worldwideelectric.com
(800) 808-2131

WorldDrive N750E Variable Frequency Drive

- **Sensorless Vector, Constant Torque, and Variable Torque Control Technology— Powerful & Versatile**
- **WorldDrive Reliability— Durable & Easy to Maintain**
- **0.5 - 500 hp**



Product Features & Specifications

- Output frequency: 0.01 - 400 Hz
- Starting current CT: 60 sec. 150% overload
- Starting current VT: 60 sec. 120% overload
- Starting torque: 100% / 3 Hz (V/f) 200% / 1 Hz (SLV)
- Enclosure: IP20
- Permanent magnet (PM) sensorless control
- User display
- External brake control
- Changed parameter check
- Linear and s-curve functionality
- Independent torque boost for forward/reverse
- Temperature controlled fan and fan run-time Monitoring
- Analog output - 0~10 Vdc or 4~20 mA
- 24V Power terminal - 100mA max.
- Two (2) open-collector outputs
- Two (2) relay outputs
- Six (6) digital inputs
- Analog input - 0~10 Vdc or 4~20 mA
- Built-in EMC filter (7.5 hp – 30 hp)
- UL61800

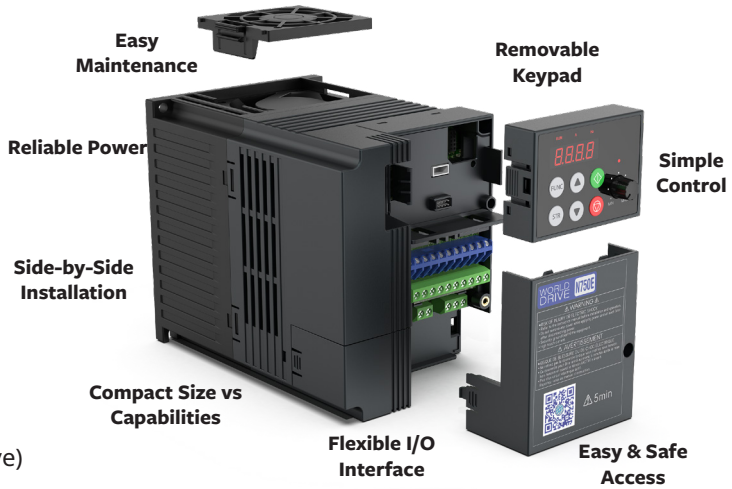
Communications

- Built in MODBUS
  - RJ45 (9600)
  - RXP-RXN (2400~38400)
- Options
  - EtherNet/IP
  - MODBUS TCP/IP
  - CC-Link
  - PROFIBUS-DP
  - DeviceNet
  - Rotary encoder input (15V open collector, 5V line drive)

Applications

The WDN750E VFDs offer a high degree of functionality for driving commercial and industrial equipment, either independently or tied to factory automation, such as:

- Pumps
- Fans
- Blowers
- Conveyors
- Production machines
- Rock crushers
- Mixers
- Grinders



WORLDWIDE ELECTRIC CORPORATION

Responsive
Service & Technical Support

In Stock Availability
Warehouses Nationwide

Quality Products
Competitive Pricing

Fast Shipping
Same-Day Available

MORE INFO

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Heavy-duty (CT) 150% Overload	Output Current	Normal-duty (VT) 120% Overload	Output Current	Model	Dimensions H x W x D (in)*	Weight (lbs)*
230 Volt, Single-Phase In / 230 Volt, Three-Phase Out						
0.5	3.2	-	-	WDN750E-004SF	5 x 2.7 x 6.3	1.8
1	5	-	-	WDN750E-007SF	5 x 2.7 x 6.3	1.8
2	8.5	-	-	WDN750E-015SF	5 x 4.3 x 6.6	2.2
3	12.5	-	-	WDN750E-022SF	5 x 4.3 x 6.6	2.2
230 Volt, Three-Phase In / 230 Volt, Three-Phase Out						
0.5	3.2	-	-	WDN750E-004LF	5 x 2.7 x 6.3	1.8
1	5	-	-	WDN750E-007LF	5 x 2.7 x 6.3	1.8
2	8.5	-	-	WDN750E-015LF	5 x 2.7 x 6.3	1.8
3	12.5	-	-	WDN750E-022LF	5 x 4.3 x 6.6	2.2
5	19.5	-	-	WDN750E-037LF	5 x 5.5 x 6.8	2.9
7.5	25	10	30	WDN750E-055LF	9.1 x 6.3 x 7.2	6.2
10	33	15	40	WDN750E-075LF	9.1 x 6.3 x 7.2	6.2
15	47	20	56	WDN750E-110LF	11 x 7.1 x 7.2	9.0
20	64	25	73	WDN750E-150LF	12.4 x 8.7 x 7.6	13.5
460 Volt, Three-Phase In / 460 Volt, Three-Phase Out						
0.5	1.8	--	--	WDN750E-004HF	5 x 4.3 x 6.6	2.2
1	3.4	--	--	WDN750E-007HF	5 x 4.3 x 6.6	2.2
2	4.8	--	--	WDN750E-015HF	5 x 4.3 x 6.6	2.2
3	7.2	--	--	WDN750E-022HF	5 x 4.3 x 6.6	2.2
5	10.5	--	--	WDN750E-037HF	5 x 5.5 x 6.8	2.9
7.5	14.8	10	17	WDN750E-055HF	9.1 x 6.3 x 7.2	6.2
10	18	15	23	WDN750E-075HF	9.1 x 6.3 x 7.2	6.2
15	24	20	31	WDN750E-110HF	11 x 7.1 x 7.2	9.0
20	32	25	38	WDN750E-150HF	11 x 7.1 x 7.2	9.0
25	39	30	44	WDN750E-185HF	12.4 x 8.7 x 7.6	13.5
30	45	40	58	WDN750E-220HF	12.4 x 8.7 x 7.6	13.5
40	61	50	71	WDN750E-300HF	21.2 x 12.3 x 10.9	49.4
50	75	60	86	WDN750E-370HF	21.2 x 12.3 x 10.9	49.4
60	91	75	102	WDN750E-450HF	21.8 x 13.5 x 11.3	62.6
75	110	100	135	WDN750E-550HF	21.8 x 13.5 x 11.3	62.6
100	149	125	160	WDN750E-750HF	27.6 x 15.6 x 11.3	89.3
125	176	150	194	WDN750E-900HF	27.6 x 15.6 x 11.3	89.3
150	217	200	231	WDN750E-1100HF	29.3 x 18.9 x 12.1	125.7
200	260	250	285	WDN750E-1320HF	29.3 x 18.9 x 12.1	125.7
250	300	275	324	WDN750E-1600HF	29.3 x 18.9 x 12.1	125.7
275	340	300	381	WDN750E-1850HF	36.4 x 20 x 15.7	236.0
300	415	350	450	WDN750E-2200HF	36.4 x 20 x 15.7	236.0
400	525	450	600	WDN750E-2800HF	40.5 x 31.8 x 16	364.0
500	656	550	680	WDN750E-3500HF	40.5 x 31.8 x 16	364.0

* Given weights and dimensions are approximate

