2120	2140	2	4240	2040						
	85	84.10	21	2.46	6760	1500	3	0.75	2060	2140	1	2750	2140	2	5490	1970						
	110	108.03	16	2.06	7260	1645	3	0.75	2650	2140	1	3530	2140									
	120	118.14	15	1.88	7250	1875	3	0.75	2890	2140	1	3860	2140									
	7.5	8.40	208	27.05	7510	505	3													5	1390	1850
	10	9.96	176	24.02	7910	530	3													5	1650	1910
	15	15.73	111	17.64	9170	740	3													5	2600	2070
	20	20.24	86	14.78	9890	800	3													5	3350	2130
	30	30.48	57	10.97	11060	745	3													5	5040	2070
77	40	39.76	44	9.21	12110	980	3													5	6570	2100
	50	51.18	34	7.72	13060	1055	3													5	8460	1990
	60	57.05	31	7.16	13510	1085	3										3	5660	2680	5	9430	1910
	65	64.06	27	6.55	13710	1145	3										3	6350	2670	5	10590	1810
	80	78.07	22	5.38	13710	1385	3							2	5160	3090	3	7740	2630			
	100	100.66	17	4.17	13710	1715	3							2	6660	3090	3	9990	2510			
	120	122.94	14	3.42	13710	2000	3				1	4060	3090									
	7.5	8.27	212	49.53	13370	610	3															
	10	10.53	166	41.81	14380	660	3													5	1720	2720
	15	15.66	112	31.67	16200	1000	3															
	20	20.90	84	25.88	17660	810	3															
	30	28.30	62	20.93	19340	885	3													5	4620	3290
87	40	43.31	40	14.76	20880	1520	3													5	7070	3550
	50	50.45	35	13.04	21490	1645	3													5	8240	3590
	60	61.42	28	11.11	22290	1825	3													5	10030	3620
	70	72.35	24	9.73	22990	1975	3													5	11810	3620
	80	82.86	21	8.72	23600	2110	3										3	8120	4380	5	13530	3590
	110	108.00	16	6.77	23900	2525	3										3	10580	4480			
	120	117.56	15	6.23	23900	2680	3										3	11520	4500			
	7.5	8.31	211	81.48	22110	2820	3															
	10	10.16	172	70.8	23480	2995	3															
	15	14.11	124	64.78	29850	3210	3															
	20	21.33	82	48.5	33790	3630	3															
	30	31.19	56	28.65	29190	4680	3															
97	40	38.12	46	23.33	29050	5230	3															
	50	47.16	37	18.78	28930	5840	3															
	65	64.72	27	18.01	38060	6135	3															
	70	71.78	24	16.23	38060	6475	3															
	80	80.07	22	14.56	38060	6840	3															
	100	101.37	17	11.49	38060	7670	3															
	120	119.87	15	9.72	38060	8295	3															

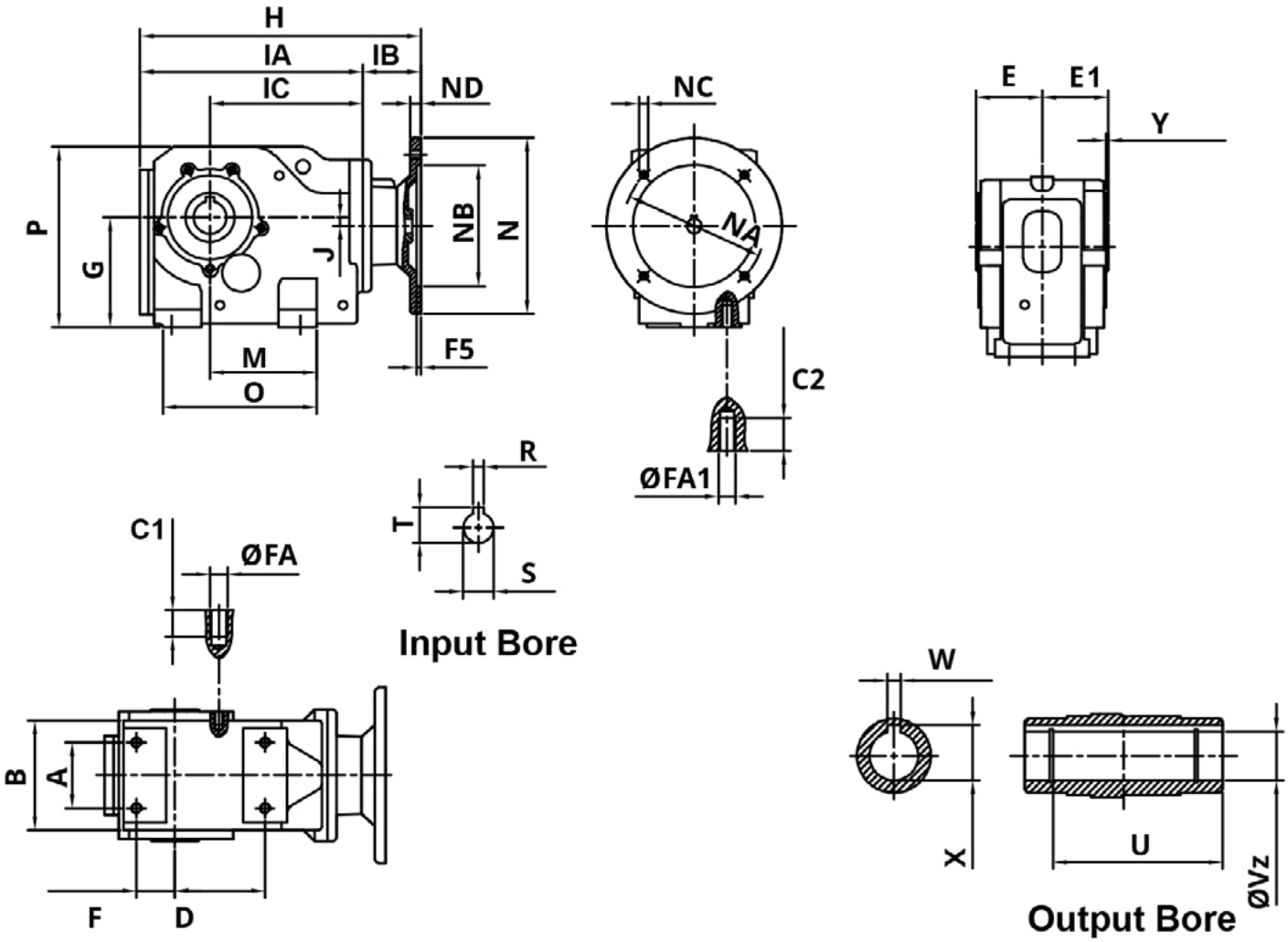
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Mechanical Ratings (Continued...)

Box Size	Nominal Ratio	Actual Ratio	Output RPM	Service Factor Values: Max Input HP	Max Output Torque (lbs. in.)	O.H.L. (lbs.)	Stages	Nominal Stock Performance: 213TC HP	213TC T	213TC OHL	215TC HP	215TC T	215TC OHL	254TC HP	254TC T	254TC OHL	256TC HP	256TC T	256TC OHL	284TC HP	284TC T	284TC OHL	286TC HP	286TC T	286TC OHL
37	5	4.72	370	8.5	1310	285	3																		
	7.5	7.96	220	6	1560	335	3																		
	10	11.09	158	4.33	1570	450	3																		
	15	15.32	114	3.14	1570	525	3																		
	25	23.10	76	2.2	1660	575	3																		
	30	32.19	54	1.66	1750	705	3																		
	40	37.97	46	1.43	1770	755	3																		
	50	49.51	35	1.09	1770	845	3																		
	60	59.67	29	0.91	1770	910	3																		
47	5	5.85	299	9.2	1760	340	3																		
	7.5	7.11	246	8.08	1880	365	3																		
	10	9.95	176	6.46	2100	405	3																		
	15	16.99	103	4.52	2510	485	3																		
	20	20.65	85	3.97	2680	520	3																		
	30	28.88	61	3.17	2990	580	3																		
	40	41.36	42	2.5	3380	655	3																		
	50	47.08	37	2.21	3400	700	3																		
	60	58.99	30	1.84	3540	775	3																		
	70	71.77	24	1.51	3540	855	3																		
	85	86.89	20	1.25	3540	940	3																		
57	10	11.00	159	9.5	3410	525	3																		
	18	17.57	100	6.26	3590	565	3																		
	20	22.24	79	5.42	3940	615	3																		
	30	32.22	54	4.81	5060	730	3																		
	40	41.71	42	3.75	5110	855	3																		
	45	44.43	39	3.54	5140	775	3																		
	65	65.13	27	2.5	5310	990	3																		
	110	108.29	16	1.5	5310	1310	3																		
	120	118.43	15	1.37	5310	1365	3																		
67	10	9.66	181	12.06	3800	760	3																		
	15	14.16	124	9.23	4270	855	3																		
	20	22.18	79	6.26	4530	1000	3																		
	30	30.90	57	5.34	5390	1080	3																		
	40	37.98	46	4.62	5730	1150	3																		
	45	46.33	38	4.02	6080	1220	3																		
	65	64.97	27	2.95	6260	1385	3																		
	85	84.10	21	2.46	6760	1500	3																		
	110	108.03	16	2.06	7260	1645	3																		
	120	118.14	15	1.88	7250	1875	3																		
77	7.5	8.40	208	27.05	7510	505	3	7.5	2080	1700	10	2780	1540												
	10	9.96	176	24.02	7910	530	3	7.5	2470	1730	10	3290	1540												
	15	15.73	111	17.64	9170	740	3	7.5	3900	1810	10	5200	1540												
	20	20.24	86	14.78	9890	800	3	7.5	5020	1790	10	6690	1450												
	30	30.48	57	10.97	11060	745	3	7.5	7560	1510	10	10080	960												
	40	39.76	44	9.21	12110	980	3	7.5	9860	1430															
	50	51.18	34	7.72	13060	1055	3																		
	60	57.05	31	7.16	13510	1085	3																		
	65	64.06	27	6.55	13710	1145	3																		
	80	78.07	22	5.38	13710	1385	3																		
	100	100.66	17	4.17	13710	1715	3																		
	120	122.94	14	3.42	13710	2000	3																		
87	7.5	8.27	212	49.53	13370	610	3	7.5	2020	2460	10	2700	2350	15	4050	2130	20	5400	1910						
	10	10.53	166	41.81	14380	660	3	7.5	2580	2580	10	3440	2440	15	5160	2160	20	6880	1880						
	15	15.66	112	31.67	16200	1000	3	7.5	3840	2820	10	5120	2630	15	7670	2250	20	10230	1880						
	20	20.90	84	25.88	17660	810	3	7.5	5120	2850	10	6830	2580	15	10240	2020	20	13650	1460						
	30	28.30	62	20.93	19340	885	3	7.5	6930	2910	10	9240	2530	15	13870	1780	20	18490	1030						
	40	43.31	40	14.76	20880	1520	3	7.5	10610	3030	10	14150	2510												
	50	50.45	35	13.04	21490	1645	3	7.5	12360	2990	10	16480	2380												
	60	61.42	28	11.11	22290	1825	3	7.5	15040	2890	10	20060	2150												
	70	72.35	24	9.73	22990	1975	3	7.5	17720	2750															
	80	82.86	21	8.72	23600	2110	3																		
	110	108.00	16	6.77	23900	2525	3																		
	120	117.56	15	6.23	23900	2680	3																		
97	7.5	8.31	211	81.48	22110	2820	3							15	4070	5200	20	5430	5020	25	6780	4840	30	8140	4670
	10	10.16	172	70.8	23480	2995	3	7.5	2490	5770	10	3320	5660	15	4980	5440	20	6630	5220	25	8290	5000	30	9950	4780
	15	14.11	124	64.78	29850	3210	3	7.5	3460	6320	10	4610	6190	15	6910	5910	20	9210	5640	25	11520	5370	30	13820	5100
	20	21.33	82	48.5	33790	3630	3	7.5	5220	7000	10	6970	6800	15	10450	6390	20	13930	5970	25	17420	5570	30	20900	5150
	30	31.19	56	28.65	29190	4680	3							15	15280	6520	20	20370	5850	25	25470	5170			
	40	38.12	46	23.33	29050	5230	3	7.5	9340	7830	10	12450	7420	15	18680	6600	20	24900	5780						
	50	47.16	37	18.78	28930	5840	3	7.5	11550	8140	10	15400	7630	15	23110	6610									
	65	64.72	27	18.01	38060	6135	3	7.5	15850	8760	10	21140	8140	15	31710	6890									
	70	71.78	24	16.23	38060	6475	3	7.5	17580	8890	10	23450	8200												
	80	80.07	22	14.56	38060	6840	3	7.5	19610	9020	10	26150	8240												
	100	101.37	17	11.49	38060	7670	3	7.5	24830	9230	10	33110	8260												
	120	119.87	15	9.72	38060	8295	3	7.5	29360	9330															

KAN Series | Dimensions



Dimensions shown in this catalog are for general use only.
For an exact drawing on a specific rating, please contact our sales office.

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KAN Series | Dimensions (Continued...)

All listed dimensions in inches

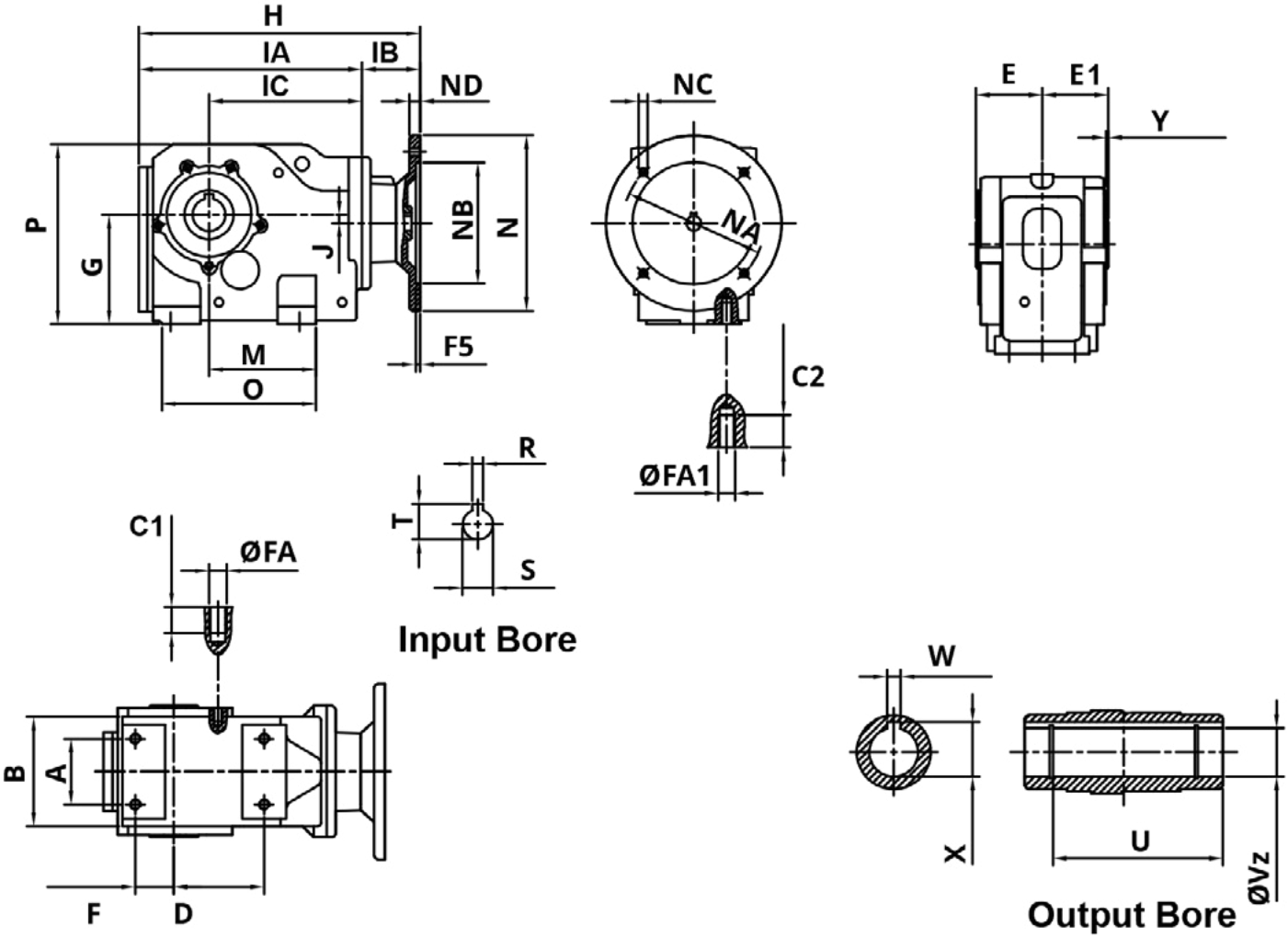
Box Size	NEMA Frame	A	B	C1	C2	D	E	E1	F	FA	FA1	F5	G	H	IA	IB	IC	J	M	O	P
37	56C	2.36	3.94	0.47	0.79	3.23	2.36	2.36	1.38	M8	M10	0.08	3.94	10.49	8.10	2.40	5.47	0.31	3.82	5.51	6.46
	143/5TC	2.36	3.94	0.47	0.79	3.23	2.36	2.36	1.38	M8	M10	0.08	3.94	10.89	8.10	2.80	5.47	0.31	3.82	5.51	6.46
47	56C	2.76	4.17	0.47	0.79	3.94	2.95	2.95	1.57	M8	M10	0.12	4.41	11.68	9.41	2.4	6.54	0.21	4.41	6.65	7.32
	143/5TC	2.76	4.17	0.47	0.79	3.94	2.95	2.95	1.57	M8	M10	0.12	4.41	12.06	9.41	2.8	6.54	0.21	4.41	6.65	7.32
	182/4TC	2.76	4.17	0.47	0.79	3.94	2.95	2.95	1.57	M8	M10	0.12	4.41	12.79	9.41	3.35	6.54	0.21	4.41	6.65	7.32
57	56C	3.46	4.8	0.79	0.98	4.13	3.27	3.27	1.85	M12	M12	0.16	5.2	12.11	10.16	2.15	6.81	0.57	5.2	7.52	8.54
	143/5TC	3.46	4.8	0.79	0.98	4.13	3.27	3.27	1.85	M12	M12	0.20	5.2	12.5	10.16	2.54	6.81	0.57	5.2	7.52	8.54
	182/4TC	3.46	4.8	0.79	0.98	4.13	3.27	3.27	1.85	M12	M12	0.20	5.2	13.23	10.16	3.27	6.81	0.57	5.2	7.52	8.54
67	56C	3.46	5.28	0.79	0.98	4.33	3.54	3.54	1.65	M12	M12	0.14	5.51	12.89	10.75	2.15	7.05	0.75	4.72	6.89	8.98
	143/5TC	3.46	5.28	0.79	0.98	4.33	3.54	3.54	1.65	M12	M12	0.14	5.51	13.29	10.75	2.54	7.05	0.75	4.72	6.89	8.98
	182/4TC	3.46	5.28	0.79	0.98	4.33	3.54	3.54	1.65	M12	M12	0.14	5.51	14.02	10.75	3.27	7.05	0.75	4.72	6.89	8.98
77	143/5TC	4.02	6.46	0.98	1.26	4.80	4.13	4.13	1.89	M12	M16	0.16	7.09	15.06	12.74	2.32	7.95	1.47	5.91	8.66	11.54
	182/4TC	4.02	6.46	0.98	1.26	4.80	4.13	4.13	1.89	M12	M16	0.20	7.09	15.79	12.74	3.05	7.95	1.47	5.91	8.66	11.54
	213/5TC	4.02	6.46	0.98	1.26	4.80	4.13	4.13	1.89	M12	M16	0.20	7.09	18.05	12.74	5.31	7.95	1.47	5.91	8.66	11.54
87	182/4TC	4.65	5.98	1.02	1.26	6.30	4.72	4.72	2.56	M16	M16	0.20	8.35	17.99	15.32	2.68	10.12	1.24	7.48	10.79	13.39
	213/5TC	4.65	5.98	1.02	1.26	6.30	4.72	4.72	2.56	M16	M16	0.20	8.35	20.26	15.32	5.31	10.12	1.24	7.48	10.79	13.39
	254/6TC	4.65	5.98	1.02	1.26	6.30	4.72	4.72	2.56	M16	M16	0.20	8.35	21.24	15.32	5.93	10.12	1.24	7.48	10.79	13.39
97	213/5TC	6.30	9.21	1.02	1.42	6.50	5.91	5.91	3.27	M16	M20	0.20	10.43	22.64	17.64	4.63	10.91	1.82	8.07	12.20	16.42
	254/6TC	6.30	9.21	1.02	1.42	6.50	5.91	5.91	3.27	M16	M20	0.20	10.43	23.25	17.64	5.61	10.91	1.82	8.07	12.20	16.42
	284/6TC	6.30	9.21	1.02	1.42	6.50	5.91	5.91	3.27	M16	M20	0.20	10.43	23.60	17.64	5.96	10.91	1.82	8.07	12.20	16.42

All listed dimensions in inches

Box Size	NEMA Frame	FLANGE (inches)					INPUT BORE (inches)			OUTPUT BORE (inches)					BORE TOLERANCE
		N	NA	NB	NC	ND	R	S	T	U	V	W	X	Y	Z
37	56C	6.50	5.875	4.50	0.41	0.39	0.188	0.625	0.71	4.13	1.25	0.25	1.37	0.08	+0.0018/+0.0008
	143/5TC	6.50	5.875	4.50	0.41	0.47	0.188	0.875	0.97	4.13	1.25	0.25	1.37	0.08	+0.0018/+0.0008
47	56C	6.50	5.875	4.50	0.41	0.39	0.188	0.625	0.71	5.20	1.375	0.31	1.52	0.12	+0.0018/+0.0008
	143/5TC	6.50	5.875	4.50	0.41	0.47	0.188	0.875	0.97	5.20	1.375	0.31	1.52	0.12	+0.0018/+0.0008
	182/4TC	9.00	7.250	8.50	0.55	0.67	0.250	1.125	1.24	5.20	1.375	0.31	1.52	0.12	+0.0018/+0.0008
57	56C	6.50	5.875	4.50	4x0.41	0.39	0.188	0.625	0.71	6.54	1.500	0.38	1.67	0.12	+0.0018/+0.0008
	143/5TC	6.50	5.875	4.50	4x0.41	0.47	0.188	0.875	0.96	6.54	1.500	0.38	1.67	0.12	+0.0018/+0.0008
	182/4TC	9.00	7.250	8.50	4x0.55	0.67	0.250	1.125	1.24	6.54	1.500	0.38	1.67	0.12	+0.0018/+0.0008
67	56C	6.50	5.875	4.50	0.41	0.39	0.188	0.625	0.71	6.14	1.50	0.38	1.67	0.14	+0.0018/+0.0008
	143/5TC	6.50	5.875	4.50	0.41	0.47	0.188	0.875	0.96	6.14	1.50	0.38	1.67	0.14	+0.0018/+0.0008
	182/4TC	9.00	7.250	8.50	0.55	0.67	0.250	1.125	1.24	6.14	1.50	0.38	1.67	0.14	+0.0018/+0.0008
77	143/5TC	6.50	5.875	4.50	0.41	0.47	0.188	0.875	0.96	7.20	2.00	0.50	2.22	0.16	+0.002/+0.0008
	182/4TC	9.00	7.250	8.50	0.55	0.67	0.250	1.125	1.24	7.20	2.00	0.50	2.22	0.16	+0.002/+0.0008
	213/5TC	9.00	7.250	8.50	0.55	0.67	0.312	1.375	1.52	7.20	2.00	0.50	2.22	0.16	+0.002/+0.0008
87	182/4TC	9.00	7.250	8.50	0.55	0.67	0.250	1.125	1.24	8.27	2.375	0.63	2.65	0.16	+0.002/+0.0008
	213/5TC	9.00	7.250	8.50	0.55	0.67	0.312	1.375	1.52	8.27	2.375	0.63	2.65	0.16	+0.002/+0.0008
	254/6TC	10.00	7.250	8.50	0.55	0.79	0.375	1.625	1.80	8.27	2.375	0.63	2.65	0.16	+0.002/+0.0008
97	213/5TC	9.00	7.250	8.50	0.55	0.67	0.312	1.375	1.52	10.63	2.75	0.63	3.03	0.16	+0.002/+0.0008
	254/6TC	10.00	7.250	8.50	0.55	0.79	0.375	1.625	1.80	10.63	2.75	0.63	3.03	0.16	+0.002/+0.0008
	284/6TC	11.26	9.000	10.50	0.59	0.79	0.500	1.875	2.10	10.63	2.75	0.63	3.03	0.16	+0.002/+0.0008

Dimensions shown in this catalog are for general use only.
For an exact drawing on a specific rating, please contact our sales office.

KAN Series | Competitor Dimensional Comparison | SEW Eurodrive



SEW Eurodrive dimensional data was derived from their Catalog 9PD0016/0300.
Blue shaded cells indicate a dimensional difference. All dimensions are in inches.

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KAN Series | Competitor Dimensional Comparison |SEW Eurodrive (Continued...)

All listed dimensions in inches

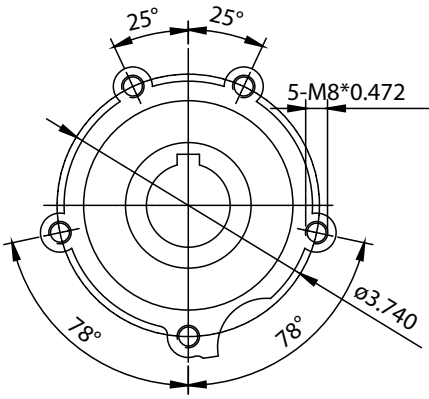
Box Size	NEMA Frame	A	B	C1	C2	D	E	E1	F	FA	FA1	F5	G	H	IA	IB	IC	J	M	O	P
37	56C	2.36	3.94	0.47	0.79	3.23	2.48	2.36	1.38	M8	M10	0.10	3.94	11.95	8.27	3.68	5.47	0.33	3.82	5.79	6.46
	143/5TC	2.36	3.94	0.47	0.79	3.23	2.48	2.36	1.38	M8	M10	0.10	3.94	12.88	8.27	4.61	5.47	0.33	3.82	5.79	6.46
47	56C	2.76	4.33	0.47	0.79	3.94	3.07	2.95	1.57	M8	M10	0.12	4.41	13.00	9.57	3.43	6.54	0.33	4.53	6.69	7.28
	143/5TC	2.76	4.33	0.47	0.79	3.94	3.07	2.95	1.57	M8	M10	0.12	4.41	13.92	9.57	4.35	6.54	0.33	4.53	6.69	7.28
	182/4TC	2.76	4.33	0.47	0.79	3.94	3.07	2.95	1.57	M8	M10	0.12	4.41	15.38	9.57	5.81	6.54	0.33	4.53	6.69	7.28
57	56C	3.46	4.8	0.79	0.98	4.13	3.39	3.27	1.85	M12	M12	0.2	5.2	13.39	10.59	2.8	6.81	0.52	4.72	6.77	7.48
	143/5TC	3.46	4.8	0.79	0.98	4.13	3.39	3.27	1.85	M12	M12	0.2	5.2	14.31	10.59	3.72	6.81	0.52	4.72	6.77	7.48
	182/4TC	3.46	4.8	0.79	0.98	4.13	3.39	3.27	1.85	M12	M12	0.2	5.2	15.77	10.59	5.18	6.81	0.52	4.72	6.77	7.48
67	56C	3.46	5.12	0.79	0.98	4.33	3.70	3.54	1.65	M12	M12	0.14	5.51	14.22	10.79	3.43	7.05	0.79	4.92	7.17	8.90
	143/5TC	3.46	5.12	0.79	0.98	4.33	3.70	3.54	1.65	M12	M12	0.14	5.51	15.14	10.79	4.35	7.05	0.79	4.92	7.17	8.90
	182/4TC	3.46	5.12	0.79	0.98	4.33	3.70	3.54	1.65	M12	M12	0.14	5.51	16.60	10.79	5.81	7.05	0.79	4.92	7.17	8.90
77	143/5TC	4.02	6.06	0.79	1.26	4.80	4.25	4.13	1.89	M12	M16	0.18	7.09	16.35	12.28	4.07	7.95	1.23	5.47	8.03	11.26
	182/4TC	4.02	6.06	0.79	1.26	4.80	4.25	4.13	1.89	M12	M16	0.20	7.09	17.77	12.28	5.49	7.95	1.23	5.47	8.03	11.26
	213/5TC	4.02	6.06	0.79	1.26	4.80	4.25	4.13	1.89	M12	M16	0.20	7.09	19.70	12.28	7.42	7.95	1.23	5.47	10.79	11.26
87	182/4TC	4.65	6.69	1.02	1.26	6.30	4.84	4.72	2.56	M16	M16	0.20	8.35	20.65	15.35	5.3	10.12	1.02	7.48	11.02	13.31
	213/5TC	4.65	6.69	1.02	1.26	6.30	4.84	4.72	2.56	M16	M16	0.20	8.35	22.57	15.35	7.22	10.12	1.02	7.48	11.02	13.31
	254/6TC	4.65	6.69	1.02	1.26	6.30	4.84	4.72	2.56	M16	M16	0.20	8.35	24.56	15.35	9.21	10.12	1.02	7.48	11.02	13.31
97	213/5TC	6.30	8.90	1.02	1.42	6.50	6.02	5.91	3.27	M16	M20	0.20	10.44	24.16	17.13	7.03	10.91	1.27	7.48	11.73	16.30
	254/6TC	6.30	8.90	1.02	1.42	6.50	6.02	5.91	3.27	M16	M20	0.20	10.44	26.15	17.13	9.02	10.91	1.27	7.48	11.73	16.30
	284/6TC	6.30	8.90	1.02	1.42	6.50	6.02	5.91	3.27	M16	M20	0.20	10.44	26.42	17.13	9.29	10.91	1.27	7.48	11.73	16.30

All listed dimensions in inches

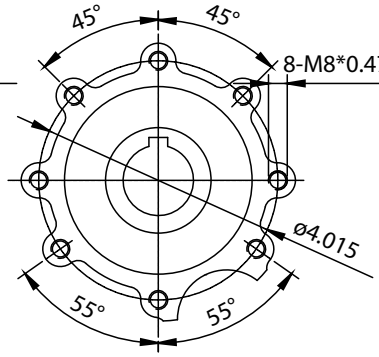
Box Size	NEMA Frame	FLANGE (inches)					INPUT BORE (inches)			OUTPUT BORE (inches)					BORE TOLERANCE
		N	NA	NB	NC	ND	R	S	T	U	V	W	X	Y	Z
37	56C	6.69	5.875	4.50	0.41	0.43	0.188	0.625	0.71	4.13	1.25	0.25	1.37	0.10	+ 0.001 / -0.0
	143/5TC	6.69	5.875	4.50	0.41	0.47	0.188	0.875	0.98	4.13	1.25	0.25	1.37	0.10	+ 0.001 / -0.0
47	56C	6.69	5.875	4.50	0.41	0.43	0.188	0.625	0.71	5.20	1.375	0.31	1.52	0.12	+ 0.001 / -0.0
	143/5TC	6.69	5.875	4.50	0.41	0.47	0.188	0.875	0.98	5.20	1.375	0.31	1.52	0.12	+ 0.001 / -0.0
	182/4TC	8.98	7.250	8.50	0.59	0.39	0.250	1.125	1.24	5.20	1.375	0.31	1.52	0.12	+ 0.001 / -0.0
57	56C	6.69	5.875	4.50	0.41	0.43	0.188	0.625	0.71	5.59	1.50	0.38	1.67	0.12	+ 0.001 / -0.0
	143/5TC	6.69	5.875	4.50	0.41	0.47	0.188	0.875	0.98	5.59	1.50	0.38	1.67	0.12	+ 0.001 / -0.0
	182/4TC	8.98	7.250	8.50	0.59	0.39	0.250	1.125	1.24	5.59	1.50	0.38	1.67	0.12	+ 0.001 / -0.0
67	56C	6.69	5.875	4.50	0.41	0.43	0.188	0.625	0.71	6.14	1.50	0.38	1.67	0.14	+ 0.001 / -0.0
	143/5TC	6.69	5.875	4.50	0.41	0.47	0.188	0.875	0.98	6.14	1.50	0.38	1.67	0.14	+ 0.001 / -0.0
	182/4TC	8.98	7.250	8.50	0.59	0.39	0.250	1.125	1.24	6.14	1.50	0.38	1.67	0.14	+ 0.001 / -0.0
77	143/5TC	6.69	5.875	4.50	0.41	0.47	0.188	0.875	0.98	7.20	2.00	0.50	2.22	0.16	+ 0.001 / -0.0
	182/4TC	6.69	7.250	8.50	0.59	0.39	0.250	1.125	1.24	7.20	2.00	0.50	2.22	0.16	+ 0.001 / -0.0
	213/5TC	8.98	7.250	8.50	0.59	0.43	0.312	1.375	1.52	7.20	2.00	0.50	2.22	0.16	+ 0.001 / -0.0
87	182/4TC	8.98	7.250	8.50	0.59	0.39	0.250	1.125	1.24	8.27	2.375	0.63	2.65	0.16	+ 0.001 / -0.0
	213/5TC	8.98	7.250	8.50	0.59	0.43	0.312	1.375	1.52	8.27	2.375	0.63	2.65	0.16	+ 0.001 / -0.0
	254/6TC	8.98	7.250	8.50	0.59	0.47	0.375	1.625	1.80	8.27	2.375	0.63	2.65	0.16	+ 0.001 / -0.0
97	213/5TC	8.98	7.250	8.50	0.59	0.43	0.312	1.375	1.52	10.63	2.75	0.63	3.03	0.16	+ 0.001 / -0.0
	254/6TC	8.98	7.250	8.50	0.59	0.47	0.375	1.625	1.80	10.63	2.75	0.63	3.03	0.16	+ 0.001 / -0.0
	284/6TC	11.26	9.000	10.50	0.59	0.79	0.500	1.875	2.10	10.63	2.75	0.63	3.03	0.16	+ 0.001 / -0.0

SEW Eurodrive dimensional data was derived from their Catalog 9PD0016/0300.
Blue shaded cells indicate a dimensional difference. All dimensions are in inches.

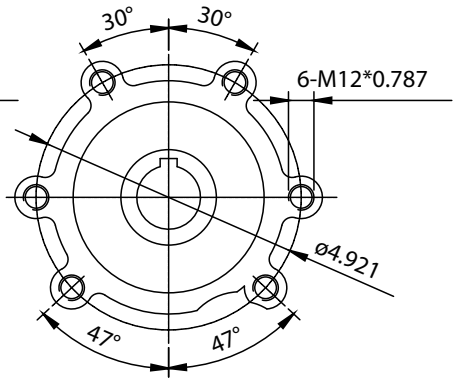
KAN Series | Integrated Output Mounting Dimensions



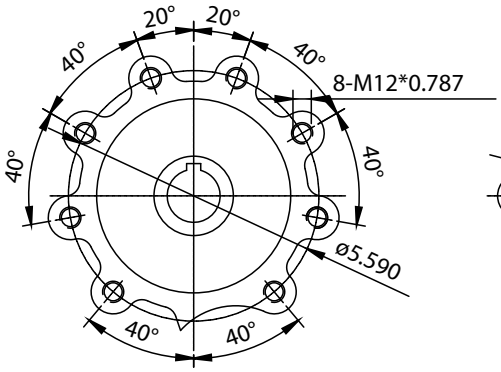
K37



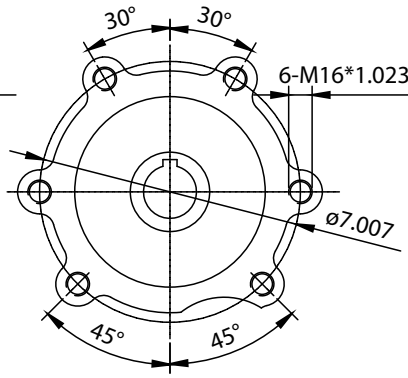
K47



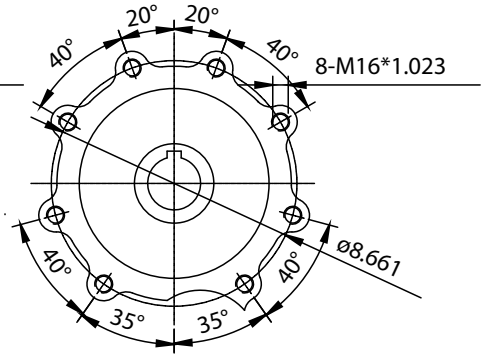
K57/67



K77



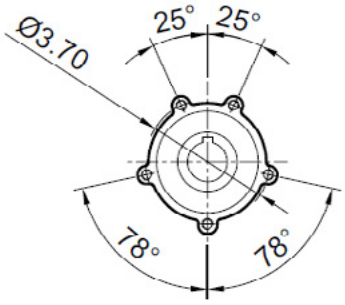
K87



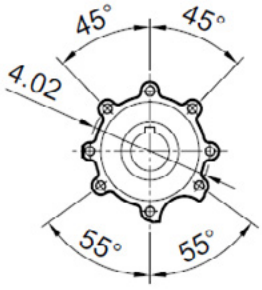
K97

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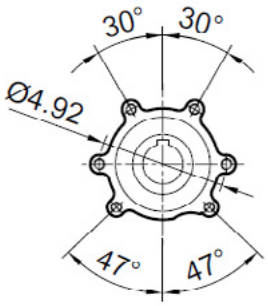
KAN Series | Competitor Dimensional Comparison- SEW Eurodrive



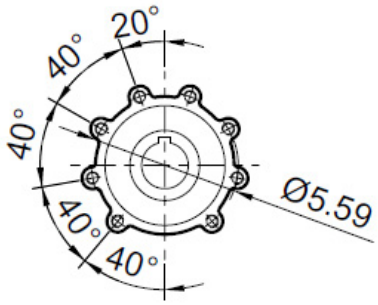
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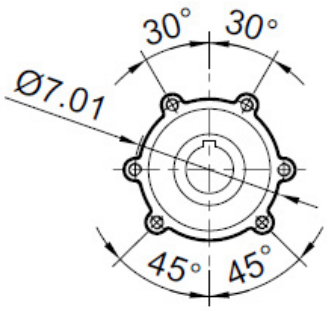
KA47



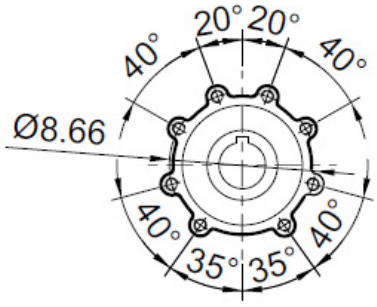
KA57/67



KA77

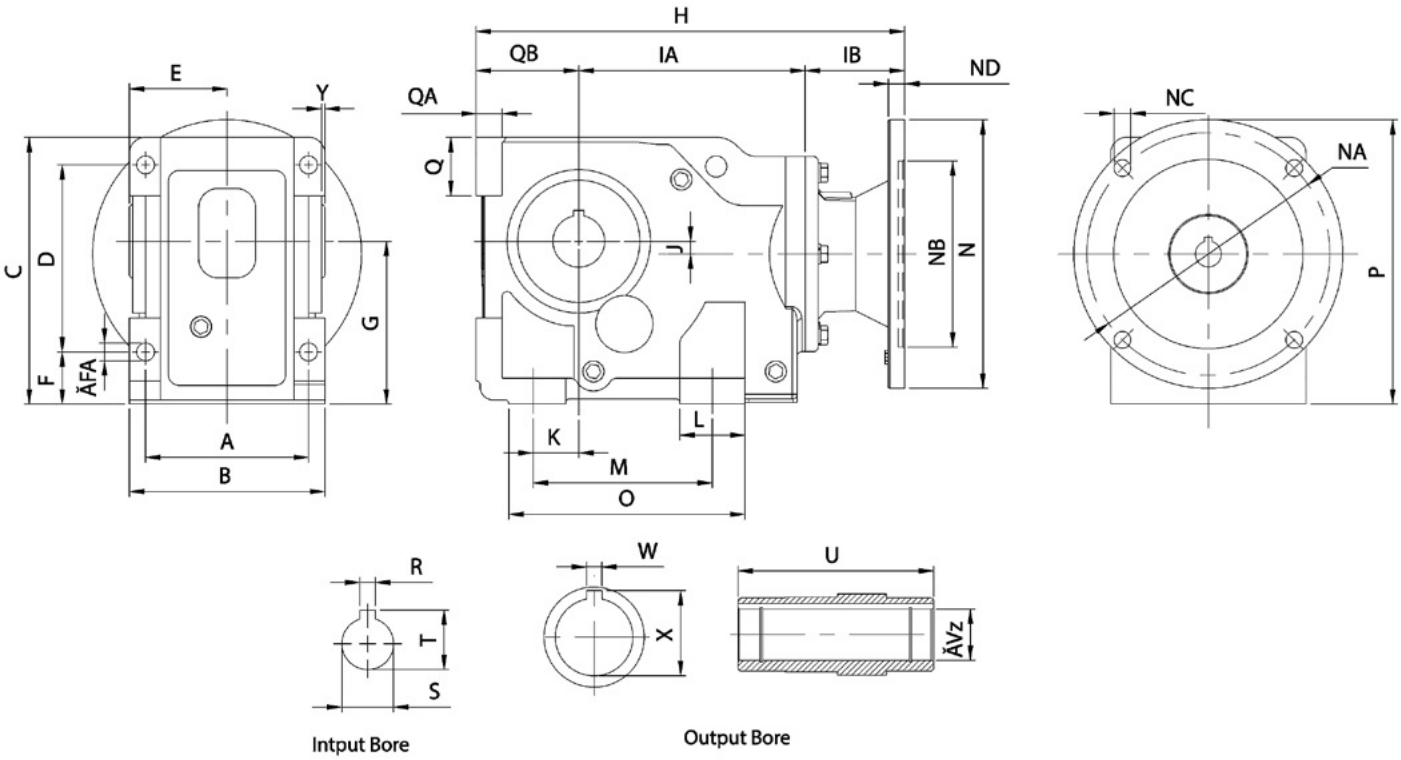


KA87



KA97

KHN Series | Dimensions



Dimensions shown in this catalog are for general use only.
For an exact drawing on a specific rating, please contact our sales office.

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KHN Series | Dimensions (Continued...)

All listed dimensions in inches

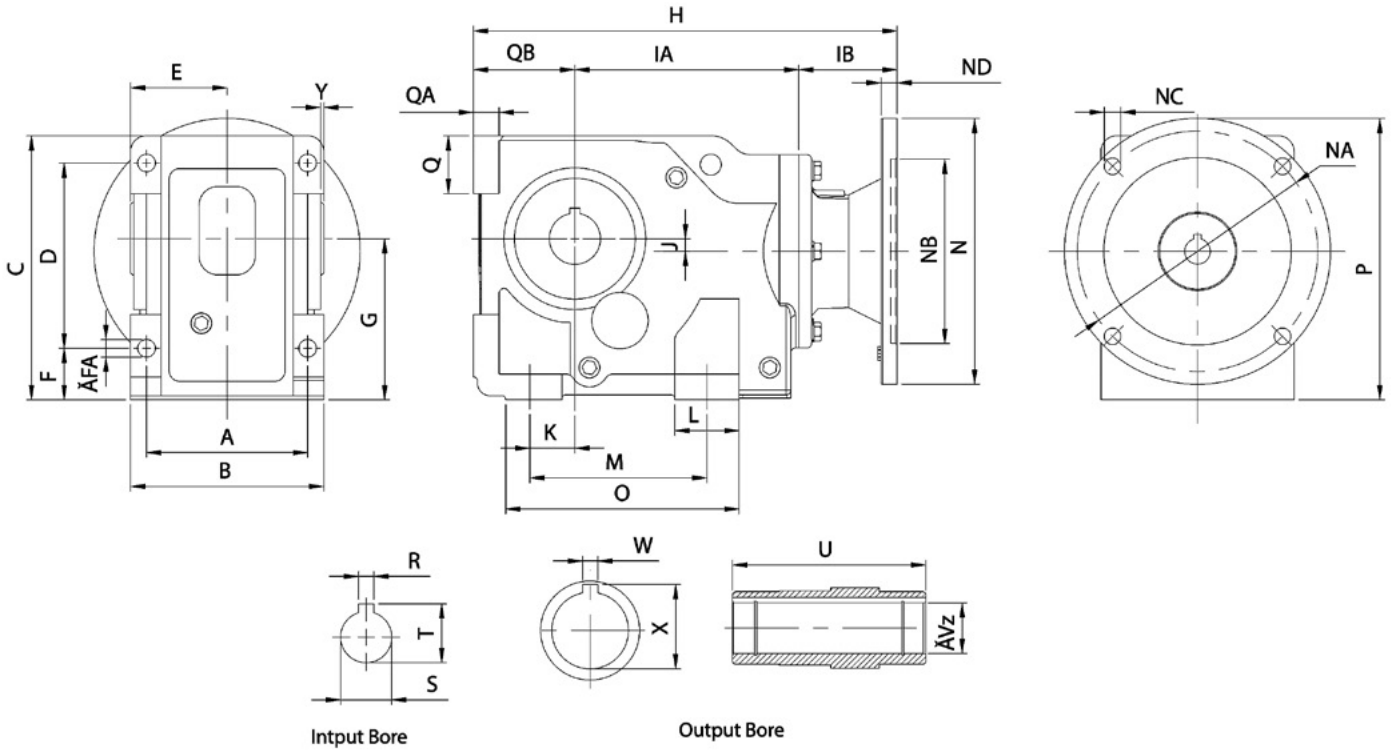
Box Size	NEMA Frame	A	B	C	D	E	F	FA	G	H	IA	IB	J	K	L	M	O	P
37	56C	3.94	4.72	6.46	4.53	2.36	1.26	0.43	3.94	10.35	5.47	2.40	0.31	1.10	1.57	4.33	5.71	6.88
	143/5TC	3.94	4.72	6.46	4.53	2.36	1.26	0.43	3.94	10.75	5.47	2.80	0.31	1.10	1.57	4.33	5.71	6.88
47	56C	4.72	5.71	7.32	5.12	2.95	1.46	0.43	4.41	11.56	6.54	2.22	0.20	1.38	1.52	5.12	6.65	7.46
	143/5TC	4.72	5.71	7.32	5.12	2.95	1.46	0.43	4.41	11.95	6.54	2.62	0.20	1.38	1.52	5.12	6.65	7.46
	182/4TC	4.72	5.71	7.32	5.12	2.95	1.46	0.43	4.41	12.68	6.54	3.35	0.20	1.38	1.52	5.12	6.65	8.71
57	56C	5.12	6.18	8.54	5.91	3.15	1.79	0.53	5.20	12.11	6.81	2.15	0.57	1.18	2.04	5.12	7.56	7.87
	143/5TC	5.12	6.18	8.54	5.91	3.15	1.79	0.53	5.20	12.5	6.81	2.54	0.57	1.18	2.04	5.12	7.56	7.87
	182/4TC	5.12	6.18	8.54	5.91	3.15	1.79	0.53	5.20	13.23	6.81	3.27	0.57	1.18	2.04	5.12	7.56	9.13
67	56C	5.51	6.69	8.98	6.30	3.54	1.77	0.53	5.51	12.74	7.05	2.15	0.75	1.18	1.77	4.72	6.69	8.01
	143/5TC	5.51	6.69	8.98	6.30	3.54	1.77	0.53	5.51	13.13	7.05	2.54	0.75	1.18	1.77	4.72	6.69	8.01
	182/4TC	5.51	6.69	8.98	6.30	3.54	1.77	0.53	5.51	13.86	7.05	3.27	0.75	1.18	1.77	4.72	6.69	8.26
77	143/5TC	6.50	7.87	11.54	7.87	4.13	2.17	0.69	7.09	14.69	7.95	2.32	1.47	1.57	2.56	5.91	8.66	8.87
	182/4TC	6.50	7.87	11.54	7.87	4.13	2.17	0.69	7.09	15.41	7.95	3.05	1.47	1.57	2.56	5.91	8.66	8.87
	213/5TC	6.50	7.87	11.54	7.87	4.13	2.17	0.69	7.09	17.68	7.95	5.31	1.47	1.57	2.56	5.91	8.66	10.12
87	182/4TC	7.09	8.82	13.39	9.17	4.72	2.76	0.87	8.34	17.99	10.12	2.68	1.24	2.17	3.39	7.09	11.02	11.61
	213/5TC	7.09	8.82	13.39	9.17	4.72	2.76	0.87	8.34	20.26	10.12	4.94	1.24	2.17	3.39	7.09	11.02	11.61
	254/6TC	7.09	8.82	13.39	9.17	4.72	2.76	0.87	8.34	21.24	10.12	5.93	1.24	2.17	3.39	7.09	11.02	12.11
97	213/5TC	9.45	11.42	16.42	11.61	5.91	2.95	1.02	10.43	21.83	10.91	4.63	1.82	2.95	2.99	9.45	12.20	13.11
	254/6TC	9.45	11.42	16.42	11.61	5.91	2.95	1.02	10.43	22.81	10.91	5.61	1.82	2.95	2.99	9.45	12.20	13.62
	284/6TC	9.45	11.42	16.42	11.61	5.91	2.95	1.02	10.43	23.17	10.91	5.96	1.82	2.95	2.99	9.45	12.20	14.52

All listed dimensions in inches

Box Size	NEMA Frame	Q	QA	QB	FLANGE (inches)					INPUT BORE (inches)			OUTPUT BORE (inches)					BORE TOLERANCE
					N	NA	NB	NC	ND	R	S	T	U	V	W	X	Y	Z
37	56C	1.42	0.63	2.48	6.50	5.875	4.50	4 x 0.41	0.39	0.188	0.625	0.71	4.72	1.250	0.25	1.37	0.08	+0.0018/+0.0008
	143/5TC	1.42	0.63	2.48	6.50	5.875	4.50	4 x 0.41	0.47	0.188	0.875	0.97	4.72	1.250	0.25	1.37	0.08	+0.0018/+0.0008
47	56C	1.57	0.71	2.80	6.50	5.875	4.50	4 x 0.41	0.39	0.188	0.625	0.71	5.90	1.375	0.31	1.52	0.10	+0.0018/+0.0008
	143/5TC	1.57	0.71	2.80	6.50	5.875	4.50	4 x 0.41	0.47	0.188	0.875	0.97	5.90	1.375	0.31	1.52	0.10	+0.0018/+0.0008
	182/4TC	1.57	0.71	2.80	9.00	7.250	8.50	4 x 0.55	0.67	0.250	1.125	1.24	5.90	1.375	0.31	1.52	0.10	+0.0018/+0.0008
57	56C	1.69	0.83	3.15	6.50	5.875	4.50	4x0.41	0.39	0.188	0.625	0.71	6.54	1.500	0.38	1.67	0.12	+0.0018/+0.0008
	143/5TC	1.69	0.83	3.15	6.50	5.875	4.50	4x0.41	0.47	0.188	0.875	0.96	6.54	1.500	0.38	1.67	0.12	+0.0018/+0.0008
	182/4TC	1.69	0.83	3.15	9.00	7.250	8.50	4x0.55	0.67	0.250	1.125	1.24	6.54	1.500	0.38	1.67	0.12	+0.0018/+0.0008
67	56C	2.32	0.94	3.54	6.50	5.875	4.50	4 x 0.41	0.39	0.188	0.625	0.71	7.08	1.500	0.38	1.67	0.14	+0.0018/+0.0008
	143/5TC	2.32	0.94	3.54	6.50	5.875	4.50	4 x 0.41	0.47	0.188	0.875	0.96	7.08	1.500	0.38	1.67	0.14	+0.0018/+0.0008
	182/4TC	2.32	0.94	3.54	9.00	7.250	8.50	4 x 0.55	0.67	0.250	1.125	1.24	7.08	1.500	0.38	1.67	0.14	+0.0018/+0.0008
77	143/5TC	2.36	1.06	4.41	6.50	5.875	4.50	4 x 0.41	0.47	0.188	0.875	0.96	8.26	2.000	0.50	2.22	0.16	+0.002/+0.0008
	182/4TC	2.36	1.06	4.41	9.00	7.250	8.50	4 x 0.55	0.67	0.250	1.125	1.24	8.26	2.000	0.50	2.22	0.16	+0.002/+0.0008
	213/5TC	2.36	1.06	4.41	9.00	7.250	8.50	4 x 0.55	0.67	0.312	1.375	1.52	8.26	2.000	0.50	2.22	0.16	+0.002/+0.0008
87	182/4TC	3.46	1.26	5.20	9.00	7.250	8.50	4 x 0.55	0.67	0.250	1.125	1.24	9.44	2.375	0.63	2.65	0.16	+0.002/+0.0008
	213/5TC	3.46	1.26	5.20	9.00	7.250	8.50	4 x 0.55	0.67	0.312	1.375	1.52	9.44	2.375	0.63	2.65	0.16	+0.002/+0.0008
	254/6TC	3.46	1.26	5.20	10.00	7.250	8.50	4 x 0.55	0.79	0.375	1.625	1.80	9.44	2.375	0.63	2.65	0.16	+0.002/+0.0008
97	213/5TC	3.39	1.42	6.30	9.00	7.250	8.50	4 x 0.55	0.67	0.312	1.375	1.52	11.82	2.750	0.63	3.03	0.16	+0.002/+0.0008
	254/6TC	3.39	1.42	6.30	10.00	7.250	8.50	4 x 0.55	0.79	0.375	1.625	1.80	11.82	2.750	0.63	3.03	0.16	+0.002/+0.0008
	284/6TC	3.39	1.42	6.30	11.26	9.000	10.50	4 x 0.59	0.79	0.500	1.875	2.10	11.82	2.750	0.63	3.03	0.16	+0.002/+0.0008

Dimensions shown in this catalog are for general use only.
For an exact drawing on a specific rating, please contact our sales office.

KHN Series | Competitor Dimensional Comparison | SEW Eurodrive



SEW Eurodrive dimensional data was derived from their Catalog 9PD0016/0300.
Blue shaded cells indicate a dimensional difference. All dimensions are in inches.

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KHN Series | Competitor Dimensional Comparison | SEW Eurodrive (Continued...)

All listed dimensions in inches

Box Size	NEMA Frame	A	B	C	D	E	F	FA	G	H	IA	IB	J	K	L	M	O	P
37	56C	3.94	4.72	6.50	4.53	2.36	1.26	0.43	3.94	11.63	5.47	3.68	0.33	1.10	1.50	4.33	5.63	6.50
	143/5TC	3.94	4.72	6.50	4.53	2.36	1.26	0.43	3.94	12.56	5.47	4.61	0.33	1.10	1.50	4.33	5.63	6.50
47	56C	4.72	5.71	7.28	5.12	2.83	1.46	0.43	4.41	12.77	6.54	3.43	0.28	1.38	1.26	5.12	6.38	7.28
	143/5TC	4.72	5.71	7.28	5.12	2.83	1.46	0.43	4.41	13.69	6.54	4.35	0.28	1.38	1.26	5.12	6.38	7.28
	182/4TC	4.72	5.71	7.28	5.12	2.83	1.46	0.43	4.41	15.15	6.54	5.81	0.28	1.38	1.26	5.12	6.38	7.28
57	56C	5.12	6.18	8.54	5.91	3.15	1.77	0.53	5.2	13.39	6.81	6.58	0.52	1.18	1.57	5.12	6.77	7.48
	143/5TC	5.12	6.18	8.54	5.91	3.15	1.77	0.53	5.2	14.31	6.81	7.5	0.52	1.18	1.57	5.12	6.77	7.48
	182/4TC	5.12	6.18	8.54	5.91	3.15	1.77	0.53	5.2	15.77	6.81	8.96	0.52	1.18	1.57	5.12	6.77	7.48
67	56C	5.51	6.69	8.98	6.30	3.41	1.77	0.53	5.51	14.02	7.05	3.43	0.79	1.18	1.77	4.72	6.69	8.98
	143/5TC	5.51	6.69	8.98	6.30	3.41	1.77	0.53	5.51	14.94	7.05	4.35	0.79	1.18	1.77	4.72	6.69	8.98
	182/4TC	5.51	6.69	8.98	6.30	3.41	1.77	0.53	5.51	16.40	7.05	5.81	0.79	1.18	1.77	4.72	6.69	8.98
77	143/5TC	6.50	7.87	11.34	7.87	3.98	2.17	0.69	7.09	16.43	7.95	4.07	1.23	1.57	2.17	5.91	8.19	11.34
	182/4TC	6.50	7.87	11.34	7.87	3.98	2.17	0.69	7.09	17.85	7.95	5.49	1.23	1.57	2.17	5.91	8.19	11.34
	213/5TC	6.50	7.87	11.34	7.87	3.98	2.17	0.69	7.09	19.78	7.95	7.42	1.23	1.57	2.17	5.91	8.19	11.34
87	182/4TC	7.09	9.06	13.39	9.17	4.57	2.76	0.87	8.35	20.62	10.12	5.30	1.02	2.17	2.95	7.09	10.24	13.39
	213/5TC	7.09	9.06	13.39	9.17	4.57	2.76	0.87	8.35	22.54	10.12	7.22	1.02	2.17	2.95	7.09	10.24	13.39
	254/6TC	7.09	9.06	13.39	9.17	4.57	2.76	0.87	8.35	24.53	10.12	9.21	1.02	2.17	2.95	7.09	10.24	13.39
97	213/5TC	9.45	11.41	16.42	11.61	5.75	2.95	1.02	10.43	24.24	10.91	7.03	1.27	2.95	2.36	9.45	11.57	16.42
	254/6TC	9.45	11.41	16.42	11.61	5.75	2.95	1.02	10.43	26.23	10.91	9.02	1.27	2.95	2.36	9.45	11.57	16.42
	284/6TC	9.45	11.41	16.42	11.61	5.75	2.95	1.02	10.43	26.50	10.91	9.29	1.27	2.95	2.36	9.45	11.57	16.42

All listed dimensions in inches

Box Size	NEMA Frame	Q	QA	QB	FLANGE (inches)					INPUT BORE (inches)			OUTPUT BORE (inches)					BORE TOLERANCE
					N	NA	NB	NC	ND	R	S	T	U	V	W	X	Y	Z
37	56C	1.42	0.63	2.48	6.69	5.875	4.50	4 x 0.41	0.43	0.188	0.625	0.71	4.72	1.250	0.25	1.37	0.10	+ .0010 / -0.0
	143/5TC	1.42	0.63	2.48	6.69	5.875	4.50	4 x 0.41	0.47	0.188	0.875	0.98	4.72	1.250	0.25	1.37	0.10	+ .0010 / -0.0
47	56C	1.34	0.71	2.80	6.69	5.875	4.50	4 x 0.41	0.43	0.188	0.625	0.71	5.90	1.375	0.31	1.52	0.12	+ .0010 / -0.0
	143/5TC	1.34	0.71	2.80	6.69	5.875	4.50	4 x 0.41	0.47	0.188	0.875	0.98	5.90	1.375	0.31	1.52	0.12	+ .0010 / -0.0
	182/4TC	1.34	0.71	2.80	8.98	7.250	8.50	4 x 0.59	0.59	0.250	1.125	1.24	5.90	1.375	0.31	1.52	0.12	+ .0010 / -0.0
57	56C	1.69	0.83	3.15	6.69	5.875	4.5	0.41	0.43	0.188	0.625	0.71	5.59	1.5	0.38	1.67	0.12	+ 0.001 / -0.0
	143/5TC	1.69	0.83	3.15	6.69	5.875	4.5	0.41	0.47	0.188	0.875	0.98	5.59	1.5	0.38	1.67	0.12	+ 0.001 / -0.0
	182/4TC	1.69	0.83	3.15	8.98	7.25	8.5	0.59	0.39	0.25	1.125	1.24	5.59	1.5	0.38	1.67	0.12	+ 0.001 / -0.0
67	56C	2.13	0.94	3.54	6.69	5.875	4.50	4 x 0.41	0.43	0.188	0.625	0.71	7.08	1.500	0.38	1.67	0.14	+ .0010 / -0.0
	143/5TC	2.13	0.94	3.54	6.69	5.875	4.50	4 x 0.41	0.47	0.188	0.875	0.98	7.08	1.500	0.38	1.67	0.14	+ .0010 / -0.0
	182/4TC	2.13	0.94	3.54	8.98	7.250	8.50	4 x 0.59	0.59	0.250	1.125	1.24	7.08	1.500	0.38	1.67	0.14	+ .0010 / -0.0
77	143/5TC	2.36	1.06	4.41	6.69	5.875	4.50	4 x 0.41	0.47	0.188	0.875	0.98	8.26	2.000	0.50	2.22	0.16	+ .0011 / -0.0
	182/4TC	2.36	1.06	4.41	8.98	7.250	8.50	4 x 0.59	0.59	0.250	1.125	1.24	8.26	2.000	0.50	2.22	0.16	+ .0011 / -0.0
	213/5TC	2.36	1.06	4.41	8.98	7.250	8.50	4 x 0.59	0.63	0.312	1.375	1.52	8.26	2.000	0.50	2.22	0.16	+ .0011 / -0.0
87	182/4TC	3.46	1.26	5.20	8.98	7.250	8.50	4 x 0.59	0.59	0.250	1.125	1.24	9.44	2.375	0.63	2.65	0.16	+ .0011 / -0.0
	213/5TC	3.46	1.26	5.20	8.98	7.250	8.50	4 x 0.59	0.63	0.312	1.375	1.52	9.44	2.375	0.63	2.65	0.16	+ .0011 / -0.0
	254/6TC	3.46	1.26	5.20	8.98	7.250	8.50	4 x 0.59	0.67	0.375	1.625	1.80	9.44	2.375	0.63	2.65	0.16	+ .0011 / -0.0
97	213/5TC	3.39	1.42	6.30	8.98	7.250	8.50	4 x 0.59	0.63	0.312	1.375	1.52	11.82	2.750	0.63	3.03	0.16	+ .0011 / -0.0
	254/6TC	3.39	1.42	6.30	8.98	7.250	8.50	4 x 0.59	0.67	0.375	1.625	1.80	11.82	2.750	0.63	3.03	0.16	+ .0011 / -0.0
	284/6TC	3.39	1.42	6.30	11.26	9.000	10.50	4 x 0.59	0.79	0.500	1.875	2.10	11.82	2.750	0.63	3.03	0.16	+ .0011 / -0.0

SEW Eurodrive dimensional data was derived from their Catalog 9PD0016/0300.
Blue shaded cells indicate a dimensional difference. All dimensions are in inches.

With Power Lock Specifications and Order Codes

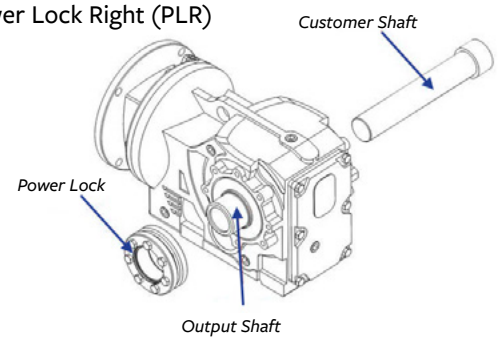
- KAN and KHN Series Helical-Bevel Speed Reducers are available with power lock bushings for a more secure connection.
- The power lock assembly achieves a non-positive connection between the driven shaft and the hollow shaft in the gear unit.
- Available on units with frame sizes 87 or 97
- The power lock configuration is not field convertible from left to right or vice versa. The proper configuration must be selected at the time the unit is purchased.
- Power Lock Right (PLR): When facing the input, the power lock is on the right, and the customer shaft is on the left. *See illustration below.*
- Power Lock Left (PLL): When facing the input, the power lock is on the left, and the customer shaft is on the right. *See illustration below.*
- All product features (aside from power lock bushing) and mechanical ratings are consistent with the standard design KAN and KHN Helical Bevel Gear Reducers.



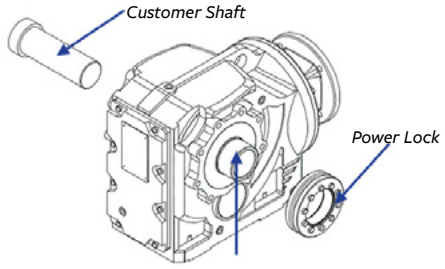
KAN Series with Power Lock

KHN Series with Power Lock

Power Lock Right (PLR)



Power Lock Left (PLL)



Box Size	Nominal Ratio	Actual Ratio	Output RPM @ 1750 RPM Input	Input HP	S.C.	Output Torque(lbs. in.)	O.H.L. (lbs.)	Motor Frame	Stages	Approx. Weight (lbs.)	Model Number	List Price
87	7.5	8.27	212	10.00	III	2700	2350	213/5TC	3	230	KAN87-7.5/1-H-213/5TC-PLL	$3,352.00
	7.5	8.27	212	20.00	III	5400	1910	254/6TC	3	257	KAN87-7.5/1-H-254/6TC-PLL	$3,352.00
	15	15.66	112	10.00	III	5120	2630	213/5TC	3	230	KAN87-15/1-H-213/5TC-PLL	$3,352.00
	15	15.66	112	20.00	II	10230	1880	254/6TC	3	257	KAN87-15/1-H-254/6TC-PLL	$3,352.00
	20	20.90	84	10.00	III	6830	2580	213/5TC	3	230	KAN87-20/1-H-213/5TC-PLL	$3,352.00
	20	20.90	84	20.00	I	13650	1460	254/6TC	3	257	KAN87-20/1-H-254/6TC-PLL	$3,352.00
	40	43.31	40	5.00	III	7070	3550	184TC	3	208	KAN87-40/1-H-184TC-PLL	$3,352.00
	40	43.31	40	10.00	I	14150	2510	213/5TC	3	230	KAN87-40/1-H-213/5TC-PLL	$3,352.00
	60	61.42	28	5.00	III	10030	3620	184TC	3	208	KAN87-60/1-H-184TC-PLL	$3,352.00
	60	61.42	28	10.00	I	20060	2150	213/5TC	3	230	KAN87-60/1-H-213/5TC-PLL	$3,352.00
97	15	14.11	124	10.00	III	4610	6190	213/5TC	3	362	KAN97-15/1-H-213/5TC-PLL	$4,928.00
	15	14.11	124	20.00	III	9210	5640	254/6TC	3	393	KAN97-15/1-H-254/6TC-PLL	$4,928.00
	15	14.11	124	30.00	III	13820	5100	284/6TC	3	402	KAN97-15/1-H-284/6TC-PLL	$4,928.00
	20	21.33	82	10.00	III	6970	6800	213/5TC	3	362	KAN97-20/1-H-213/5TC-PLL	$4,928.00
	30	31.19	56	25.00	I	25470	5170	284/6TC	3	402	KAN97-30/1-H-284/6TC-PLL	$4,928.00
	40	38.12	46	10.00	III	12450	7420	213/5TC	3	362	KAN97-40/1-H-213/5TC-PLL	$4,928.00
	65	64.72	27	10.00	II	21140	8140	213/5TC	3	362	KAN97-65/1-H-213/5TC-PLL	$4,928.00
87	7.5	8.27	212	10.00	III	2700	2350	213/5TC	3	230	KAN87-7.5/1-H-213/5TC-PLR	$3,352.00
	7.5	8.27	212	20.00	III	5400	1910	254/6TC	3	257	KAN87-7.5/1-H-254/6TC-PLR	$3,352.00
	15	15.66	112	10.00	III	5120	2630	213/5TC	3	230	KAN87-15/1-H-213/5TC-PLR	$3,352.00
	15	15.66	112	20.00	II	10230	1880	254/6TC	3	257	KAN87-15/1-H-254/6TC-PLR	$3,352.00
	20	20.90	84	10.00	III	6830	2580	213/5TC	3	230	KAN87-20/1-H-213/5TC-PLR	$3,352.00
	20	20.90	84	20.00	I	13650	1460	254/6TC	3	257	KAN87-20/1-H-254/6TC-PLR	$3,352.00
	40	43.31	40	10.00	I	14150	2510	213/5TC	3	230	KAN87-40/1-H-213/5TC-PLR	$3,352.00
	60	61.42	28	5.00	III	10030	3620	184TC	3	208	KAN87-60/1-H-184TC-PLR	$3,352.00

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KAN & KHN Series with Power Lock (Continued...)

Box Size	Nominal Ratio	Actual Ratio	Output RPM @ 1750 RPM Input	Input HP	S.C.	Output Torque(lbs. in.)	O.H.L. (lbs.)	Motor Frame	Stages	Approx. Weight (lbs.)	Model Number	List Price
97	15	14.11	124	10.00	III	4610	6190	213/5TC	3	362	KAN97-15/1-H-213/5TC-PLR	$4,928.00
	15	14.11	124	20.00	III	9210	5640	254/6TC	3	393	KAN97-15/1-H-254/6TC-PLR	$4,928.00
	15	14.11	124	30.00	III	13820	5100	284/6TC	3	402	KAN97-15/1-H-284/6TC-PLR	$4,928.00
	20	21.33	82	10.00	III	6970	6800	213/5TC	3	362	KAN97-20/1-H-213/5TC-PLR	$4,928.00
	30	31.19	56	25.00	I	25470	5170	284/6TC	3	402	KAN97-30/1-H-284/6TC-PLR	$4,928.00
	40	38.12	46	10.00	III	12450	7420	213/5TC	3	362	KAN97-40/1-H-213/5TC-PLR	$4,928.00
	50	47.16	37	15.00	I	23110	6610	254/6TC	3	393	KAN97-50/1-H-254/6TC-PLR	$4,928.00
	65	64.72	27	10.00	II	21140	8140	213/5TC	3	362	KAN97-65/1-H-213/5TC-PLR	$4,928.00
87	7.5	8.27	212	10.00	III	2700	2350	213/5TC	3	230	KHN87-7.5/1-H-213/5TC-PLL	$3,352.00
	7.5	8.27	212	20.00	III	5400	1910	254/6TC	3	257	KHN87-7.5/1-H-254/6TC-PLL	$3,352.00
	10	10.53	166	10.00	III	3440	2440	213/5TC	3	230	KHN87-10/1-H-213/5TC-PLL	$3,352.00
	15	15.66	112	10.00	III	5120	2630	213/5TC	3	230	KHN87-15/1-H-213/5TC-PLL	$3,352.00
	15	15.66	112	20.00	II	10230	1880	254/6TC	3	257	KHN87-15/1-H-254/6TC-PLL	$3,352.00
	20	20.90	84	10.00	III	6830	2580	213/5TC	3	230	KHN87-20/1-H-213/5TC-PLL	$3,352.00
	20	20.90	84	20.00	I	13650	1460	254/6TC	3	257	KHN87-20/1-H-254/6TC-PLL	$3,352.00
	40	43.31	40	5.00	III	7070	3550	184TC	3	208	KHN87-40/1-H-184TC-PLL	$3,352.00
	60	61.42	28	5.00	III	10030	3620	184TC	3	208	KHN87-60/1-H-184TC-PLL	$3,352.00
97	15	14.11	124	10.00	III	4610	6190	213/5TC	3	362	KHN97-15/1-H-213/5TC-PLL	$4,928.00
	15	14.11	124	20.00	III	9210	5640	254/6TC	3	393	KHN97-15/1-H-254/6TC-PLL	$4,928.00
	15	14.11	124	30.00	III	13820	5100	284/6TC	3	402	KHN97-15/1-H-284/6TC-PLL	$4,928.00
	20	21.33	82	10.00	III	6970	6800	213/5TC	3	362	KHN97-20/1-H-213/5TC-PLL	$4,928.00
	40	38.12	46	10.00	III	12450	7420	213/5TC	3	362	KHN97-40/1-H-213/5TC-PLL	$4,928.00
	50	47.16	37	15.00	I	23110	6610	254/6TC	3	393	KHN97-50/1-H-254/6TC-PLL	$4,928.00
	65	64.72	27	10.00	II	21140	8140	213/5TC	3	362	KHN97-65/1-H-213/5TC-PLL	$4,928.00
87	7.5	8.27	212	10.00	III	2700	2350	213/5TC	3	230	KHN87-7.5/1-H-213/5TC-PLR	$3,352.00
	7.5	8.27	212	20.00	III	5400	1910	254/6TC	3	257	KHN87-7.5/1-H-254/6TC-PLR	$3,352.00
	15	15.66	112	10.00	III	5120	2630	213/5TC	3	230	KHN87-15/1-H-213/5TC-PLR	$3,352.00
	15	15.66	112	20.00	II	10230	1880	254/6TC	3	257	KHN87-15/1-H-254/6TC-PLR	$3,352.00
	60	61.42	28	5.00	III	10030	3620	184TC	3	208	KHN87-60/1-H-184TC-PLR	$3,352.00
	60	61.42	28	10.00	I	20060	2150	213/5TC	3	230	KHN87-60/1-H-213/5TC-PLR	$3,352.00
97	15	14.11	124	10.00	III	4610	6190	213/5TC	3	362	KHN97-15/1-H-213/5TC-PLR	$4,928.00
	15	14.11	124	20.00	III	9210	5640	254/6TC	3	393	KHN97-15/1-H-254/6TC-PLR	$4,928.00
	15	14.11	124	30.00	III	13820	5100	284/6TC	3	402	KHN97-15/1-H-284/6TC-PLR	$4,928.00
	20	21.33	82	10.00	III	6970	6800	213/5TC	3	362	KHN97-20/1-H-213/5TC-PLR	$4,928.00
	30	31.19	56	25.00	I	25470	5170	284/6TC	3	402	KHN97-30/1-H-284/6TC-PLR	$4,928.00
	40	38.12	46	10.00	III	12450	7420	213/5TC	3	362	KHN97-40/1-H-213/5TC-PLR	$4,928.00
	50	47.16	37	15.00	I	23110	6610	254/6TC	3	393	KHN97-50/1-H-254/6TC-PLR	$4,928.00
	65	64.72	27	10.00	II	21140	8140	213/5TC	3	362	KHN97-65/1-H-213/5TC-PLR	$4,928.00

Accessories & Parts

Single Output Shafts

Used for mounting into WorldWide Electric hollow bore reducers for the purpose of turning a hollow bore output unit to a shaft output unit. Shaft kits are compatible with the KAN, KHN and FHN Series except when the reducer are used with a B5 flange. Kit includes single output shaft, key, endplate and bolt.



Box Size	Shaft Diameter (Inches)	Shaft Length (Inches)	Model Number	List Price
37	1	6.852	KAN/KHN/FHN37-OPS-S	$39.82
47	1.25	8.423	KAN/KHN/FHN47-OPS-S	$55.73
57	1.375	9.490	KAN/KHN/FHN57-OPS-S	$119.46
67	1.5	10.433	KAN/KHN/FHN67-OPS-S	$119.46
77	2	12.444	KAN/KHN/FHN77-OPS-S	$155.85
87	2.375	14.405	KAN/KHN/FHN87-OPS-S	$238.90
97	2.75	17.597	KAN/KHN/FHN97-OPS-S	$367.46

B5 Single Output Shafts

The B5 Single Output Shaft is longer than the standard Single Output Shaft and is meant to be used when a B5 Output Flange is installed. It is compatible with the KAN and FHN Series reducer. Kit includes single output shaft, key, endplate, and bolt.



Box Size	Shaft Diameter (Inches)	Shaft Length (Inches)	Model Number	List Price
37	1	9.137	KAN/FHN37-OPS-S-B5	$35.30
47	1.25	11.098	KAN/FHN47-OPS-S-B5	$49.16
57	1.375	10.142	KAN57-OPS-S-B5	$106.38
67	1.5	13.938	KAN/FHN67-OPS-S-B5	$106.38
77	2	16.778	KAN/FHN77-OPS-S-B5	$147.93
87	2.375	19.519	KAN/FHN87-OPS-S-B5	$212.31
97	2.75	23.54	KAN/FHN97-OPS-S-B5	$326.72

B5 Output Flange

The B5 Output Flange is compatible with the KAN and FHN Series reducer. Kit includes B5 output flange and mounting bolts.



Box Size	Model Number	List Price
37	KAN/FHN37-OPF-B5	$89.94
47	KAN/FHN47-OPF-B5	$93.33
57	KAN57-OPF-B5	$93.33
67	KAN/FHN67-OPF-B5	$93.33
77	KAN/FHN77-OPF-B5	$137.41
87	KAN/FHN87-OPF-B5	$212.81
97	KAN/FHN97-OPF-B5	$317.47

B14 Output Flange

The B14 Output Flange is compatible Kit includes B14 output flange, double lip output seal, and mounting bolts.



Box Size	Model Number	List Price
37	KAN/FHN37-OPF-B14	$44.31
47	KAN/FHN47-OPF-B14	$54.29
57	KAN/FHN57/67-OPF-B14	$90.22
67	KAN/FHN57/67-OPF-B14	$90.22
77	KAN/FHN77-OPF-B14	$117.36
87	KAN/FHN87-OPF-B14	$176.83
97	KAN/FHN97-OPF-B14	$245.89

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Double Output Shafts

The KHN Series Double Output Shaft is compatible with the KHN Series reducer. Kit includes double output shaft, key, retaining ring, and C-clips.



Box Size	Shaft Diameter (Inches)	Shaft Length (Inches)	Model Number	List Price
37	1	9.137	KAN/KHN/FHN37-OPS-DS	$77.35
47	1.25	11.098	KAN/KHN/FHN47-OPS-DS	$112.61
57	1.375	12.607	KHN57-OPS-DS	$242.32
67	1.5	13.938	KAN/KHN/FHN67-OPS-DS	$242.32
77	2	16.778	KHN77-OPS-DS	$313.98
87	2.375	19.519	KHN87-OPS-DS	$480.07
97	2.75	23.54	KHN97-OPS-DS	$746.28

KAN Series Torque Arm

The KAN Series Torque Arm is available for box sizes 37-97 and is sold separately from the gearbox. Kit includes torque arm, mounting bolts, and lock washers.



Box Size	Model Number	List Price
37	KAN37-TA	$46.13
47	KAN47-TA	$65.12
57	KAN57/67-TA	$135.65
67	KAN57/67-TA	$135.65
77	KAN77-TA	$162.80
87	KAN87-TA	$217.06
97	KAN97-TA	$271.32

Screw Conveyor Drive Shafts

Machined from high tensile strength alloy steel. Conforms to CEMA Standards. Three-hole design for easy installaion onto screw.



Box Size	Shaft Diameter (Inches)	Model Number	List Price
47	1.5	KAN/FHN47-SCDS-1.5	$199.10
	2	KAN/FHN47-SCDS-2	$246.48
57	1.5	KAN/FHN57-SCDS-1.5	$334.36
	2	KAN/FHN57-SCDS-2	$334.36
	2.4375	KAN/FHN57-SCDS-2.4375	$395.46
67	1.5	KAN/FHN67-SCDS-1.5	$334.36
	2	KAN/FHN67-SCDS-2	$334.36
	2.4375	KAN/FHN67-SCDS-2.4375	$395.46
77	2	KAN/FHN77-SCDS-2	$472.35
	2.4375	KAN/FHN77-SCDS-2.4375	$489.53
	3	KAN/FHN77-SCDS-3	$648.12
87	2	KAN/FHN87-SCDS-2	$759.34
	2.4375	KAN/FHN87-SCDS-2.4375	$786.12
	3	KAN/FHN87-SCDS-3	$792.98
97	2	KAN/FHN97-SCDS-2	$871.94
	2.4375	KAN/FHN97-SCDS-2.4375	$898.72
	3	KAN/FHN97-SCDS-3	$904.21
	3.4375	KAN/FHN97-SCDS-3.4375	$1,152.06

Screw Conveyor Flange

Conforms to CEMA standards. Bolt-on design allows for easy mounting. Heavy duty FCD45 cast iron construction. Double lip seal and branded felt seal installed.



Box Size	Model Number	List Price
47	KAN/FHN47-SCF	$618.89
57	KAN/FHN57/67-SCF	$736.98
67	KAN/FHN57/67-SCF	$736.98
77	KAN/FHN77-SCF	$763.14
87	KAN/FHN87-SCF	$894.69
97	KAN/FHN97-SCF	$1,500.11

FHN Series
Parallel Shaft Helical Bevel

Product Specifications & Order Codes

- 5:1 - 110:1 ratios
- Additional ratios via custom order
- Box sizes 37-97
- Horsepower range from 3/4 HP to 25 HP
- Built for high efficiency, high strength and low noise
- All cast iron housings for increased strength and reliability
- Gears are precision machined for better rotation and quieter operation
- Gearbox flanges are designed to accept NEMA C-face electric motors
- No coupling necessary
- Drop-in for most major European produced parallel reducer brands
- Units filled with HD320 mineral oil for an "M1" mounting position
- Adjust oil level for alternative mounting positions
- Accessory kits: B5/B14 Output Flanges, CEMA Flanges and Screw Conveyor Shafts



Box Size	Nominal Ratio	Actual Ratio	Output RPM @ 1750 RPM Input	Input HP	S.C.	Output Torque (lbs. in.)	OHL (lbs.)	Motor Frame	Stages	Approx. Weight (lbs.)	Model Number	List Price
37	5	5.68	308	0.75	III	140	640	56C	2	35	FHN37-5/1-H-56C	$971.64
	5	5.68	308	2.00	III	380	580	143/5TC	2	40	FHN37-5/1-H-143/5TC	$971.64
	8	8.14	215	0.75	III	210	710	56C	2	35	FHN37-8/1-H-56C	$971.64
	8	8.14	215	2.00	III	550	630	143/5TC	2	40	FHN37-8/1-H-143/5TC	$971.64
	10	10.39	169	0.75	III	260	770	56C	2	35	FHN37-10/1-H-56C	$971.64
	10	10.39	169	2.00	III	700	680	143/5TC	2	40	FHN37-10/1-H-143/5TC	$971.64
	15	16.29	107	0.75	III	410	570	56C	2	35	FHN37-15/1-H-56C	$971.64
	15	16.29	107	1.00	III	550	840	143TC	2	40	FHN37-15/1-H-143TC	$971.64
	25	24.70	71	0.75	III	620	970	56C	2	35	FHN37-25/1-H-56C	$971.64
	25	24.70	71	1.00	III	830	930	143TC	2	40	FHN37-25/1-H-143TC	$971.64
	30	31.69	55	0.75	III	780	1000	56C	3	36	FHN37-30/1-H-56C	$1,099.79
	30	31.69	55	1.00	II	1040	980	143TC	3	42	FHN37-30/1-H-143TC	$1,099.79
	40	38.31	46	0.75	II	940	1000	56C	3	36	FHN37-40/1-H-56C	$1,099.79
	40	38.31	46	1.00	I	1250	1000	143TC	3	42	FHN37-40/1-H-143TC	$1,099.79
	50	51.70	34	0.75	I	1270	1000	56C	3	36	FHN37-50/1-H-56C	$1,099.79
	60	58.32	30	0.75	I	1430	1000	56C	3	36	FHN37-60/1-H-56C	$1,099.79
47	6	5.93	295	2.00	III	400	910	143/5TC	2	51	FHN47-6/1-H-143/5TC	$1,403.15
	7	6.90	253	2.00	III	460	950	143/5TC	2	51	FHN47-7/1-H-143/5TC	$1,403.15
	10	9.89	177	0.75	III	250	1130	56C	2	46	FHN47-10/1-H-56C	$1,403.15
	10	9.89	177	1.00	III	330	1110	143TC	2	51	FHN47-10/1-H-143TC	$1,403.15
	15	15.19	115	0.75	III	380	1300	56C	2	46	FHN47-15/1-H-56C	$1,403.15
	15	15.19	115	2.00	III	1020	1170	143/5TC	2	51	FHN47-15/1-H-143/5TC	$1,403.15
	20	20.45	86	0.75	III	520	1330	56C	2	46	FHN47-20/1-H-56C	$1,403.15
	20	20.45	86	2.00	III	1380	1250	143/5TC	2	51	FHN47-20/1-H-143/5TC	$1,403.15
	30	30.66	57	0.75	III	750	1330	56C	3	48	FHN47-30/1-H-56C	$1,594.41
	30	30.66	57	2	II	2000	1290	143/5TC	3	53	FHN47-30/1-H-143/5TC	$1,594.41
	40	42.91	41	0.75	II	1050	1330	56C	3	45	FHN47-40/1-H-56C	$1,594.41
	40	42.91	41	2	I	2800	1330	143/5TC	3	53	FHN47-40/1-H-143/5TC	$1,594.41
	50	50.24	35	0.75	III	1230	1330	56C	3	48	FHN47-50/1-H-56C	$1,594.41
	50	50.24	35	2	I	3280	1330	143/5TC	3	53	FHN47-50/1-H-143/5TC	$1,594.41
	60	60.83	29	0.75	III	1490	1330	56C	3	48	FHN47-60/1-H-56C	$1,594.41
	60	60.83	29	1	II	1990	1330	143TC	3	53	FHN47-60/1-H-143TC	$1,594.41
	70	71.21	25	0.75	III	1740	1330	56C	3	48	FHN47-70/1-H-56C	$1,594.41
	70	71.21	25	1	II	2330	1330	143TC	3	53	FHN47-70/1-H-143TC	$1,594.41
	85	85.41	20	0.75	II	2090	1330	56C	3	48	FHN47-85/1-H-56C	$1,594.41
57	5	5.98	293	2	III	400	1170	143/5TC	2	59	FHN57-5/1-H-143/5TC	$1,611.23
	7.5	7.57	231	2	III	510	1415	143/5TC	2	66	FHN57-7.5/1-H-143/5TC	$1,611.23
	10	11.35	154	0.75	III	287	1675	56C	2	59	FHN57-10/1-H-56C	$1,611.23
	10	11.35	154	2	III	760	1400	143/5TC	2	59	FHN57-10/1-H-143/5TC	$1,611.23
	15	15.55	113	0.75	III	392	1855	56C	2	59	FHN57-15/1-H-56C	$1,611.23
	15	15.55	113	2	III	1050	1540	143/5TC	2	59	FHN57-15/1-H-143/5TC	$1,611.23
	20	19.11	92	0.75	III	482	1980	56C	2	59	FHN57-20/1-H-56C	$1,611.23
	20	19.11	92	2	III	1290	1620	143/5TC	2	59	FHN57-20/1-H-143/5TC	$1,611.23
	30	34.11	51	0.75	III	835	2065	56C	3	66	FHN57-30/1-H-56C	$1,772.82

Service Class I (S.F.=1.0) Service Class II (S.F.=1.5) Service Class III (S.F.=2.0) * Service Class < 1

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FHN Series (Continued...)

Box Size	Nominal Ratio	Actual Ratio	Output RPM @ 1750 RPM Input	Input HP	S.C.	Output Torque (lbs. in.)	OHL (lbs.)	Motor Frame	Stages	Approx. Weight (lbs.)	Model Number	List Price
57	30	34.11	51	2	III	2230	1840	143/5TC	3	66	FHN57-30/1-H-143/5TC	$1,772.82
	40	39.72	44	0.75	III	970	2070	56C	3	59	FHN57-40/1-H-56C	$1,772.82
	40	39.72	44	2	III	2590	1890	143/5TC	3	66	FHN57-40/1-H-143/5TC	$1,772.82
	50	56.9	31	0.75	III	1393	2065	56C	3	66	FHN57-50/1-H-56C	$1,772.82
	50	56.91	31	2	I	3720	1990	143/5TC	3	66	FHN57-50/1-H-143/5TC	$1,772.82
	60	64.76	27	0.75	III	1590	2070	56C	3	59	FHN57-60/1-H-56C	$1,772.82
	60	64.76	27	2	I	1585	2065	143/5TC	3	66	FHN57-60/1-H-143/5TC	$1,772.82
	70	73.4	24	0.75	II	1797	2065	56C	3	59	FHN57-70/1-H-56C	$1,772.82
	70	73.4	24	2	I	4791	2065	143/5TC	3	66	FHN57-70/1-H-143/5TC	$1,772.82
	85	85.46	20	0.75	III	2092	2065	56C	3	59	FHN57-85/1-H-56C	$1,772.82
67	10	11.31	155	0.75	III	290	1530	56C	2	81	FHN67-10/1-H-56C	$1,781.86
	10	11.31	155	2	III	760	1450	143/5TC	2	85	FHN67-10/1-H-143/5TC	$1,781.86
	10	11.31	155	5	III	1900	1280	182/4TC	2	93	FHN67-10/1-H-182/4TC	$1,781.86
	15	14.46	121	0.75	III	370	1650	56C	2	81	FHN67-15/1-H-56C	$1,781.86
	15	14.46	121	2	III	970	1560	143/5TC	2	85	FHN67-15/1-H-143/5TC	$1,781.86
	15	14.46	121	5	III	2430	1330	182/4TC	2	93	FHN67-15/1-H-182/4TC	$1,781.86
	20	18.1	97	0.75	III	460	1770	56C	2	81	FHN67-20/1-H-56C	$1,781.86
	20	18.1	97	2	III	1220	1650	143/5TC	2	85	FHN67-20/1-H-143/5TC	$1,781.86
	20	18.1	97	5	II	3050	1370	182/4TC	2	93	FHN67-20/1-H-182/4TC	$1,781.86
	30	30.15	58	0.75	III	740	2060	56C	3	83	FHN67-30/1-H-56C	$1,997.60
	30	30.15	58	2	III	1970	1870	143/5TC	3	87	FHN67-30/1-H-143/5TC	$1,997.60
	30	30.15	58	5	I	4920	1420	182/4TC	3	96	FHN67-30/1-H-182/4TC	$1,997.60
	40	38.16	46	0.75	III	930	2210	56C	3	83	FHN67-40/1-H-56C	$1,997.60
	40	38.16	46	2	III	2490	1970	143/5TC	3	87	FHN67-40/1-H-143/5TC	$1,997.60
	40	38.16	46	3	II	3740	1780	182TC	3	96	FHN67-40/1-H-182TC	$1,997.60
	45	44.2	40	0.75	III	1080	2310	56C	3	83	FHN67-45/1-H-56C	$1,997.60
	45	44.2	40	2	III	2890	2030	143/5TC	3	87	FHN67-45/1-H-143/5TC	$1,997.60
	45	44.2	40	3	I	4330	1810	182TC	3	96	FHN67-45/1-H-182TC	$1,997.60
	65	64.95	27	0.75	III	1590	2310	56C	3	83	FHN67-65/1-H-56C	$1,997.60
	65	64.95	27	2	II	4240	2160	143/5TC	3	87	FHN67-65/1-H-143/5TC	$1,997.60
	90	89.11	20	0.75	III	2180	2310	56C	3	83	FHN67-90/1-H-56C	$1,997.60
	90	89.11	20	2	I	5820	2240	143/5TC	3	87	FHN67-90/1-H-143/5TC	$1,997.60
	110	109.55	16	0.75	III	2680	2310	56C	3	83	FHN67-110/1-H-56C	$1,997.60
	110	109.55	16	1	II	3580	2310	143TC	3	87	FHN67-110/1-H-143TC	$1,997.60
77	7.5	7.4	237	2	III	500	3450	143/5TC	2	137	FHN77-7.5/1-H-143/5TC	$2,151.00
	7.5	7.4	237	5	III	1250	3340	182/4TC	2	144	FHN77-7.5/1-H-182/4TC	$2,151.00
	7.5	7.4	237	10	III	2490	3160	213/5TC	2	157	FHN77-7.5/1-H-213/5TC	$2,151.00
	10	9.07	193	2	III	610	3530	143/5TC	2	137	FHN77-10/1-H-143/5TC	$2,151.00
	10	9.07	193	5	III	1530	3530	182/4TC	2	144	FHN77-10/1-H-182/4TC	$2,151.00
	10	9.07	193	10	III	3050	3370	213/5TC	2	157	FHN77-10/1-H-213/5TC	$2,151.00
	15	15.64	112	5	III	2630	3530	182/4TC	2	144	FHN77-15/1-H-182/4TC	$2,151.00
	15	15.64	112	10	III	5270	3530	213/5TC	2	157	FHN77-15/1-H-213/5TC	$2,151.00
	20	21.49	81	2	III	1450	3530	143/5TC	2	137	FHN77-20/1-H-143/5TC	$2,151.00
	20	21.49	81	5	III	3620	3530	182/4TC	2	144	FHN77-20/1-H-182/4TC	$2,151.00
	30	31.25	56	2	III	2040	3530	143/5TC	3	140	FHN77-30/1-H-143/5TC	$2,409.21
	30	31.25	56	5	III	5100	3530	182/4TC	3	147	FHN77-30/1-H-182/4TC	$2,409.21
	30	31.25	56	10	I	10210	3530	213/5TC	3	160	FHN77-30/1-H-213/5TC	$2,409.21
	40	41.67	9.74	2	III	2720	3530	143/5TC	3	140	FHN77-40/1-H-143/5TC	$2,409.21
	40	41.67	9.74	5	II	6800	3530	182/4TC	3	147	FHN77-40/1-H-182/4TC	$2,409.21
	40	41.67	9.74	7.5	I	10210	3530	213TC	3	160	FHN77-40/1-H-213TC	$2,409.21
	50	49.04	8.3	2	III	3200	3530	143/5TC	3	140	FHN77-50/1-H-143/5TC	$2,409.21
	50	49.04	8.3	5	II	8010	3530	182/4TC	3	147	FHN77-50/1-H-182/4TC	$2,409.21
	50	49.04	8.3	7.5	I	12010	3530	213TC	3	160	FHN77-50/1-H-213TC	$2,409.21
	60	59.38	6.84	2	III	3880	3530	143/5TC	3	140	FHN77-60/1-H-143/5TC	$2,409.21
	60	59.38	6.84	5	I	9700	3530	182/4TC	3	147	FHN77-60/1-H-182/4TC	$2,409.21
	80	83.63	4.85	2	III	5460	3530	145TC	3	140	FHN77-80/1-H-145TC	$2,409.21
	80	83.63	4.85	3	II	8190	3530	182TC	3	147	FHN77-80/1-H-182TC	$2,409.21
	95	93.9	4.33	2	III	6130	3530	143/5TC	3	140	FHN77-95/1-H-143/5TC	$2,409.21
	95	93.9	19	3.00	I	9200	3530	182TC	3	147	FHN77-95/1-H-182TC	$2,676.90

Service Class I (S.F.=1.0) Service Class II (S.F.=1.5) Service Class III (S.F.=2.0) * Service Class < 1

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FHN Series (Continued...)

Box Size	Nominal Ratio	Actual Ratio	Output RPM @ 1750 RPM Input	Input HP	S.C.	Output Torque (lbs. in.)	OHL (lbs.)	Motor Frame	Stages	Approx. Weight (lbs.)	Model Number	List Price
87	7.5	7.12	246	5	III	1200	3280	182/4TC	2	235	FHN87-7.5/1-H-182/4TC	$3,149.42
	7.5	7.12	246	10	III	2400	3150	213/5TC	2	248	FHN87-7.5/1-H-213/5TC	$3,401.38
	7.5	7.12	246	20	III	4790	2870	254/6TC	2	278	FHN87-7.5/1-H-254/6TC	$3,401.38
	10	9.76	179	5	III	1640	3600	182/4TC	2	235	FHN87-10/1-H-182/4TC	$3,401.38
	10	9.76	179	10	III	3290	3440	213/5TC	2	248	FHN87-10/1-H-213/5TC	$3,401.38
	10	9.76	179	20	III	6570	3110	254/6TC	2	278	FHN87-10/1-H-254/6TC	$3,401.38
	15	14.76	119	5	III	2480	4020	182/4TC	2	235	FHN87-15/1-H-182/4TC	$3,401.38
	15	14.76	119	10	III	4970	3770	213/5TC	2	248	FHN87-15/1-H-213/5TC	$3,401.38
	15	14.76	119	20	III	9940	3280	254/6TC	2	278	FHN87-15/1-H-254/6TC	$3,401.38
	20	19.61	89	5	III	3200	4270	182/4TC	3	235	FHN87-20/1-H-182/4TC	$3,401.38
	20	19.61	89	10	III	6400	3900	213/5TC	3	248	FHN87-20/1-H-213/5TC	$3,401.38
	20	19.61	89	20	III	12810	3160	254/6TC	3	278	FHN87-20/1-H-254/6TC	$3,401.38
	30	28.41	62	5	III	4780	4450	182/4TC	2	235	FHN87-30/1-H-182/4TC	$3,401.38
	45	46.47	38	2	III	3040	4450	145TC	3	232	FHN87-45/1-H-145TC	$3,810.38
	45	46.47	38	5	III	7590	4450	182/4TC	3	241	FHN87-45/1-H-182/4TC	$3,810.38
	50	53.48	33	2	III	3490	4450	145TC	3	232	FHN87-50/1-H-145TC	$3,810.38
	50	53.48	33	3	III	5240	4450	182TC	3	241	FHN87-50/1-H-182TC	$3,810.38
	60	61.76	28	5	III	10090	4450	182/4TC	3	241	FHN87-60/1-H-182/4TC	$3,810.38
	60	61.76	28	10	III	20170	4450	213/5TC	3	255	FHN87-60/1-H-213/5TC	$3,810.38
	70	70.73	25	5	III	11550	4450	182/4TC	3	241	FHN87-70/1-H-182/4TC	$3,810.38
	70	70.73	25	10	III	23100	4450	213/5TC	3	255	FHN87-70/1-H-213/5TC	$3,810.38
	80	78.67	22	5	III	12850	4450	182/4TC	3	241	FHN87-80/1-H-182/4TC	$3,810.38
	80	78.67	22	10	III	25690	4450	213/5TC	3	255	FHN87-80/1-H-213/5TC	$3,810.38
	110	108.77	16	5	III	17760	4450	182/4TC	3	241	FHN87-110/1-H-182/4TC	$3,810.38
97	7	6.99	250	10	III	2350	3910	213/5TC	2	426	FHN97-7/1-H-213/5TC	$4,864.50
	7	6.99	250	20	III	4710	3640	254/6TC	2	459	FHN97-7/1-H-254/6TC	$4,864.50
	7	6.99	250	25	III	5890	3500	284TC	2	464	FHN97-7/1-H-284TC	$4,864.50
	10	9.09	193	10	III	3060	4210	213/5TC	2	426	FHN97-10/1-H-213/5TC	$4,864.50
	10	9.09	193	20	III	6120	3860	254/6TC	2	459	FHN97-10/1-H-254/6TC	$4,864.50
	10	9.09	193	25	III	7650	3690	284TC	2	464	FHN97-10/1-H-284TC	$4,864.50
	15	13.86	126	10	III	4663	4670	213/5TC	2	426	FHN97-15/1-H-213/5TC	$4,864.50
	15	13.86	126	20	III	9330	4350	254/6TC	2	459	FHN97-15/1-H-254/6TC	$4,864.50
	15	13.86	126	25	III	11670	4120	284TC	2	464	FHN97-15/1-H-284TC	$4,864.50
	20	22.72	77	5	III	3830	5810	182/4TC	2	415	FHN97-20/1-H-182/4TC	$4,864.50
	20	22.72	77	10	III	7650	5450	213/5TC	2	426	FHN97-20/1-H-213/5TC	$4,864.50
	20	22.72	77	20	II	15300	4710	254/6TC	2	459	FHN97-20/1-H-254/6TC	$4,864.50
	30	32.38	54	5	III	5450	6430	182/4TC	2	415	FHN97-30/1-H-182/4TC	$4,864.50
	30	32.38	54	10	III	10900	5910	213/5TC	2	426	FHN97-30/1-H-213/5TC	$4,864.50
	45	45.69	38	5	III	7460	6710	182/4TC	3	428	FHN97-45/1-H-182/4TC	$5,444.55
	45	45.69	38	10	III	14920	6370	213/5TC	3	439	FHN97-45/1-H-213/5TC	$5,444.55
	45	45.69	38	20	I	29840	4940	254/6TC	3	472	FHN97-45/1-H-254/6TC	$5,444.55
	50	50.96	34	5	III	8320	6710	182/4TC	3	428	FHN97-50/1-H-182/4TC	$5,444.55
	50	50.96	34	10	III	16640	6490	213/5TC	3	439	FHN97-50/1-H-213/5TC	$5,444.55
	50	50.96	34	15	I	24970	5690	254TC	3	472	FHN97-50/1-H-254TC	$5,444.55
	65	64.52	27	5	III	10540	6710	182/4TC	3	428	FHN97-65/1-H-182/4TC	$5,444.55
	65	64.52	27	10	II	21070	6710	213/5TC	3	439	FHN97-65/1-H-213/5TC	$5,444.55
	65	64.52	27	15	I	31610	5720	254TC	3	472	FHN97-65/1-H-254TC	$5,444.55
	80	77.93	22	10	I	25450	6710	213/5TC	3	439	FHN97-80/1-H-213/5TC	$5,444.55
	100	98.66	18	10	I	32220	6710	213/5TC	3	439	FHN97-100/1-H-213/5TC	$5,444.55

Service Class I (S.F.=1.0) Service Class II (S.F.=1.5) Service Class III (S.F.=2.0) * Service Class < 1

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With Power Lock Specifications and Order Codes



- FHN Series Parallel Shaft Helical Reducers are available with power lock bushings for more secure connections.
- The power lock assembly achieves a non-positive connection between the driven shaft and the hollow shaft in the gear unit.
- Available on units with frame sizes 87 or 97
- All products features (aside from powerlock bushing) and mechanical ratings are consistent with the standard design FHN Reducers.

Box Size	Nominal Ratio	Actual Ratio	Output RPM @ 1750 RPM Input	Input HP	S.C.	Output Torque (lbs. in.)	OHL (lbs.)	Motor Frame	Stages	Approx. Weight (lbs.)	Model Number	List Price
87	7.5	7.12	246	5	III	1200	3280	182/4TC	2	235	FHN87-7.5/1-H-182/4TC-PL	$3,745.52
	7.5	7.12	246	10	III	2400	3150	213/5TC	2	248	FHN87-7.5/1-H-213/5TC-PL	$3,745.52
	7.5	7.12	246	20	III	4790	2870	254/6TC	2	278	FHN87-7.5/1-H-254/6TC-PL	$3,745.52
	10	9.76	179	5	III	1640	3600	182/4TC	2	235	FHN87-10/1-H-182/4TC-PL	$3,745.52
	10	9.76	179	10	III	3290	3440	213/5TC	2	248	FHN87-10/1-H-213/5TC-PL	$3,745.52
	10	9.76	179	20	III	6570	3110	254/6TC	2	278	FHN87-10/1-H-254/6TC-PL	$3,745.52
	15	14.76	119	5	III	2480	4020	182/4TC	2	235	FHN87-15/1-H-182/4TC-PL	$3,745.52
	15	14.76	119	10	III	4970	3770	213/5TC	2	248	FHN87-15/1-H-213/5TC-PL	$3,745.52
	15	14.76	119	20	III	9940	3280	254/6TC	2	278	FHN87-15/1-H-254/6TC-PL	$3,745.52
	20	19.61	89	5	III	3200	4270	182/4TC	3	235	FHN87-20/1-H-182/4TC-PL	$3,745.52
	20	19.61	89	10	III	6400	3900	213/5TC	3	248	FHN87-20/1-H-213/5TC-PL	$3,745.52
	20	19.61	89	20	III	12810	3160	254/6TC	3	278	FHN87-20/1-H-254/6TC-PL	$3,745.52
	30	28.41	62	5	III	4780	4450	182/4TC	2	235	FHN87-30/1-H-182/4TC-PL	$3,745.52
	45	46.47	38	2	III	3040	4450	145TC	3	232	FHN87-45/1-H-145TC-PL	$4,154.53
	45	46.47	38	5	III	7590	4450	182/4TC	3	241	FHN87-45/1-H-182/4TC-PL	$4,154.53
	50	53.48	33	2	III	3490	4450	145TC	3	232	FHN87-50/1-H-145TC-PL	$4,154.53
	50	53.48	33	3	III	5240	4450	182TC	3	241	FHN87-50/1-H-182TC-PL	$4,154.53
	60	61.76	28	5	III	10090	4450	182/4TC	3	241	FHN87-60/1-H-182/4TC-PL	$4,154.53
	60	61.76	28	10	III	20170	4450	213/5TC	3	255	FHN87-60/1-H-213/5TC-PL	$4,154.53
	70	70.73	25	5	III	11550	4450	182/4TC	3	241	FHN87-70/1-H-182/4TC-PL	$4,154.53
	70	70.73	25	10	III	23100	4450	213/5TC	3	255	FHN87-70/1-H-213/5TC-PL	$4,154.53
	80	78.67	22	5	III	12850	4450	182/4TC	3	241	FHN87-80/1-H-182/4TC-PL	$4,154.53
	80	78.67	22	10	III	25690	4450	213/5TC	3	255	FHN87-80/1-H-213/5TC-PL	$4,154.53
	110	108.77	16	5	III	17760	4450	182/4TC	3	241	FHN87-110/1-H-182/4TC-PL	$4,154.53
97	7	6.99	250	10	III	2350	3910	213/5TC	2	426	FHN97-7/1-H-213/5TC-PL	$5,252.45
	7	6.99	250	20	III	4710	3640	254/6TC	2	459	FHN97-7/1-H-254/6TC-PL	$5,252.45
	7	6.99	250	25	III	5890	3500	284TC	2	464	FHN97-7/1-H-284TC-PL	$5,252.45
	10	9.09	193	10	III	3060	4210	213/5TC	2	426	FHN97-10/1-H-213/5TC-PL	$5,252.45
	10	9.09	193	20	III	6120	3860	254/6TC	2	459	FHN97-10/1-H-254/6TC-PL	$5,252.45
	10	9.09	193	25	III	7650	3690	284TC	2	464	FHN97-10/1-H-284TC-PL	$5,252.45
	15	13.86	126	10	III	4663	4670	213/5TC	2	426	FHN97-15/1-H-213/5TC-PL	$5,252.45
	15	13.86	126	20	III	9330	4350	254/6TC	2	459	FHN97-15/1-H-254/6TC-PL	$5,252.45
	15	13.86	126	25	III	11670	4120	284TC	2	464	FHN97-15/1-H-284TC-PL	$5,252.45
	20	22.72	77	5	III	3830	5810	182/4TC	2	415	FHN97-20/1-H-182/4TC-PL	$5,252.45
	20	22.72	77	10	III	7650	5450	213/5TC	2	426	FHN97-20/1-H-213/5TC-PL	$5,252.45
	20	22.72	77	20	II	15300	4710	254/6TC	2	459	FHN97-20/1-H-254/6TC-PL	$5,252.45
	30	32.38	54	5	III	5450	6430	182/4TC	2	415	FHN97-30/1-H-182/4TC-PL	$5,252.45
	30	32.38	54	10	III	10900	5910	213/5TC	2	426	FHN97-30/1-H-213/5TC-PL	$5,252.45
	45	45.69	38	5	III	7460	6710	182/4TC	3	428	FHN97-45/1-H-182/4TC-PL	$5,832.50
	45	45.69	38	10	III	14920	6370	213/5TC	3	439	FHN97-45/1-H-213/5TC-PL	$5,832.50
	45	45.69	38	20	I	29840	4940	254/6TC	3	472	FHN97-45/1-H-254/6TC-PL	$5,832.50
	50	50.96	34	5	III	8320	6710	182/4TC	3	428	FHN97-50/1-H-182/4TC-PL	$5,832.50
	50	50.96	34	10	III	16640	6490	213/5TC	3	439	FHN97-50/1-H-213/5TC-PL	$5,832.50
	50	50.96	34	15	I	24970	5690	254TC	3	472	FHN97-50/1-H-254TC-PL	$5,832.50
	65	64.52	27	5	III	10540	6710	182/4TC	3	428	FHN97-65/1-H-182/4TC-PL	$5,832.50
	65	64.52	27	10	II	21070	6710	213/5TC	3	439	FHN97-65/1-H-213/5TC-PL	$5,832.50
	65	64.52	27	15	I	31610	5720	254TC	3	472	FHN97-65/1-H-254TC-PL	$5,832.50
	80	77.93	22	10	I	25450	6710	213/5TC	3	439	FHN97-80/1-H-213/5TC-PL	$5,832.50
	100	98.66	18	10	I	32220	6710	213/5TC	3	439	FHN97-100/1-H-213/5TC-PL	$5,832.50

Mechanical Ratings

Box Size	Nominal Ratio	Actual Ratio	Output RPM	Service Factor Values: Max Input HP	Max Output Torque (lbs. in.)	O.H.L. (lbs.)	Stages	Nominal Stock Performance: 56C HP	56C T	56C OHL	143TC HP	143TC T	143TC OHL	145TC HP	145TC T	145TC OHL	182TC HP	182TC T	182TC OHL	184TC HP	184TC T	184TC OHL
	5	5.68	308	5.25	1000	420	2	0.75	140	640	1	190	630	2	380	580						
	8	8.14	215	4.22	1160	470	2	0.75	210	710	1	270	700	2	550	630						
	10	10.39	169	5.07	1770	440	2	0.75	260	770	1	350	750	2	700	680						
	15	16.29	107	3.23	1770	575	2	0.75	410	870	1	550	840									
37	25	24.7	71	2.13	1770	720	2	0.75	620	970	1	830	930									
	30	31.69	55	1.71	1770	810	3	0.75	780	1000	1	1040	980									
	40	38.31	46	1.42	1770	890	3	0.75	940	1000	1	1250	1000									
	50	51.7	34	1.05	1770	995	3	0.75	1270	1000	1	1690	1000									
	60	58.32	30	0.93	1770	995	3	0.75	1430	1000												
	6	5.93	295	8.34	1670	630	2	0.75	150	970	1	200	960	2	400	910						
	7	6.9	253	7.59	1760	660	2	0.75	170	1020	1	230	1000	2	460	950						
	10	9.89	177	6.13	2040	730	2	0.75	250	1130	1	330	1110									
	15	15.19	115	6.46	3300	730	2	0.75	380	1300	1	510	1270	2	1020	1170						
	20	20.45	86	4.78	3290	875	2	0.75	520	1330	1	690	1330	2	1380	1250						
47	30	30.66	57	3.2	3200	1015	3	0.75	750	1330	1	1000	1330	2	2000	1290						
	40	42.91	41	2.53	3540	1250	3	0.75	1050	1330	1	1400	1330	2	2800	1330						
	50	50.24	35	2.16	3540	1330	3	0.75	1230	1330	1	1640	1330	2	3280	1330						
	60	60.83	29	1.78	3540	1330	3	0.75	1490	1330	1	1990	1330									
	70	71.21	25	1.52	3540	1330	3	0.75	1740	1330	1	2330	1330									
	85	85.41	20	1.27	3540	1330	3	0.75	2090	1330												
	5	5.98	292	18.35	3700	630	2				1	200	1210	2	400	1170				5	1010	1050
	10	11.35	154	12.09	4620	770	2				1	380	1480	2	760	1400	3	1150	1320			
	15	15.55	113	10.15	5310	940	2							2	1050	1540	3	1570	1440	5	2620	1260
57	20	19.11	92	8.26	5310	1075	2							2	1290	1620	3	1930	1500			
	30	34.11	51	4.77	5310	1515	3				1	1110	2040	2	2230	1840	3	3340	1640			
	40	39.72	44	4.1	5310	1640	3	0.75	970	2070	1	1300	2070	2	2590	1890	3	3890	1660			
	50	56.9	31	2.86	5310	1975	3				1	1860	2070	2	3720	1990						
	60	64.76	27	2.51	5310	2070	3	0.75	1590	2070	1	2120	2070	2	4230	2020						
	10	11.31	155	14.57	5550	725	2	0.75	290	1530	1	380	1510	2	760	1450	3	1140	1390	5	1900	1280
	15	14.46	121	11.36	5530	860	2	0.75	370	1650	1	490	1630	2	970	1560	3	1460	1480	5	2430	1330
	20	18.1	97	9.03	5500	995	2	0.75	460	1770	1	610	1740	2	1220	1650	3	1830	1560	5	3050	1370
	30	30.15	58	5.62	5530	1330	3	0.75	740	2060	1	980	2020	2	1970	1870	3	2950	1720	5	4920	1420
67	40	38.16	46	4.65	5800	1470	3	0.75	930	2210	1	1250	2160	2	2490	1970	3	3740	1780			
	45	44.2	40	4.12	5950	1565	3	0.75	1080	2310	1	1440	2250	2	2890	2030	3	4330	1810			
	65	64.95	27	3.02	6410	1835	3	0.75	1590	2310	1	2120	2310	2	4240	2160						
	90	89.11	20	2.33	6780	2085	3	0.75	2180	2310	1	2910	2310	2	5820	2240						
	110	109.55	16	1.97	7050	2275	3	0.75	2680	2310	1	3580	2310									
	7.5	7.4	237	42.92	10690	1970	2				1	250	3480	2	500	3450	3	750	3410	5	1250	3340
	10	9.07	193	43.5	13280	2130	2				1	310	3530	2	610	3530	3	920	3530	5	1530	3530
	15	15.64	112	25.22	13280	2800	2				1	530	3530	2	1050	3530	3	1580	3530	5	2630	3530
	20	21.49	81	18.36	13280	3240	2				1	720	3530	2	1450	3530	3	2170	3530	5	3620	3530
77	30	31.25	56	13.01	13280	3530	3				1	1020	3530	2	2040	3530	3	3060	3530	5	5100	3530
	40	41.67	42	9.76	13280	3530	3				1	1360	3530	2	2720	3530	3	4080	3530	5	6800	3530
	50	49.04	36	8.29	13280	3530	3				1	1600	3530	2	3200	3530	3	4800	3530	5	8010	3530
	60	59.38	29	6.85	13280	3530	3				1	1940	3530	2	3880	3530	3	5820	3530	5	9700	3530
	80	83.63	21	4.86	13280	3530	3				1	2730	3530	2	5460	3530	3	8190	3530			
	95	93.9	19	4.33	13280	3530	3				1	3070	3530	2	6130	3530	3	9200	3530			
	7	7.12	246	79.79	19120	1010	2							2	480	3370	3	720	3340	5	1200	3280
	10	9.76	179	66.48	21850	1610	2							2	660	3700	3	990	3670	5	1640	3600
	15	14.76	119	43.5	21620	2130	2							2	990	4160	3	1490	4110	5	2480	4020
	20	19.61	89	29.25	18730	2480	3							2	1280	4450	3	1920	4420	5	3200	4270
	30	28.41	62	23	22000	3020	2							2	1910	4450	3	2870	4450	5	4780	4450
87	45	46.47	38	12.11	18390	3890	3							2	3040	4450	3	4550	4450	5	7590	4450
	50	53.48	33	10.6	18520	4130	3							2	3490	4450	3	5240	4450			
	60	61.76	28	12.57	25360	4050	3							2	4030	4450	3	6050	4450	5	10090	4450
	70	70.73	25	11.26	26020	4260	3							2	4620	4450	3	6930	4450	5	11550	4450
	80	78.67	22	10.33	26550	4430	3							2	5140	4450	3	7710	4450	5	12850	4450
	110	108.77	16	7.47	26550	4460	3							2	7100	4450	3	10660	4450	5	17760	4450
	7	6.99	250	77.07	18140	2120	2										3	710	4090	5	1180	4040
	10	9.09	193	78.62	24060	1830	2										3	920	4450	5	1530	4380
	15	13.86	126	64.02	29870	2375	2										3	1400	5110	5	2330	5020
	20	22.72	77	38.95	29800	3325	2										3	2300	5960	5	3830	5810
97	30	32.38	54	29.14	31770	3910	2										3	3270	6640	5	5450	6430
	45	45.69	38	22.66	33810	4560	3										3	4480	6710	5	7460	6710
	50	50.96	34	20.74	34520	4785	3										3	4990	6710	5	8320	6710
	65	64.52	27	17.11	36050	5300	3										3	6320	6710	5	10540	6710
	80	77.93	22	14.69	37390	5740	3										3	7640	6710	5	12730	6710
	100	98.66	18	11.81	38060	6440	3										3	9670	6710	5	16110	6710

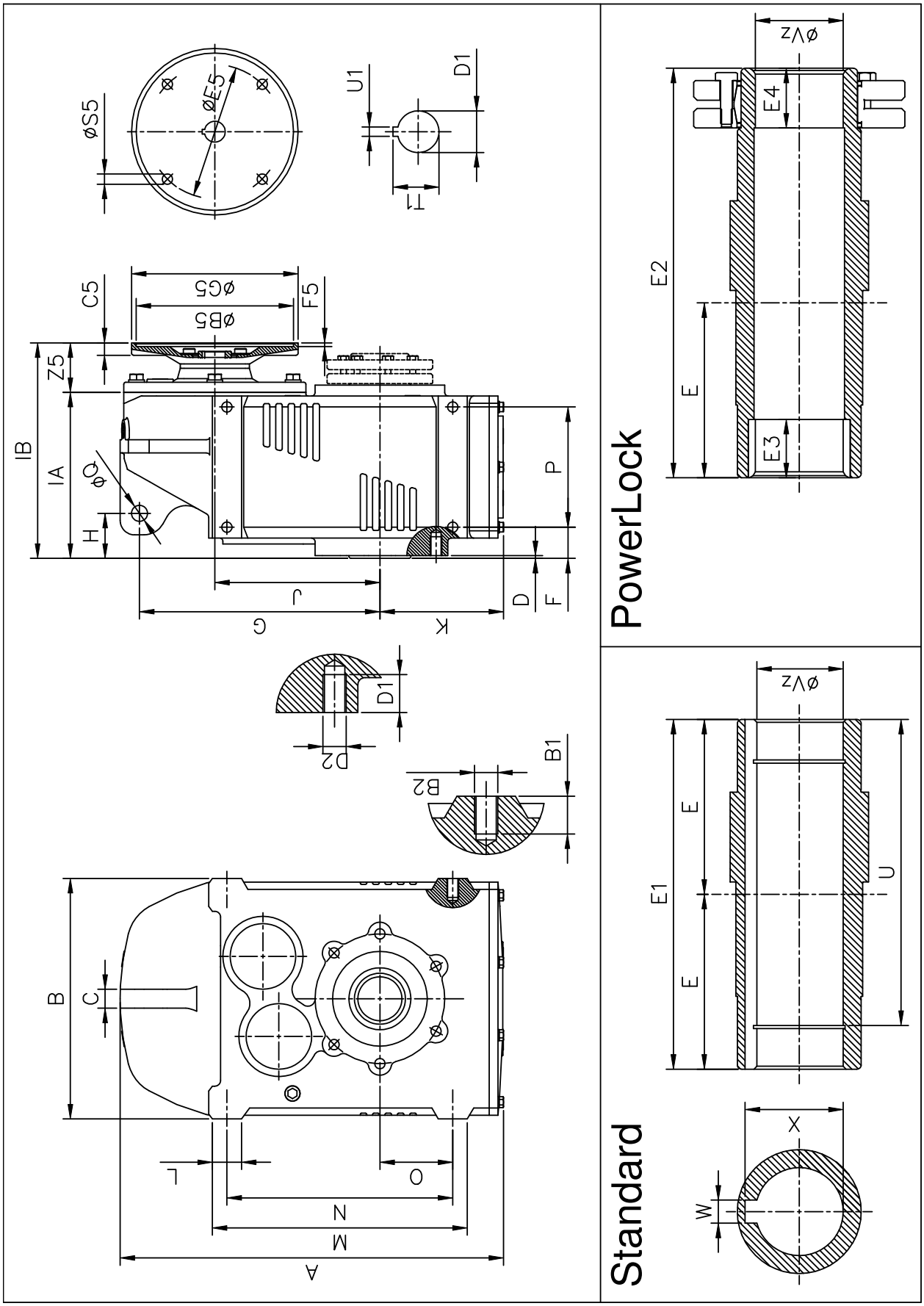
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Mechanical Ratings (Continued...)

Box Size	Nominal Ratio	Actual Ratio	Output RPM	Service Factor Values: Max Input HP	Max Output Torque (lbs. in.)	O.H.L. (lbs.)	Stages	Nominal Stock Performance: 213TC HP	213TC T	213TC OHL	215TC HP	215TC T	215TC OHL	254TC HP	254TC T	254TC OHL	256TC HP	256TC T	256TC OHL	284TC HP	284TC T	284TC OHL
37	5	5.68	308	5.25	1000	420	2															
	8	8.14	215	4.22	1160	470	2															
	10	10.39	169	5.07	1770	440	2															
	15	16.29	107	3.23	1770	575	2															
	25	24.7	71	2.13	1770	720	2															
	30	31.69	55	1.71	1770	810	3															
	40	38.31	46	1.42	1770	890	3															
	50	51.7	34	1.05	1770	995	3															
	60	58.32	30	0.93	1770	995	3															
47	6	5.93	295	8.34	1670	630	2															
	7	6.9	253	7.59	1760	660	2															
	10	9.89	177	6.13	2040	730	2															
	15	15.19	115	6.46	3300	730	2															
	20	20.45	86	4.78	3290	875	2															
	30	30.66	57	3.2	3200	1015	3															
	40	42.91	41	2.53	3540	1250	3															
	50	50.24	35	2.16	3540	1330	3															
	60	60.83	29	1.78	3540	1330	3															
	70	71.21	25	1.52	3540	1330	3															
	85	85.41	20	1.27	3540	1330	3															
57	5	5.98	292	18.35	3700	630	2															
	10	11.35	154	12.09	4620	770	2															
	15	15.55	113	10.15	5310	940	2															
	20	19.11	92	8.26	5310	1075	2															
	30	34.11	51	4.77	5310	1515	3															
	40	39.72	44	4.1	5310	1640	3															
	50	56.9	31	2.86	5310	1975	3															
	60	64.76	27	2.51	5310	2070	3															
67	10	11.31	155	14.57	5550	725	2															
	15	14.46	121	11.36	5530	860	2															
	20	18.1	97	9.03	5500	995	2															
	30	30.15	58	5.62	5530	1330	3															
	40	38.16	46	4.65	5800	1470	3															
	45	44.2	40	4.12	5950	1565	3															
	65	64.95	27	3.02	6410	1835	3															
	90	89.11	20	2.33	6780	2085	3															
	110	109.55	16	1.97	7050	2275	3															
77	7.5	7.4	237	42.92	10690	1970	2	7.5	1870	3250	10	2490	3160									
	10	9.07	193	43.5	13280	2130	2	7.5	2290	3460	10	3050	3370									
	15	15.64	112	25.22	13280	2800	2	7.5	3950	3530	10	5270	3530									
	20	21.49	81	18.36	13280	3240	2															
	30	31.25	56	13.01	13280	3530	3	7.5	7650	3530	10	10210	3530									
	40	41.67	42	9.76	13280	3530	3	7.5	10210	3530												
	50	49.04	36	8.29	13280	3530	3	7.5	12010	3530												
	60	59.38	29	6.85	13280	3530	3															
	80	83.63	21	4.86	13280	3530	3															
	95	93.9	19	4.33	13280	3530	3															
87	7	7.12	246	79.79	19120	1010	2	7.5	1800	3210	10	2400	3150	15	3590	3010	20	4790	2870			
	10	9.76	179	66.48	21850	1610	2	7.5	2470	3520	10	3290	3440	15	4930	3280	20	6570	3110			
	15	14.76	119	43.5	21620	2130	2	7.5	3730	3890	10	4970	3770	15	7450	3530	20	9940	3280			
	20	19.61	89	29.25	18730	2480	3	7.5	4800	4080	10	6400	3900	15	9610	3530	20	12810	3160			
	30	28.41	62	23	22000	3020	2															
	45	46.47	38	12.11	18390	3890	3															
	50	53.48	33	10.6	18520	4130	3															
	60	61.76	28	12.57	25360	4050	3	7.5	15130	4450	10	20170	4450									
	70	70.73	25	11.26	26020	4260	3	7.5	17330	4450	10	23100	4450									
	80	78.67	22	10.33	26550	4430	3	7.5	19270	4450	10	25690	4450									
	110	108.77	16	7.47	26550	4460	3															
97	7	6.99	250	77.07	18140	2120	2	7.5	1770	3970	10	2350	3910	15	3530	3770	20	4710	3640	25	5890	3500
	10	9.09	193	78.62	24060	1830	2	7.5	2300	4290	10	3060	4210	15	4590	4030	20	6120	3860	25	7650	3690
	15	13.86	126	64.02	29870	2375	2	7.5	3500	4910	10	4670	4790	15	7000	4570	20	9330	4350	25	11670	4120
	20	22.72	77	38.95	29800	3325	2	7.5	5740	5630	10	7650	5450	15	11480	5080	20	15300	4710			
	30	32.38	54	29.14	31770	3910	2	7.5	8180	6170	10	10900	5910									
	45	45.69	38	22.66	33810	4560	3	7.5	11190	6710	10	14920	6370	15	22380	5650	20	29840	4940			
	50	50.96	34	20.74	34520	4785	3	7.5	12480	6710	10	16640	6490	15	24970	5690						
	65	64.52	27	17.11	36050	5300	3	7.5	15800	6710	10	21070	6710	15	31610	5720						
	80	77.93	22	14.69	37390	5740	3	7.5	19090	6710	10	25450	6710									
	100	98.66	18	11.81	38060	6440	3	7.5	24170	6710	10	32220	6710									

Dimensions



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FHN Series | Dimensions (Continued...)

All listed dimensions in inches

Box Size	NEMA Frame	A	B	B1	B2	C	D	D1	D2	E	E1	E2	E3	E4	F	G	H	IA	IB	J	K	L	M	N	O	P	Z5	F5
37	56C	9.92	6.50	0.43	M8	0.47	0.06	0.43	M8	2.36	4.72				0.85	6.22	1.20	4.35	6.75	4.41	2.89	0.79	5.31	4.53	1.22	3.03	2.40	0.16
	143/5TC	9.92	6.50	0.43	M8	0.47	0.06	0.43	M8	2.36	4.72				0.85	6.22	1.20	4.35	7.15	4.41	2.89	0.79	5.31	4.53	1.22	3.03	2.80	0.20
47	56C	10.79	7.09	0.59	M10	0.47	0.04	0.43	M8	2.95	5.91				1.16	6.69	1.26	5.18	7.58	4.80	3.29	0.79	6.50	5.71	1.69	3.66	2.40	0.16
	143/5TC	10.79	7.09	0.59	M10	0.47	0.04	0.43	M8	2.95	5.91				1.16	6.69	1.26	5.18	7.97	4.80	3.29	0.79	6.50	5.71	1.69	3.66	2.80	0.20
57	56C	12.36	7.87	0.67	M12	0.55	0.11	0.67	M12	3.27	6.54				1.32	6.50	1.59	6.06	8.24	5.35	3.66	0.98	7.67	6.69	2.17	4.02	2.40	0.16
	143/5TC	12.36	7.87	0.67	M12	0.55	0.11	0.67	M12	3.27	6.54				1.32	6.50	1.59	6.06	8.63	5.35	3.66	0.98	7.67	6.69	2.17	4.02	2.80	0.20
67	56C	13.23	8.35	0.67	M12	0.63	0.04	0.67	M12	3.54	7.09				1.38	8.58	1.52	6.32	8.46	6.03	3.94	0.98	8.46	7.48	2.36	4.41	2.15	0.16
	143/5TC	13.23	8.35	0.67	M12	0.63	0.04	0.67	M12	3.54	7.09				1.38	8.58	1.52	6.32	8.86	6.03	3.94	0.98	8.46	7.48	2.36	4.41	2.54	0.20
	182/4TC	13.23	8.35	0.67	M12	0.63	0.04	0.67	M12	3.54	7.09				1.38	8.58	1.52	6.32	9.59	6.03	3.94	0.98	8.46	7.48	2.36	4.41	3.27	0.20
77	143/5TC	17.01	10.63	1.02	M16	0.79	0.16	0.67	M12	4.13	8.27				1.44	10.87	1.48	7.46	9.78	7.87	5.08	1.38	10.83	9.45	2.76	5.51	3.05	0.20
	182/4TC	17.01	10.63	1.02	M16	0.79	0.16	0.67	M12	4.13	8.27				1.44	10.87	1.48	7.46	10.51	7.87	5.08	1.38	10.83	9.45	2.76	5.51	5.31	0.20
	213/5TC	17.01	10.63	1.02	M16	0.79	0.16	0.67	M12	4.13	8.27				1.44	10.87	1.48	7.46	12.78	7.87	5.08	1.38	10.83	9.45	2.76	5.51	5.31	0.20
87	143/5TC	20.75	12.99	1.02	M16	1.02	0.16	1.02	M16	4.72	9.45	11.06	1.57	1.61	1.69	12.99	2.44	8.98	10.93	8.92	6.69	1.57	13.78	12.20	3.94	6.50	1.95	0.20
	182/4TC	20.75	12.99	1.02	M16	1.02	0.16	1.02	M16	4.72	9.45	11.06	1.57	1.61	1.69	12.99	2.44	8.98	11.65	8.92	6.69	1.57	13.78	12.20	3.94	6.50	2.68	0.20
	213/5TC	20.75	12.99	1.02	M16	1.02	0.16	1.02	M16	4.72	9.45	11.06	1.57	1.61	1.69	12.99	2.44	8.98	13.92	8.92	6.69	1.57	13.78	12.20	3.94	6.50	4.94	0.20
	254/6TC	20.75	12.99	1.02	M16	1.02	0.16	1.02	M16	4.72	9.45	11.06	1.57	1.61	1.69	12.99	2.44	8.98	14.90	8.92	6.69	1.57	13.78	12.20	3.94	6.50	5.93	0.20
97	182/4TC	24.49	15.75	1.10	M20	1.18	0.04	1.02	M16	5.91	11.81	13.58	1.97	2.17	1.83	15.55	2.76	10.87	13.39	10.63	7.64	1.97	16.14	13.78	4.72	8.07	2.52	0.20
	213/5TC	24.49	15.75	1.10	M20	1.18	0.04	1.02	M16	5.91	11.81	13.58	1.97	2.17	1.83	15.55	2.76	10.87	15.49	10.63	7.64	1.97	16.14	13.78	4.72	8.07	4.63	0.20
	254/6TC	24.49	15.75	1.10	M20	1.18	0.04	1.02	M16	5.91	11.81	13.58	1.97	2.17	1.83	15.55	2.76	10.87	16.48	10.63	7.64	1.97	16.14	13.78	4.72	8.07	5.61	0.20
	284/6TC	24.49	15.75	1.10	M20	1.18	0.04	1.02	M16	5.91	11.81	13.58	1.97	2.17	1.83	15.55	2.76	10.87	16.83	10.63	7.64	1.97	16.14	13.78	4.72	8.07	5.96	0.20

All listed dimensions in inches

Box Size	NEMA Frame	FLANGE (inches)					INPUT BORE (inches)			OUTPUT BORE (inches)				BORE TOLERANCE
		B5	C5	E5	G5	S5	U1	D1	T1	U	V	W	X	Z
37	56C	4.50	0.39	5.875	6.50	0.41	0.187	0.625	0.71	4.13	1.250	0.25	1.37	+0.002 / +0.001
	143/5TC	4.50	0.47	5.875	6.50	0.41	0.187	0.875	0.96	4.13	1.250	0.25	1.37	+0.002 / +0.001
47	56C	4.50	0.39	5.875	6.50	0.41	0.187	0.625	0.71	5.20	1.375	0.31	1.52	+0.002 / +0.001
	143/5TC	4.50	0.47	5.875	6.50	0.41	0.187	0.875	0.96	5.20	1.375	0.31	1.52	+0.002 / +0.001
57	56C	4.50	0.39	5.875	6.50	0.41	0.188	0.625	0.71	5.59	1.500	0.38	1.67	+0.002 / +0.001
	143/5TC	4.50	0.47	5.875	6.50	0.41	0.188	0.875	0.97	5.59	1.500	0.38	1.67	+0.002 / +0.001
67	56C	4.50	0.39	5.875	6.50	0.41	0.187	0.625	0.71	6.14	1.500	0.38	1.67	+0.002 / +0.001
	143/5TC	4.50	0.47	5.875	6.50	0.41	0.187	0.875	0.96	6.14	1.500	0.38	1.67	+0.002 / +0.001
	182/4TC	8.50	0.67	7.250	9.00	0.55	0.250	1.125	1.24	6.14	1.500	0.38	1.67	+0.002 / +0.001
77	143/5TC	4.50	0.47	5.875	6.50	0.41	0.187	0.875	0.96	7.20	2.000	0.50	2.22	+0.002 / +0.001
	182/4TC	8.50	0.67	7.250	9.00	0.55	0.250	1.125	1.24	7.20	2.000	0.50	2.22	+0.002 / +0.001
	213/5TC	8.50	0.67	7.250	9.00	0.55	0.313	1.375	1.52	7.20	2.000	0.50	2.22	+0.002 / +0.001
87	143/5TC	4.50	0.47	5.875	6.50	0.41	0.187	0.875	0.96	8.27	2.375	0.63	2.65	+0.002 / +0.001
	182/4TC	8.50	0.67	7.250	9.00	0.55	0.250	1.125	1.24	8.27	2.375	0.63	2.65	+0.002 / +0.001
	213/5TC	8.50	0.67	7.250	9.00	0.55	0.313	1.375	1.52	8.27	2.375	0.63	2.65	+0.002 / +0.001
	254/6TC	8.50	0.79	7.250	10.00	0.55	0.375	1.625	1.80	8.27	2.375	0.63	2.65	+0.002 / +0.001
97	182/4TC	8.50	0.67	7.250	9.00	0.55	0.250	1.125	1.24	10.63	2.750	0.63	3.03	+0.002 / +0.001
	213/5TC	8.50	0.67	7.250	9.00	0.55	0.313	1.375	1.52	10.63	2.750	0.63	3.03	+0.002 / +0.001
	254/6TC	8.50	0.79	7.250	10.00	0.55	0.375	1.625	1.80	10.63	2.750	0.63	3.03	+0.002 / +0.001
	284/6TC	10.50	0.79	9.000	11.26	0.59	0.500	1.875	2.10	10.63	2.750	0.63	3.03	+0.002 / +0.001

Accessories & Parts

B5 Single Output Shafts

Used for mounting into WorldWide Electric hollow bore reducers for the purpose of turning a hollow bore output unit to a shaft output unit. Shaft kits are compatible with the KAN, KHN and FHN Series except when the reducer are used with a B5 flange. Kit includes single output shaft, key, endplate and bolt.



Box Size	Shaft Diameter (Inches)	Shaft Length (Inches)	Model Number	List Price
37	1	6.852	KAN/KHN/FHN37-OPS-S	$39.82
47	1.25	8.423	KAN/KHN/FHN47-OPS-S	$55.73
57	1.375	9.490	KAN/KHN/FHN57-OPS-S	$119.46
67	1.5	10.433	KAN/KHN/FHN67-OPS-S	$119.46
77	2	12.444	KAN/KHN/FHN77-OPS-S	$155.85
87	2.375	14.405	KAN/KHN/FHN87-OPS-S	$238.90
97	2.75	17.597	KAN/KHN/FHN97-OPS-S	$367.46

Double Output Shafts

The FHN Series Double Output Shaft is compatible with the KHN Series reducer. Kit includes double output shaft, key, retaining ring, and C-clips.



Box Size	Shaft Diameter (Inches)	Shaft Length (Inches)	Model Number	List Price
37	1	9.137	KAN/KHN/FHN37-OPS-DS	$77.35
47	1.25	11.098	KAN/KHN/FHN47-OPS-DS	$112.61
67	1.5	13.938	KAN/KHN/FHN67-OPS-DS	$242.32

B5 Single Output Shafts

The B5 Single Output Shaft is longer than the standard Single Output Shaft and is meant to be used when a B5 Output Flange is installed. It is compatible with the KAN and FHN Series reducer. Kit includes single output shaft, key, endplate, and bolt.



Box Size	Shaft Diameter (Inches)	Shaft Length (Inches)	Model Number	List Price
37	1	9.137	KAN/FHN37-OPS-S-B5	$35.30
47	1.25	11.098	KAN/FHN47-OPS-S-B5	$49.16
57	1.375	10.142	FHN57-OPS-S-B5	$106.38
67	1.5	13.938	KAN/FHN67-OPS-S-B5	$106.38
77	2	16.778	KAN/FHN77-OPS-S-B5	$147.93
87	2.375	19.519	KAN/FHN87-OPS-S-B5	$212.31
97	2.75	23.54	KAN/FHN97-OPS-S-B5	$326.72

B5 Output Flange

The B5 Output Flange is compatible with the KAN and FHN Series reducer. Kit includes B5 output flange and mounting bolts.



Box Size	Model Number	List Price
37	KAN/FHN37-OPF-B5	$89.94
47	KAN/FHN47-OPF-B5	$93.33
57	KAN57-OPF-B5	$93.33
67	KAN/FHN67-OPF-B5	$93.33
77	KAN/FHN77-OPF-B5	$137.41
87	KAN/FHN87-OPF-B5	$212.81
97	KAN/FHN97-OPF-B5	$317.47

B14 Output Flange

The B14 Output Flange is compatible Kit includes B14 output flange, double lip output seal, and mounting bolts.



Box Size	Model Number	List Price
37	KAN/FHN37-OPF-B14	$44.31
47	KAN/FHN47-OPF-B14	$54.29
57	KAN/FHN57/67-OPF-B14	$90.22
67	KAN/FHN57/67-OPF-B14	$90.22
77	KAN/FHN77-OPF-B14	$117.36
87	KAN/FHN87-OPF-B14	$176.83
97	KAN/FHN97-OPF-B14	$245.89

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FHN Series | Accessories & Parts (Continued...)

Screw Conveyor Drive Shafts

Machined from high tensile strength alloy steel. Conforms to CEMA Standards. Three-hole design for easy installaion onto screw.



Box Size	Shaft Diameter (Inches)	Model Number	List Price
47	1.5	KAN/FHN47-SCDS-1.5	$199.10
	2	KAN/FHN47-SCDS-2	$246.48
57	1.5	KAN/FHN57-SCDS-1.5	$334.36
	2	KAN/FHN57-SCDS-2	$334.36
	2.4375	KAN/FHN57-SCDS-2.4375	$395.46
67	1.5	KAN/FHN67-SCDS-1.5	$334.36
	2	KAN/FHN67-SCDS-2	$334.36
	2.4375	KAN/FHN67-SCDS-2.4375	$395.46
77	2	KAN/FHN77-SCDS-2	$472.35
	2.4375	KAN/FHN77-SCDS-2.4375	$489.53
	3	KAN/FHN77-SCDS-3	$648.12
87	2	KAN/FHN87-SCDS-2	$759.34
	2.4375	KAN/FHN87-SCDS-2.4375	$786.12
	3	KAN/FHN87-SCDS-3	$792.98
97	2	KAN/FHN97-SCDS-2	$871.94
	2.4375	KAN/FHN97-SCDS-2.4375	$898.72
	3	KAN/FHN97-SCDS-3	$904.21
	3.4375	KAN/FHN97-SCDS-3.4375	$1,152.06

Screw Conveyor Flange

Conforms to CEMA standards. Bolt-on design allows for easy mounting. Heavy duty FCD45 cast iron construction. Double lip seal and branded felt seal installed.



Box Size	Model Number	List Price
47	KAN/FHN47-SCF	$618.89
57	KAN/FHN57/67-SCF	$736.98
67	KAN/FHN57/67-SCF	$736.98
77	KAN/FHN77-SCF	$763.14
87	KAN/FHN87-SCF	$894.69
97	KAN/FHN97-SCF	$1,500.11

How to Read A.G.M.A. Service Factors Tables

- The ratings for gear drives in this manual are based on a service factor of 1.00, for uniform load and uniform power source, up to 10 hours of operation per day. For other operating conditions, the application horsepower or torque must be multiplied by the appropriate service factor, to determine the equivalent gear drive power rating. A gear drive should be selected with a rated capacity equal to or greater than the equivalent rating. A condensed service factor chart is located in the selection information pages for each type of gear drive or reducer.
- A.G.M.A. Service Factors for Worm and Helical Worm Reducers are listed on pages 72-73.
- Table 1 indicates the relationship between service factors and load classification numbers.
- A.G.M.A. service factors are based on a uniform power source. If other power sources are used, the service factors must be converted using Table 2. Determine the required service factor with uniform power source. Locate that service factor in the first column and read straight across to obtain required service factor with multi-cylinder or single cylinder engines.
- Service factors do not need to be used with thermal ratings.
- Service Factor charts are for general guidelines in determining required service factors. Past experience may indicate that different service factors are required. Consult the factory for unusual or severe applications, or when there are any safety considerations.

Table 1 - Load Classification Numbers

Load Class (S.F.)	Up to 3 Hours Total Operation Per Day	3 to 10 Hours Total Operation Per Day	Over 10 Hours Total Operation Per Day
I (1.0)	Moderate Shock Load	Uniform Load	---
II (1.4)	Heavy Shock Load	Moderate Shock Load	Uniform Load
III (2.0)	---	Heavy Shock Load	Moderate Shock Load

Table 2 - Service Factor Conversion Based on Type of Power Source

Steam or Gas Turbine Hydraulic or Electric Motor	Multi-Cylinder Engine	Single Cylinder Engine
1.00	1.25	1.50
1.25	1.50	1.75
1.50	1.75	2.00
1.75	2.00	2.25
2.00	2.25	2.50
2.50	2.75	3.00
3.00	3.25	3.50

A.G.M.A Service Factor Table
Worm Gear Reducers & Gearmotors

Worm Gear Reducers & Gearmotors Application	Total Operation < 3 Hrs. Per Day	Total Operation 3-10 Hrs. Per Day	Total Operation > 10 Hrs. Per Day
Agitators (mixers)			
– Pure liquids	---	1.00	1.25
– Liquids and solids	1.00	1.25	1.50
– Liquids-variable density	1.00	1.25	1.50
Blowers			
– Centrifugal	---	1.00	1.25
– Lobe	1.00	1.25	1.50
– Vane	---	1.00	1.25
Brewing and distilling			
Bottling machinery	---	1.00	1.25
– Brew kettles-continuous duty	---	1.00	1.25
– Cookers-continuous duty	---	1.00	1.25
– Mash tubs-continuous duty	---	1.00	1.25
– Scale hopper-frequent starts	1.00	1.25	1.50
Can filling machines	---	1.00	1.25
Car dumpers	1.25	1.50	1.75
Car pullers	1.00	1.25	1.50
Clarifiers	---	1.00	1.25
Classifiers	1.00	1.25	1.50
Clay working machinery			
– Brick press	1.25	1.50	1.75
– Briquette machine	1.25	1.50	1.75
– Pug mill	1.00	1.25	1.50
Compactors	1.50	1.75	2.00
Compressors			
– Centrifugal	---	1.00	1.25
– Lobe	1.00	1.25	1.50
– Reciprocating, multi-cylinder	1.00	1.25	1.50
– Reciprocating, single-cylinder	1.25	1.50	1.75
Conveyors-general purpose			
– Uniformly loaded or fed	---	1.00	1.25
– Not uniformly fed	1.00	1.25	1.50
– Reciprocating or shaker	1.25	1.50	1.75
Cranes			
– Dry dock			
• Main hoist	1.25	1.50	1.75
• Auxiliary hoist	1.25	1.50	1.75
• Boom hoist	1.25	1.50	1.75
• Slewing drive	1.25	1.50	1.75
• Traction drive	1.50	1.50	1.50
– Container			
• Main hoist	---	---	---
• Boom hoist	---	---	---
• Trolley drive, Gantry drive	---	---	---
• Trolley drive, Traction drive	---	---	---
– Mill duty			
• Main hoist	---	---	---
• Auxiliary	---	---	---
• Bridge	---	---	---
• Trolley travel	---	---	---
• Industrial duty			
• Main	---	---	---
• Auxiliary	---	---	---
• Bridge	---	---	---
• Trolley travel	---	---	---

Continued On Next Page

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A.G.M.A Service Factor Table | Worm Gear Reducers & Gearmotors (Continued...)

Worm Gear Reducers & Gearmotors Application	Total Operation		
	< 3 Hrs. Per Day	3-10 Hrs. Per Day	> 10 Hrs. Per Day
Crushers			
Stone or ore	1.50	1.75	2.00
Dredges			
– Cable reels	1.00	1.25	1.50
– Conveyors	1.00	1.25	1.50
– Cutter head drives	1.25	1.50	1.75
– Pumps	1.00	1.25	1.50
– Screen drives	1.25	1.50	1.75
– Stackers	1.00	1.25	1.50
– Winches	1.00	1.25	1.50
Elevators			
– Bucket	1.00	1.25	1.50
– Centrifugal discharge	---	1.00	1.25
– Escalators	---	---	---
– Freight	---	---	---
– Gravity discharge	---	1.00	1.25
Extruders			
– General	1.25	1.25	1.25
– Plastics			
• Variable speed drive	1.50	1.50	1.50
• Fixed speed drive	1.75	1.75	1.75
– Rubber			
• Continuous screw operation	1.50	1.50	1.50
• Intermittent screw operation	1.75	1.75	1.75
Fans			
– Centrifugal	---	1.00	1.25
– Cooling towers	---	---	---
– Forced draft	1.25	1.25	1.25
– Induced draft	1.00	1.25	1.50
– Industrial and mine	1.00	1.25	1.50
Feeders			
– Apron	---	1.25	1.50
– Belt	1.00	1.25	1.50
– Disc	---	1.00	1.25
– Reciprocating	1.25	1.50	1.75
– Screw	1.00	1.25	1.50
Food industry			
– Cereal cooker	---	1.00	1.25
– Dough mixer	1.00	1.25	1.50
– Meat grinders	1.00	1.25	1.50
– Slicers	1.00	1.25	1.50
Generators and exciters	---	1.00	1.25
Hammer mills	1.50	1.50	1.75
Hoists			
– Heavy duty	1.25	1.50	1.75
– Medium duty	1.00	1.25	1.50
– Skip hoist	1.00	1.25	1.50
Laundry			
– Tumblers	1.00	1.25	1.50
– Washers	1.25	1.25	1.50

Worm Gear Reducers & Gearmotors Application	Total Operation		
	< 3 Hrs. Per Day	3-10 Hrs. Per Day	> 10 Hrs. Per Day
Lumber industry			
– Barkers-spindle feed	1.25	1.25	1.50
• Main drive	1.50	1.50	1.50
– Conveyors-burner	1.25	1.25	1.50
• Main or heavy duty	1.50	1.50	1.50
• Main log	1.50	1.50	1.75
• Re-saw, merry-go-round	1.25	1.25	1.50
– Conveyors			
• Slab	1.50	1.50	1.75
• Transfer	1.25	1.25	1.50
– Chains			
• Floor	1.50	1.50	1.50
• Green	1.50	1.50	1.50
– Cut-off saws			
• Chain	1.50	1.50	1.50
• Drag	1.50	1.50	1.50
– Debarking drums	1.50	1.50	1.75
– Feeds			
• Edger	1.25	1.25	1.50
• Gang	1.50	1.50	1.50
• Trimmer	1.25	1.25	1.50
– Log deck	1.50	1.50	1.50
– Log hauls-incline-well type	1.50	1.50	1.50
– Log turning devices	1.50	1.50	1.50
– Planer feed	1.25	1.25	1.50
– Planer tilting hoists	1.50	1.50	1.50
– Rolls-live-off bearing-roll cases	1.50	1.50	1.50
– Sorting table	1.25	1.50	1.50
– Tipple hoist	1.25	1.25	1.50
– Transfers			
• Chain	1.50	1.50	1.50
• Craneway	1.50	1.50	1.50
– Tray drives	1.25	1.25	1.50
– Veneer lathe drives	---	---	---
Metal mills			
– Draw bench carriage and main drive	1.00	1.25	1.50
– Runout table			
• Non-reversing, Group drives	1.00	1.25	1.50
• Non-reversing, Individual drives	1.50	1.50	1.75
• Reversing	1.50	1.50	1.75
– Slab pushers	1.25	1.25	1.50
– Shears	1.50	1.50	1.75
– Wire drawing	1.00	1.25	1.50
– Wire winding machine	1.00	1.25	1.50
Metal strip processing machinery			
– Bridles	1.25	1.25	1.50
– Coilers and uncoilers	1.00	1.00	1.25
– Edge trimmers	1.00	1.25	1.50
– Flatteners	1.25	1.25	1.50
– Loopers (accumulators)	1.00	1.00	1.00
– Pinch rolls	1.25	1.25	1.50
– Scrap choppers	1.00	1.25	1.50
– Shears	1.50	1.50	1.75
– Slitters	1.00	1.25	1.50
Mills, rotary type			
– Ball & rod			
• Spur ring gear	1.50	1.50	1.75
• Helical ring gear	1.50	1.50	1.50
• Direct connected	1.50	1.50	1.75
• Cement kilns	1.50	1.50	1.50
• Dryers & coolers	1.50	1.50	1.50

(1) Crane drives are to be selected based on gear tooth bending strength, using the numeric service factors inthis table Service factor in durability shall be a minimum of 1.00.
(2) Anti-friction bearings only.
(3) A class number of I may be applied at base speed of a super calender operating over-speed range or part range constant horsepower, part range constant torque where the constant horsepower speed range is grater than 1.5 to 1. A class number of II is applicable to super calenders operating over the entire speed range at constant torque or where the constant horsepower speed range is less than 1.5 to 1. (1).

Continued On Next Page

A.G.M.A Service Factor Table | Worm Gear Reducers & Gearmotors (Continued...)

Worm Gear Reducers & Gearmotors Application	Total Operation		
	< 3 Hrs. Per Day	3-10 Hrs. Per Day	> 10 Hrs. Per Day
Mixers			
– Concrete	1.00	1.25	1.50
Paper mills			
– Agitator (mixer)	1.50	1.50	1.50
– Agitator for pure liquors	1.25	1.25	1.25
– Barking drums	1.75	1.75	1.75
– Barkers - mechanical	1.75	1.75	1.75
– Beater	1.50	1.50	1.50
– Breaker stack	1.25	1.25	1.25
– Calender 2)	1.25	1.25	1.25
– Chipper	1.75	1.75	1.75
– Chip feeder	1.50	1.50	1.50
– Coating rolls	1.25	1.25	1.25
– Conveyors			
• Chip, bark, chemical	1.25	1.25	1.25
• Log (including slab)	1.75	1.75	1.75
– Couch rolls	1.25	1.25	1.25
– Cutter	1.75	1.75	1.75
– Cylinder molds	1.25	1.25	1.25
– Dryers 2)			
• Paper machine	1.25	1.25	1.25
• Conveyor type	1.25	1.25	1.25
– Embosser	1.25	1.25	1.25
– Extruder	1.50	1.50	1.50
– Fourdrinier rolls	1.25	1.25	1.25
• (includes lump breaker, dandy roll, wire turning,and return rolls)			
– Jordan	1.25	1.25	1.25
– Kiln drive	1.50	1.50	1.50
– Mt. Hope roll	1.25	1.25	1.25
– Paper rolls	1.25	1.25	1.25
– Platter	1.50	1.50	1.50
– Presses - felt & suction	1.25	1.25	1.25
– Pulper	1.50	1.50	1.75
– Pumps - vacuum	1.50	1.50	1.50
– Reel (surface type)	1.25	1.25	1.50
– Screens			
• Chip	1.50	1.50	1.50
• Rotary	1.50	1.50	1.50
• Vibrating	1.75	1.75	1.75
– Size press	1.25	1.25	1.25
– Super calender 3)	1.25	1.25	1.25
– Thickener (AC motor)	1.50	1.50	1.50
• (DC motor)	1.25	1.25	1.25
– Washer (AC motor)	1.50	1.50	1.50
• (DC motor)	1.25	1.25	1.25
– Wind and unwind stand	1.00	1.00	1.00
– Winders (surface type)	1.25	1.25	1.25
– Yankee dryers 2)	1.25	1.25	1.25
Plastic industry			
– Primary processing			
• Intensive internal mixers			
- Batch mixers	1.75	1.75	1.75
- Continuous mixers	1.50	1.50	1.50
• Batch drop mill - 2 smooth rolls	1.25	1.25	1.25
	1.25	1.25	1.25
• Continuous feed, holding, blend mill	1.25	1.25	1.25
	1.50	1.50	1.50
• Compounding mill			
• Calenders	1.50	1.50	1.50
– Secondary processing	1.25	1.25	1.25
• Blow molders	1.25	1.25	1.25
• Coating	1.25	1.25	1.25
• Film	1.50	1.50	1.50
• Pipe	1.25	1.25	1.25
• Pre-plasticizers	1.25	1.25	1.25
• Rods	1.25	1.25	1.50
• Sheet			
• Tubing			
Pullers - barge haul	1.00	1.50	1.75

Worm Gear Reducers & Gearmotors Application	Total Operation		
	< 3 Hrs. Per Day	3-10 Hrs. Per Day	> 10 Hrs. Per Day
Pumps			
– Centrifugal	---	1.00	1.25
– Proportioning	1.00	1.25	1.50
– Reciprocating			
• Single acting, 3 or more cylinders	1.00	1.25	1.50
	1.00	1.25	1.50
• Double acting, 2 or more cylinders	---	1.00	1.50
– Rotary	---	1.00	1.25
• Gear type	---	1.00	1.25
• Lobe			
• Vane			
Rubber industry			
– Intensive internal mixers			
• Batch mixers	1.50	1.70	1.75
• Continuous mixers	1.25	1.50	1.50
– Mixing mill - 2 smooth rolls (if corrugated rolls are used, then use the same service factors that are used for a cracker warmer)	1.50	1.50	1.50
– Batch drop mill - 2 smooth rolls	1.50	1.50	1.50
– Cracker warmer - 2 rolls; 1 corrogated roll	1.75	1.75	1.75
– Cracker - 2 corrugated rolls	1.75	1.75	1.75
– Holding, feed & blend mill - 2 rolls	1.25	1.25	1.25
– Refiner - 2 rolls	1.50	1.50	1.50
– Calenders	1.50	1.50	1.50
Sand muller	1.00	1.25	1.50
Sewage disposal equipment			
– Bar screens	---	1.00	1.25
– Chemical feeders	1.00	1.00	1.25
– Dewatering screens	1.00	1.25	1.50
– Scum breakers	1.00	1.25	1.50
– Slow or rapid mixers	1.00	1.25	1.50
– Sludge collectors	1.00	1.00	1.25
– Thickeners	1.00	1.25	1.50
– Vacuum filters	1.00	1.25	1.50
Screens			
– Air washing	---	1.00	1.25
– Rotary - stone or gravel	1.00	1.25	1.50
– Traveling water intake	---	1.00	1.25
Sugar industry			
– Beet slicer	1.50	1.50	1.75
– Cane knives	1.50	1.50	1.50
– Crushers	1.50	1.50	1.50
– Mills (low speed end)	1.50	1.50	1.50
Textile industry			
– Batchers	1.00	1.25	1.50
– Calenders	1.00	1.25	1.50
– Cards	1.00	1.25	1.50
– Dry cans	1.00	1.25	1.50
– Dryers	1.00	1.25	1.50
– Dyeing machinery	1.00	1.25	1.50
– Looms	1.00	1.25	1.50
– Mangles	1.00	1.25	1.50
– Nappers	1.00	1.25	1.50
– Pads	1.00	1.25	1.50
– Slashers	1.00	1.25	1.50
– Soapers	1.00	1.25	1.50
– Spinners	1.00	1.25	1.50
– Tenter frames	1.00	1.25	1.50
– Washers	1.00	1.25	1.50
– Winders	1.00	1.25	1.50

Continued On Next Page

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A.G.M.A Load Classification Table
Shaft Mount Reducers

Shaft Mount Reducers Application	Total Operation		
	< 3 Hrs. Per Day	3-10 Hrs. Per Day	> 10 Hrs. Per Day
Agitators (mixers)			
– Pure liquids	I	I	II
– Liquids and solids	I	II	II
– Liquids-variable density	I	II	II
Blowers			
– Centrifugal	I	I	II
– Lobe	I	II	II
– Vane	I	II	II
Brewing and distilling			
– Bottling machinery	I	I	II
– Brew kettles-continuous duty	II	II	II
– Cookers-continuous duty	II	II	II
– Mash tubs-continuous duty	II	II	II
– Scale hopper-frequent starts	II	II	II
Can filling machines	I	I	II
Car dumpers	I	III	III
Car pullers	I	II	II
Clarifiers	I	I	II
Classifiers	I	II	II
Clay working machinery			
– Brick press	II	III	III
– Briquette machine	II	III	III
– Pug mill	I	II	II
Compactors	III	III	III
Compressors			
– Centrifugal	I	I	II
– Lobe	I	II	II
– Reciprocating, multi-cylinder	II	II	III
– Reciprocating, single-cylinder	III	III	III
Cranes (1)			
– Dry dock			
• Main hoist	2.50	2.50	2.50
• Auxiliary hoist	2.50	2.50	3.00
• Boom hoist	2.50	2.50	3.00
• Slewing drive	2.50	2.50	3.00
• Traction drive	3.00	3.00	3.00
– Container			
• Main hoist	3.00	3.00	3.00
• Boom hoist	2.00	2.00	2.00
• Trolley drive, Gantry drive	3.00	3.00	3.00
• Trolley drive, Traction drive	2.00	2.00	2.00
– Mill duty			
• Main hoist	3.50	3.50	3.50
• Auxiliary	3.50	3.50	3.50
• Bridge	2.50	3.00	3.00
• Tolley travel	2.50	3.00	3.00
– Industrial duty			
• Main	2.50	2.50	3.00
• Auxiliary	2.50	2.50	3.00
• Bridge	2.50	3.00	3.00
• Trolley travel	2.50	3.00	3.00

Shaft Mount Reducers Application	Total Operation		
	< 3 Hrs. Per Day	3-10 Hrs. Per Day	> 10 Hrs. Per Day
Crushers			
– Stone or ore	III	III	III
Dredges			
– Cable reels	II	II	II
– Conveyors	II	II	II
– Cutter head drives	III	III	III
– Pumps	III	III	III
– Screen drives	III	III	III
– Stackers	II	II	II
– Winches	II	II	II
Elevators			
– Bucket	I	II	II
– Centrifugal discharge	I	I	II
– Escalators	I	I	II
– Freight	I	II	II
– Gravity discharge	I	I	II
Extruders			
– General	II	II	II
– Plastics			
• Variable speed drive	III	III	III
• Fixed speed drive	III	III	III
– Rubber			
• Continuous screw operation	III	III	III
• Intermittent screw operation	III	III	III
Fans			
– Centrifugal	I	I	II
– Cooling towers	III	III	III
– Forced draft	II	II	II
– Induced draft	II	II	II
– Industrial and mine	II	II	II
Feeders			
– Apron	I	II	II
– Belt	I	II	II
– Disc	I	I	II
– Reciprocating	II	III	III
– Screw	I	II	II
Food industry			
– Cereal cooker	I	I	II
– Dough mixer	II	II	II
– Meat grinders	II	II	II
– Slicers	I	II	II
Generators and exciters	II	II	II
Hammer mills	III	III	III
Hoists			
– Heavy duty	III	III	III
– Medium duty	II	II	II
– Skip hoist	II	II	II
Laundry			
– Tumblers	II	II	II
– Washers	II	II	III

Continued On Next Page

A.G.M.A Load Classification Table | Shaft Mount Reducers (Continued...)

Shaft Mount Reducers Application	Total Operation		
	< 3 Hrs. Per Day	3-10 Hrs. Per Day	> 10 Hrs. Per Day
Lumber industry			
– Barkers-spindle feed	II	II	II
• Main drive	III	III	III
– Conveyors-burner	II	II	II
• Main or heavy duty	II	II	II
• Main log	III	III	III
– Re-saw, merry-go-round Conveyors	II	II	II
• Slab	III	III	III
• Transfer	II	II	II
– Chains			
• Floor	II	II	II
• Green	II	II	III
– Cut-off saws			
• Chain	II	II	III
• Drag	II	II	III
– Debarking drums	III	III	III
– Feeds			
• Edger	II	II	II
• Gang	III	III	III
• Trimmer	II	II	II
– Log deck	III	III	III
– Log hauls-incline-well type	III	III	III
– Log turning devices	III	III	III
– Planer feed	II	II	II
– Planer tilting hoists	II	II	II
– Planer tilting hoists	II	II	II
– Rolls-live-off bearing-roll cases	III	III	III
– Sorting table	II	II	II
– Tipple hoist	II	II	II
– Transfers			
• Chain	II	II	III
• Craneway	II	II	III
– Tray drives	II	II	II
– Veneer lathe drives	II	II	II
Metal mills			
– Draw bench carriage and main drive Runout table	II	II	II
• Non-reversing, Group drives	II	II	II
• Non-reversing, Individual drives	III	III	III
• Reversing	III	III	III
– Slab pushers	II	II	II
– Shears	III	III	III
– Wire drawing	II	II	II
– Wire winding machine	II	II	II
Metal strip processing machinery	II	II	II
– Bridles	I	I	II
– Coilers and uncoilers	I	II	II
– Edge trimmers	II	II	II
– Flatteners	I	I	I
– Loopers (accumulators)	II	II	II
– Pinch rolls	II	II	II
– Scrap choppers	III	III	III
– Shears	I	II	II
– Slitters			
Mills, rotary type			
– Ball & rod			
• Spur ring gear	III	III	III
• Helical ring gear	II	II	II
• Direct connected	III	III	III
• Cement kilns	II	II	II
• Dryers & coolers	II	II	II

Shaft Mount Reducers Application	Total Operation		
	< 3 Hrs. Per Day	3-10 Hrs. Per Day	> 10 Hrs. Per Day
Mixers			
– Concrete	II	II	II
Paper mills			
– Agitator (mixer)	II	II	II
– Agitator for pure liquors	II	II	II
– Barking drums	III	III	III
– Barkers - mechanical	III	III	III
– Beater	II	II	II
– Breaker stack	II	II	II
– Calender (2)	II	II	II
– Chipper	III	III	III
– Chip feeder	II	II	II
– Coating rolls	II	II	II
– Conveyors			
• Chip, bark, chemical	II	II	II
• Log (including slab)	III	III	III
– Couch rolls	II	II	II
– Cutter	III	III	III
– Cylinder molds	II	II	II
– Dryers (2)			
• Paper machine	II	II	II
• Conveyor type	II	II	II
– Embosser	II	II	II
– Extruder	II	II	II
– Fourdrinier rolls	II	II	II
• (includes lump breaker, dandy roll, wire turning,and return rolls)			
– Jordan	II	II	II
• Kiln drive	II	II	II
• Mt. Hope roll	II	II	II
• Paper rolls	II	II	II
• Platter	II	II	II
• Presses - felt & suction	II	II	II
• Pulper	III	III	III
• Pumps - vacuum	II	II	II
• Reel (surface type)	II	II	II
– Screens			
• Chip	II	II	II
• Rotary	II	II	II
• Vibrating	III	III	III
– Size press	II	II	II
– Super calender (3)	II	II	II
– Thickener (AC motor)	II	II	II
• (DC motor)	II	II	II
– Washer (AC motor)	II	II	II
• (DC motor)	II	II	II
– Wind and unwind stand	I	I	I
– Winders (surface type)	II	II	II
– Yankee dryers (2)	II	II	II

Continued On Next Page

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A.G.M.A Load Classification Table | Shaft Mount Reducers (Continued...)

Shaft Mount Reducers Application	Total Operation		
	< 3 Hrs. Per Day	3-10 Hrs. Per Day	> 10 Hrs. Per Day
Plastic industry			
– Primary processing			
• Intensive internal mixers			
- Batch mixers	III	III	III
- Continuous mixers	II	II	II
• Batch drop mill - 2 smooth rolls	II	II	II
• Continuous feed, holding, blend mill	II	II	II
• Calenders	II	II	II
– Secondary processing	II	II	II
• Blow molders	II	II	II
• Coating	II	II	II
• Film	II	II	II
• Pipe	II	II	II
• Pre-plasticizers	II	II	II
• Rods	II	II	II
• Sheet			
• Tubing			
Pullers - barge haul	II	II	II
Pumps			
– Centrifugal	I	I	II
– Proportioning	II	II	II
– Reciprocating			
• Single acting, 3 or more cylinders	II	II	II
• Double acting, 2 or more cylinders	II	II	II
– Rotary	I	I	II
• Gear type	I	I	II
• Lobe	I	I	II
• Vane			
Rubber industry			
– Intensive internal mixers			
• Batch mixers	III	III	III
• Continuous mixers	II	II	II
– Mixing mill - 2 smooth rolls	II	II	II
– Mixing mill - 1 or 2 corrugated rolls	III	III	III
– Batch drop mill - 2 smooth rolls	II	II	II
– Cracker warmer - 2 rolls; 1 corrugated roll	III	III	III
– Cracker - 2 corrugated rolls	III	III	III
– Holding, feed & blend mill - 2 rolls	II	II	II
– Refiner - 2 rolls	II	II	II
– Calenders	II	II	II
Sand muller	II	II	II
Sewage disposal equipment			
– Bar screens	II	II	II
– Chemical feeders	II	II	II
– Dewatering screens	II	II	II
– Scum breakers	II	II	II
– Slow or rapid mixers	II	II	II
– Sludge collectors	II	II	II
– Thickeners	II	II	II
– Vacuum filters	II	II	II

Shaft Mount Reducers Application	Total Operation		
	< 3 Hrs. Per Day	3-10 Hrs. Per Day	> 10 Hrs. Per Day
Screens			
– Air washing	I	I	II
– Rotary - stone or gravel	II	II	II
– Traveling water intake	I	I	I
Screw conveyors			
– Uniformly loaded or fed	I	I	II
– Heavy duty	I	II	II
Sugar industry			
– Beet slicer	III	III	III
– Cane knives	II	II	II
– Crushers	II	II	II
– Mills (low speed end)	III	III	III
Textile industry			
– Batchers	II	II	II
– Calenders	II	II	II
– Cards	II	II	II
– Dry cans	II	II	II
– Dryers	II	II	II
– Dyeing machinery	II	II	II
– Looms	II	II	II
– Mangles	II	II	II
– Nappers	II	II	II
– Pads	II	II	II
– Slashers	II	II	II
– Soapers	II	II	II
– Spinners	II	II	II
– Tenter frames	II	II	II
– Washers	II	II	II
– Winders	II	II	II

(1) Crane drives are to be selected based on gear tooth bending strength, using the numeric service factors inthis table Service factor in durability shall be a minimum of 1.00.
(2) Anti-friction bearings only.
(3) A class number of I may be applied at base speed of a super calender operating over-speed range or part range constant horsepower, part range constant torque where the constant horsepower speed range is grater than 1.5 to 1. A class number of II is applicable to super calenders operating over the entire speed range at constant torque or where the constant horsepower speed range is less than 1.5 to 1. (1).



Application Formula

$$\textbf{HP=}\ \frac{T * RPM}{63{,}025 * Eff} \qquad \textbf{HP=}\ KW * 1.33$$

$$\textbf{HP=}\ \frac{W * FPM}{33{,}000 * Eff}\ \textit{(Hoist)}$$

$$\textbf{HP=}\ \frac{W * FPM * \mu}{33{,}000 * Eff}\ \textit{(Travel)}$$

$$\textbf{HP=}\ \frac{\sqrt{3} * V * I * PF\ * Eff}{746}$$

$$\textbf{T =}\ \frac{HP * 63{,}025 * Eff}{RPM}$$

$$\textbf{T =}\ F * R \qquad \textbf{T}_{\textbf{out}} \textbf{=}\ T_{in} * Rotation * Eff$$

μ = Friction coeff	V = Voltage
D = Diameter	w = Weight (lb)
Eff = Efficiency	il = 0.225 * NM
F = Force (lb)	lb-in = 8.85 * NM
I = Amps	lb-in = 86.8 * kgm
PF = Power factor	1 Inch = 25 mm
R = Radius (in)	Temp. (°C) = (°F -32) * 0.556
T = Torque (lb-in)	Temp. (°F) = (°C *1.8) +32

$$\textbf{OHL=}\ \frac{2 * T * K}{D}$$

OHL = Overhung Load (lb)

T = Shaft Torque

D = Pitch Diameter (in) Sprocket, Pulley

K = Overhung Load factor:

Gears < 13 teeth	1.30
Sprocket ≥13 teeth	1.40
Sprocket ≤13 teeth	1.25
Pulley & v-belt drive	1.75
Pulley & flat belt drive	2.50
Timing belts	2.00-2.50

$$\textbf{LRA =}\ \frac{HP * Start\ KVA/HP * 1000}{Volts * 1.732}$$

$$\textbf{FPM =}\ 0.262 * D * RPM$$

$$\textbf{kW =}\ HP * 0.746$$

Selection Criteria

Performance
- Define required torque, speed, and horsepower.
- Apply AGMA service factors for load and duty cycle.
- Adjust for shock, variable speeds, and continuous operation.
- Select gear type (helical, bevel, worm, planetary) for efficiency and torque.

Environment
- Account for temperature, dust, moisture, and chemicals.
- Choose proper sealing, coating, or washdown protection.
- Verify lubrication and materials suit the operating conditions.

Installation
- Match mounting style and shaft orientation to system layout.
- Ensure motor and equipment compatibility.
- Confirm space and access for service or replacement.

Durability
- Use components rated for stress, heat, and vibration.
- Consider metallurgy, heat treatment, and gear efficiency.
- Review maintenance and lubrication requirements.

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Terms & Conditions of Sale

1. **WARRANTY**
WORLDWIDE ELECTRIC CORPORATION ("SELLER") MAKES NO WARRANTY OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE IN RESPECT TO THE PRODUCT AND THERE IS NO WARRANTY EXPRESS OR IMPLIED EXCEPT THAT THE PRODUCT SHALL BE OF THE KIND AND QUALITY DESCRIBED IN THE SPECIFICATIONS.

2. **DELIVERY**
Unless otherwise stated, delivery will be made f.o.b. point of shipment. Shipping dates are approximate and are based on the prompt receipt of all necessary information from the purchaser.

3. **LOSS, DAMAGE OR DELAY**
Seller shall not be liable for loss, damage, detention, or delay resulting from causes beyond its reasonable control or from fire, strike or other concerted action of workmen, act or omission of any Governmental authority or of the Purchaser, insurrection or riot, embargo, car shortage, wreck or delay in transportation, or inability to obtain necessary labor, materials, or manufacturing facilities from usual sources. In the event of delay due to any such cause, the date of delivery will be postponed by such length of time as may be reasonably necessary to compensate for the delay.

4. **RISK OF LOSS**
Risk of loss of the product, or any part of the same, shall pass to the Purchaser upon delivery of such product or part.

5. **PAYMENTS**
If, in the judgment of Seller, the financial condition of the Purchaser at any time prior to shipment does not support the terms of payment specified, Seller may require full or partial payment in advance. Pro-rata payments shall become due as shipments are made. If shipments are delayed by the Purchaser, payments shall become due from date when Seller is prepared to make shipment. If manufacture is delayed by the Purchaser, payment shall be made based on the contract price and percent of completion. Products held for Purchaser shall be at the risk and expense of the Purchaser.

6. **PAYMENT BY CREDIT CARD**
If Seller accepts payment by credit card, Purchaser agrees to pay the issuer of the credit card the total amount shown on this invoice upon presentation of a bill, without offset or deduction. A non-refundable 2.5% surcharge will be applied to all credit card payments.

7. **PRICES**
Prices are those in effect at time of shipment. In the event of a published increase or reduction in prices by Seller, the new price will become effective immediately on the unshipped portion of the order, unless stated at the time of the change. In no case, however, will a reduction in price be retroactive to shipments made prior to the date of the price change. Purchaser's order will be entered promptly upon acceptance by Seller and will not thereafter be subject to Cancellation nor to Deferment of Deliveries without Seller's written consent, except upon terms which take into proper account the work already done and commitments made by Seller. Prices include the Seller's standard packing for domestic shipments.

8. **LIMITATION OF LIABILITY**
In no event shall Seller be liable for any special, indirect, incidental, consequential or punitive damages, including but not limited to damages for lost profits or business opportunities or damage to reputation. Seller's maximum liability for any breach of contract or sale, or any other claim related to the product sold hereunder, shall be limited to the price of the product, or portion thereof, on which such liability is based.

9. **GOVERNING LAW/JURISDICTION/VENUE**
This sale shall be governed by and construed in accordance with the laws of the State of New York, without regard to its conflicts of laws principles, and shall be deemed entered into at Seller's principal place of business in New York. By purchasing Seller's product, Purchaser expressly consents, for any litigation arising out of or related to the sale, to the exclusive jurisdiction and venue of the courts of competent jurisdiction located in Monroe County, New York (i.e., the U.S. District Court, Western District of New York, and the New York State Supreme Court, County of Monroe) and waives the right and hereby agrees not to assert, by way of motion, defense or otherwise in any proceeding brought in either of such courts, any claim that it is not subject to the personal jurisdiction of such court, that such proceeding is brought in an inconvenient forum, or that the venue of such proceeding is improper.

10. **TERMINATION**
Any order or contract may be terminated by the Purchaser only upon payment of reasonable charges based upon expenses already incurred and commitments made by Seller.

11. **RETURN OF GOODS**
No product or part shall be returned to the Seller without written authorization and shipping instructions first having been obtained from the Seller. Returns may be subject to freight charge and/or restocking charge, as circumstances dictate.

12. **REPAIR POLICY**
Positively no allowance will be made for repairs if made by others without Seller's written consent.

13. **NO ASSIGNMENT**
Purchaser's obligations are not transferable or assignable by operation of law, change of control or ownership, or otherwise, without prior written consent of Seller.

Visit worldwideelectric.com for an up-to-date list of Terms and Conditions.

Warranty Information

The warranty length for WorldWide Gear Reducers is as follows:

Original Shaft Mount Reducers / SMR Series..... Three (3) years from date of sale (invoice)
Eliminator Shaft Mount Reducers / SCSMR Series..... Two (2) years from date of sale (invoice)
Hydraulic Shaft Mount Reducers / HYSMR Series..... Two (2) years from date of sale (invoice)
Worm Gear Reducers / HdR, CALM, and SSHdR Series..... One (1) year from date of sale (invoice)
Inline Helical Gear Reducers / WINL Series..... Two (2) years from date of sale (invoice)
Helical-Bevel Gear Reducers / KAN & KHN Series..... Two (2) years from date of sale (invoice)

Warranty Policy

1. For the warranty to be effective, the product must be installed, used and maintained by the original purchaser in accordance with good industry standards. The warranty does not cover normal wear, tear and erosion from use, misuse, abuse or corrosion.
2. In the event of failure, it shall be the responsibility of the original purchaser to notify The Company either in writing or by telephone to make arrangements for the correction of the problem. The purchaser shall be responsible for transportation charges connected with the return, exchange or repair of parts. Returns found defective upon inspection by our warranty department or authorized warranty service agent will be replaced free of charge.
3. The Company shall not be liable for any labor cost connected with the replacement of the equipment, the replacement of the parts or adjustments to the equipment by the purchaser or their contractor without The Company's prior written approval.
4. The Company, as the exclusive remedy under this warranty, shall, at it's option, repair or replace defective items or, if agreed upon, refund the purchase price less reasonable allowance for depreciation in exchange for the product.
5. THE COMPANY MAKES NO OTHER WARRANTIES AND ALL IMPLIED OR EXPRESSED WARRANTIES AND REPRESENTATIONS, EXCEPT THAT OF TITLE, ARE DISCLAIMED. ALL IMPLIED WARRANTIES INCLUDING MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE OR USE BUT NOT LIMITED TO JUST THOSE THAT ARE DISCLAIMED. LIABILITY FOR CONSEQUENTIAL, INCIDENTAL OR SPECIAL DAMAGES AND LOSSES UNDER ANY AND ALL WARRANTIES WHETHER IN CONTACT, TORT OR OTHERWISE, ARE EXCLUDED TO THE EXTENT EXCLUSION IS PERMITTED BY LAW.
6. All qualified returns will be subject to a 20% restocking fee ($75 minimum).
7. All special order / special build products are non-cancellable and non-returnable.

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Return Policy

1. All WorldWide Electric products (electric motors, motor controls and gearing products) that are purchased as normal stock items may be returned, with freight to be paid, back to the closest WorldWide Electric warehouse by the customer.
2. Any returned products must be new, undamaged and in original cartons/packaging. Final credit will not be issued until WorldWide Electric has verified the products/shipping cartons as such.
3. All RGA requests must be made within 90 days of original purchase.
4. If the returned products were ordered incorrectly by the customer, 20% will be levied as a restocking charge which carries a minimum $75 charge.
5. If the customer places an order equal to or greater than the goods being returned, then the restocking charge will be 10% (minimum $75 charge).
6. If the product being returned was originally shipped to the customer prepaid and allowed, the original freight charge will be deducted from the return credit.
7. If the returned products are not in original condition (as well as the packaging), there will be additional fees applied to repair and/or replace those parts/products.

Freight Terms, Programs and Services

Freight Terms

Freight terms are as follows on all orders shipped from any of our warehouses. All products can be assorted from all four divisions; motors, controls, generators and gearing.

$5,000 + Truck ——— Prepaid and Allowed (Paid by WWE)
$2,501 – $4,999 + Truck ——— 10% of Invoice (Prepaid and Add)
$1,501 – $2,500 + Truck ——— $250 (Prepaid and Add)
$1 – $1,500 + Truck ——— $175 (Prepaid and Add)

FedEx / UPS may be utilized for shipments under 100 lbs. and billed on a prepaid and add basis (excluding cast iron motors and gear reducer products). Customers may always choose to have their shipment sent freight collect.

Special Freight Prepaid Programs

Wormgear Reducers ——— **25 + Pieces Assorted, Prepaid and Allowed**

Orders may be picked up from any of our warehouses as a will call. We would prefer a one-hour advance notification for orders to be picked up. However, allowances will be made for special rush and urgent situations. Freight terms are as follows on all orders shipped from any of our warehouses.

Additional Freight Services

Delivery Appointment ——— **$65.00**
Liftgate Delivery ——— **$200.00**
Residential Delivery ——— **$125.00**
Expedited Delivery ——— **Please Call for Quote**

Gear Reducers Stock Products Catalog | 2026

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Please Note. While most products are in stock in one of our distribution centers, certain conditions may lead to temporary stock shortages.