2026

WEG Standard Product Catalog

Variable Frequency Drives | Parts | Modifications

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US100 - 11.2025

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Medium Voltage Starters

CFW320 Series – Variable Frequency Drives

The CFW320 is a high-performance variable-speed drive for three-phase induction motors. It is ideal for machines or equipment applications requiring precise control with easy setup and operation.

The CFW320 features a compact size with contactor-style electrical connections (top in/bottom out (I/O)). The VFD's performance can be scaled to match the application by selecting Voltage Vector WEG (VVW) control or scalar control (V/f). The CFW320 includes a built-in operator interface (HMI) and SoftPLC with free WPS programming software for custom-tailored control schemes. A variety of plug-in option modules for additional I/O and communications protocols may be added to provide extended capabilities, making the CFW320 a flexible and cost-effective solution for your variable speed requirements.

Standard Features

- Listed under new UL61800-5-1
- Power Range:
  - Up to 2 HP at 3/230 VAC with 1/110-127 VAC input
  - Up to 3 HP at 3/230 VAC with 1/200-240 VAC input
  - Up to 5 HP at 3/230 VAC with 3/200-240 VAC input
  - Up to 10 HP at 3/460 VAC with 3/380-480 VAC input
- DIN rail or surface mounting with screws
- Control mode: Scalar (V/Hz) or Voltage Vector WEG (VVW)
- Switching frequency: 2.5 to 15 kHz
- Overload capacity: 150% for 60 seconds every 10 minutes or 200% for 3 seconds every 10 minutes
- Degree of protection: IP20
- 460 VAC Models available with and without dynamic braking chopper
- Conformal coated circuit board as per Class 3C2 in compliance with IEC 60721-3-3
- Built-in SoftPLC (PLC functionality)
- Built-in four digital inputs, one analog input, and one Form-C relay output
- Two independent slots: one for communication and another to expand drive I/O capability
- Wide variety of communication options

Applications

- Centrifugal pumps
- Fans / blowers
- Blenders / mixers
- Centrifuges
- Compressors
- Conveyors
- Roller tables
- Granulators
- Commercial dryers
- Rotary filters

CFW320 Catalog Number Sequence

CFW320	A	02P6	S	2	NB	20

Frame Size
A, B, C

O/P Current
01P6 = 1.6 Amps
02P6 = 2.6 Amps
04P2 = 4.2 Amps
05P6 = 5.6 Amps
06P0 = 6.0 Amps
07P3 = 7.3 Amps
08P3 = 8.3 Amps
10P0 = 10.0 Amps
11P0 = 11.0 Amps
14P0 = 14.0 Amps
15P2 = 15.2 Amps

Supply Phases
S = Single-phase
B = Single-phase or Three-phase
T = Three-phase

Supply Voltage
1 = 110-127 VAC
2 = 200-240 VAC
4 = 380-480 VAC

Options
NB = No Internal DB
DB = With Internal DB
20 = IP20 Encl. (standard)

Chart intended as reference only and not to create part numbers.

CFW320 – IP20

Motor Voltage	Motor HP [1]	Drive Amps [2]	Catalog Number	Braking Transistor	Frame Size	Dimensions (in) H x W x D	Approx. Weight (lbs)	List Price	Multiplier
230 VAC / Three-Phase [4]	**Input Power Supply: Single-Phase 110-127 VAC**								
	1/4 or 1/3	1.6	CFW320A01P6S1NB20	No	A	6.22 x 2.76 x 5.84	1.98	**$361**	V1M
	3/4	2.6	CFW320A02P6S1NB20	No	A	6.22 x 2.76 x 5.84	1.98	**$394**	V1M
	1	4.2	CFW320A04P2S1NB20	No	A	6.22 x 2.76 x 5.84	1.98	**$420**	V1M
	2	6.0	CFW320A06P0S1NB20	No	A	6.22 x 2.76 x 5.84	1.98	**$507**	V1M
	Input Power Supply: Single-Phase 200-240 VAC								
	1/4 or 1/3	1.6	CFW320A01P6S2NB20	No	A	6.22 x 2.76 x 5.84	1.98	**$323**	V1M
	3/4	2.6	CFW320A02P6S2NB20	No	A	6.22 x 2.76 x 5.84	1.98	**$348**	V1M
	1	4.2	CFW320A04P2S2NB20	No	A	6.22 x 2.76 x 5.84	1.98	**$371**	V1M
	2	6.0	CFW320A06P0S2NB20	No	A	6.22 x 2.76 x 5.84	1.98	**$461**	V1M
	2	7.3	CFW320A07P3S2NB20	No	A	6.22 x 2.76 x 5.84	1.98	**$543**	V1M
	3	10.0	CFW320B10P0B2DB20 [3]	Yes	B	8.08 x 2.76 x 6.24	2.95	**$648**	V1M
	Input Power Supply: Three-Phase 200-240 VAC								
	1/4 or 1/3	1.6	CFW320A01P6T2NB20	No	A	6.22 x 2.76 x 5.84	1.98	**$343**	V1M
	3/4	2.6	CFW320A02P6T2NB20	No	A	6.22 x 2.76 x 5.84	1.98	**$376**	V1M
	1	4.2	CFW320A04P2T2NB20	No	A	6.22 x 2.76 x 5.84	1.98	**$399**	V1M
	2	6.0	CFW320A06P0T2NB20	No	A	6.22 x 2.76 x 5.84	1.98	**$484**	V1M
	2	7.3	CFW320A07P3T2NB20	No	A	6.22 x 2.76 x 5.84	1.98	**$571**	V1M
	3	10.0	CFW320B10P0B2DB20 [3]	Yes	B	8.08 x 2.76 x 6.24	2.95	**$648**	V1M
	5	15.2	CFW320B15P2T2DB20	Yes	B	8.08 x 2.76 x 6.24	2.95	**$792**	V1M
460 VAC / Three-Phase [5]	**Input Power Supply: Three-Phase 460-480 VAC without Dynamic Braking Transistor**								
	1/2	1.1	CFW320A01P1T4NB20	No	A	6.22 x 2.76 x 5.84	1.98	**$466**	V1M
	1	1.8	CFW320A01P8T4NB20	No	A	6.22 x 2.76 x 5.84	1.98	**$474**	V1M
	1 1/2	2.6	CFW320A02P6T4NB20	No	A	6.22 x 2.76 x 5.84	1.98	**$483**	V1M
	2	3.5	CFW320A03P5T4NB20	No	A	6.22 x 2.76 x 5.84	1.98	**$519**	V1M
	3	4.8	CFW320A04P8T4NB20	No	A	6.22 x 2.76 x 5.84	1.98	**$639**	V1M
	3	5.6	CFW320B05P6T4NB20	No	B	8.08 x 2.76 x 6.24	2.95	**$786**	V1M
	5	7.6	CFW320B07P6T4NB20	No	B	8.08 x 2.76 x 6.24	2.95	**$809**	V1M
	5	8.3	CFW320C08P3T4NB20	No	C	8.43 x 3.5 x 6.45	3.30	**$886**	V1M
	7 1/2	11.0	CFW320C11P0T4NB20	No	C	8.43 x 3.5 x 6.45	3.30	**$919**	V1M
	10	14.0	CFW320C14P0T4NB20	No	C	8.43 x 3.5 x 6.45	3.30	**$1,137**	V1M
	Input Power Supply: Three-Phase 460-480 VAC with Dynamic Braking Transistor								
	1/2	1.1	CFW320B01P1T4DB20	Yes	B	8.08 x 2.76 x 6.24	2.95	**$488**	V1M
	1	1.8	CFW320B01P8T4DB20	Yes	B	8.08 x 2.76 x 6.24	2.95	**$498**	V1M
	1 1/2	2.6	CFW320B02P6T4DB20	Yes	B	8.08 x 2.76 x 6.24	2.95	**$512**	V1M
	2	3.5	CFW320B03P5T4DB20	Yes	B	8.08 x 2.76 x 6.24	2.95	**$566**	V1M
	3	4.8	CFW320B04P8T4DB20	Yes	B	8.08 x 2.76 x 6.24	2.95	**$714**	V1M
	3	5.6	CFW320B05P6T4DB20	Yes	B	8.08 x 2.76 x 6.24	2.95	**$833**	V1M
	5	7.6	CFW320B07P6T4DB20	Yes	B	8.08 x 2.76 x 6.24	2.95	**$854**	V1M
	5	8.3	CFW320C08P3T4DB20	Yes	C	8.43 x 3.5 x 6.45	3.30	**$935**	V1M
	7 1/2	11.0	CFW320C11P0T4DB20	Yes	C	8.43 x 3.5 x 6.45	3.30	**$966**	V1M
	10	14.0	CFW320C14P0T4DB20	Yes	C	8.43 x 3.5 x 6.45	3.30	**$1,196**	V1M

Notes:
1) "HP" rating based on WEG 4-Pole W22 motors' "average FLA values." Use as a guide only.
2) Motor FLA may vary with speed and manufacturer. ALWAYS compare motor FLA to drive output current.
3) "CFW320B10P0B2DB20" is capable of single-phase input without derating.
4) All the 230 VAC drives are rated for maximum ambient temperature of 50°C without derating.
5) All the 460 VAC drives are rated for maximum ambient temperature of 40°C without derating.

CFW320

Options & Accessories[1]

Type	Catalog Number	Slot	Three-Phase	Approx. Wt. (lbs)	List Price	Multiplier
Communication Module	CFW320-CRS485	1 (Upper)	RS-485 Module; 1 RS-485 Input (Modbus RTU / BACnet MS/TP), 1 Mini USB for Remote Keypad	0.2	**$85**	V1M
	CFW320-CRS232	1 (Upper)	RS-232 Communication Module (Modbus RTU); 1 RS232	0.2	**$85**	V1M
	CFW320-CCAN	1 (Upper)	CANopen/DeviceNet Comm. Module; 1 CAN/DeviceNet, External 24VDC Power	0.2	**$100**	V1M
	CFW320-CPDP	1 (Upper)	Profibus DP Communication Module; 1 Profibus DP 9-Pin Connector	0.2	**$294**	V1M
	CFW320-CUSB	1 (Upper)	USB Communication Module w/2-meter Cable; 1 Mini USB	0.2	**$98**	V1M
	CFW320-CETH	1 (Upper)	Dual Port Modbus TCP or Ethernet/IP Communication Module	0.2	**$287**	V1M
Remote Keypad	CFW320-KHMIR	1 (Upper)	Remote Keypad; Includes CFW320-CRS485 and 3-meter Cable	0.4	**$266**	V1M
I/O Expansion Modules[2]	CFW320-IOP	1 (Upper)	CFW320 Potentiometer Reference Module	0.2	**$90**	V1M
	CFW320-IOAR	2 (Lower)	I/O Expansion Module; 1 AI, 1 AO, 3 DOR, +10VDC	0.2	**$146**	V1M
	CFW320-IODR	2 (Lower)	I/O Expansion Module; 4 DI, 3 DOR	0.2	**$112**	V1M
	CFW320-IOAENC	2 (Lower)	I/O and Encoder Module; 1 AI, 2 AO, +10VDC, 1 Incremental Encoder Input +5VDC	0.2	**$149**	V1M
	CFW320-IOADR	2 (Lower)	I/O Expansion Module: 1 NTC, 3RO and 1 infrared input. Simple remote control with battery	0.2	**$215**	V1M
	CFW320-IOADR-D	2 (Lower)	I/O Expansion Module: 1 NTC, 3RO and 1 infrared input. Complete remote control with battery and DISPLAY	0.2	**$245**	V1M
	CFW320-IODF[3]	2 (Lower)	I/O Expansion Module: 3 Pulse/frequency Input and 3 Pulse/Frequency output (10 Hz to 3000 Hz)	0.2	**$120**	V1M
Flash Memory Module	MMF-uDrives	-	CFW100/3x0 Flash Memory Module	0.2	**$218**	GA (V1)
RFI Filter[4]	CFW320-KFA-S1-S2	-	RFI Filter accessory for CFW320 110V-240V frame size "A"	0.3	**$93**	V1M
	CFW320-KFB-S2	-	RFI Filter accessory for CFW320 200V-240V frame size "B"	0.3	**$109**	V1M
	CFW320-KFA-T2	-	RFI Filter accessory for CFW320 200V-240V frame size "A"	0.3	**$173**	V1M
	CFW320-KFB-T2	-	RFI Filter accessory for CFW320 200V-240V frame size "B"	0.3	**$213**	V1M
	CFW320-KFA-T4	-	RFI Filter accessory for CFW320 380V-480V frame size "A"	0.5	**$173**	V1M
	CFW320-KFB-T4	-	RFI Filter accessory for CFW320 380V-480V frame size "B"	0.5	**$213**	V1M
	CFW320-KFC-T4	-	RFI Filter accessory for CFW320 380V-480V frame size "C"	0.5	**$226**	V1M

Notes:
1) Up to Qty. (1) I/O Expansion Module plus Qty. (1) Communication Module can be added to the CFW320 VFD.
2) Option I/Os are in addition to the standard CFW320 I/O, which includes four (4) DI, 1 AI, 1 DOR.
3) The I/Os for "CFW320-IODF" module are only accessible through SoftPLC Application.
4) The RFI filters are not "UL" listed.

Please refer to back cover for description of "NOTES"

Option Card I/O Table [6]

CFW320 Communication / I/O Modules	Slots[5]	Inputs			Outputs			Potentiometer for Speed Reference	USB[4]	Infrared Sensors & NTC[3]	Encoder input[2]	Network Communication		
		Analog	Digital	Frequency	Analog	Relay Digital	Frequency					RS485	RS232	Others
CFW320-CRS485	Upper slot	-	-	-	-	-	-	-	-	-	-	1	-	-
CFW320-CRS232		-	-	-	-	-	-	-	-	-	-	-	1	-
CFW320-CCAN		-	-	-	-	-	-	-	-	-	-	-	-	CANopen or DeviceNet
CFW320-CPDP		-	-	-	-	-	-	-	-	-	-	-	-	Profibus-DP
CFW320-CUSB		-	-	-	-	-	-	-	1	-	-	-	-	-
CFW320-IOP		-	-	-	-	-	-	1	-	-	-	-	-	-
CFW320-CETH		-	-	-	-	-	-	-	-	-	-	-	-	Ethernet/IP or Modbus TCP
CFW320-IOAR	Lower slot	1	-	-	1	3	-	-	-	-	-		-	-
CFW320-IODR 1		-	4	-	-	3	-	-	-	-	-	-	-	-
CFW320-IOAENC		1	-	-	2	-	-	-	-	-	1	-	-	-
CFW320-IOADR		1	-	-	-	3	-	-	-	1	-	-	-	-
CFW320-IOADR-D		-	-	-	-	3	-	-	-	1	-	-	-	-
CFW320-IODF		-	-	3	-	-	3	-	-	-	-	-	-	-

Notes:
1) Configurable isolated digital inputs (NPN or PNP).
2) An incremental encoder (A/A and B/B) with a power supply of +5 V at 100 mA for the encoder and a maximum frequency of 400 kHz.
3) Remote control and battery included.
4) USB cable included.
5) It allows one plug-in module in the upper slot (network communication) and one plug-in module in the lower slot (input/output expansion).
6) The standard version of the CFW320 already has four (4) configurable PNP or NPN digital inputs, one analog input 0 to 10 VDC / 4 to 20 mA, and one relay output 0.5 A / 250 VAC.

Dimensions

CFW320 Frame Size (IP20)	H in (mm)	W in (mm)	D in (mm)	Weight Lb (kg)
A (w/o RFI)	6.22 (157.9)	2.76 (70.0)	5.84 (148.4)	1.98 (0.90)
A (w/ RFI)	7.72 (196.0)	2.76 (70.0)	7.48 (190.1)	2.86 (1.30)
B (w/o RFI)	8.08 (198.9)	2.76 (70.0)	6.24 (158.4)	2.95 (1.34)
B (w/ RFI)	9.33 (237.0)	2.76 (70.0)	7.88 (200.1)	3.96 (1.80)
C (w/o RFI)	8.43 (214.0)	3.50 (89.0)	6.45 (164.0)	3.30 (1.50)
C (w/ RFI)	9.93 (252.3)	3.50 (89.0)	8.17 (207.5)	4.31 (1.96)

Please refer to back cover for description of “NOTES”

For detailed specifications, data sheets, drawings and performance curves visit http://www.weg.net

CFW320

Options & Accessories[1]

Input AC Power Supply	Voltage	Single-phase	110-127 VAC (+10%, -15%)
		Single-phase or three-phase	200-240 VAC (+10%, -15%)
		Three-phase	380-480 VAC (+10%, -15%)
	Frequency	50/60 Hz (Range: 48… 62 Hz)	
	Phase unbalance	≤ 3% between line voltages	
	Overvoltages / transients	Category III (EN 61010 / IEC61800-5-1 / UL61800-5-1)	
	Typical efficiency	≥ 97%	
	Audible noise level	< 60 dB	
Ambient	Operating ambient temperature	200V Line: from 32°F to 122°F (0°C to 50°C) 400V Line: from 32°F to 104°F (0°C to 40°C) For temperatures higher than specified above, it is necessary to apply 2% of current derating for each °C (1.1% for each °F), limited to an increase of 10°C (18°F).	
	Humidity	5 to 95 % non-condensing	
	Altitude	1,000 m w/o Derating 1,000 m to 4,000 m, 1% current derating for each 100 m above 1,000 m	
		From 2,000 m to 4,000 m above sea level – maximum voltage derating (127 V / 240 V / 480 V, according to the model) of 1.1% for each 100 m above 2,000 m	
	Pollution degree	2° (according to EN 50178 and UL 508C), with non-conductive pollution. Condensation must not cause the conduction of the accumulated residues.	
	Conformal coating	3C2 (IEC 60721-3-3:2002)	
	Vibration	Level 3M4	
Motor Control	Type of control	V/f (Scalar)	
		V/f (Quadratic)	
		VVW: Voltage Vector WEG	
	Modulation	PWM SVM (Space Vector Modulation)	
	Output frequency	0 to 400 Hz, resolution 0.1 Hz	
Performance	Speed control	V/f Control: Speed regulation: 1% of the rated speed (with sleep compensation) Speed variation range: 1:20	
		VVW: Voltage Vector WEG Speed regulation: 1% of the rated speed Speed variation range: 1:30	
Inputs[1]	Analog	One (1) isolated input: 0 to 10 V or 0 to 20 mA or 4 to 20 mA Linearity error ≤ 0.25% Impedance: 100 kΩ for voltage input, 500 Ω for current input Programmable functions Voltage on the inputs: 30 VDC	
	Digital	Four (4) isolated inputs Programmable functions: - Active high (PNP): maximum low level of 10 VDC, minimum high level 20 VDC - Active low (NPN): maximum low level of 5 VDC, minimum high level of 10 VDC Maximum input voltage of 30 VDC Input current: 11 mA Maximum input current: 20 mA	
Outputs[1]	Relay	One (1) relays with NO/NC contact Maximum voltage: 250 VAC Maximum current: 0.5 A Programmable functions	
	Power supply	10 VDC power supply maximum capacity: 50 mA	
Safety	Protection	Overcurrent/phase-phase short circuit in the output Under/overvoltage at the power supply Motor overload Overtemperature in the power module (IGBTs) External fault/alarm Programming error	
Keypad (HMI)	Built-in	4 keys: run/stop, increment, decrement and setting LCD display indication accuracy: - Current: 10% of the rated current - Speed resolution: 0.1 Hz	
Communication	Communication networks or accessibility	Modbus TCP, RS485 (Modbus RTU / BACnet), RS232, CANopen, DeviceNet, Ethernet/IP, Profibus-DP or USB Port (with plug-in modules)	
Protection Rating	IP20	Frames A, B & C	

Notes:
1) Available as a drive built-in I/Os.

Please refer to back cover for description of "NOTES"

Technical Data

Safety Standards	UL61800-5-1: adjustable speed electrical power drive systems – Part 5-1: safety requirements – electrical, thermal and energy.	
	EN 61800-5-1: Safety requirements electrical, thermal and energy	
	EN 50178: Electronic equipment for use in power installations	
	EN 60204-1: Safety of machinery. Electrical equipment of machines. Part 1: general requirements Notes: the final assembler of the machine is responsible for installing a safety stop device and a supply disconnecting device	
	EN 60146 (IEC 146): Semiconductor converters	
	EN 61800-2: Adjustable speed electrical power drive systems – Part 2: General requirements – rating specifications for low voltage adjustable frequency AC power drive systems	
Electromagnetic Compatibility Standards (EMC)	EN 61800-3: Adjustable speed electrical power drive systems – Part 3: EMC product standard including specific test methods Maximum voltage: 30 VDC	
	CISPR 11: Industrial, scientific and medical (ISM) radio-frequency equipment – electromagnetic disturbance characteristics – limits and methods of measurement	
	EN 61000-4-2: Electromagnetic compatibility (EMC) – Part 4: Testing and measurement techniques – Sec. 2: Electrostatic discharge immunity test	
	EN 61000-4-3: Electromagnetic compatibility (EMC) – Part 4: Testing and measurement techniques – Sec. 3: Radiated, radio-frequency, electromagnetic field immunity test	
	EN 61000-4-4: Electromagnetic compatibility (EMC) – Part 4: Testing and measurement techniques – Sec. 4: Electrical fast transient/burst immunity test	
	EN 61000-4-5: Electromagnetic compatibility (EMC) – Part 4: Testing and measurement techniques – Sec. 5: Surge immunity test	
	EN 61000-4-6: Electromagnetic compatibility (EMC) – Part 4: Testing and measurement techniques – Sec. 6: Immunity to conducted disturbances, induced by radio-frequency fields	
Mechanical Standards	EN 60529: Degrees of protection provided by enclosures (IP code)	
	UL 50: Enclosures for electrical equipment	
	IEC 60721-3-3: Classification of environmental conditions – Part 3: Classification of groups of environmental parameters and their severities – Sec. 3: Stationary use at weather protected locations level	
Ecodesign Standards	IEC 61800-9-2 Parts 1 & 2: “Adjustable speed electrical power drive systems – Ecodesign for power drive systems, motor starters, power electronics and their driven applications”	
Functional Safety Standards	EN 61800-5-2: Adjustable speed electrical power drive systems – Part 5-2: Safety requirements – Functional	
	EN ISO 13849-1: Safety of machinery – Safety-related parts of control systems – Part 1: General principles for design	
	EN 62061: Safety of machinery – Functional safety of safety-related control systems	
	IEC 61508 Parts 1-7: Functional safety of electrical/electronic/programmable electronic safety-related systems	
	EN 60204-1: Safety of machinery – Electrical equipment of machines – Part 1: General requirements	
Certifications	cULus	Certificate number: UL-US-2214688-0; Report Reference: E184430-20220408
	CE	European Community
	UKCA	United Kingdom
	EAC	Russia
	C-Tick	Australia & New Zealand

CFW320

Dynamic Braking Resistors

100% Braking Torque at 20% Duty Cycle (12 Seconds Maximum Braking Time) – NEMA 1 Enclosure

Motor Voltage	Motor HP	CFW320 Catalog Number	Braking Resistor Catalog Number	Rated Ohms	Rated Watts	Dimensions (in) H x W x D [1]	List Price	Multiplier New (old)
3/230 VAC	3	CFW320B10P0B2DB20	CFDB2-63-448	63	500	5 x 12 x 7	$825	GA (V1)
	5	CFW320B15P2T2DB20	CFDB2-63-448	63	500	5 x 12 x 7	$825	GA (V1)
3/460 VAC	1/2	CFW320B01P1T4DB20	CFDB2-250-448	250	512	5 x 12 x 7	$825	GA (V1)
	1	CFW320B01P8T4DB20	CFDB2-250-448	250	512	5 x 12 x 7	$825	GA (V1)
	1 1/2	CFW320B02P6T4DB20	CFDB2-250-448	250	512	5 x 12 x 7	$825	GA (V1)
	2	CFW320B03P5T4DB20	CFDB2-250-448	250	512	5 x 12 x 7	$825	GA (V1)
	3	CFW320B04P8T4DB20	CFDB2-100-1119	100	1280	5 x 12 x 13	$1,225	GA (V1)
	3	CFW320B05P6T4DB20	CFDB2-100-1119	100	1280	5 x 12 x 13	$1,225	GA (V1)
	5	CFW320B07P6T4DB20	CFDB2-100-1119	100	1280	5 x 12 x 13	$1,225	GA (V1)
	5	CFW320C08P3T4DB20	CFDB2-50-2238	50	2560	5 x 19 x 13	$1,965	GA (V1)
	7 1/2	CFW320C11P0T4DB20	CFDB2-50-2238	50	2560	5 x 19 x 13	$1,965	GA (V1)
	10	CFW320C14P0T4DB20	CFDB2-50-2238	50	2560	5 x 19 x 13	$1,965	GA (V1)

Notes:
1) Dimensions are provided for estimating purposes only.

Please refer to back cover for description of "NOTES"

For detailed specifications, data sheets, drawings and performance curves visit http:// www.weg.net

Data subject to change without notice.

CFW500-G2 Series – Variable Speed Drive

The CFW500 has advanced technology plug-and-play options developed for fast commissioning, providing great flexibility and competitive advantage while offering excellent performance and reliability. Designed for exclusively industrial or professional use, perfect for OEM, system integrators, panel installers, and End Users, providing great benefit from the added value. The second-generation (G2) CFW500 drives now offer more features in the same footprint as first-generation (G1) drives. The power range of the CFW500-IP20-G2 drive is now extended to 75 HP at 230 VAC and 175 HP at 460 VAC. The CFW500-G2 drive is also available in the IP66/NEMA 4X Washdown enclosure, which is rated for indoor and outdoor installation in direct sunlight.

For Indoor Use

For Indoor / Outdoor Use

Standard Features

- Same programming as other WEG VFDs including CFW500 G1 drives
- Built-in SoftPLC
- Control Mode: Scalar, VVW (Voltage Vector WEG), Vector Control (sensorless and closed loop with encoder feedback), VVW PM (suitable for fan, pump, and compressor).
- IP20 and NEMA 1 (with NEMA 1 kit) Enclosure
- NEMA 4X (IP66) Washdown Enclosure with and without disconnect switch, suitable for indoor and outdoor use (in direct sunlight)
- 200-240V, 380-480V or 500-600 input voltage
- Heavy duty rated – 150% current overload capacity
- 0 to 500 Hz output frequency
- 2.5 to 15 kHz adjustable switching frequency (5 kHz standard)
- Built-in 24 VDC Power supply (maximum 150 mA)
- Built-in RS-485 (Modbus RTU/BACnet) communication
- Four isolated programmable digital inputs
- One programmable relay output (1NO, 1NC, 240 VAC 0.5A)
- One programmable transistor output
- One isolated programmable analog input (0 to 10V, 0/4 to 20 mA)
- One isolated programmable analog output (0-10V, 0/4-20 mA)
- Optional safe torque off module
- Pump Genius – Simplex, Multiplex (up to three pumps in parallel) like CFW11 Pump Genius
- WLP and WPS compatible

Applications

- Pumps
- Fans/ventilators
- Blowers
- Conveyors
- Rollout tables
- Mixers/blenders
- Commercial dryers
- Extruders
- General machinery
- Agitators
- Any washdown (for NEMA 4X/IP66)

CFW500-G2 Catalog Number Sequence

CFW500	A	01P6	T	4	NB	20	G2	
CFW500	A	02P6	B	2	DB	66	DS	G2

Frame Size
A, B, C, D, E, F, G

O/P Current
01P6 = 1.6 Amps
02P6 = 2.6 Amps
06P5 = 6.5 Amps
07P3 = 7.3 Amps
10P0 = 10.0 Amps
16P0 = 16 Amps
24P0 = 24 Amps
49P0 = 49 Amps
56P0 = 56 Amps
88P0 = 88 Amps
0105 = 105 Amps
0142 = 142 Amps
0180 = 180 Amps
0211 = 211 Amps

Supply Phases
S = Single-phase
B = Single-phase or Three-phase
T = Three-phase

Supply Voltage
2 = 200-240 VAC
4 = 380-480 VAC
5 = 500-600 VAC

Options
NB = No Internal DB
DB = With Internal DB

20 = IP20 Encl.
66 = NEMA 4X/IP66

DS = With Disconnect Switch
G2 = Generation 2

Chart intended as reference only and not to create part numbers.

CFW500 – IP20 – G2 (GENERATION 2)

IP20 Finger Safe Enclosure

Motor Voltage	ND / VT[1]		HD / CT[1]		Catalog Number	Braking Transistor	Frame Size[4]	Dimensions (in) H x W x D	Approx. Weight (lbs)	List Price	Multiplier New (old)
	Motor HP[2]	Drive Amps[3]	Motor HP[2]	Drive Amps[3]							
230 VAC / Three-Phase	**Input Power Supply: Single-Phase 200-240 VAC**										
	1/3	1.6	1/3	1.6	CFW500A01P6S2NB20G2	No	A	7.5 x 3.0 x 5.9	1.8	**$451**	V1G (V1)
	3/4	2.6	3/4	2.6	CFW500A02P6S2NB20G2	No	A	7.5 x 3.0 x 5.9	1.8	**$463**	V1G (V1)
	1 1/2	4.3	1 1/2	4.3	CFW500A04P3S2NB20G2	No	A	7.5 x 3.0 x 5.9	1.8	**$499**	V1G (V1)
	2	7.3	2	7.3	CFW500A07P0S2NB20G2	No	A	7.5 x 3.0 x 5.9	1.8	**$633**	V1G (V1)
	Input Power Supply: Single-Phase or Three-Phase 200-240 VAC										
	1/3	1.6	1/3	1.6	CFW500A01P6B2NB20G2	No	A	7.5 x 3.0 x 5.9	1.8	**$456**	V1G (V1)
	3/4	2.6	3/4	2.6	CFW500A02P6B2NB20G2	No	A	7.5 x 3.0 x 5.9	1.8	**$467**	V1G (V1)
	1 1/2	4.3	1 1/2	4.3	CFW500A04P3B2NB20G2	No	A	7.5 x 3.0 x 5.9	1.8	**$506**	V1G (V1)
	2	7.3	2	7.3	CFW500B07P3B2DB20G2	Yes	B	7.9 x 4.0 x 6.3	2.6	**$678**	V1G (V1)
	3	10.0	3	10.0	CFW500B10P0B2DB20G2	Yes	B	7.9 x 4.0 x 6.3	2.6	**$789**	V1G (V1)
	Input Power Supply: Three-Phase 200-240 VAC										
	2	7.0	2	7.0	CFW500A07P0T2NB20G2	No	A	7.5 x 3.0 x 5.9	1.8	**$628**	V1G (V1)
	3	9.6	3	9.6	CFW500A09P6T2NB20G2	No	A	7.5 x 3.0 x 5.9	1.8	**$773**	V1G (V1)
	5	16	5	16	CFW500B16P0T2DB20G2	Yes	B	7.9 x 4.0 x 6.3	2.6	**$842**	V1G (V1)
	7 1/2	24	7 1/2	24	CFW500C24P0T2DB20G2	Yes	C	8.3 x 5.3 x 6.5	4.4	**$1,427**	V1G (V1)
	10	28	10	28	CFW500D28P0T2DB20G2	Yes	D	12.1 x 7.1 x 6.6	9.5	**$1,777**	V1G (V1)
	10	33	10	33	CFW500D33P0T2DB20G2	Yes	D	12.1 x 7.1 x 6.6	9.5	**$2,146**	V1G (V1)
	15	47	15	47	CFW500D47P0T2DB20G2	Yes	D	12.1 x 7.1 x 6.6	9.5	**$2,910**	V1G (V1)
	25[5]	70[5]	20	56	CFW500E56P0T2DB20G2[5]	Yes	E	13.8 x 8.7 x 7.6	22.1	**$3,380**	V1G (V1)
	25	77	20	64	CFW500F77P0T2DB20G2	Yes	F	21.6 x 11.8 x 10	57.3	**$4,150**	V1G (V1)
	30	88	25	75	CFW500F88P0T2DB20G2	Yes	F	21.6 x 11.8 x 10	57.3	**$5,200**	V1G (V1)
	40	105	30	88	CFW500F0105T2DB20G2	Yes	F	21.6 x 11.8 x 10	57.3	**$7,050**	V1G (V1)
	50	145	40	115	CFW500G0145T2NB20G2	No	G	26.6 x 13.2 x 12.4	114.6	**$8,500**	V1G (V1)
	60	180	50	145	CFW500G0180T2NB20G2	No	G	26.6 x 13.2 x 12.4	114.6	**$10,250**	V1G (V1)
	75	211	60	180	CFW500G0211T2NB20G2	No	G	26.6 x 13.2 x 12.4	114.6	**$13,500**	V1G (V1)
	50	145	40	115	CFW500G0145T2DB20G2	Yes	G	26.6 x 13.2 x 12.4	114.6	**$9,095**	V1G (V1)
	60	180	50	145	C FW500G0180T2DB20G2	Yes	G	26.6 x 13.2 x 12.4	114.6	**$10,965**	V1G (V1)
	75	211	60	180	CFW500G0211T2DB20G2	Yes	G	26.6 x 13.2 x 12.4	114.6	**$14,445**	V1G (V1)

Notes:
1) ND (normal duty) / VT (variable torque): 110% overload / 60 seconds; HD (heavy duty) / CT (constant torque): 150% overload / 60 seconds.
2) "HP" rating based on WEG W22 motors "average FLA values". Use as a guide only.
3) Motor FLA may vary with speed and manufacturer. ALWAYS compare motor FLA to nominal amps of drive.
4) Frame size A to D are rated for 50°C.
5) Frame size E needs to have firmware version 3.7x or higher to be used as ND. Frame size E is rated for 40°C if used as ND/VT and 50°C if used as HD/CT. Frame size F is rated for 40°C. Frame size G is rated for 45°C. CFW500 Frame size F and G VFDs have built in Dual DC Bus Chokes.

CFW500

CFW500 – IP20 – G2 (GENERATION 2)

IP20 Finger Safe Enclosure

Motor Voltage	ND / VT[1]		HD / CT[1]		Catalog Number	Braking Transistor	Frame Size[4]	Dimensions (in) H x W x D	Approx. Weight (lbs)	List Price	Multiplier New (old)
	Motor HP[2]	Drive Amps[3]	Motor HP[2]	Drive Amps[3]							
460 VAC / Three-Phase	Input Power Supply: Three-Phase 380-480 VAC										
	1/2	1.0	1/2	1.0	CFW500A01P0T4NB20G2	No	A	7.5 x 3.0 x 5.9	1.8	$582	V1G (V1)
	1	1.6	1	1.6	CFW500A01P6T4NB20G2	No	A	7.5 x 3.0 x 5.9	1.8	$604	V1G (V1)
	1 1/2	2.6	1 1/2	2.6	CFW500A02P6T4NB20G2	No	A	7.5 x 3.0 x 5.9	1.8	$649	V1G (V1)
	3	4.3	3	4.3	CFW500A04P3T4NB20G2	No	A	7.5 x 3.0 x 5.9	1.8	$799	V1G (V1)
	3	6.1	3	6.1	CFW500A06P1T4NB20G2	No	A	7.5 x 3.0 x 5.9	1.8	$982	V1G (V1)
	1 1/2	2.6	1 1/2	2.6	CFW500B02P6T4DB20G2	Yes	B	7.9 x 4.0 x 6.3	2.6	$708	V1G (V1)
	3	4.3	3	4.3	CFW500B04P3T4DB20G2	Yes	B	7.9 x 4.0 x 6.3	2.6	$892	V1G (V1)
	5	6.5	5	6.5	CFW500B06P5T4DB20G2	Yes	B	7.9 x 4.0 x 6.3	2.6	$1,067	V1G (V1)
	7 1/2	10	7 1/2	10	CFW500B10P0T4DB20G2	Yes	B	7.9 x 4.0 x 6.3	2.6	$1,207	V1G (V1)
	10	14	10	14	CFW500C14P0T4DB20G2	Yes	C	8.3 x 5.3 x 6.5	4.4	$1,495	V1G (V1)
	10	16	10	16	CFW500C16P0T4DB20G2	Yes	C	8.3 x 5.3 x 6.5	4.4	$1,684	V1G (V1)
	15	24	15	24	CFW500D24P0T4DB20G2	Yes	D	12.1 x 7.1 x 6.6	9.5	$2,229	V1G (V1)
	20/25	31	20/25	31	CFW500D31P0T4DB20G2	Yes	D	12.1 x 7.1 x 6.6	9.5	$2,783	V1G (V1)
	30[5]	45[5]	30	39	CFW500E39P0T4DB20G2[5]	Yes	E	13.8 x 8.7 x 7.6	22.1	$3,346	V1G (V1)
	40[5]	58.5[5]	40	49	CFW500E49P0T4DB20G2[5]	Yes	E	13.8 x 8.7 x 7.6	22.1	$4,214	V1G (V1)
	50/60	77	50	61	CFW500F77P0T4DB20G2	Yes	F	21.6 x 11.8 x 10	57.3	$5,700	V1G (V1)
	75	88	60	73	CFW500F88P0T4DB20G2	Yes	F	21.6 x 11.8 x 10	57.3	$7,300	V1G (V1)
	75	105	75	88	CFW500F0105T4DB20G2	Yes	F	21.6 x 11.8 x 10	57.3	$8,900	V1G (V1)
	100/125	142	100	115	CFW500G0142T4NB20G2	No	G	26.6 x 13.2 x 12.4	114.6	$10,200	V1G (V1)
	150	180	125	142	CFW500G0180T4NB20G2	No	G	26.6 x 13.2 x 12.4	114.6	$12,500	V1G (V1)
	175	211	150	180	CFW500G0211T4NB20G2	No	G	26.6 x 13.2 x 12.4	114.6	$14,500	V1G (V1)
	100/125	142	100	115	CFW500G0142T4DB20G2	Yes	G	26.6 x 13.2 x 12.4	114.6	$10,915	V1G (V1)
	150	180	125	142	CFW500G0180T4DB20G2	Yes	G	26.6 x 13.2 x 12.4	114.6	$13,375	V1G (V1)
	175	211	150	180	CFW500G0211T4DB20G2	Yes	G	26.6 x 13.2 x 12.4	114.6	$15,515	V1G (V1)
575 VAC / Phase[6]	Input Power Supply: Three-Phase 500-600 VAC										
	1 1/2	1.7	1 1/2	1.7	CFW500C01P7T5DB20	Yes	C	8.3 x 5.3 x 6.5	4.4	$910	V1G (V1)
	3	3.0	3	3.0	CFW500C03P0T5DB20	Yes	C	8.3 x 5.3 x 6.5	4.4	$954	V1G (V1)
	3	4.3	3	4.3	CFW500C04P3T5DB20	Yes	C	8.3 x 5.3 x 6.5	4.4	$1,073	V1G (V1)
	7 1/2	7.0	7 1/2	7.0	CFW500C07P0T5DB20	Yes	C	8.3 x 5.3 x 6.5	4.4	$1,276	V1G (V1)
	10	10.0	10	10.0	CFW500C10P0T5DB20	Yes	C	8.3 x 5.3 x 6.5	4.4	$1,621	V1G (V1)
	10	12.0	10	12.0	CFW500C12P0T5DB20	Yes	C	8.3 x 5.3 x 6.5	4.4	$1,813	V1G (V1)

Notes:
1) ND (normal duty) / VT (variable torque): 110% overload / 60 seconds; HD (heavy duty) / CT (constant torque): 150% overload / 60 seconds.
2) "HP" rating based on WEG W22 motors "average FLA values". Use as a guide only.
3) Motor FLA may vary with speed and manufacturer. ALWAYS compare motor FLA to nominal amps of drive.
4) Frame size A to D are rated for 50°C.
5) Frame size E needs to have firmware version 3.7x or higher to be used as ND. Frame size E is rated for 40°C if used as ND/VT and 50°C if used as HD/CT. Frame size F is rated for 40°C. Frame size G is rated for 45°C. CFW500 Frame size F and G VFDs have built in Dual DC Bus Chokes.
6) All 575V drives are non-stocked items and are still Generation-1 drives, consult WEG for availability.

Please refer to back cover for description of "NOTES"

CFW500 – N4X/IP66 Washdown VFD W/O Disconnect Switch

Motor Voltage	ND/VT[1]		HD/CT[1]		Catalog Number	Braking Transistor	Frame Size[4]	Dimensions (in) H x W x D	Approx. Weight (lbs)	List Price	Multiplier New (old)
	Motor HP[2]	Drive Amps[3]	Motor HP[2]	Drive Amps[3]							
230 VAC / Three-Phase	**Input Power Supply: Single or Three-Phase 200-240 VAC**										
	1/3	1.6	1/3	1.6	CFW500A01P6B2DB66G2	Yes	A	10.4 x 6.5 x 8.9	22.0	**$775**	V1W (V1)
	3/4	2.6	3/4	2.6	CFW500A02P6B2DB66G2	Yes	A	10.4 x 6.5 x 8.9	22.0	**$800**	V1W (V1)
	1 1/2	4.3	1 1/2	4.3	CFW500A04P3B2DB66G2	Yes	A	10.4 x 6.5 x 8.9	22.0	**$850**	V1W (V1)
	2	7.3	2	7.3	CFW500A07P3B2DB66G2	Yes	A	10.4 x 6.5 x 8.9	22.0	**$1,015**	V1W (V1)
	3	10	3	10	CFW500A10P0B2DB66G2	Yes	A	10.4 x 6.5 x 8.9	22.0	**$1,095**	V1W (V1)
	Input Power Supply: Three-Phase 200-240 VAC										
	5	16	5	16	CFW500A16P0T2DB66G2	Yes	A	10.4 x 6.5 x 8.9	22.0	**$1,350**	V1W (V1)
	7 1/2	24	7 1/2	24	CFW500B24P0T2DB66G2	Yes	B	13.4 x 8.5 x 8.9	26.5	**$1,950**	V1W (V1)
	10	28	10	28	CFW500B28P0T2DB66G2	Yes	B	13.4 x 8.5 x 8.9	26.5	**$2,275**	V1W (V1)
	10	33	10	33	CFW500B33P0T2DB66G2	Yes	B	13.4 x 8.5 x 8.9	26.5	**$2,675**	V1W (V1)
	15	47	15	47	CFW500C47P0T2DB66G2	Yes	C	18.7 x 12.6 x 11.4	45.0	**$3,750**	V1W (V1)
	25	70	20	56	CFW500C56P0T2DB66G2	Yes	C	18.7 x 12.6 x 11.4	45.0	**$4,400**	V1W (V1)
460 VAC / Three-Phase	**Input Power Supply: Three-Phase 380-480 VAC**										
	1/2	1	1/2	1	CFW500A01P0T4DB66G2	Yes	A	10.4 x 6.5 x 8.9	22.0	**$950**	V1W (V1)
	1	1.6	1	1.6	CFW500A01P6T4DB66G2	Yes	A	10.4 x 6.5 x 8.9	22.0	**$975**	V1W (V1)
	1 1/2	2.6	1 1/2	2.6	CFW500A02P6T4DB66G2	Yes	A	10.4 x 6.5 x 8.9	22.0	**$990**	V1W (V1)
	3	4.3	3	4.3	CFW500A04P3T4DB66G2	Yes	A	10.4 x 6.5 x 8.9	22.0	**$1,175**	V1W (V1)
	5	6.5	5	6.5	CFW500A06P5T4DB66G2	Yes	A	10.4 x 6.5 x 8.9	22.0	**$1,400**	V1W (V1)
	7 1/2	10	7 1/2	10	CFW500A10P0T4DB66G2	Yes	A	10.4 x 6.5 x 8.9	22.0	**$1,650**	V1W (V1)
	10	14	10	14	CFW500B14P0T4DB66G2	Yes	B	13.4 x 8.5 x 8.9	26.5	**$2,050**	V1W (V1)
	10	16	10	16	CFW500B16P0T4DB66G2	Yes	B	13.4 x 8.5 x 8.9	26.5	**$2,275**	V1W (V1)
	15	24	15	24	CFW500B24P0T4DB66G2	Yes	B	13.4 x 8.5 x 8.9	26.5	**$3,025**	V1W (V1)
	25	31	25	31	CFW500B31P0T4DB66G2	Yes	B	13.4 x 8.5 x 8.9	26.5	**$3,650**	V1W (V1)
	30	45	30	39	CFW500C39P0T4DB66G2	Yes	C	18.7 x 12.6 x 11.4	45.0	**$4,795**	V1W (V1)
	50	59.2	40	49	CFW500C49P0T4DB66G2	Yes	C	18.7 x 12.6 x 11.4	45.0	**$6,100**	V1W (V1)
575 VAC / Three-Phase[5]	**Input Power Supply: Three-Phase 500-600 VAC**										
	1 1/2	1.7	1 1/2	1.7	CFW500B01P7T5DB66	Yes	B	13.4 x 8.5 x 8.9	26.5	**$1,590**	V1W (V1)
	3	3	3	3	CFW500B03P0T5DB66	Yes	B	13.4 x 8.5 x 8.9	26.5	**$1,670**	V1W (V1)
	3	4.3	3	4.3	CFW500B04P3T5DB66	Yes	B	13.4 x 8.5 x 8.9	26.5	**$1,890**	V1W (V1)
	7 1/2	7	7 1/2	7	CFW500B07P0T5DB66	Yes	B	13.4 x 8.5 x 8.9	26.5	**$2,115**	V1W (V1)
	10	10	10	10	CFW500B10P0T5DB66	Yes	B	13.4 x 8.5 x 8.9	26.5	**$2,330**	V1W (V1)
	10	12	10	12	CFW500B12P0T5DB66	Yes	B	13.4 x 8.5 x 8.9	26.5	**$2,615**	V1W (V1)

Notes:
1) ND (Normal Duty) / VT (Variable Torque): 110% Overload / 60 seconds; HD (Heavy Duty) / CT (Constant Torque): 150% Overload / 60 seconds.
2) "HP" rating based on WEG W22 motors "average FLA values". Use as a guide only.
3) Motor FLA may vary with speed and manufacturer. ALWAYS compare motor FLA to nominal amps of drive.
4) Frame size A, B and C are rated for 40°C ambient temperature.
5) All 575V drives are non-stocked items and are still Generation-1 drives, consult WEG for availability.

CFW500

CFW500 – N4X/IP66 Washdown VFD With Disconnect Switch

Motor Voltage	ND/VT[1] Motor HP[2]	ND/VT[1] Drive Amps[3]	HD/CT[1] Motor HP[2]	HD/CT[1] Drive Amps[3]	Catalog Number	Braking Transistor	Frame Size[4]	Dimensions (in) H x W x D	Approx. Weight (lbs)	List Price	Multiplier New (old)
230 VAC / Three-Phase	**Input Power Supply: Single or Three-Phase 200-240 VAC**										
	1/3	1.6	1/3	1.6	CFW500A01P6B2DB66DSG2	Yes	A	10.4 x 6.5 x 9.9	22.0	**$895**	V1W (V1)
	3/4	2.6	3/4	2.6	CFW500A02P6B2DB66DSG2	Yes	A	10.4 x 6.5 x 9.9	22.0	**$920**	V1W (V1)
	1 1/2	4.3	1 1/2	4.3	CFW500A04P3B2DB66DSG2	Yes	A	10.4 x 6.5 x 9.9	22.0	**$980**	V1W (V1)
	2	7.3	2	7.3	CFW500A07P3B2DB66DSG2	Yes	A	10.4 x 6.5 x 9.9	22.0	**$1,170**	V1W (V1)
	3	10	3	10	CFW500A10P0B2DB66DSG2	Yes	A	10.4 x 6.5 x 9.9	22.0	**$1,255**	V1W (V1)
	Input Power Supply: Three-Phase 200-240 VAC										
	5	16	5	16	CFW500A16P0T2DB66DSG2	Yes	A	10.4 x 6.5 x 9.9	22.0	**$1,555**	V1W (V1)
	7 1/2	24	7 1/2	24	CFW500B24P0T2DB66DSG2	Yes	B	13.4 x 8.5 x 9.9	26.5	**$2,245**	V1W (V1)
	10	28	10	28	CFW500B28P0T2DB66DSG2	Yes	B	13.4 x 8.5 x 9.9	26.5	**$2,620**	V1W (V1)
	10	33	10	33	CFW500B33P0T2DB66DSG2	Yes	B	13.4 x 8.5 x 9.9	26.5	**$3,080**	V1W (V1)
	15	47	15	47	CFW500C47P0T2DB66DSG2	Yes	C	18.7 x 12.6 x 12.4	45.0	**$4,313**	V1W (V1)
	25	70	20	56	CFW500C56P0T2DB66DSG2	Yes	C	18.7 x 12.6 x 12.4	45.0	**$5,060**	V1W (V1)
460 VAC / Three-Phase	**Input Power Supply: Three-Phase 380-480 VAC**										
	1/2	1	1/2	1	CFW500A01P0T4DB66DSG2	Yes	A	10.4 x 6.5 x 9.9	22.0	**$1,095**	V1W (V1)
	1	1.6	1	1.6	CFW500A01P6T4DB66DSG2	Yes	A	10.4 x 6.5 x 9.9	22.0	**$1,125**	V1W (V1)
	1 1/2	2.6	1 1/2	2.6	CFW500A02P6T4DB66DSG2	Yes	A	10.4 x 6.5 x 9.9	22.0	**$1,140**	V1W (V1)
	3	4.3	3	4.3	CFW500A04P3T4DB66DSG2	Yes	A	10.4 x 6.5 x 9.9	22.0	**$1,350**	V1W (V1)
	5	6.5	5	6.5	CFW500A06P5T4DB66DSG2	Yes	A	10.4 x 6.5 x 9.9	22.0	**$1,610**	V1W (V1)
	7 1/2	10	7 1/2	10	CFW500A10P0T4DB66DSG2	Yes	A	10.4 x 6.5 x 9.9	22.0	**$1,900**	V1W (V1)
	10	14	10	14	CFW500B14P0T4DB66DSG2	Yes	B	13.4 x 8.5 x 9.9	26.5	**$2,360**	V1W (V1)
	10	16	10	16	CFW500B16P0T4DB66DSG2	Yes	B	13.4 x 8.5 x 9.9	26.5	**$2,620**	V1W (V1)
	15	24	15	24	CFW500B24P0T4DB66DSG2	Yes	B	13.4 x 8.5 x 9.9	26.5	**$3,480**	V1W (V1)
	25	31	25	31	CFW500B31P0T4DB66DSG2	Yes	B	13.4 x 8.5 x 9.9	26.5	**$4,200**	V1W (V1)
	30	45	30	39	CFW500C39P0T4DB66DSG2	Yes	C	18.7 x 12.6 x 12.4	45.0	**$5,514**	V1W (V1)
	50	59.2	40	49	CFW500C49P0T4DB66DSG2	Yes	C	18.7 x 12.6 x 12.4	45.0	**$7,015**	V1W (V1)
575 VAC / Three-Phase[5]	**Input Power Supply: Three-Phase 500-600 VAC**										
	1 1/2	1.7	1 1/2	1.7	CFW500B01P7T5DB66DS	Yes	B	13.4 x 8.5 x 9.9	26.5	**$1,830**	V1W (V1)
	3	3	3	3	CFW500B03P0T5DB66DS	Yes	B	13.4 x 8.5 x 9.9	26.5	**$1,925**	V1W (V1)
	3	4.3	3	4.3	CFW500B04P3T5DB66DS	Yes	B	13.4 x 8.5 x 9.9	26.5	**$2,175**	V1W (V1)
	7 1/2	7	7 1/2	7	CFW500B07P0T5DB66DS	Yes	B	13.4 x 8.5 x 9.9	26.5	**$2,435**	V1W (V1)
	10	10	10	10	CFW500B10P0T5DB66DS	Yes	B	13.4 x 8.5 x 9.9	26.5	**$2,680**	V1W (V1)
	10	12	10	12	CFW500B12P0T5DB66DS	Yes	B	13.4 x 8.5 x 9.9	26.5	**$3,005**	V1W (V1)

Notes:
1) ND (Normal Duty) / VT (Variable Torque): 110% Overload / 60 seconds; HD (Heavy Duty) / CT (Constant Torque): 150% Overload / 60 seconds.
2) "HP" rating based on WEG W22 motors "average FLA values". Use as a guide only.
3) Motor FLA may vary with speed and manufacturer. ALWAYS compare motor FLA to nominal amps of drive.
4) Frame size A, B and C are rated for 40°C ambient temperature.
5) All 575V drives are non-stocked items and are still Generation-1 drives, consult WEG for availability.

Please refer to back cover for description of "NOTES"

Options & Accessories

Type	Catalog Number	Description	Approx. Shpg. Wt. (lbs)	List Price	Multiple New (old)
I/O	CFW500-IOS [1]	CFW500 I/O Module; 4 DI, 1 AI, 1 AO, 1 DOR, 1 DOT, 1 RS485, 10VDC, 24VDC	0.2	**$110**	V1G (V1)
I/O	CFW500-IOD	CFW500 I/O Module; 8 DI, 1 AI, 1 AO, 1 DOR, 4 DOT, 1 RS485, 10VDC, 24VDC	0.2	**$141**	V1G (V1)
I/O	CFW500-IOAD	CFW500 I/O Module; 6 DI, 3 AI, 2 AO, 1 DOR, 3 DOT, 1 RS485, 10VDC, 24VDC	0.2	**$182**	V1G (V1)
I/O	CFW500-IOR-B	CFW500 I/O Module; 5 DI, 1 AI, 1 AO, 4 DOR, 1 DOT, 1 RS485, 10VDC, 24VDC	0.2	**$125**	V1G (V1)
Encoder Input	CFW500-ENC	CFW500 Encoder Module; Quad Input A and B, 1 RS485, 5 DI, 1 AI, 1 AO, 3 DOR, 1 DOT, 24 VDC	0.2	**$210**	V1G (V1)
USB Card	CFW500-CUSB	CFW500 Comm. Module; 1 USB, 1 RS485, 4 DI, 1 AI, 1 AO, 1 DOR, 1 DOT, 10VDC, 24VDC	0.2	**$210**	V1G (V1)
RS232 Card	CFW500-CRS232	CFW500 Comm. Module; 1 RS232, 1 RS485, 4 DI, 1 AI, 1 AO, 1 DOR, 1 DOT, 24VDC	0.2	**$138**	V1G (V1)
RS485 Card	CFW500-CRS485-B	CFW500 Comm. Module; 2 RS485, 4 DI, 2 AI, 1 AO, 2 DOR, 1 DOT, 10VDC, 24VDC	0.2	**$143**	V1G (V1)
CANopen Card	CFW500-CCAN	CFW500 Comm. Module; 1 CAN/DeviceNet, 1 RS485, 2 DI, 1 AI, 1 AO, 1 DOR, 1 DOT, 10VDC, 24VDC	0.2	**$138**	V1G (V1)
Profibus DP Card	CFW500-CPDP	CFW500 Comm. Module; 2 DI, 1 AI, 1 AO, 1 DOR, 1 DOT, 1 Profibus DP, 1 RS485, 24VDC (DB9 connector)	0.2	**$405**	V1G (V1)
Profibus DP and DP-V1 Module	CFW500-CPDP2	CFW500 Comm. Module; 1-Profibus DP and DP-V1 100BASE TX RJ-45 Port, 1-RS485, 2-DI, 1-AI, 1-AO, 1-DOR, 1-DOT, 24VDC (Terminal Block Connector)	0.2	**$445**	V1G (V1)
Modbus TCP Comm. Module	CFW500-CEMB-TCP	CFW500 Comm. Module; 1-Modbus TCP 100BASE TX RJ-45 Port, 1-RS485, 2-DI, 1-AI, 1-AO, 1-DOR, 1-DOT, 24VDC	0.2	**$499**	V1G (V1)
ProfiNet I/O Comm. Module	CFW500-CEPN-IO	CFW500 Comm. Module; 1-ProfiNet I/O 100BASE TX RJ-45 Port, 1-RS485, 2-DI, 1-AI, 1-AO, 1-DOR, 1-DOT, 24VDC	0.2	**$499**	V1G (V1)
EtherNet IP Comm. Module	CFW500-CETH-IP	CFW500 Comm. Module; 2-DI, 1-AI, 1-AO, 1-DOR, 1-DOT, 1-RS485, 1-EtherNet IP 100BASE TX RJ-45 Port, 24VDC	0.2	**$499**	V1G (V1)
Dual Port Ethernet Module (Ethernet/IP or Modbus TCP)	CFW500-CETH2	CFW500 Dual Port Comm. Module: 2-DI, 1-AI, 1-DOT, 1-RS485, 2-EtherNet 100BASE TX RJ-45 Ports. Notes: The module will require external 24VDC power to use 1-DOT. The CFW500-G2 drive must have FM V3.9x or above to use this module.	0.3	**$575**	V1G (V1)
STO Module	CFW500-SFY2 [2]	CFW500 Safety Function Module; Safe Torque Off (STO) / Stop Category 0, Safe Stop 1 Time Controlled (SS1-t) / Stop Category 1; Safety Category: SIL 3, PL e	1.8	**$140**	V1G (V1)
STO Module Plug	CFW50X-STO-JMP	CFW50x STO module plug	0.2	**$12**	PTD
Flash Memory Module	CFW500-MMF	CFW500 Flash Memory Module for saving and reloading program and parameters to / from the drive.	0.2	**$189**	V1G (V1)
Remote Keypad: Non Text	CFW500-HMIR [3]	CFW500 Remote non-text Keypad for mounting through enclosure door (Mounting Frame Kit is not required).	0.6	**$169**	V1G (V1)
Remote Keypad: Advanced Text	HMI-01 [4]	CFW500 Remote Advanced Text Keypad for mounting through enclosure door (Mounting Frame Kit is required).	0.4	**$205**	V1G (V1)
Remote Keypad: Advanced Text Frame Kit	CFW500-RHMIF	CFW500 Remote Advanced Text Keypad enclosure door mounting frame kit	0.5	**$25**	V1G (V1)
HMI Cable 1M	CFW500-CCHMIR01M	3.3 ft (1 m) Remote Keypad Cable	0.5	**$23**	V1G (V1)
HMI Cable 2M	CFW500-CCHMIR02M	6.6 ft (2 m) Remote Keypad Cable	0.7	**$31**	V1G (V1)
HMI Cable 3M	CFW500-CCHMIR03M	9.9 ft (3 m) Remote Keypad Cable	1.0	**$41**	V1G (V1)
HMI Cable 5M	CFW500-CCHMIR05M	16 ft (5 m) Remote Keypad Cable	1.2	**$51**	V1G (V1)
HMI Cable 7.5M	CFW500-CCHMIR075M	25 ft (7.5 m) Remote Keypad Cable	1.5	**$61**	V1G (V1)
HMI Cable 10M	CFW500-CCHMIR010M	33 ft (10 m) Remote Keypad Cable	2.0	**$72**	V1G (V1)
NEMA 1 Conduit Kit	CFW500-KN1A	NEMA 1 kit: Frame Size A	2.0	**$28**	V1G (V1)
NEMA 1 Conduit Kit	CFW500-KN1B	NEMA 1 kit: Frame Size B	3.0	**$33**	V1G (V1)
NEMA 1 Conduit Kit	CFW500-KN1C	NEMA 1 kit: Frame Size C	3.0	**$44**	V1G (V1)
NEMA 1 Conduit Kit	CFW500-KN1D	NEMA 1 kit: Frame Size D	3.0	**$59**	V1G (V1)
NEMA 1 Conduit Kit	CFW500-KN1E	NEMA 1 kit: Frame Size E	6.0	**$64**	V1G (V1)
NEMA 1 Conduit Kit	CFW500-KN1F	NEMA 1 kit: Frame Size F	12.0	**$165**	V1G (V1)
NEMA 1 Conduit Kit	CFW500-KN1G	NEMA 1 kit: Frame Size G	17.0	**$215**	V1G (V1)
Cable Shield Clamp Kit	CFW500-KPCSA	Cable Shield Clamp Kit for Frame A	1.0	**$41**	V1G (V1)
Cable Shield Clamp Kit	CFW500-KPCSB	Cable Shield Clamp Kit for Frame B	1.0	**$44**	V1G (V1)
Cable Shield Clamp Kit	CFW500-KPCSC	Cable Shield Clamp Kit for Frame C	1.1	**$46**	V1G (V1)
Cable Shield Clamp Kit	CFW500-KPCSD	Cable Shield Clamp Kit for Frame D	1.1	**$51**	V1G (V1)
Cable Shield Clamp Kit	CFW500-KPCSE	Cable Shield Clamp Kit for Frame E	6.0	**$64**	V1G (V1)
Cable Shield Clamp Kit	CFW500-KPCSF	Cable Shield Clamp Kit for Frame F	15.0	**$140**	V1G (V1)
Cable Shield Clamp Kit	CFW500-KPCSG	Cable Shield Clamp Kit for Frame G	18.0	**$180**	V1G (V1)
CFW500 Demo Suitcase	CFW500-DEMO-BLK	CFW500 Black Demo Suitcase with Remote Text keypad and STO Module	45.0	**$5,585**	V1G (V1)

Notes:
1) The "CFW500-IOS" module is included as standard with CFW500-IP20 and IP66 Drives.
2) The "CFW500-SFY2" Module can be installed in the CFW500-IP20 and IP66 drives in addition to the "CFW500-IOS" or any other I/O or communication module. The "CFW500-SFY2" module only works with 230V and 460 VAC, CFW500-G2 (GENERATION 2) drives. For CFW500-IP20, Frame-A to E VFDs, the NEMA 1 Kit top cover to protect the VFD from falling dust can not be used if the "CFW500-SFY2" is installed on the drive.
3) The "CFW500-HMIR" Remote Keypad (Non-Text) requires Qty. (1) CFW500-CCHIR0xM cable. ("x" represents the cable length in meters)
4) The "HMI-01" remote Keypad (Advanced Text) requires Qty. (1) CFW500-RHMIF and Qty. (1) CFW500-CCHIR0xM cable. ("x" represents the cable length in meters). This keypad only works with 230 VAC and 460 VAC, CFW500-G2 (GENERATION 2) drives.

Please refer to back cover for description of "NOTES"

For detailed specifications, data sheets, drawings and performance curves visit http://www.weg.net

CFW500

Option Card I/O Table

CFW500 Option Module	DI[1]	AI	AO	DOR	DOT	Infrared	Encoder	USB	RS232	RS485	CANopen / DeviceNet	Profibus-DP / DP V1	Modbus TCP	ProfiNet I/O	EtherNet I/P
CFW500-IOS [1]	4	1	1	1	1					1					
CFW500-IOD	8	1	1	1	4					1					
CFW500-IOAD	6	3	2	1	3					1					
CFW500-IOR / CFW500-IOR-B	5	1	1	4	1	1				1					
CFW500-ENC	5	1	1	3	1		1			1					
CFW500-CUSB	4	1	1	1	1			1		1					
CFW500-CRS232	4	1	1	1	1				1	1					
CFW500-CRS485-B	4	2	1	2	1					2					
CFW500-CCAN	2	1	1	1	1					1	1				
CFW500-CPDP	2	1	1	1	1					1		1			
CFW500-CPDP2	2	1	1	1	1					1		1			
CFW500-CEMB-TCP	2	1	1	1	1					1			1		
CFW500-CEPN-IO	2	1	1	1	1					1				1	
CFW500-CETH-IP	2	1	1	1	1					1					1
CFW500-CETH2	2	1			1					1			1		1

Notes:
1) The CFW500 VFD comes standard with "CFW500-IOS" Module. To use any of the above listed optional module, the CFW500-IOS module needs to be removed from the drive. In that case, the number of I/Os will depend on the I/O or communication module being used.

Technical Data

Power Rating	**Power Supply**	Tolerance: -15 to +10%
		Frequency: 50/60 Hz (48 Hz to 62 Hz)
		Phase imbalance: ≤ 3% of the rated phase-phase input voltage
		Transient voltages and overvoltages according to Category III (EN 61010/UL 508C)
		Maximum of 10 (line) connections per hour (1 every 6 minutes)
		Typical efficiency: ≥97%
Control	**Method**	V/f (scalar) Voltage Vector WEG (VVW) Vector without encoder (sensorless) and closed loop vector with encoder PM VVW: voltage vector control for permanent magnet motors
	Output Frequency	0 to 500 Hz, resolution of 0.015 Hz
Performance	**V/f Control**	Speed regulation: 1% of the rated speed (with slip compensation) Speed variation range: 1:20
	Vector Control (VVW)	Speed regulation: 1% of the rated speed Speed variation range: 1:30
	Sensorless	Speed regulation: 0.5% of the rated speed Speed variation range: 1:100
	Vector Control with Encoder	Speed regulation: 0.1% of the rated speed Speed variation range: 1:100
	PM VVW Control	Regulation: 0.1 % of the rated speed Speed variation range: 1:20
Environment Conditions	**Temperature around the CFW500**	14°F to 122°F (-10°C to 50°C): IP20 (sizes A to E) 14°F to 104°F (-10°C to 40°C): IP20 (sizes A to E) when installed side by side 14°F to 104°F (-10°C to 40°C): NEMA 1 (sizes A to E) 14°F to 104°F (-10°C to 40°C): IP20, NEMA 1 (size F) 14°F to 113°F (-10°C to 45°C): IP20, NEMA 1 (size G) 14°F to 104°F (-10°C to 40°C): IP66 (sizes A & B) For CFW500-IP20-Frame A to E & CFW500-IP66-Frame A & B, when operating temperatures are above the specification, it is necessary to apply 2% of current derating for each Celsius degree (ºC), limited to an increase of 10°C. For CFW500-IP20-Frame F & G, when operating temperatures are above the specification, it is necessary to apply 1% of current derating for each Celsius degree (°C) up to 50°C, and 2% up to 60°C (maximum).
	Aggressive Environments	Protection Class 3C2: Standard coating on the internal circuits, according to IEC 60721-3-3 (standard model)
		Protection Class 3C3: Extra coating - optional, according to IEC 60721-3-3 (optional)
	Air Relative Humidity	5% to 95% non-condensing
	Altitude	Up to 1,000 m (maximum altitude under normal conditions) 1,000 to 4,000 m: current derating of 1% for each 100 m above 1,000 m of altitude
	Pollution Degree	2 (EN 50178 and UL 508C), with non-conductive pollution Condensation must not cause conduction of the accumulated residues
Inputs[1]	**Analog**	One (1) isolated input: Levels (0 to 10) V or (0 to 20) mA or (4 to 20) mA Linearity error ≤ 0.25% Impedance: 100 kΩ for voltage input, 500 Ω for current input Programmable functions, including PTC input Maximum voltage accepted in the inputs: 30 VDC
	Digital	Four (4) isolated inputs Programmable functions: Active high (PNP): maximum low level of 15 VDC; minimum high level of 20 VDC Active low (NPN): maximum low level of 5 VDC; minimum high level of 9 VDC Maximum input voltage of 30 VDC Input current: 4.5 mA Maximum input current: 5.5 mA
Outputs[1]	**Analog**	One (1) isolated output. Levels (0 to 10) V or (0 to 20) mA or (4 to 20) mA Linearity error ≤ 0.25% Programmable functions RL ≥10 kΩ (0 to 10 V) or RL ≤ 500 Ω (0 to 20 mA / 4 to 20 mA)
	Relay	One (1) relay with NO/NC contact Maximum voltage: 240 VAC Maximum current of 0.5 A Programmable functions
	Transistor	One (1) isolated open sink digital output (using as reference the 24 VDC power supply) Maximum current of 150 mA (maximum capacity of the 24 VDC power supply)[2] Programmable functions
	Power Supply	24 VDC power supply. Maximum capacity: 150 mA[2] Power supply of 10 VDC Maximum capacity: 2 mA
Communication	**Selectable Plug-In**	Standard Communication: One (1) RS485 (Modbus RTU / BACnet) Port. Optional: CANopen, DeviceNet, Profibus-DP, EtherNet/IP, Modbus TCP, ProfiNet IO, USB, RS485 (two Ports) and RS232 port
Safety	**Protection**	Phase-phase overcurrent/short circuit in the output Phase-ground overcurrent/short circuit in the output Undervoltage/overvoltage in the power Overtemperature of the heatsink Motor overload Overload on the power module (IGBTs) External fault / alarm Programming error
Operating Interface (keypad)	**Standard (Built in the CFW500)**	Nine (9) keys: Run/Stop, Increment, Decrement, Direction of rotation, Jog, Local/Remote, Back/Esc and Enter/Menu LCD Display It allows accessing/changing all the parameters Accuracy of the indications: Current: 5% of the rated current Speed resolution: 0.1 Hz
Protection Degree	**IP20**	Sizes A, B, C, D, E, F and G
	NEMA 1	Sizes A, B, C, D, E, F and G with NEMA 1 kit
	IP66/NEMA 4X (Indoor/Outdoor)	Sizes A and B

Notes:
1) The number and/or types of analog/digital inputs/outputs may vary according to the plug-in module (accessory) used. In the table above, the standard plug-in module (CFW500-IOS) was taken into account. For further information, refer to the CFW500 user manual.
2) The maximum capacity of 150 mA considers the load of the 24 V power supply plus the transistor output, that is, the sum of the consumption of both must not exceed 150 mA.
Please refer to back cover for description of "NOTES"

For detailed specifications, data sheets, drawings and performance curves visit http://www.weg.net

Technical Data

Standards	Safety Standards	UL 508C: Power conversion equipment
		UL 840: Insulation coordination including clearances and creepage distances for electrical equipment
		EN 61800-5-1: Safety requirements electrical, thermal and energy
		EN 50178: Electronic equipment for use in power installations
		EN 60204-1: Safety of machinery. Electrical equipment of machines. Part 1: general requirements Notes: In order to have a machine in accordance with this standard, the manufacturer of the machine is responsible for installing an emergency stop device and a device for disconnection from the power line.
		EN 60146 (IEC 146): Semiconductor converters
		EN 61800-2: Adjustable speed electrical power drive systems Part 2: general requirements – Rating specifications for low voltage adjustable frequency AC power drive systems.
	Electromagnetic Compatibility Standards	EN 61800-3: Adjustable speed electrical power drive systems Part 3: EMC product standard including specific test methods.
		EN 55011: Limits and methods of measurement of radio disturbance characteristics of industrial, scientific and medical (ISM) radio-frequency equipment
		CISPR 11: Industrial, scientific and medical (ISM) radio-frequency equipment Electromagnetic disturbance characteristics: Limits and methods of measurement
		EN 61000-4-2: Electromagnetic compatibility (EMC). Part 4: testing and measurement techniques. Section 2: electrostatic discharge immunity test.
		EN 61000-4-3: Electromagnetic compatibility – Part 4: testing and measurement techniques – Section 3: radiated, radio-frequency, electromagnetic field immunity test
		EN 61000-4-4: Electromagnetic compatibility – Part 4: testing and measurement techniques – Section 4: electrical fast transient/burst immunity test
		EN 61000-4-5: Electromagnetic compatibility – Part 4: testing and measurement techniques – Section 5: surge immunity test
		EN 61000-4-6: Electromagnetic compatibility – Part 4: testing and measurement techniques – Section 6: immunity to conducted disturbances, induced by radio-frequency fields
	Mechanical Construction Standards	EN 60529: Degrees of protection provided by enclosures (IP code)
		UL 50: Enclosures for electrical equipment
		IEC60721-3-3: Classification of environmental conditions – Part 3: classification of groups of environmental parameters and their severities – Section 3: stationary use at weather protected locations level 3M4.

CFW500-G2-IP20

Dynamic Braking Resistors – 100% Braking Torque at 20% Duty Cycle (12 Seconds Maximum Braking Time) – NEMA 1 Enclosure

Motor Voltage	Motor HP (ND)	CFW500 Catalog Number	Braking Resistor Catalog Number	Rated Ohms	Rated Watts	Dimensions (in) H x W x D[1]	List Price	Multiplier New (old)
230 VAC	2	CFW500B07P3B2DB20G2	CFDB2-63-448	63	500	5 x 12 x 7	$825	GA (V1)
	3	CFW500B10P0B2DB20G2	CFDB2-38-746	38	920	5 x 12 x 10	$1,025	GA (V1)
	5	CFW500B16P0T2DB20G2	CFDB2-26-1119	26	1,170	5 x 12 x 13	$1,225	GA (V1)
	7 1/2	CFW500C24P0T2DB20G2	CFDB2-19-1492	19	1,676	5 x 12 x 16	$1,430	GA (V1)
	10	CFW500D28P0T2DB20G2	CFDB2-13-2238	12.6	2,580	5 x 19 x 10	$1,775	GA (V1)
	10	CFW500D33P0T2DB20G2	CFDB2-10-2984	9.6	3,387	5 x 19 x 10	$1,775	GA (V1)
	15	CFW500D47P0T2DB20G2	CFDB2-10-2984	9.6	3,387	5 x 19 x 10	$1,775	GA (V1)
	25	CFW500E56P0T2DB20G2	CFDB2-7-4476	6.3	5,001	5 x 26.5 x 13	$2,780	GA (V1)
	25	CFW500F77P0T2DB20G2	CFDB2-8-3730	7.5	4,214	5 x 19 x 13	$2,150	GA (V1)
	30	CFW500F88P0T2DB20G2	CFDB2-8-3730	7.5	4,214	5 x 19 x 13	$2,150	GA (V1)
	40	CFW500F0105T2DB20G2	CFDB2-5-5968	4.9	6,590	5 x 26.5 x 16	$3,510	GA (V1)
	50	CFW500G0145T2DB20G2	CFDB2-3-11190	2.7	12,150	10 x 28 x 13	$6,010	GA (V1)
	60	CFW500G0180T2DB20G2	CFDB2-3-11190	2.7	12,150	10 x 28 x 13	$6,010	GA (V1)
	75	CFW500G0211T2DB20G2	CFDB2-3-11190	2.7	12,150	10 x 28 x 13	$6,010	GA (V1)
460 VAC	2	CFW500B02P6T4DB20G2	CFDB2-150-746	150	843	5 x 12 x 10	$1,025	GA (V1)
	3	CFW500B04P3T4DB20G2	CFDB2-150-746	150	843	5 x 12 x 10	$1,025	GA (V1)
	5	CFW500B06P5T4DB20G2	CFDB2-150-746	150	843	5 x 12 x 10	$1,025	GA (V1)
	7 1/2	CFW500B10P0T4DB20G2	CFDB2-75-1492	75	1,815	5 x 12 x 16	$1,430	GA (V1)
	10	CFW500C14P0T4DB20G2	CFDB2-50-2238	50	2,560	5 x 19 x 13	$1,965	GA (V1)
	10	CFW500C16P0T4DB20G2	CFDB2-50-2238	50	2,560	5 x 19 x 13	$1,965	GA (V1)
	15	CFW500D24P0T4DB20G2	CFDB2-25-4476	25	5,120	5 x 26.5 x 13	$2,700	GA (V1)
	20	CFW500D31P0T4DB20G2	CFDB2-19-5968	19	6,703	5 x 26.5 x 16	$3,155	GA (V1)
	25/30	CFW500E39P0T4DB20G2	CFDB2-10-11190	10	12,800	10 x 28 x 16	$6,050	GA (V1)
	40	CFW500E49P0T4DB20G2	CFDB2-10-11190	10	12,800	10 x 28 x 16	$6,050	GA (V1)
	50/60	CFW500F77P0T4DB20G2	CFDB2-15-8952	15	10,002	10 x 28 x 13	$4,635	GA (V1)
	60/75	CFW500F88P0T4DB20G2	CFDB2-15-8952	15	10,002	10 x 28 x 13	$4,635	GA (V1)
	75	CFW500F0105T4DB20G2	CFDB2-10-11190	10	12,800	10 x 28 x 16	$6,050	GA (V1)
	100/125	CFW500G0142T4DB20G2	CFDB2-5-22380	5	25,600	24 x 30 x 18	$12,655	GA (V1)
	150	CFW500G0180T4DB20G2	CFDB2-5-22380	5	25,600	24 x 30 x 18	$12,655	GA (V1)
	175	CFW500G0211T4DB20G2	CFDB2-5-22380	5	25,600	24 x 30 x 18	$12,655	GA (V1)

Notes:
1) Dimensions are provided for estimating purposes only.

CFW500-G2-IP20

Dynamic Braking Resistors – 100% Braking Torque at 50% Duty Cycle (30 Seconds Maximum Braking Time) – NEMA 1 Enclosure

Motor Voltage	Motor HP (ND)	CFW500 Catalog Number	Braking Resistor Catalog Number	Rated Ohms	Rated Watts	Dimensions (in) H x W x D[1]	List Price	Multiplier New (old)
230 VAC	2	CFW500B07P3B2DB20G2	CFDB5-63-1119	63	1,250	5 x 12 x 10	$1,225	GA (V1)
	3	CFW500B10P0B2DB20G2	CFDB5-38-1865	38	2,299	5 x 19 x 13	$1,965	GA (V1)
	5	CFW500B16P0T2DB20G2	CFDB5-26-2798	26	2,925	5 x 26.5 x 13	$2,700	GA (V1)
	7 1/2	CFW500C24P0T2DB20G2	CFDB5-19-3730	19	4,190	5 x 26.5 x 13	$2,700	GA (V1)
	10	CFW500D28P0T2DB20G2	CFDB5-13-5595	12.6	6,451	5 x 26.5 x 16	$3,155	GA (V1)
	10	CFW500D33P0T2DB20G2	CFDB5-10-7460	9.6	8,467	10 x 28 x 13	$4,990	GA (V1)
	15	CFW500D47P0T2DB20G2	CFDB5-10-7460	9.6	8,467	10 x 28 x 13	$4,990	GA (V1)
	25	CFW500E56P0T2DB20G2	CFDB5-7-11190	6.3	12,502	10 x 28 x 16	$5,620	GA (V1)
	25	CFW500F77P0T2DB20G2	CFDB5-8-9325	7.5	10,534	10 x 28 x 13	$4,990	GA (V1)
	30	CFW500F88P0T2DB20G2	CFDB5-8-9325	7.5	10,534	10 x 28 x 13	$4,990	GA (V1)
	40	CFW500F0105T2DB20G2	CFDB5-4-18650	3.9	19,500	24 x 30 x 18	$11,025	GA (V1)
	50	CFW500G0145T2DB20G2	CFDB5-3-27975	2.7	30,375	32 x 30 x 18	$16,420	GA (V1)
	60	CFW500G0180T2DB20G2	CFDB5-3-27975	2.7	30,375	32 x 30 x 18	$16,420	GA (V1)
	75	CFW500G0211T2DB20G2	CFDB5-3-27975	2.7	30,375	32 x 30 x 18	$16,420	GA (V1)
460 VAC	2	CFW500B02P6T4DB20G2	CFDB5-150-1865	150	2,107	5 x 19 x 13	$1,840	GA (V1)
	3	CFW500B04P3T4DB20G2	CFDB5-150-1865	150	2,107	5 x 19 x 13	$1,840	GA (V1)
	5	CFW500B06P5T4DB20G2	CFDB5-150-1865	150	2,107	5 x 19 x 13	$1,840	GA (V1)
	7 1/2	CFW500B10P0T4DB20G2	CFDB5-75-3730	75	4,538	5 x 26.5 x 16	$3,155	GA (V1)
	10	CFW500C14P0T4DB20G2	CFDB5-38-7460	38	8,379	10 x 28 x 13	$4,555	GA (V1)
	10	CFW500C16P0T4DB20G2	CFDB5-38-7460	38	8,379	10 x 28 x 13	$4,555	GA (V1)
	15	CFW500D24P0T4DB20G2	CFDB5-30-9325	30	10,935	10 x 28 x 16	$5,050	GA (V1)
	20	CFW500D31P0T4DB20G2	CFDB5-25-11190	25	12,800	10 x 28 x 16	$5,425	GA (V1)
	25/30	CFW500E39P0T4DB20G2	CFDB5-10-27975	10	32,000	32 x 30 x 18	$15,605	GA (V1)
	40	CFW500E49P0T4DB20G2	CFDB5-10-27975	10	32,000	32 x 30 x 18	$15,605	GA (V1)
	50/60	CFW500F77P0T4DB20G2	CFDB5-15-22380	15	25,005	24 x 30 x 18	$10,865	GA (V1)
	60/75	CFW500F88P0T4DB20G2	CFDB5-15-22380	15	25,005	24 x 30 x 18	$10,865	GA (V1)
	75	CFW500F0105T4DB20G2	CFDB5-8-46625	8	50,700	32 x 30 x 18	$20,600	GA (V1)
	100/125	CFW500G0142T4DB20G2	CFDB5-5-74600	5	83,790	72 x 30 x 18	$33,780	GA (V1)
	150	CFW500G0180T4DB20G2	CFDB5-5-74600	5	83,790	72 x 30 x 18	$33,780	GA (V1)
	175	CFW500G0211T4DB20G2	CFDB5-5-74600	5	83,790	72 x 30 x 18	$33,780	GA (V1)

Notes:
1) Dimensions are provided for estimating purposes only.

CFW500-G2-N4X (IP66)

Dynamic Braking Resistors – 100% Braking Torque at 20% Duty Cycle (12 Seconds Maximum Braking Time) – NEMA 1 Enclosure

Motor Voltage	Motor HP (ND)	CFW500 Catalog Number	Braking Resistor Catalog Number	Rated Ohms	Rated Watts	Dimensions (in) H x W x D [1]	List Price	Multiplier New (old)
230 VAC	1/3	CFW500A01P6B2DB66(DS)G2	CFDB2-190-149	190	167	5 x 12 x 5	$525	GA (V1)
	3/4	CFW500A02P6B2DB66(DS)G2	CFDB2-190-149	190	167	5 x 12 x 5	$525	GA (V1)
	1 1/2	CFW500A04P3B2DB66(DS)G2	CFDB2-190-149	190	167	5 x 12 x 5	$525	GA (V1)
	2	CFW500A07P3B2DB66(DS)G2	CFDB2-63-448	63	500	5 x 12 x 7	$825	GA (V1)
	3	CFW500A10P0B2DB66(DS)G2	CFDB2-38-746	38	920	5 x 12 x 10	$1,025	GA (V1)
	5	CFW500A16P0T2DB66(DS)G2	CFDB2-26-1119	26	1,170	5 x 12 x 13	$1,225	GA (V1)
	7 1/2	CFW500B24P0T2DB66(DS)G2	CFDB2-19-1492	19	1,676	5 x 12 x 16	$1,430	GA (V1)
	10	CFW500B28P0T2DB66(DS)G2	CFDB2-13-2238	12.6	2,580	5 x 19 x 10	$1,775	GA (V1)
	10	CFW500B33P0T2DB66(DS)G2	CFDB2-10-2984	9.6	3,387	5 x 19 x 10	$1,775	GA (V1)
	15	CFW500C47P0T2DB66(DS)G2	CFDB2-10-2984	9.6	3387	5 x 19 x 10	$1,775	GA (V1)
	25	CFW500C56P0T2DB66(DS)G2	CFDB2-7-4476	6.3	5000	5 x 26.5 x 13	$2,780	GA (V1)
460 VAC	1/2	CFW500A01P0T4DB66(DS)G2	CFDB2-150-746	150	843	5 x 12 x 10	$1,025	GA (V1)
	1	CFW500A01P6T4DB66(DS)G2	CFDB2-150-746	150	843	5 x 12 x 10	$1,025	GA (V1)
	2	CFW500A02P6T4DB66(DS)G2	CFDB2-150-746	150	843	5 x 12 x 10	$1,025	GA (V1)
	3	CFW500A04P3T4DB66(DS)G2	CFDB2-150-746	150	843	5 x 12 x 10	$1,025	GA (V1)
	5	CFW 500A06P5T4DB66(DS)G2	CFDB2-150-746	150	843	5 x 12 x 10	$1,025	GA (V1)
	7 1/2	CFW500A10P0T4DB66(DS)G2	CFDB2-75-1492	75	1,815	5 x 12 x 16	$1,430	GA (V1)
	10	CFW500B14P0T4DB66(DS)G2	CFDB2-50-2238	50	2,560	5 x 19 x 13	$1,965	GA (V1)
	10	CFW500B16P0T4DB66(DS)G2	CFDB2-50-2238	50	2,560	5 x 19 x 13	$1,965	GA (V1)
	15	CFW500B24P0T4DB66(DS)G2	CFDB2-25-4476	25	5,120	5 x 26.5 x 13	$2,700	GA (V1)
	25	CFW500B31P0T4DB66(DS)G2	CFDB2-19-5968	19	6,703	5 x 26.5 x 16	$3,155	GA (V1)
	30	CFW500C39P0T4DB66(DS)G2	CFDB2-10-11190	10	12,800	10 x 28 x 16	$6,050	GA (V1)
	50	CFW500C49P0T4DB66(DS)G2	CFDB2-10-11190	10	12,800	10 x 28 x 16	$6,050	GA (V1)

Notes:
1) Dimensions are provided for estimating purposes only.

CFW900 – System Drive

The CFW900 is a high-tech VFD for driving and controlling three-phase induction and permanent magnet motors. It offers excellent static and dynamic performance and highly precise torque, speed, and position control. It can be used in a wide range of applications due to its high overload capacity. Thanks to its technology, the CFW900 variable speed drive provides energy savings, safety, increased productivity, and quality in the process network in which it is implemented. It allows quick and easy access to the application information and configuration settings. Using a menu structure, the new interface of the CFW900 line offers an unprecedented user interactive experience, providing settings and configurations with a detailed description of the parameters right on the HMI, in addition to event logs with date and time and a setup wizard.

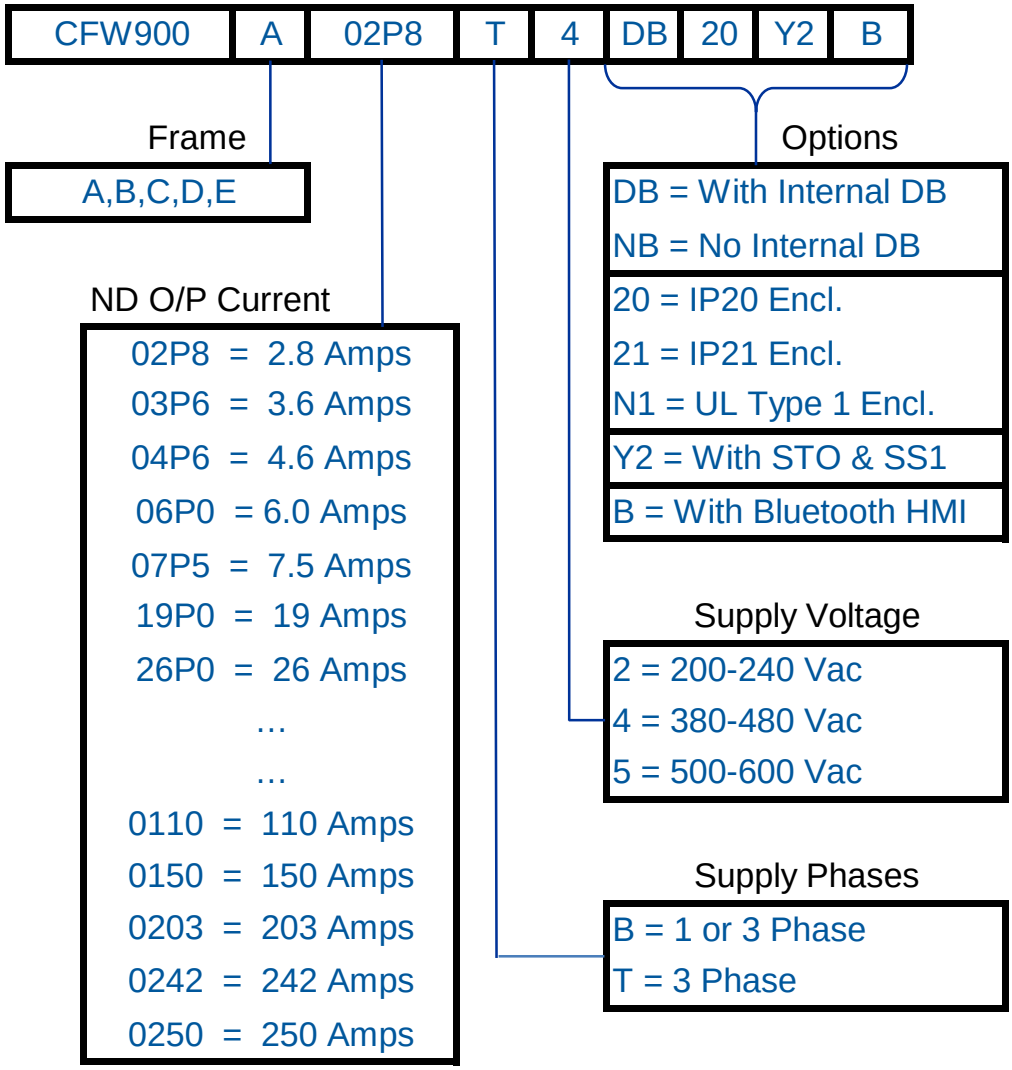
Standard Features

- IP20 Enclosure Protection class. (UL Type 1 with optional kit).
- Dual DC link inductors enable compliance with IEC 61000-3-2 & 61000-3-12 requirements regarding harmonics, (no need for external line reactance.)
- Normal duty and heavy-duty ratings to adapt to all kinds of loads.
- Conformal coated circuit board as per Class 3C2 in compliance with IEC 60721-3-3.
- Control Mode: Scalar, VVW (Voltage Vector WEG), Vector Control (Sensorless and closed loop with encoder feedback), VVW PM (suitable for fan, Pump, and compressor).
- Smart Thermal management allowing automatic adjustment of the switching frequency to keep the motor running in adverse conditions of high temperature.
- IoT - Ready VFD with MQTT protocol allows direct integration with WEG MFM.
- Specific PWM Modulation function eliminates the need of an output filter up to 200m motor cable length.
- 4 independent slots with the possibility of expansion to 7 slots to accommodate optional modules. (Any module can be mounted in any slot in any quantity, except the communication module which is limited to one per drive.)
- Detachable Modern Text/Graphic Keypad with USB port, built-in Bluetooth (Bluetooth allows easy programming & and monitoring of CFW900 using Cell phone app “WEG WPS”), Real-time clock with event log, copy function, Oriented start-up, and online help.
- Built-in as a standard:
  - RFI filter meeting the requirements of electromagnetic compatibility directive “EMC Directive 2004/108/EC”.
  - advanced SoftPLC (PLC functionality).
  - 24Vdc power supply (max. 800mA); can also accept external 24Vdc power to keep control & communication circuits active.
  - RS-485 (Modbus RTU) port
  - Dual Ethernet ports (Ethernet/IP or Modbus TCP)
  - STO (Safe Torque Off) and SS1 (Safe Stop, time controlled) safety functions meet SIL3 & Ple / Category 4 requirements, eliminating need of Safety relay/safety contactors.

Applications

- Pumps
- Fans/Blowers
- Conveyors
- Crushers
- Compressors
- Agitators and Mixers
- Extruders
- Grizzly Feeders
- Centrifuges
- Cranes and Hoists
- Rollout Tables
- Presses
- Saws

CFW900 CATALOG NUMBER SEQUENCE



Drive Ratings

Normal Duty (ND) Cycle:

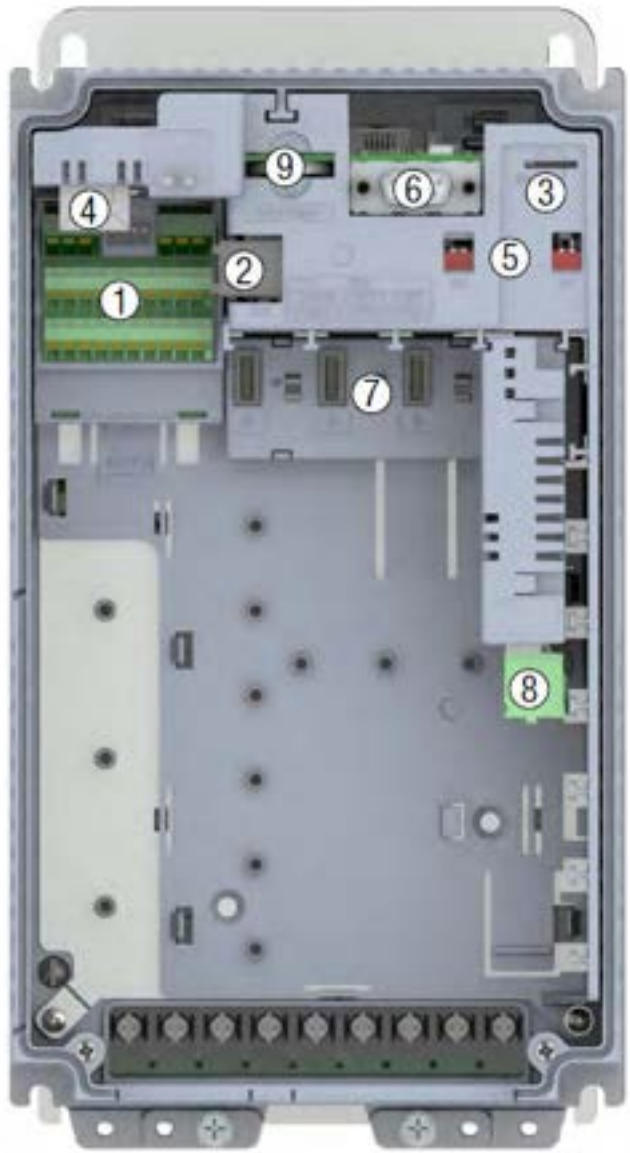
- 110% for 60 seconds every 5 minutes.
- 150% for 3 seconds every 5 minutes.

Heavy Duty (HD) Cycle:

- 150% for 60 seconds every 5 minutes.
- 200% for 3 seconds every 5 minutes.

Sizing the drive:

The correct way to select a VFD is to match its output current with the motor-rated current. However, the tables in this catalog also present the expected motor horsepower for each VFD model as per WEG W22, 4-pole NEMA Premium Motor ratings. Use these horsepower ratings only as a guide.



Item	Description
1	XC1 Connector (CFW900-IOS): digital and analog inputs and outputs, input for external power supply and RS-485 communication
2	XC2 Connector (safety module): STO and SS1-t functions
3	XC3 connector (microSD card slot): allows copying parameters and storing SoftPLC programs (see the programming manual); micro SD Card is not supplied with CFW900, available as an optional accessory.
4	XC4A and XC4B connectors: dual port ethernet connection (RJ45) (see the ethernet communication manual)
5	DIP switches S1 and S2: safety module configuration
6	XC6 connector: DB9 connector for connecting the HMI/remote HMI
7	"Backplane CFW900-4SLOTS: provides four slots to connect accessories. By default, slot A is taken by the CFW900-REL-01. It can be replaced by the CFW900-7SLOTS, which has seven slots for accessories."
8	XC30 (CFW900-REL-01): Relay output
9	CR2032 battery for real time clock. Use non-conductive pliers or tweezers to remove/replace the battery

CFW900-IP20
Enclosure

CFW900 with UL
Type 1 kit

CFW900 with IP21 kit

Please refer to back cover for description of “NOTES”

For detailed specifications, data sheets, drawings and performance curves visit http://www.weg.net

CFW900

CFW900 - IP20 - 230VAC

Motor Voltage	ND / VT [1]		HD / CT [1]		Catalog Number	Braking Transistor	Frame Size [4]	Dimensions (in.) HxWxD	Approx. Weight (lbs.)	List Price	Multiplier Symbol
	Motor HP [2]	Drive Amps [3]	Motor HP [2]	Drive Amps [3]							
230 Vac / 3 Phase	**Input Power Supply: Single or Three-Phase 200-240 Vac with Dynamic Braking Transistor**										
	1 1/2	4.6	1 1/2	4.6	CFW900A04P6B2DB20Y2B	Yes	A	10.6 x 5.7 x 8.7	9.9	**$1,570**	V1P
	2	6	2	6	CFW900A06P0B2DB20Y2B	Yes	A	10.6 x 5.7 x 8.7	9.9	**$1,644**	V1P
	2	7.5	2	7.5	CFW900A07P5B2DB20Y2B	Yes	A	10.6 x 5.7 x 8.7	9.9	**$1,716**	V1P
	3	10	3	10	CFW900A10P0B2DB20Y2B	Yes	A	10.6 x 5.7 x 8.7	9.9	**$1,812**	V1P
	Input Power Supply: Three-Phase 200-240 Vac with Dynamic Braking Transistor										
	1 1/2	4.6	1 1/2	4.6	CFW900A04P6T2DB20Y2B	Yes	A	10.6 x 5.7 x 8.7	9.9	**$1,498**	V1P
	2	6	1 1/2	5	CFW900A06P0T2DB20Y2B	Yes	A	10.6 x 5.7 x 8.7	9.9	**$1,538**	V1P
	2	7.5	2	6.8	CFW900A07P5T2DB20Y2B	Yes	A	10.6 x 5.7 x 8.7	9.9	**$1,620**	V1P
	3	10.6	3	9.6	CFW900A10P6T2DB20Y2B	Yes	A	10.6 x 5.7 x 8.7	9.9	**$1,692**	V1P
	5	13	3	11	CFW900A13P0T2DB20Y2B	Yes	A	10.6 x 5.7 x 8.7	9.9	**$1,728**	V1P
	7 1/2	19	5	16	CFW900A19P0T2DB20Y2B	Yes	A	10.6 x 5.7 x 8.7	9.9	**$1,850**	V1P
	10	26	7 1/2	22	CFW900B26P0T2DB20Y2B	Yes	B	15.2 x 6.5 x 9	22.0	**$2,424**	V1P
	10	34	10	28	CFW900B34P0T2DB20Y2B	Yes	B	15.2 x 6.5 x 9	22.0	**$2,641**	V1P
	15	45	10	35	CFW900B45P0T2DB20Y2B	Yes	B	15.2 x 6.5 x 9	22.0	**$3,641**	V1P
	20	56	15	47	CFW900C56P0T2DB20Y2B	Yes	C	18.1 x 7.9 x 11.6	45.2	**$4,400**	V1P
	25	70	20/25	59	CFW900C70P0T2DB20Y2B	Yes	C	18.1 x 7.9 x 11.6	45.2	**$5,700**	V1P
	30	80	25	70	CFW900C80P0T2DB20Y2B	Yes	C	18.1 x 7.9 x 11.6	45.2	**$7,100**	V1P
	40	110	30	92	CFW900D0110T2DB20Y2B	Yes	D	24.6 x 9.8 x 11.6	73.8	**$9,000**	V1P
	50	135	40	110	CFW900D0135T2DB20Y2B	Yes	D	24.6 x 9.8 x 11.6	73.8	**$12,037**	V1P
	60	150	50	124	CFW900D0150T2DB20Y2B	Yes	D	24.6 x 9.8 x 11.6	73.8	**$13,295**	V1P
	75	172	60	150	CFW900E0172T2DB20Y2B	Yes	E	26.6 x 13.2 x 14.1	140.0	**$14,553**	V1P
	75	195	60	160	CFW900E0195T2DB20Y2B	Yes	E	26.6 x 13.2 x 14.1	140.0	**$17,922**	V1P
	100	250	75	211	CFW900E0250T2DB20Y2B	Yes	E	26.6 x 13.2 x 14.1	140.0	**$20,866**	V1P
	Input Power Supply: Three-Phase 200-240 Vac without Dynamic Braking Transistor										
	40	110	30	92	CFW900D0110T2NB20Y2B	No	D	24.6 x 9.8 x 11.6	73.8	**$8,550**	V1P
	50	135	40	110	CFW900D0135T2NB20Y2B	No	D	24.6 x 9.8 x 11.6	73.8	**$11,250**	V1P
	60	150	50	124	CFW900D0150T2NB20Y2B	No	D	24.6 x 9.8 x 11.6	73.8	**$12,425**	V1P
	75	172	60	150	CFW900E0172T2NB20Y2B	No	E	26.6 x 13.2 x 14.1	140.0	**$13,600**	V1P
	75	195	60	160	CFW900E0195T2NB20Y2B	No	E	26.6 x 13.2 x 14.1	140.0	**$16,750**	V1P
	100	250	75	211	CFW900E0250T2NB20Y2B	No	E	26.6 x 13.2 x 14.1	140.0	**$19,500**	V1P

Notes:

1. ND/ VT = Normal Duty / Variable Torque (Quadratic Load), 110% overload / 60 sec OR 150% overload / 3 sec, every 5 minutes.
HD/ CT = Heavy Duty / Constant Torque, 150% overload / 60 sec OR 200% overload / 3 sec, every 5 minutes.

2. "HP" rating based on WEG 4-Pole W22 motors' "average FLA values." Use as a guide only.

3. Motor FLA may vary with speed and manufacturer. ALWAYS compare motor FLA to Nominal AMPS of the drive.

4. Frame A to D: Maximum 122°F (50°C) ambient temperature (w/o derating) with factory default settings for Intelligent Thermal Management (Active) and switching frequency (4 kHz).
Frame E: Maximum 113°F (45°C) ambient temperature (w/o derating) with factory default settings for Intelligent Thermal Management (Active) and switching frequency (2 kHz).

Please refer to back cover for description of "NOTES"

For detailed specifications, data sheets, drawings and performance curves visit http:// www.weg.net

CFW900 - IP20 - 460VAC

Motor Voltage	ND / VT [1]		HD / CT [1]		Catalog Number	Braking Transistor	Frame Size [4]	Dimensions (in.) HxWxD	Approx. Weight (lbs.)	List Price	Multiplier Symbol
	Motor HP [2]	Drive Amps [3]	Motor HP [2]	Drive Amps [3]							
460 Vac / 3 Phase	Input Power Supply: Three-Phase 380-480 Vac with Dynamic Braking Transistor										
	2	2.8	1 1/2	2.4	CFW900A02P8T4DB20Y2B	Yes	A	10.6 x 5.7 x 8.7	9.9	$1,580	V1P
	2	3.6	2	2.8	CFW900A03P6T4DB20Y2B	Yes	A	10.6 x 5.7 x 8.7	9.9	$1,616	V1P
	3	4.8	2	3.9	CFW900A04P8T4DB20Y2B	Yes	A	10.6 x 5.7 x 8.7	9.9	$1,650	V1P
	5	6.5	3	5.3	CFW900A06P5T4DB20Y2B	Yes	A	10.6 x 5.7 x 8.7	9.9	$1,712	V1P
	7 1/2	9.6	5	8	CFW900A09P6T4DB20Y2B	Yes	A	10.6 x 5.7 x 8.7	9.9	$1,969	V1P
	10	14	7 1/2	12	CFW900A14P0T4DB20Y2B	Yes	A	10.6 x 5.7 x 8.7	9.9	$2,068	V1P
	10	17	10	17	CFW900A17P0T4DB20Y2B	Yes	A	10.6 x 5.7 x 8.7	9.9	$2,500	V1P
	15/20	26	15	21	CFW900B26P0T4DB20Y2B	Yes	B	15.2 x 6.5 x 9	22.0	$3,085	V1P
	25	33	20	28	CFW900B33P0T4DB20Y2B	Yes	B	15.2 x 6.5 x 9	22.0	$3,873	V1P
	30	39	25	33	CFW900B39P0T4DB20Y2B	Yes	B	15.2 x 6.5 x 9	22.0	$4,300	V1P
	40	50	30	40	CFW900C50P0T4DB20Y2B	Yes	C	18.1 x 7.9 x 11.6	45.2	$5,400	V1P
	50	62	40	50	CFW900C62P0T4DB20Y2B	Yes	C	18.1 x 7.9 x 11.6	45.2	$6,633	V1P
	60	74	50	62	CFW900C74P0T4DB20Y2B	Yes	C	18.1 x 7.9 x 11.6	45.2	$7,500	V1P
	75	96	60	75	CFW900D96P0T4DB20Y2B	Yes	D	24.6 x 9.8 x 11.6	73.8	$10,372	V1P
	100	124	75	103	CFW900D0124T4DB20Y2B	Yes	D	24.6 x 9.8 x 11.6	73.8	$11,876	V1P
	125	146	100	124	CFW900D0146T4DB20Y2B	Yes	D	24.6 x 9.8 x 11.6	73.8	$13,374	V1P
	150	172	125	146	CFW900E0172T4DB20Y2B	Yes	E	26.6 x 13.2 x 14.1	140.0	$16,049	V1P
	175	203	125	161	CFW900E0203T4DB20Y2B	Yes	E	26.6 x 13.2 x 14.1	140.0	$18,725	V1P
	200	242	150	190	CFW900E0242T4DB20Y2B	Yes	E	26.6 x 13.2 x 14.1	140.0	$22,470	V1P
	Input Power Supply: Three-Phase 380-480 Vac without Dynamic Braking Transistor										
	75	96	60	75	CFW900D96P0T4NB20Y2B	No	D	24.6 x 9.8 x 11.6	73.8	$9,695	V1P
	100	124	75	103	CFW900D0124T4NB20Y2B	No	D	24.6 x 9.8 x 11.6	73.8	$11,100	V1P
	125	146	100	124	CFW900D0146T4NB20Y2B	No	D	24.6 x 9.8 x 11.6	73.8	$12,500	V1P
	150	172	125	146	CFW900E0172T4NB20Y2B	No	E	26.6 x 13.2 x 14.1	140.0	$15,000	V1P
	175	203	125	161	CFW900E0203T4NB20Y2B	No	E	26.6 x 13.2 x 14.1	140.0	$17,500	V1P
	200	242	150	190	CFW900E0242T4NB20Y2B	No	E	26.6 x 13.2 x 14.1	140.0	$21,000	V1P

Notes:
1. ND/ VT = Normal Duty / Variable Torque (Quadratic Load), 110% overload / 60 sec OR 150% overload / 3 sec, every 5 minutes.
HD/ CT = Heavy Duty / Constant Torque, 150% overload / 60 sec OR 200% overload / 3 sec, every 5 minutes.
2. "HP" rating based on WEG 4-Pole W22 motors' "average FLA values." Use as a guide only.
3. Motor FLA may vary with speed and manufacturer. ALWAYS compare motor FLA to Nominal AMPS of the drive.
4. Frame A to D: Maximum 122°F (50°C) ambient temperature (w/o derating) with factory default settings for Intelligent Thermal Management (Active) and switching frequency
(4 kHz).
Frame E: Maximum 113°F (45°C) ambient temperature (w/o derating) with factory default settings for Intelligent Thermal Management (Active) and switching frequency
(2 kHz).

Options and Accessories

TYPE	CATALOG NUMBER	DESCRIPTION	Apprx. Shpg. Wt. (lbs.)	List Price	Multiplier Symbol
CFW900 I/O Expansion Modules [1]	CFW900-IOAI-01	3 Isolated Analog Inputs: Impedance: > 400 Kohm (Voltage), 250 Ohm (Current) AI1: Voltage 0 to 10v, 12 bits; Current 0/4 to 20 mA, 11 bits AI2 & AI3: Voltage -10/0 to 10v, 11 bits + signal; Current - 0/4 to 20 mA, 10 bits 2 Isolated Analog Outputs: RL ≥ 1 Kohm (Voltage) or RL ≤ 600 ohm (Current) AO1 & AO2: Voltage 0 to 10v, 12 bits; Current - 0/4 to 20 mA, 12 bits	0.5	**$605**	V1P
	CFW900-IOD-01	8 configurable (NPN or PNP) isolated inputs, Max. Voltage: 30 Vdc. 8 configurable isolated digital outputs with solid-state relay: 30 Vdc.	0.5	**$455**	V1P
	CFW900-REL-01	3 Relay outputs (one module supplied as a standard with CFW900 Drive) Relay Output# 1: Form C (NO & NC contacts) Relay Output # 2 & 3: Form A (NO contact) Maximum voltage: 30 Vdc, 250 Vac, OVC III Maximum current: 2 A	0.5	**$200**	V1P
Temperature Transducers Modules [1]	CFW900-TEMP-01	Six (6) isolated inputs for PTC / PT100 or PT1000 Sensors (2-wire or 3-wire connections). All sensors must be of same type.	0.5	**$390**	V1P
Encoder Modules [1]	CFW900-ENC-01	Incremental encoder with a signal up to 310 kHz and repeater	0.5	**$435**	V1P
Communication Modules [2]	CFW900-CCAN-W	CAN interface module (CANopen / DeviceNet)	0.5	**$275**	V1P
	CFW900-CPDP-N	Profibus DP-V1 interface module	0.5	**$1,460**	V1P
	CFW900-CPN-IRT-N	Profinet IRT interface module - 2 Ports	0.5	**$2,810**	V1P
	CFW900-CECAT-N	EtherCAT interface module - 2 Ports	0.5	**$2,065**	V1P
Backplane - Slot for Accessories	CFW900-4SLOTS	Backplane with 4 Slots (supplied as a standard with CFW900 Drive)	0.5	**$200**	V1P
	CFW900-7SLOTS	Backplane with 7 Slots	0.5	**$250**	V1P
Keypad Accessories	CFW900-HMI-BLT	CFW900 standard keypad with Bluetooth	0.2	**$390**	V1P
	CFW900-RHMIF	CFW900 Remote keypad frame kit, UL Type 12	0.5	**$70**	V1P
Remote Keypad Cables	CFW900-CCHMIR01M	1m (3.3ft) Remote Keypad Cable	0.7	**$55**	V1P
	CFW900-CCHMIR02M	2m (6.6ft) Remote Keypad Cable	1.5	**$60**	V1P
	CFW900-CCHMIR03M	3m (10ft) Remote Keypad Cable	2	**$70**	V1P
	CFW900-CCHMIR05M	5m (16ft) Remote Keypad Cable	2.6	**$80**	V1P
	CFW900-CCHMIR07M	7.5m (25ft) Remote Keypad Cable	3.3	**$95**	V1P
	CFW900-CCHMIR10M	10m (33ft) Remote Keypad Cable	4.0	**$105**	V1P
UL Type 1 (NEMA1) Kits	CFW900-KN1A	UL Type 1 (NEMA1) - Conduit kit for CFW900 frame size A	22.0	**$85**	V1P
	CFW900-KN1B	UL Type 1 (NEMA1) - Conduit kit for CFW900 frame size B	16.0	**$105**	V1P
	CFW900-KN1C [3]	UL Type 1 (NEMA1) - Conduit kit for CFW900 frame size C	18.0	**$120**	V1P
	CFW900-KN1D [3]	UL Type 1 (NEMA1) - Conduit kit for CFW900 frame size D	28.0	**$170**	V1P
	CFW900-KN1E [3]	UL Type 1 (NEMA1) - Conduit kit for CFW900 frame size E	28.0	**$220**	V1P
IP21 kits	CFW900-IP21A	IP21 - Kit for CFW900 frame size A (top cover)	8.5	**$100**	V1P
	CFW900-IP21B	IP21 - Kit for CFW900 frame size B (top cover)	8.5	**$105**	V1P
	CFW900-IP21C	IP21 - Kit for CFW900 frame size C (top cover)	8.5	**$110**	V1P
	CFW900-IP21D	IP21 - Kit for CFW900 frame size D (top cover)	8.8	**$125**	V1P
	CFW900-IP21E	IP21 - Kit for CFW900 frame size E (top cover)	10.7	**$140**	V1P
microSD Card	SDC-8GB [4]	8GB industrial temperature microSD card	0.5	**$290**	V1P
Demo Suitcase	CFW900-DEMO-ENC-BLK	CFW900 Demo Suitcase (black color) with Encoder	48.0	**$11,390**	V1P

Notes:
1. These accessories can be installed in any available slot of the Drive. Up to 7 accessories of the same type can be used.
2. It is only possible to use one communication module per inverter.
3. UL Listing is in progress. The Items will be available in 2nd Q of 2025.
4. Not UL listed.

Technical Data

Input AC Power Supply	Voltage	Single Phase or Three Phase	Frame-A, B & C: 200-240 Vac (+10%, -15%)
			Frame-D & E: 208-240 Vac (+10%, -15%) 208-220V ac (+10%, -10%)
		Three phase	380-480 Vac (+10%, -15%)
	Frequency	50 / 60 Hz (Range: 48… 63Hz)	
	Phase Unbalance	≤ 3% between line voltages	
	Overvoltages / transients	Category III (EN 61010 / IEC61800-5-1 / UL61800-5-1)	
	Drive Power factor for rated condition - ND	For Single Phase or Three Phase, 200VAc drives (B2)	Single Phase: 0.70
			Three Phase: 0.77
		For three Phase (T2 or T4)	0.93
	Inverter displacement factor (cos phi)	≥ 0.98	
	Harmonic distortion of the input current (THDi)	≤ 42% for 75 to 100% of Drive nominal output current (ND) for balanced power supply	
Drive Output	Output Frequency	0 to 500 Hz for Frame A…D [1]	
		0 to 250 Hz for Frame E [1]	
	Switching Frequency	Rated [2]	Frames A to D : 4 kHz
			Frame E : 2kHz
		Adjustment range [3, 4]	Frames A to D : 1.5 to 16 kHz
			Frame E : 1 to 8 kHz
	Maximum motor Cable length	No need to use output filter: 200 m (over 100m, it is necessary to use PWM modulation for long cables) [5]	
General Data	RFI Filter	Built-In as a standard; Category C3.	
Enclosure	Drive	IP20 (UL Type 1 with optional kit)	
	Drive heat sink	UL Type 12	
Ambient	Max. operating ambient Temperature without D-rating (with Active Smart Thermal Management Feature) [6]	Surface Mounting	Frame-A to D: 50°C (122°F)
			Frame-E : 45°C (113°F)
		Flange Mounting	Frame-A to E front : 60°C (140°F) [7]
			Frame-A to D Heatsink : 50°C (122°F)
			Frame-E Heatsink: 45°C (113°F)
	Min. operating ambient Temperature	-10°C (14°F)	
	Humidity	5 ... 95 % non-condensing	
	Altitude	1000 meter w/o Derating; up to 4000 meter with derating [8]	
	Pollution degree	2 (EN50178 / IEC61800-5-1 / UL61800-5-1)	
	Conformal Coating	3C2 (IEC 60721-3-3:2002)	

NOTES:

1. *This output frequency range is valid considering the factory settings (e.g., rated switching frequency). It is possible to operate with higher output frequencies, limited to 1000 Hz, but the rated switching frequency must be increased. In these cases, WEG must be consulted.*
2. *The switching frequency can be automatically reduced due to inverter output overload, high ambient temperature, obstruction of air the circulation around the heatsink and/or operation with low output frequency.*
3. *For an operation with a switching frequency above the rated switching frequency, it is necessary to derate the drive output current. Please refer to the CFW900 user manual for more information.*
4. *Adjustment in 0.1 kHz steps.*
5. *The modulation type can be changed in parameter C1.4.1*
6. *The CFW900 can be used up to 60°C max. ambient temperautre with derating. Please refer to the CFW900 user manual for proper derating factor.*
7. *Exception: models CFW900C74P0T4 and CFW900D0146T4 that have specification of 55 °C (131 °F). For operation above 55 °C it is necessary to apply derating of 2 %/°C.*
8. *Please refer to the CFW900 user manual for proper derating factor for altitude higher than 1000 meter.*

Technical Data

Motor Control	Method	Voltage Source
	Type of Control	V/F (Scalar)
		VVW: Voltage vector control
		Vector control with encoder
		Sensorless Vector control
	Supported Motors	Induction Machine
		Permanent magnet motor
	Modulation	SVPWM space vector PWM standard
		PWM optimized for long output cables
	Measurements and indications	Current measurement accuracy: 5% of the rated current
		Speed resolution: 1rpm
		Built-in real-time clock
Safety	Drive Protection	Output overcurrent/short-circuit
		Under/overvoltage
		Phase loss
		Overtemperature
		Overload on the motor, braking resistor and IGBTs
		Output phase-ground short-circuit
		External Fault/Alarm
	Functions (Built-in)	Safe torque off (STO) as per IEC 61800-5-2 or Stop category 0 as per IEC 60204-1
		Safe stop 1 time controlled (SS1-t) as per IEC 61800-5-2 or Stop category 1 as per IEC 60204-1
	Category	SIL 3, as per IEC 61508 / IEC 62061 / IEC 61800-5-2
		PL e / category 4, as per ISO 13849-1
	STO1 and STO2 Digital Input	Redundant inputs for OSSD signals or dry contact signals
	SP1 and SP2 test digital output	Outputs to power dry contact
	24VS power supply input	Input for 24 V power supply ± 15% to the internal safety module
Integral Keypad (HMI)	12 operator keys: Run/Stop, Direction of Rotation, Jog, Local/ Remote and browsing buttons: Left, Right, Up, Down, Enter, Back and Help	
	Graphical LCD display	
	View/edition of all parameters	
	Option of external mounting using: 1. unshielded pin-to-pin DB9 cable up to 20 m 2. shielded pin-to-pin DB9 cable up to 100 m.	
	Communication with smartphone using Bluetooth (for models equipped with CFW900-HMI-BLT).	
	USB communication with PC using WEG WPS	
	Allows powering the HMI and the control board through the USB port for inverter parameterization without powering up the network or DC link.	
	Bluetooth	
MicroSD Card Slot	One microSD card slot	
	Graphical LCD display	
	View/edition of all parameters	
	Card requirements: Maximum size of 32 GB; Industrial Temperature (-40 °C (-40 °F) to 85 °C (185 °F)); FAT32 file system.	
	MicroSD card not included with Drive	

Technical Data

Digital Inputs	Six (6) Digital inputs	
	Digital input DI1 to DI4	isolated digital inputs.
		Low level: Vdc -3 V to 5 V, I<1.5 mA
		High level: Vdc > 11 V, I>2 mA
		Current 8mA@24V (Typical)
		Maximum voltage: 30 Vdc
		Maximum current: 11mA@30Vdc
	Digital input DI5 and DI6	isolated digital inputs.
		Low level: Vdc -3 V to 5 V, I<1.5 mA
		High level: Vdc > 11 V, I>2 mA
		Current 8mA@24V (Typical)
		Maximum voltage: 30 Vdc
		Maximum current: 11mA@30Vdc
		Maximum frequency: 32 kHz
		Input for encoder signals (maximum cable length of 3 m)
Digital Outputs	2 transistor digital outputs (NPN)	
	Isolated from power circuits	
	Maximum current: 40 mA	
	Protected against short circuit to the GND	
	Maximum voltage: 24 Vdc	
	With freewheeling diode for 24 Vdc power supply	
	Maximum frequency: 32 kHz	
Relay Outputs (supplied with drive as a standard using one (1) CFW900-REL-01 module)	3 Relay outputs	
	Relay Output# 1: Form C (NO & NC contacts); Relay Output # 2 & 3: Form A (NO contact)	
	Maximum voltage: 30 Vdc, 250 Vac, OVC III	
	Maximum current: 2 A	
	Minimum current: 10 mA @5 Vdc	
	400 V TVS between contacts	
	Functional isolation between each relay output	
Analog Inputs	2 differential analog inputs	
	Isolated from power circuits	
	Levels: -10/0 at 10 V (11 bits + signal), 0/4 at 20 mA (10 bits)	
	Maximum voltage: 30 V	
	Maximum current: 25 mA	
	Impedance: 400 kΩ (voltage mode), 250 Ω (current mode)	
	Maximum common mode voltage: 10 V	
Analog outputs	2 analog outputs	
	Isolated from power circuits	
	Levels: 0 at 10 V (12 bits), 0/4 at 20 mA (12 bits)	
	Load: $R_L \geq 1$ Kohm (Voltage) or $R_L \leq 600$ ohm (Current)	
Communication	RS-485	Isolated RS-485 Interface
		Modbus-RTU Protocol
		Can be used to program the inverter via WEG WPS software application
	Dual Ethernet Ports	Two RJ-45 Ethernet connectors
		10/100 Mbps data rate with built-in dual port switch
		Protocol: Ethernet/IP or Modbus TCP
		Can be used to program the inverter via WEG WPS software application

Please refer to back cover for description of “NOTES”

For detailed specifications, data sheets, drawings and performance curves visit http://www.weg.net

Data subject to change without notice.

Technical Data

Safety Standards	UL61800-5-1 - ”Adjustable Speed Electrical Power Drive Systems - Part 5-1: Safety Requirements - Electrical, Thermal and Energy”. Note: “Suitable for Installation in a compartment handling conditioned air”	
	EN 61800-5-1 - “Safety requirements electrical, thermal and energy” isolated digital inputs.	
	EN 50178 - “Electronic equipment for use in power installations”	
Specification standards	EN 60146 (IEC 146) - “Semiconductor converters”	
	EN 61800-2 - “Adjustable speed electrical power drive systems - Part 2: general requirements - Rating specifications for low voltage adjustable frequency AC power drive systems	
Electromagnetic compatibility standards (EMC)	EN 61800-3 - “Adjustable speed electrical power drive systems - Part 3: EMC product standard including specific test methods”	
	EN 55011 - ”Limits and methods of measurement of radio disturbance characteristics of industrial, scientific and medical (ISM) radio-frequency equipment”	
	CISPR 11 - Industrial, scientific and medical (ISM) radio-frequency equipment isolated digital inputs.	
	EN 61000-4-2 - “Electromagnetic compatibility (EMC) - Part 4: testing and measurement techniques - Sec. 2: electrostatic discharge immunity test”	
	EN 61000-4-3 - “Electromagnetic compatibility (EMC) - Part 4: testing and measurement techniques - Sec. 3: radiated, radio-frequency, electromagnetic field immunity test”	
	EN 61000-4-4 - “Electromagnetic compatibility (EMC) - Part 4: testing and measurement techniques - Sec. 4: electrical fast transient/burst immunity test”	
	EN 61000-4-5 - “Electromagnetic compatibility (EMC) - Part 4: testing and measurement techniques - Sec. 5: surge immunity test”	
	EN 61000-4-6 - “Electromagnetic compatibility (EMC) - Part 4: testing and measurement techniques - Sec. 6: immunity to conducted disturbances, induced by radio-frequency fields”	
	EN 61000-4-11 - “Testing and measurement techniques - Voltage dips, short interruptions and voltage variations immunity tests”	
Frame standards	EN 60529 - “Degrees of protection provided by enclosures (IP code)”	
	UL 50 - “Enclosures for electrical equipment”	
Ecodesign standards	IEC 61800-9-2 Parts 1 & 2 - ”Adjustable speed electrical power drive systems - Ecodesign for power drive systems, motor starters, power electronics and their driven applications”	
Functional safety standards	EN 61800-5-2 - Adjustable speed electrical power drive systems - Part 5-2: Safety requirements - Functional	
	EN ISO 13849-1 - Safety of machinery - Safety-related parts of control systems - Part 1: General principles for design	
	EN 62061 - Safety of machinery - Functional safety of safety-related control systems	
	IEC 61508 Parts 1-7 - Functional safety of electrical/electronic/programmable electronic safety-related systems	
	EN 60204-1 - Safety of machinery - Electrical equipment of machines - Part 1: General requirements	
Directives	Low-Voltage	2014/35/EU
	EMC	2014/30/EU
	RoHS	2011/65/EU 2015/863/EU
	Ecodesign	2009/125/EC
	Machinery	2006/42/EC
Certifications	cULus	E184430
	Functional Safety	TÜV Rheinland Certificate
	CE	European Community
	UKCA	United Kingdom
	EAC	Russia
	C-Tick	Austrialia & New Zealand
	UL MX NOM	Mexico
	IRAM	Argentina

Please refer to back cover for description of “NOTES”

Dynamic Braking Resistors - 100% Braking Torque at 20% Duty Cycle (12 Seconds Max. Braking Time) - NEMA1 Enclosure

Motor Voltage	Motor HP (ND) [1]	CFW900 Catalog Number	Braking Resistor Catalog Number [2]	Rated Ohms	Rated Watts	Dimensions (in.) HxWxD [3]	List Price	Multiplier New (Old)
3 / 230 Vac	1 1/2	CFW900A04P6B2DB20Y2B	CFDB2-38-746	38	920	5 x 12 x 10	**$1,025**	GA (V1)
	2	CFW900A06P0B2DB20Y2B	CFDB2-38-746	38	920	5 x 12 x 10	**$1,025**	GA (V1)
	2	CFW900A07P5B2DB20Y2B	CFDB2-26-1119	26	1,170	5 x 12 x 13	**$1,225**	GA (V1)
	3	CFW900A10P0B2DB20Y2B	CFDB2-13-2238	12.6	2,580	5 x 19 x 10	**$1,775**	GA (V1)
	1 1/2	CFW900A04P6T2DB20Y2B	CFDB2-63-448	63	500	5 x 12 x 7	**$825**	GA (V1)
	2	CFW900A06P0T2DB20Y2B	CFDB2-63-448	63	500	5 x 12 x 7	**$825**	GA (V1)
	2	CFW900A07P5T2DB20Y2B	CFDB2-38-746	38	920	5 x 12 x 10	**$1,025**	GA (V1)
	3	CFW900A10P6T2DB20Y2B	CFDB2-19-1492	19	1,676	5 x 12 x 16	**$1,430**	GA (V1)
	5	CFW900A13P0T2DB20Y2B	CFDB2-19-1492	19	1,676	5 x 12 x 16	**$1,430**	GA (V1)
	7 1/2	CFW900A19P0T2DB20Y2B	CFDB2-13-2238	12.6	2,580	5 x 19 x 10	**$1,775**	GA (V1)
	10	CFW900B26P0T2DB20Y2B	CFDB2-13-2238	12.6	2,580	5 x 19 x 10	**$1,775**	GA (V1)
	10	CFW900B34P0T2DB20Y2B	CFDB2-13-2238	12.6	2,580	5 x 19 x 10	**$1,775**	GA (V1)
	15	CFW900B45P0T2DB20Y2B	CFDB2-13-2238	12.6	2,580	5 x 19 x 10	**$1,775**	GA (V1)
	20	CFW900C56P0T2DB20Y2B	CFDB2-8-3730	7.5	4,214	5 x 19 x 13	**$2,150**	GA (V1)
	25	CFW900C70P0T2DB20Y2B	CFDB2-7-4476	6.3	5,001	5 x 26.5 x 13	**$2,780**	GA (V1)
	30	CFW900C80P0T2DB20Y2B	CFDB2-7-4476	6.3	5,001	5 x 26.5 x 13	**$2,780**	GA (V1)
	40	CFW900D0110T2DB20Y2B	CFDB2-4-7460	3.9	7,800	10 x 28 x 10	**$4,095**	GA (V1)
	50	CFW900D0135T2DB20Y2B	CFDB2-4-7460	3.9	7,800	10 x 28 x 10	**$4,095**	GA (V1)
	60	CFW900D0150T2DB20Y2B	CFDB2-4-7460	3.9	7,800	10 x 28 x 10	**$4,095**	GA (V1)
	75	CFW900E0172T2DB20Y2B	CFDB2-3-11190	2.7	12,150	10 x 28 x 13	**$6,010**	GA (V1)
	75	CFW900E0195T2DB20Y2B	CFDB2-3-11190	2.7	12,150	10 x 28 x 13	**$6,010**	GA (V1)
	100	CFW900E0250T2DB20Y2B	CFDB2-3-11190	2.7	12,150	10 x 28 x 13	**$6,010**	GA (V1)
3 / 460 Vac	2	CFW900A02P8T4DB20Y2B	CFDB2-100-1119	100	1,280	5 x 12 x 13	**$1,225**	GA (V1)
	2	CFW900A03P6T4DB20Y2B	CFDB2-100-1119	100	1,280	5 x 12 x 13	**$1,225**	GA (V1)
	3	CFW900A04P8T4DB20Y2B	CFDB2-100-1119	100	1,280	5 x 12 x 13	**$1,225**	GA (V1)
	5	CFW900A06P5T4DB20Y2B	CFDB2-100-1119	100	1,280	5 x 12 x 13	**$1,225**	GA (V1)
	7 1/2	CFW900A09P6T4DB20Y2B	CFDB2-75-1492	75	1,815	5 x 12 x 16	**$1,430**	GA (V1)
	10	CFW900A14P0T4DB20Y2B	CFDB2-38-2984	38	3,352	5 x 19 x 16	**$2,365**	GA (V1)
	10	CFW900A17P0T4DB20Y2B	CFDB2-30-3730	30	4,374	5 x 26.5 x 13	**$2,700**	GA (V1)
	15/20	CFW900B26P0T4DB20Y2B	CFDB2-38-2984	38	3,352	5 x 19 x 16	**$2,365**	GA (V1)
	25	CFW900B33P0T4DB20Y2B	CFDB2-38-2984	38	3,352	5 x 19 x 16	**$2,365**	GA (V1)
	30	CFW900B39P0T4DB20Y2B	CFDB2-19-5968	19	6,703	5 x 26.5 x 16	**$3,155**	GA (V1)
	40	CFW900C50P0T4DB20Y2B	CFDB2-19-5968	19	6,703	5 x 26.5 x 16	**$3,155**	GA (V1)
	50	CFW900C62P0T4DB20Y2B	CFDB2-19-5968	19	6,703	5 x 26.5 x 16	**$3,155**	GA (V1)
	60	CFW900C74P0T4DB20Y2B	CFDB2-10-11190	10	12,800	10 x 28 x 16	**$6,050**	GA (V1)
	75	CFW900D96P0T4DB20Y2B	CFDB2-5-22380	5	25,600	24 x 30 x 18	**$12,655**	GA (V1)
	100	CFW900D0124T4DB20Y2B	CFDB2-5-22380	5	25,600	24 x 30 x 18	**$12,655**	GA (V1)
	125	CFW900D0146T4DB20Y2B	CFDB2-5-22380	5	25,600	24 x 30 x 18	**$12,655**	GA (V1)
	150	CFW900E0172T4DB20Y2B	CFDB2-5-29840	3.8	33,516	24 x 30 x 18	**$12,655**	GA (V1)
	175	CFW900E0203T4DB20Y2B	CFDB2-5-29840	3.8	33,516	24 x 30 x 18	**$12,655**	GA (V1)
	200	CFW900E0242T4DB20Y2B	CFDB2-4-29840	3.8	33,516	30 x 18 x 32	**$12,655**	GA (V1)

Notes:
1. "HP" rating based on WEG 4-Pole W22 motors' "average FLA values." Use as a guide only.
2. Dynamic Braking Resistors are non-stock items. Consult WEG for availability.
3. Dimensions are provided for estimating purposes only.

Please refer to back cover for description of "NOTES"

For detailed specifications, data sheets, drawings and performance curves visit http://www.weg.net

Data subject to change without notice.

CFW900

Dynamic Braking Resistors - 100% Braking Torque at 50% Duty Cycle (30 Seconds Max. Braking Time) - NEMA1 Enclosure

Motor Voltage	Motor HP (ND) [1]	CFW900 Catalog Number	Braking Resistor Catalog Number [2]	Rated Ohms	Rated Watts	Dimensions (in.) HxWxD [3]	List Price	Multiplier New (Old)
3 / 230 Vac	1 1/2	CFW900A04P6B2DB20Y2B	CFDB5-38-1865	38	2,299	5 x 19 x 13	$1,965	GA (V1)
	2	CFW900A06P0B2DB20Y2B	CFDB5-38-1865	38	2,299	5 x 19 x 13	$1,965	GA (V1)
	2	CFW900A07P5B2DB20Y2B	CFDB5-26-2798	26	2,925	5 x 26.5 x 13	$2,700	GA (V1)
	3	CFW900A10P0B2DB20Y2B	CFDB5-13-5595	12.6	6,451	5 x 26.5 x 16	$3,155	GA (V1)
	1 1/2	CFW900A04P6T2DB20Y2B	CFDB5-63-1119	63	1,250	5 x 12 x 10	$1,225	GA (V1)
	2	CFW900A06P0T2DB20Y2B	CFDB5-63-1119	63	1,250	5 x 12 x 10	$1,225	GA (V1)
	2	CFW900A07P5T2DB20Y2B	CFDB5-38-1865	38	2,299	5 x 19 x 13	$1,965	GA (V1)
	3	CFW900A10P6T2DB20Y2B	CFDB5-19-3730	19	4,190	5 x 26.5 x 13	$2,700	GA (V1)
	5	CFW900A13P0T2DB20Y2B	CFDB5-19-3730	19	4,190	5 x 26.5 x 13	$2,700	GA (V1)
	7 1/2	CFW900A19P0T2DB20Y2B	CFDB5-13-5595	12.6	6,451	5 x 26.5 x 16	$3,155	GA (V1)
	10	CFW900B26P0T2DB20Y2B	CFDB5-13-5595	12.6	6,451	5 x 26.5 x 16	$3,155	GA (V1)
	10	CFW900B34P0T2DB20Y2B	CFDB5-13-5595	12.6	6,451	5 x 26.5 x 16	$3,155	GA (V1)
	15	CFW900B45P0T2DB20Y2B	CFDB5-13-5595	12.6	6,451	5 x 26.5 x 16	$3,155	GA (V1)
	20	CFW900C56P0T2DB20Y2B	CFDB5-8-9325	7.5	10,534	10 x 28 x 13	$4,990	GA (V1)
	25	CFW900C70P0T2DB20Y2B	CFDB5-7-11190	6.3	12,502	10 x 28 x16	$5,620	GA (V1)
	30	CFW900C80P0T2DB20Y2B	CFDB5-7-11190	6.3	12,502	10 x 28 x16	$5,620	GA (V1)
	40	CFW900D0110T2DB20Y2B	CFDB5-4-18650	3.9	19,500	24 x 30 x 18	$11,025	GA (V1)
	50	CFW900D0135T2DB20Y2B	CFDB5-4-18650	3.9	19,500	24 x 30 x 18	$11,025	GA (V1)
	60	CFW900D0150T2DB20Y2B	CFDB5-4-18650	3.9	19,500	24 x 30 x 18	$11,025	GA (V1)
	75	CFW900E0172T2DB20Y2B	CFDB5-3-27975	2.7	30,375	32 x 30 x 18	$16,420	GA (V1)
	75	CFW900E0195T2DB20Y2B	CFDB5-3-27975	2.7	30,375	32 x 30 x 18	$16,420	GA (V1)
	100	CFW900E0250T2DB20Y2B	CFDB5-3-27975	2.7	30,375	32 x 30 x 18	$16,420	GA (V1)
3 / 460 Vac	2	CFW900A02P8T4DB20Y2B	CFDB5-100-2798	100	3,200	5 x 19 x 16	$2,365	GA (V1)
	2	CFW900A03P6T4DB20Y2B	CFDB5-100-2798	100	3,200	5 x 19 x 16	$2,365	GA (V1)
	3	CFW900A04P8T4DB20Y2B	CFDB5-100-2798	100	3,200	5 x 19 x 16	$2,365	GA (V1)
	5	CFW900A06P5T4DB20Y2B	CFDB5-100-2798	100	3,200	5 x 19 x 16	$2,365	GA (V1)
	7 1/2	CFW900A09P6T4DB20Y2B	CFDB5-75-3730	75	4,538	5 x 26.5 x 16	$3,155	GA (V1)
	10	CFW900A14P0T4DB20Y2B	CFDB5-38-7460	38	8,379	10 x 28 x 13	$4,555	GA (V1)
	10	CFW900A17P0T4DB20Y2B	CFDB5-30-9325	30	10,935	10 x 28 x 16	$5,050	GA (V1)
	15/20	CFW900B26P0T4DB20Y2B	CFDB5-38-7460	38	8,379	10 x 28 x 13	$4,555	GA (V1)
	25	CFW900B33P0T4DB20Y2B	CFDB5-38-7460	38	8,379	10 x 28 x 13	$4,555	GA (V1)
	30	CFW900B39P0T4DB20Y2B	CFDB5-19-14920	19	16,758	24 x 30 x 18	$9,460	GA (V1)
	40	CFW900C50P0T4DB20Y2B	CFDB5-19-14920	19	16,758	24 x 30 x 18	$9,460	GA (V1)
	50	CFW900C62P0T4DB20Y2B	CFDB5-19-14920	19	16,758	24 x 30 x 18	$9,460	GA (V1)
	60	CFW900C74P0T4DB20Y2B	CFDB5-10-27975	10	32,000	32 x 30 x 18	$15,605	GA (V1)
	75	CFW900D96P0T4DB20Y2B	CFDB5-5-55950	5	64,000	48 x 30 x 18	$20,070	GA (V1)
	100	CFW900D0124T4DB20Y2B	CFDB5-5-55950	5	64,000	48 x 30 x 18	$20,070	GA (V1)
	125	CFW900D0146T4DB20Y2B	CFDB5-5-55950	5	64,000	48 x 30 x 18	$20,070	GA (V1)
	150	CFW900E0172T4DB20Y2B	CFDB5-4-74600	3.8	83,790	30 x 18 x 72	$33,780	GA (V1)
	175	CFW900E0203T4DB20Y2B	CFDB5-4-74600	3.8	83,790	30 x 18 x 72	$33,780	GA (V1)
	200	CFW900E0242T4DB20Y2B	CFDB5-4-74600	3.8	83,790	30 x 18 x 72	$33,780	GA (V1)

Notes:
1. "HP" rating based on WEG 4-Pole W22 motors' "average FLA values." Use as a guide only.
2. Dynamic Braking Resistors are non-stock items. Consult WEG for availability.
3. Dimensions are provided for estimating purposes only.

V.F.D.s and Enclosed Motor Controls

Please refer to back cover for description of "NOTES"

For detailed specifications, data sheets, drawings and performance curves visit http:// www.weg.net

EDP11 Series – Enclosed Drive Panels

The Engineered Drive Panel is an industrial general purpose AC motor control and protection package. It is designed for simple and quick installation and start-up, requiring only input power and output motor connections. There are two enclosure variants available such as NEMA 12 ventilated and NEMA 3R for outdoor installations.

The Engineered Drive Panel is built to complement the ruggedness and reliability of WEG motors, providing a complete, simple, and cost effective AC motor control, monitor and protection solution.

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NEMA 12 Features

- CFW11 Drive
- Indoor rated
- ED1-ED4: non-ventilated and wall mounted
- ED5: non-ventilated and floor mounted
- ED6-ED10: ventilated and floor mounted
- Circuit breaker with through door handle
- CFW11 VFD (dual DC choke built-in)
- Fused 480V/120V CPT
- Internal fan
- Heat sink through the back
- Motor terminal block
- Door mounted keypad
- START/STOP pushbuttons
- RUN/FAULT pilot lights
- Keypad cover – same as GPH2
- Drive and controls mounted in NEMA 4 section of panel; heat sink is external and rated NEMA 12

NEMA 3R Features

- NEMA 12 features plus:
  - Outdoor rated
  - Weather kit (rain/sun/snow shield)
  - Panel space heater + thermostat
  - Lightning arrestor
  - Service entrance rated

3-Contactor Bypass Option

- NEMA 12 or NEMA 3R version
- AC3 full rated by-pass contactor
- Drive input and output contactors
- Motor overload relay
- E-stop mushroom style pushbutton
- Enclosure size to be determined

HOA/POT/TB Option

- HOA = HAND-OFF-AUTO
- POT = Potentiometer for Speed Reference
- TB = Auxiliary Control Terminal Block for Remote Command

EDP11 panels highlighted in GREEN on page #379 represent panels that are normally kept in stock.

EDP11 - ENGINEERED DRIVE PANEL

EDP11 Catalog Number Sequence

EDP11	S	024	G	N12	1	1	0	0	0

Configuration
S = Standard

Current Rating
003 = 3 Amps
007 = 7 Amps
024 = 24 Amps
045 = 45 Amps
070 = 70 Amps
105 = 105 Amps
180 = 180 Amps
211 = 211 Amps
370 = 370 Amps
515 = 515 Amps
720 = 720 Amps
1141 = 1141 Amps

Supply Voltage
D = 200-240 VAC
G = 460-480 VAC

Enclosure
N01 = NEMA 1
N12 = NEMA 12
N3R = NEMA 3R

3-Contactor Bypass [1]
1 = With Bypass
0 = No Bypass

Operator Devices
0 = No HOA, Pot, TB
1 = HOA, Pot, TB

Chart intended as reference only and not to create part numbers.
1) By-pass contactor and overload is "full rated" and mounted adjacent the VFD.

Engineered Drive Panel – NEMA 12 Enclosure (no By-Pass)

Motor Voltage	ND / VT[1]		HD / CT[1]		Catalog Number	Braking Transistor	Drive Frame Size	Enclosure Frame Size[4]	Approx. Weight (lbs)[7]	List Price	Multiplier New (old)
	Motor HP[2]	Drive Amps[3]	Motor HP[2]	Drive Amps[3]							
	Input Power Supply: Three-Phase 220-240 VAC										
230 VAC	2	7.0	1 1/2	5.5	EDP11S007DN12	Yes	A	ED1	36	**$6,690**	V1E (V1)
	3	10	2	8.0	EDP11S010DN12	Yes	A	ED1	36	**$6,756**	V1E (V1)
	5	13	3	11	EDP11S013DN12	Yes	A	ED1	41	**$6,855**	V1E (V1)
	5	16	5	13	EDP11S016DN12	Yes	A	ED1	42	**$7,123**	V1E (V1)
	7 1/2	24	7 1/2	20	EDP11S024DN12	Yes	B	ED1	56	**$7,664**	V1E (V1)
	10	28	10	24	EDP11S028DN12	Yes	B	ED1	56	**$8,408**	V1E (V1)
	10	33.5	10	28	EDP11S033DN12	Yes	B	ED1	56	**$9,108**	V1E (V1)
	15	45	15	36	EDP11S045DN12	Yes	C	ED2	88	**$10,214**	V1E (V1)
	20	54	20	45	EDP11S054DN12	Yes	C	ED2	90	**$11,491**	V1E (V1)
	25	70	20	56	EDP11S070DN12	Yes	C	ED2	100	**$12,162**	V1E (V1)
	30	86	25	70	EDP11S086DN12	Yes	D	ED3	230	**$14,321**	V1E (V1)
	40	105	30	86	EDP11S105DN12	Yes	D	ED3	240	**$17,164**	V1E (V1)
	50	142	40	115	EDP11S142DN12	No	E[5]	ED4	300	**$19,793**	V1E (V1)
	60	180	50	142	EDP11S180DN12	No	E[5]	ED4	300	**$25,116**	V1E (V1)
	75	211	60	180	EDP11S211DN12	No	E[5]	ED4	300	**$28,326**	V1E (V1)
	Input Power Supply: Three-Phase 460-480 VAC										
460 VAC	2	3.6	2	3.6	EDP11S003GN12	Yes	A	ED1	36	**$6,510**	V1E (V1)
	3	5.0	3	5.0	EDP11S005GN12	Yes	A	ED1	36	**$6,626**	V1E (V1)
	5	7.0	3	5.5	EDP11S007GN12	Yes	A	ED1	41	**$6,690**	V1E (V1)
	7 1/2	10	5	10	EDP11S010GN12	Yes	A	ED1	42	**$6,756**	V1E (V1)
	10	13.5	7 1/2	11	EDP11S013GN12	Yes	A	ED1	42	**$6,855**	V1E (V1)
	10	17	10	13.5	EDP11S017GN12	Yes	B	ED1	56	**$7,269**	V1E (V1)
	15	24	10	19	EDP11S024GN12	Yes	B	ED1	56	**$7,821**	V1E (V1)
	20	31	15	25	EDP11S031GN12	Yes	B	ED1	56	**$8,580**	V1E (V1)
	25	38	20	33	EDP11S038GN12	Yes	C	ED2	90	**$9,293**	V1E (V1)
	30	45	25	38	EDP11S045GN12	Yes	C	ED2	104	**$10,422**	V1E (V1)
	40	58.5	30	47	EDP11S058GN12	Yes	C	ED2	110	**$12,026**	V1E (V1)
	50/60	70.5	40	61	EDP11S070GN12	Yes	D	ED3	240	**$12,729**	V1E (V1)
	75	88	50	73	EDP11S088GN12	Yes	D	ED3	245	**$14,988**	V1E (V1)
	75	105	75	88	EDP11S105GN12	No	E[5]	ED4	300	**$17,964**	V1E (V1)
	100/125	142	75	115	EDP11S142GN12	No	E[5]	ED4	300	**$20,715**	V1E (V1)
	150	180	100	142	EDP11S180GN12	No	E[5]	ED4	300	**$26,286**	V1E (V1)
	175	211	125	180	EDP11S211GN12	No	E[5]	ED4	300	**$29,645**	V1E (V1)
	200	242	150	211	EDP11S242GN12	No	F[5]	ED6	700	**$40,755**	V1E (V1)
	250	312	200	242	EDP11S312GN12	No	F[5]	ED6	720	**$45,114**	V1E (V1)
	300	370	250	312	EDP11S370GN12	No	F[5]	ED6	750	**$47,743**	V1E (V1)
	400	477	300	370	EDP11S477GN12	No	F[5]	ED6	775	**$54,585**	V1E (V1)
	450	515	400	477	EDP11S515GN12	No	G[5]	ED8	1100	**$66,023**	V1E (V1)
	500	601	450	515	EDP11S601GN12	No	G[5]	ED8	1120	**$71,875**	V1E (V1)
	600	720	500	560	EDP11S720GN12	No	G[6]	ED8	1150	**$88,556**	V1E (V1)
	700	795	550	637	EDP11S795GN12	No	H[6]	ED10	1700	**$109,150**	V1E (V1)
	750	877	600	715	EDP11S877GN12	No	H[6]	ED10	1700	**$116,300**	V1E (V1)
	950	1062	750	855	EDP11S1062GN12	No	H[6]	ED10	1850	**$136,120**	V1E (V1)
	1000	1141	800	943	EDP11S1141GN12	No	H[6]	ED10	1850	**$147,575**	V1E (V1)

Notes:
1) CT (Constant Torque), 150% overload / 60 seconds; VT = Variable Torque (Quadratic Load), 110% overload / 60 seconds.
2) "HP" rating based on "average FLA values". Use as a guide only.
3) Motor FLA may vary with speed and manufacturer. ALWAYS compare motor FLA to nominal amps of drive.
4) ED1 - ED4 enclosures are non-ventilated and wall-mounted; ED6 - ED10 enclosures are ventilated and floor mounted.
5) Maximum 40°C ambient temperature without derating.
6) Maximum 35°C ambient temperature without derating.
7) Dimensions and weights are for estimating purposes only. Only use "AS BUILT" drawings for construction.
For other technical data please refer to WEG product manual.

Please refer to back cover for description of NOTES

For detailed specifications, data sheets, drawings and performance curves visit http://www.weg.net

V.F.D.s and Enclosed Motor Controls

EDP11 - ENGINEERED DRIVE PANEL

Engineered Drive Panel – NEMA 12 Enclosure with By-Pass

Motor Voltage	ND / VT[1]		HD / CT[1]		Catalog Number	Braking Transistor	Drive Frame Size	Enclosure Frame Size [4]	Approx. Weight (lbs) [7]	List Price	Multiplier New (old)
	Motor HP [2]	Drive Amps [3]	Motor HP [2]	Drive Amps [3]							
230 VAC	- Input Power Supply: Three-Phase 220-240 VAC										
	2	7.0	1 1/2	5.5	EDP11S007DN1210000	Yes	A	ED2	36	$8,200	V1E (V1)
	3	10	2	8.0	EDP11S010DN1210000	Yes	A	ED2	36	$8,276	V1E (V1)
	5	13	3	11	EDP11S013DN1210000	Yes	A	ED2	41	$8,375	V1E (V1)
	5	16	5	13	EDP11S016DN1210000	Yes	A	ED2	42	$8,643	V1E (V1)
	7 1/2	24	7 1/2	20	EDP11S024DN1210000	Yes	B	ED2	56	$9,262	V1E (V1)
	10	28	10	24	EDP11S028DN1210000	Yes	B	ED2	56	$10,200	V1E (V1)
	10	33.5	10	28	EDP11S033DN1210000	Yes	B	ED2	56	$11,011	V1E (V1)
	15	45	15	36	EDP11S045DN1210000	Yes	C	ED3	88	$12,316	V1E (V1)
	20	54	20	45	EDP11S054DN1210000	Yes	C	ED3	90	$13,738	V1E (V1)
	25	70	20	56	EDP11S070DN1210000	Yes	C	ED3	100	$14,857	V1E (V1)
	30	86	25	70	EDP11S086DN1210000	Yes	D	ED4	230	$17,016	V1E (V1)
	40	105	30	86	EDP11S105DN1210000	Yes	D	ED4	240	$20,052	V1E (V1)
	50	142	40	115	EDP11S142DN1210000	No	E[5]	ED5	300	$24,778	V1E (V1)
	60	180	50	142	EDP11S180DN1210000	No	E[5]	ED5	300	$31,111	V1E (V1)
	75	211	60	180	EDP11S211DN1210000	No	E[5]	ED5	300	$35,651	V1E (V1)
460 VAC	- Input Power Supply: Three-Phase 460-480 VAC										
	2	3.6	2	3.6	EDP11S003GN1210000	Yes	A	ED2	36	$8,020	V1E (V1)
	3	5.0	3	5.0	EDP11S005GN1210000	Yes	A	ED2	36	$8,136	V1E (V1)
	5	7.0	3	5.5	EDP11S007GN1210000	Yes	A	ED2	41	$8,200	V1E (V1)
	7 1/2	10	5	10	EDP11S010GN1210000	Yes	A	ED2	42	$8,276	V1E (V1)
	10	13.5	7 1/2	11	EDP11S013GN1210000	Yes	A	ED2	42	$8,375	V1E (V1)
	10	17	10	13.5	EDP11S017GN1210000	Yes	B	ED2	56	$8,867	V1E (V1)
	15	24	10	19	EDP11S024GN1210000	Yes	B	ED2	56	$9,613	V1E (V1)
	20	31	15	25	EDP11S031GN1210000	Yes	B	ED2	56	$10,483	V1E (V1)
	25	38	20	33	EDP11S038GN1210000	Yes	C	ED3	90	$11,395	V1E (V1)
	30	45	25	38	EDP11S045GN1210000	Yes	C	ED3	104	$12,669	V1E (V1)
	40	58.5	30	47	EDP11S058GN1210000	Yes	C	ED3	110	$14,721	V1E (V1)
	50/60	70.5	40	61	EDP11S070GN1210000	Yes	D	ED4	240	$15,424	V1E (V1)
	75	88	50	73	EDP11S088GN1210000	Yes	D	ED4	245	$17,876	V1E (V1)
	75	105	75	88	EDP11S105GN1210000	No	E[5]	ED5	300	$21,308	V1E (V1)
	100/125	142	75	115	EDP11S142GN1210000	No	E[5]	ED5	300	$25,700	V1E (V1)
	150	180	100	142	EDP11S180GN1210000	No	E[5]	ED5	300	$32,281	V1E (V1)
	175	211	125	180	EDP11S211GN1210000	No	E[5]	ED5	300	$36,970	V1E (V1)
	200	242	150	211	EDP11S242GN1210000	No	F[5]	ED7	700	$53,334	V1E (V1)
	250	312	200	242	EDP11S312GN1210000	No	F[5]	ED7	720	$59,257	V1E (V1)
	300	370	250	312	EDP11S370GN1210000	No	F[5]	ED7	750	$62,146	V1E (V1)
	400	477	300	370	EDP11S477GN1210000	No	F[5]	ED7	775	$76,618	V1E (V1)
	450	515	400	477	EDP11S515GN1210000	No	G[5]	ED9	1100	$88,056	V1E (V1)
	500	601	450	515	EDP11S601GN1210000	No	G[5]	ED9	1120	$99,447	V1E (V1)
	600	720	500	560	EDP11S720GN1210000	No	G[6]	ED9	1150	$119,944	V1E (V1)

Notes:
1) CT (Constant Torque), 150% overload / 60 seconds; VT = Variable Torque (Quadratic Load), 110% overload / 60 seconds.
2) "HP" rating based on "average FLA values". Use as a guide only.
3) Motor FLA may vary with speed and manufacturer. ALWAYS compare motor FLA to nominal amps of drive.
4) ED1 - ED5 enclosures are non-ventilated and wall-mounted (ED5 - free standing); ED6 - ED9 enclosures are ventilated and floor mounted.
5) Maximum 40°C ambient temperature without derating.
6) Maximum 35°C ambient temperature without derating.
7) Dimensions and weights are for estimating purposes only. Only use "AS BUILT" drawings for construction.
For other technical data please refer to WEG product manual.

V.F.D.s and Enclosed Motor Controls

Please refer to back cover for description of "NOTES"

Engineered Drive Panel – NEMA 12 Enclosure (no By-Pass) with HOA / Pot / TB

Motor Voltage	ND / VT[1]		HD / CT[1]		Catalog Number	Braking Transistor	Drive Frame Size	Enclosure Frame Size [4]	Approx. Weight (lbs) [7]	List Price	Multiplier New (old)
	Motor HP [2]	Drive Amps [3]	Motor HP [2]	Drive Amps [3]							
	Input Power Supply: Three-Phase 220-240 VAC										
230 VAC	2	7.0	1 1/2	5.5	EDP11S007DN1201000	Yes	A	ED1	36	**$7,453**	V1E (V1)
	3	10	2	8.0	EDP11S010DN1201000	Yes	A	ED1	36	**$7,519**	V1E (V1)
	5	13	3	11	EDP11S013DN1201000	Yes	A	ED1	41	**$7,618**	V1E (V1)
	5	16	5	13	EDP11S016DN1201000	Yes	A	ED1	42	**$7,886**	V1E (V1)
	7 1/2	24	7 1/2	20	EDP11S024DN1201000	Yes	B	ED1	56	**$8,427**	V1E (V1)
	10	28	10	24	EDP11S028DN1201000	Yes	B	ED1	56	**$9,171**	V1E (V1)
	10	33.5	10	28	EDP11S033DN1201000	Yes	B	ED1	56	**$9,871**	V1E (V1)
	15	45	15	36	EDP11S045DN1201000	Yes	C	ED2	88	**$10,977**	V1E (V1)
	20	54	20	45	EDP11S054DN1201000	Yes	C	ED2	90	**$12,254**	V1E (V1)
	25	70	20	56	EDP11S070DN1201000	Yes	C	ED2	100	**$12,925**	V1E (V1)
	30	86	25	70	EDP11S086DN1201000	Yes	D	ED3	230	**$15,084**	V1E (V1)
	40	105	30	86	EDP11S105DN1201000	Yes	D	ED3	240	**$17,927**	V1E (V1)
	50	142	40	115	EDP11S142DN1201000	No	E[5]	ED4	300	**$20,556**	V1E (V1)
	60	180	50	142	EDP11S180DN1201000	No	E[5]	ED4	300	**$25,879**	V1E (V1)
	75	211	60	180	EDP11S211DN1201000	No	E[5]	ED4	300	**$29,089**	V1E (V1)
	Input Power Supply: Three-Phase 460-480 VAC										
460 VAC	2	3.6	2	3.6	EDP11S003GN1201000	Yes	A	ED1	36	**$7,273**	V1E (V1)
	3	5.0	3	5.0	EDP11S005GN1201000	Yes	A	ED1	36	**$7,389**	V1E (V1)
	5	7.0	3	5.5	EDP11S007GN1201000	Yes	A	ED1	41	**$7,453**	V1E (V1)
	7 1/2	10	5	10	EDP11S010GN1201000	Yes	A	ED1	42	**$7,519**	V1E (V1)
	10	13.5	7 1/2	11	EDP11S013GN1201000	Yes	A	ED1	42	**$7,618**	V1E (V1)
	10	17	10	13.5	EDP11S017GN1201000	Yes	B	ED1	56	**$8,032**	V1E (V1)
	15	24	10	19	EDP11S024GN1201000	Yes	B	ED1	56	**$8,584**	V1E (V1)
	20	31	15	25	EDP11S031GN1201000	Yes	B	ED1	56	**$9,343**	V1E (V1)
	25	38	20	33	EDP11S038GN1201000	Yes	C	ED2	90	**$10,056**	V1E (V1)
	30	45	25	38	EDP11S045GN1201000	Yes	C	ED2	104	**$11,185**	V1E (V1)
	40	58.5	30	47	EDP11S058GN1201000	Yes	C	ED2	110	**$12,789**	V1E (V1)
	50/60	70.5	40	61	EDP11S070GN1201000	Yes	D	ED3	240	**$13,492**	V1E (V1)
	75	88	50	73	EDP11S088GN1201000	Yes	D	ED3	245	**$15,751**	V1E (V1)
	75	105	75	88	EDP11S105GN1201000	No	E[5]	ED4	300	**$18,727**	V1E (V1)
	100/125	142	75	115	EDP11S142GN1201000	No	E[5]	ED4	300	**$21,478**	V1E (V1)
	150	180	100	142	EDP11S180GN1201000	No	E[5]	ED4	300	**$27,049**	V1E (V1)
	175	211	125	180	EDP11S211GN1201000	No	E[5]	ED4	300	**$30,408**	V1E (V1)
	200	242	150	211	EDP11S242GN1201000	No	F[5]	ED6	700	**$41,613**	V1E (V1)
	250	312	200	242	EDP11S312GN1201000	No	F[5]	ED6	720	**$45,972**	V1E (V1)
	300	370	250	312	EDP11S370GN1201000	No	F[5]	ED6	750	**$48,601**	V1E (V1)
	400	477	300	370	EDP11S477GN1201000	No	F[5]	ED6	775	**$55,443**	V1E (V1)
	450	515	400	477	EDP11S515GN1201000	No	G[5]	ED8	1100	**$66,881**	V1E (V1)
	500	601	450	515	EDP11S601GN1201000	No	G[5]	ED8	1120	**$72,733**	V1E (V1)
	600	720	500	560	EDP11S720GN1201000	No	G[6]	ED8	1150	**$89,414**	V1E (V1)
	700	795	550	637	EDP11S795GN1201000	No	H[6]	ED10	1700	**$110,008**	V1E (V1)
	750	877	600	715	EDP11S877GN1201000	No	H[6]	ED10	1700	**$117,158**	V1E (V1)
	950	1062	750	855	EDP11S1062GN1201000	No	H[6]	ED10	1850	**$136,978**	V1E (V1)
	1000	1141	800	943	EDP11S1141GN1201000	No	H[6]	ED10	1850	**$148,433**	V1E (V1)

Notes:
1) CT (Constant Torque), 150% overload / 60 seconds; VT = Variable Torque (Quadratic Load), 110% overload / 60 seconds.
2) "HP" rating based on "average FLA values". Use as a guide only.
3) Motor FLA may vary with speed and manufacturer. ALWAYS compare motor FLA to nominal amps of drive.
4) ED1 - ED4 enclosures are non-ventilated and wall-mounted; ED6 - ED10 enclosures are ventilated and floor mounted.
5) Maximum 40°C ambient temperature without derating
6) Maximum 35°C ambient temperature without derating
7) Dimensions and weights are for estimating purposes only. Only use "AS BUILT" drawings for construction.
Please refer to technical data please refer to WEG product manual.

For detailed specifications, data sheets, drawings and performance curves visit http://www.weg.net

EDP11 - ENGINEERED DRIVE PANEL

Engineered Drive Panel – NEMA 12 Enclosure with By-Pass and HOA / Pot / TB

Motor Voltage	ND / VT[1]		HD / CT[1]		Catalog Number	Braking Transistor	Drive Frame Size	Enclosure Frame Size [4]	Approx. Weight (lbs) [7]	List Price	Multiplier New (old)
	Motor HP [2]	Drive Amps [3]	Motor HP [2]	Drive Amps [3]							
	Input Power Supply: Three-Phase 220-240 VAC										
230 VAC	2	7.0	1 1/2	5.5	EDP11S007DN1211000	Yes	A	ED2	36	**$8,963**	V1E (V1)
	3	10	2	8.0	EDP11S010DN1211000	Yes	A	ED2	36	**$9,039**	V1E (V1)
	5	13	3	11	EDP11S013DN1211000	Yes	A	ED2	41	**$9,138**	V1E (V1)
	5	16	5	13	EDP11S016DN1211000	Yes	A	ED2	42	**$9,406**	V1E (V1)
	7 1/2	24	7 1/2	20	EDP11S024DN1211000	Yes	B	ED2	56	**$10,025**	V1E (V1)
	10	28	10	24	EDP11S028DN1211000	Yes	B	ED2	56	**$10,963**	V1E (V1)
	10	33.5	10	28	EDP11S033DN1211000	Yes	B	ED2	56	**$11,774**	V1E (V1)
	15	45	15	36	EDP11S045DN1211000	Yes	C	ED3	88	**$13,079**	V1E (V1)
	20	54	20	45	EDP11S054DN1211000	Yes	C	ED3	90	**$14,501**	V1E (V1)
	25	70	20	56	EDP11S070DN1211000	Yes	C	ED3	100	**$15,620**	V1E (V1)
	30	86	25	70	EDP11S086DN1211000	Yes	D	ED4	230	**$17,779**	V1E (V1)
	40	105	30	86	EDP11S105DN1211000	Yes	D	ED4	240	**$20,815**	V1E (V1)
	50	142	40	115	EDP11S142DN1211000	No	E[5]	ED5	300	**$25,541**	V1E (V1)
	60	180	50	142	EDP11S180DN1211000	No	E[5]	ED5	300	**$31,874**	V1E (V1)
	75	211	60	180	EDP11S211DN1211000	No	E[5]	ED5	300	**$36,414**	V1E (V1)
	Input Power Supply: Three-Phase 460-480 VAC										
460 VAC	2	3.6	2	3.6	EDP11S003GN1211000	Yes	A	ED2	36	**$8,783**	V1E (V1)
	3	5.0	3	5.0	EDP11S005GN1211000	Yes	A	ED2	36	**$8,899**	V1E (V1)
	5	7.0	3	5.5	EDP11S007GN1211000	Yes	A	ED2	41	**$8,963**	V1E (V1)
	7 1/2	10	5	10	EDP11S010GN1211000	Yes	A	ED2	42	**$9,039**	V1E (V1)
	10	13.5	7 1/2	11	EDP11S013GN1211000	Yes	A	ED2	42	**$9,138**	V1E (V1)
	10	17	10	13.5	EDP11S017GN1211000	Yes	B	ED2	56	**$9,630**	V1E (V1)
	15	24	10	19	EDP11S024GN1211000	Yes	B	ED2	56	**$10,376**	V1E (V1)
	20	31	15	25	EDP11S031GN1211000	Yes	B	ED2	56	**$11,246**	V1E (V1)
	25	38	20	33	EDP11S038GN1211000	Yes	C	ED3	90	**$12,158**	V1E (V1)
	30	45	25	38	EDP11S045GN1211000	Yes	C	ED3	104	**$13,432**	V1E (V1)
	40	58.5	30	47	EDP11S058GN1211000	Yes	C	ED3	110	**$15,484**	V1E (V1)
	50/60	70.5	40	61	EDP11S070GN1211000	Yes	D	ED4	240	**$16,187**	V1E (V1)
	75	88	50	73	EDP11S088GN1211000	Yes	D	ED4	245	**$18,639**	V1E (V1)
	75	105	75	88	EDP11S105GN1211000	No	E[5]	ED5	300	**$22,071**	V1E (V1)
	100/125	142	75	115	EDP11S142GN1211000	No	E[5]	ED5	300	**$26,463**	V1E (V1)
	150	180	100	142	EDP11S180GN1211000	No	E[5]	ED5	300	**$33,044**	V1E (V1)
	175	211	125	180	EDP11S211GN1211000	No	E[5]	ED5	300	**$37,733**	V1E (V1)
	200	242	150	211	EDP11S242GN1211000	No	F[5]	ED7	700	**$54,097**	V1E (V1)
	250	312	200	242	EDP11S312GN1211000	No	F[5]	ED7	720	**$60,115**	V1E (V1)
	300	370	250	312	EDP11S370GN1211000	No	F[5]	ED7	750	**$63,004**	V1E (V1)
	400	477	300	370	EDP11S477GN1211000	No	F[5]	ED7	775	**$77,476**	V1E (V1)
	450	515	400	477	EDP11S515GN1211000	No	G[5]	ED9	1100	**$88,914**	V1E (V1)
	500	601	450	515	EDP11S601GN1211000	No	G[5]	ED9	1120	**$100,305**	V1E (V1)
	600	720	500	560	EDP11S720GN1211000	No	G[6]	ED9	1150	**$120,802**	V1E (V1)

Notes:
1) CT (Constant Torque), 150% overload / 60 seconds; VT = Variable Torque (Quadratic Load), 110% overload / 60 seconds.
2) "HP" rating based on "average FLA values". Use as a guide only.
3) Motor FLA may vary with speed and manufacturer. ALWAYS compare motor FLA to nominal amps of drive.
4) ED1 - ED4 enclosures are non-ventilated and wall-mounted; ED6 - ED10 enclosures are ventilated and floor mounted.
5) Maximum 45°C ambient temperature without derating.
6) Maximum 40°C ambient temperature without derating.
7) Maximum 35°C ambient temperature without derating.

Please refer to back cover for description of "NOTES"
For detailed specifications, data sheets, drawings and performance curves visit http:// www.weg.net

Engineered Drive Panel – NEMA 3R Enclosure (no By-Pass)

Motor Voltage	ND / VT[1]		HD / CT[1]		Catalog Number	Braking Transistor	Drive Frame Size	Enclosure Frame Size [4]	Approx. Weight (lbs) [7]	List Price	Multiplier New (old)
	Motor HP [2]	Drive Amps [3]	Motor HP [2]	Drive Amps [3]							
230 VAC	Input Power Supply: Three-Phase 220-240 VAC										
	2	7.0	1 1/2	5.5	EDP11S007DN3R	Yes	A[5]	ED1	36	$8,521	V1E (V1)
	3	10	2	8.0	EDP11S010DN3R	Yes	A[5]	ED1	36	$8,587	V1E (V1)
	5	13	3	11	EDP11S013DN3R	Yes	A[5]	ED1	41	$8,686	V1E (V1)
	5	16	5	13	EDP11S016DN3R	Yes	A[5]	ED1	42	$8,918	V1E (V1)
	7 1/2	24	7 1/2	20	EDP11S024DN3R	Yes	B[5]	ED1	56	$9,459	V1E (V1)
	10	28	10	24	EDP11S028DN3R	Yes	B[5]	ED1	56	$10,202	V1E (V1)
	10	33.5	10	28	EDP11S033DN3R	Yes	B[5]	ED1	56	$10,902	V1E (V1)
	15	45	15	36	EDP11S045DN3R	Yes	C[5]	ED2	88	$12,122	V1E (V1)
	20	54	20	45	EDP11S054DN3R	Yes	C[5]	ED2	90	$13,400	V1E (V1)
	25	70	20	56	EDP11S070DN3R	Yes	C[5]	ED2	100	$14,162	V1E (V1)
	30	86	25	70	EDP11S086DN3R	Yes	D[5]	ED3	230	$16,320	V1E (V1)
	40	105	30	86	EDP11S105DN3R	Yes	D[5]	ED3	240	$19,338	V1E (V1)
	50	142	40	115	EDP11S142DN3R	No	E[6]	ED4	300	$21,967	V1E (V1)
	60	180	50	142	EDP11S180DN3R	No	E[6]	ED4	300	$27,290	V1E (V1)
	75	211	60	180	EDP11S211DN3R	No	E[6]	ED4	300	$30,499	V1E (V1)
460 VAC	Input Power Supply: Three-Phase 460-480 VAC										
	2	3.6	2	3.6	EDP11S003GN3R	Yes	A[5]	ED1	36	$8,341	V1E (V1)
	3	5.0	3	5.0	EDP11S005GN3R	Yes	A[5]	ED1	36	$8,457	V1E (V1)
	5	7.0	3	5.5	EDP11S007GN3R	Yes	A[5]	ED1	41	$8,521	V1E (V1)
	7 1/2	10	5	10	EDP11S010GN3R	Yes	A[5]	ED1	42	$8,587	V1E (V1)
	10	13.5	7 1/2	11	EDP11S013GN3R	Yes	A[5]	ED1	42	$8,686	V1E (V1)
	10	17	10	13.5	EDP11S017GN3R	Yes	B[5]	ED1	56	$9,100	V1E (V1)
	15	24	10	19	EDP11S024GN3R	Yes	B[5]	ED1	56	$9,652	V1E (V1)
	20	31	15	25	EDP11S031GN3R	Yes	B[5]	ED1	56	$10,411	V1E (V1)
	25	38	20	33	EDP11S038GN3R	Yes	C[5]	ED2	90	$11,125	V1E (V1)
	30	45	25	38	EDP11S045GN3R	Yes	C[5]	ED2	104	$12,369	V1E (V1)
	40	58.5	30	47	EDP11S058GN3R	Yes	C[5]	ED2	110	$13,673	V1E (V1)
	50/60	70.5	40	61	EDP11S070GN3R	Yes	D[5]	ED3	240	$14,451	V1E (V1)
	75	88	50	73	EDP11S088GN3R	Yes	D[5]	ED3	245	$16,653	V1E (V1)
	75	105	75	88	EDP11S105GN3R	No	E[6]	ED4	300	$19,733	V1E (V1)
	100/125	142	75	115	EDP11S142GN3R	No	E[6]	ED4	300	$22,415	V1E (V1)
	150	180	100	142	EDP11S180GN3R	No	E[6]	ED4	300	$27,847	V1E (V1)
	175	211	125	180	EDP11S211GN3R	No	E[6]	ED4	300	$31,122	V1E (V1)
	200	242	150	211	EDP11S242GN3R	No	F[6]	ED6	700	$45,693	V1E (V1)
	250	312	200	242	EDP11S312GN3R	No	F[6]	ED6	720	$50,053	V1E (V1)
	300	370	250	312	EDP11S370GN3R	No	F[6]	ED6	750	$52,682	V1E (V1)
	400	477	300	370	EDP11S477GN3R	No	F[6]	ED6	775	$59,523	V1E (V1)
	450	515	400	477	EDP11S515GN3R	No	G[6]	ED8	1100	$71,976	V1E (V1)
	500	601	450	515	EDP11S601GN3R	No	G[6]	ED8	1120	$77,828	V1E (V1)
	600	720	500	560	EDP11S720GN3R	No	G[7]	ED8	1150	$94,509	V1E (V1)
	700	795	550	637	EDP11S795GN3R	No	H[7]	ED10	1700	$116,480	V1E (V1)
	750	877	600	715	EDP11S877GN3R	No	H[7]	ED10	1700	$123,630	V1E (V1)
	950	1062	750	855	EDP11S1062GN3R	No	H[7]	ED10	1850	$142,890	V1E (V1)
	1000	1141	800	943	EDP11S1141GN3R	No	H[7]	ED10	1850	$154,345	V1E (V1)

Notes:
1) CT (Constant Torque), 150% overload / 60 seconds; VT = Variable Torque (Quadratic Load), 110% overload / 60 seconds.
2) "HP" rating based on "average FLA values". Use as a guide only.
3) Motor FLA may vary with speed and manufacturer. ALWAYS compare motor FLA to nominal amps of drive.
4) ED1 - ED4 enclosures are non-ventilated and wall-mounted; ED6 - ED10 enclosures are ventilated and floor mounted.
5) Maximum 45°C ambient temperature without derating.
6) Maximum 40°C ambient temperature without derating.
7) Maximum 35°C ambient temperature without derating.
8) Dimensions and weights are for estimating purposes only. Only use "AS BUILT" drawings for construction.
For other technical data please refer to WEG product manual.

For detailed specifications, data sheets, drawings and performance curves visit http://www.weg.net

EDP11 - ENGINEERED DRIVE PANEL

Engineered Drive Panel – NEMA 3R Enclosure with By-Pass

Motor Voltage	ND / VT[1]		HD / CT[1]		Catalog Number	Braking Transistor	Drive Frame Size	Enclosure Frame Size [4]	Approx. Weight (lbs) [7]	List Price	Multiplier New (old)
	Motor HP [2]	Drive Amps[3]	Motor HP [2]	Drive Amps [3]							
230 VAC	Input Power Supply: Three-Phase 220-240 VAC										
	2	7.0	1 1/2	5.5	EDP11S007DN3R10000	Yes	A[5]	ED2	36	**$10,031**	V1E (V1)
	3	10	2	8.0	EDP11S010DN3R10000	Yes	A[5]	ED2	36	**$10,107**	V1E (V1)
	5	13	3	11	EDP11S013DN3R10000	Yes	A[5]	ED2	41	**$10,206**	V1E (V1)
	5	16	5	13	EDP11S016DN3R10000	Yes	A[5]	ED2	42	**$10,438**	V1E (V1)
	7 1/2	24	7 1/2	20	EDP11S024DN3R10000	Yes	B[5]	ED2	56	**$11,057**	V1E (V1)
	10	28	10	24	EDP11S028DN3R10000	Yes	B[5]	ED2	56	**$11,994**	V1E (V1)
	10	33.5	10	28	EDP11S033DN3R10000	Yes	B[5]	ED2	56	**$12,805**	V1E (V1)
	15	45	15	36	EDP11S045DN3R10000	Yes	C[5]	ED3	88	**$14,224**	V1E (V1)
	20	54	20	45	EDP11S054DN3R10000	Yes	C[5]	ED3	90	**$15,647**	V1E (V1)
	25	70	20	56	EDP11S070DN3R10000	Yes	C[5]	ED3	100	**$16,857**	V1E (V1)
	30	86	25	70	EDP11S086DN3R10000	Yes	D[5]	ED4	230	**$19,015**	V1E (V1)
	40	105	30	86	EDP11S105DN3R10000	Yes	D[5]	ED4	240	**$22,226**	V1E (V1)
	50	142	40	115	EDP11S142DN3R10000	No	E[6]	ED5	300	**$26,952**	V1E (V1)
	60	180	50	142	EDP11S180DN3R10000	No	E[6]	ED5	300	**$33,285**	V1E (V1)
	75	211	60	180	EDP11S211DN3R10000	No	E[6]	ED5	300	**$37,824**	V1E (V1)
460 VAC	Input Power Supply: Three-Phase 460-480 VAC										
	2	3.6	2	3.6	EDP11S003GN3R10000	Yes	A[5]	ED2	36	**$9,851**	V1E (V1)
	3	5.0	3	5.0	EDP11S005GN3R10000	Yes	A[5]	ED2	36	**$9,967**	V1E (V1)
	5	7.0	3	5.5	EDP11S007GN3R10000	Yes	A[5]	ED2	41	**$10,031**	V1E (V1)
	7 1/2	10	5	10	EDP11S010GN3R10000	Yes	A[5]	ED2	42	**$10,107**	V1E (V1)
	10	13.5	7 1/2	11	EDP11S013GN3R10000	Yes	A[5]	ED2	42	**$10,206**	V1E (V1)
	10	17	10	13.5	EDP11S017GN3R10000	Yes	B[5]	ED2	56	**$10,698**	V1E (V1)
	15	24	10	19	EDP11S024GN3R10000	Yes	B[5]	ED2	56	**$11,444**	V1E (V1)
	20	31	15	25	EDP11S031GN3R10000	Yes	B[5]	ED2	56	**$12,314**	V1E (V1)
	25	38	20	33	EDP11S038GN3R10000	Yes	C[5]	ED3	90	**$13,227**	V1E (V1)
	30	45	25	38	EDP11S045GN3R10000	Yes	C[5]	ED3	104	**$14,616**	V1E (V1)
	40	58.5	30	47	EDP11S058GN3R10000	Yes	C[5]	ED3	110	**$16,368**	V1E (V1)
	50/60	70.5	40	61	EDP11S070GN3R10000	Yes	D[5]	ED4	240	**$17,146**	V1E (V1)
	75	88	50	73	EDP11S088GN3R10000	Yes	D[5]	ED4	245	**$19,541**	V1E (V1)
	75	105	75	88	EDP11S105GN3R10000	No	E[6]	ED5	300	**$23,077**	V1E (V1)
	100/125	142	75	115	EDP11S142GN3R10000	No	E[6]	ED5	300	**$27,400**	V1E (V1)
	150	180	100	142	EDP11S180GN3R10000	No	E[6]	ED5	300	**$33,842**	V1E (V1)
	175	211	125	180	EDP11S211GN3R10000	No	E[6]	ED5	300	**$38,447**	V1E (V1)
	200	242	150	211	EDP11S242GN3R10000	No	F[6]	ED7	700	**$58,272**	V1E (V1)
	250	312	200	242	EDP11S312GN3R10000	No	F[6]	ED7	720	**$64,196**	V1E (V1)
	300	370	250	312	EDP11S370GN3R10000	No	F[6]	ED7	750	**$67,085**	V1E (V1)
	400	477	300	370	EDP11S477GN3R10000	No	F[6]	ED7	775	**$81,556**	V1E (V1)
	450	515	400	477	EDP11S515GN3R10000	No	G[6]	ED9	1100	**$94,009**	V1E (V1)
	500	601	450	515	EDP11S601GN3R10000	No	G[6]	ED9	1120	**$105,400**	V1E (V1)
	600	720	500	560	EDP11S720GN3R10000	No	G[7]	ED9	1150	**$125,897**	V1E (V1)

Notes:
1) CT (Constant Torque), 150% overload / 60 seconds; VT = Variable Torque (Quadratic Load), 110% overload / 60 seconds.
2) "HP" rating based on "average FLA values". Use as a guide only.
3) Motor FLA may vary with speed and manufacturer. ALWAYS compare motor FLA to nominal amps of drive.
4) ED1 - ED5 enclosures are non-ventilated and wall-mounted (ED5 - free standing); ED6 - ED9 enclosures are ventilated and floor mounted.
5) Maximum 45°C ambient temperature without derating.
6) Maximum 40°C ambient temperature without derating.
7) Maximum 35°C ambient temperature without derating
8) Dimensions and weights are for estimating purposes only. Only use "AS BUILT" drawings for construction.
For other technical data please refer to WEG product manual.

Please refer to back cover for description of "NOTES"

For detailed specifications, data sheets, drawings and performance curves visit http:// www.weg.net

Engineered Drive Panel – NEMA 3R Enclosure (no By-Pass) with HOA / Pot / TB

Motor Voltage	ND / VT[1]		HD / CT[1]		Catalog Number	Braking Transistor	Drive Frame Size	Enclosure Frame Size [4]	Approx. Weight (lbs) [7]	List Price	Multiplier New (old)
	Motor HP[2]	Drive Amps[3]	Motor HP[2]	Drive Amps[3]							
230 VAC	**Input Power Supply: Three-Phase 220-240 VAC**										
	2	7.0	1 1/2	5.5	EDP11S007DN3R01000	Yes	A[5]	ED1	36	$9,284	V1E (V1)
	3	10	2	8.0	EDP11S010DN3R01000	Yes	A[5]	ED1	36	$9,350	V1E (V1)
	5	13	3	11	EDP11S013DN3R01000	Yes	A[5]	ED1	41	$9,449	V1E (V1)
	5	16	5	13	EDP11S016DN3R01000	Yes	A[5]	ED1	42	$9,681	V1E (V1)
	7 1/2	24	7 1/2	20	EDP11S024DN3R01000	Yes	B[5]	ED1	56	$10,222	V1E (V1)
	10	28	10	24	EDP11S028DN3R01000	Yes	B[5]	ED1	56	$10,965	V1E (V1)
	10	33.5	10	28	EDP11S033DN3R01000	Yes	B[5]	ED1	56	$11,665	V1E (V1)
	15	45	15	36	EDP11S045DN3R01000	Yes	C[5]	ED2	88	$12,885	V1E (V1)
	20	54	20	45	EDP11S054DN3R01000	Yes	C[5]	ED2	90	$14,163	V1E (V1)
	25	70	20	56	EDP11S070DN3R01000	Yes	C[5]	ED2	100	$14,925	V1E (V1)
	30	86	25	70	EDP11S086DN3R01000	Yes	D[5]	ED3	230	$17,083	V1E (V1)
	40	105	30	86	EDP11S105DN3R01000	Yes	D[5]	ED3	240	$20,101	V1E (V1)
	50	142	40	115	EDP11S142DN3R01000	No	E[6]	ED4	300	$22,730	V1E (V1)
	60	180	50	142	EDP11S180DN3R01000	No	E[6]	ED4	300	$28,053	V1E (V1)
	75	211	60	180	EDP11S211DN3R01000	No	E[6]	ED4	300	$31,262	V1E (V1)
460 VAC	**Input Power Supply: Three-Phase 460-480 VAC**										
	2	3.6	2	3.6	EDP11S003GN3R01000	Yes	A[5]	ED1	36	$9,104	V1E (V1)
	3	5.0	3	5.0	EDP11S005GN3R01000	Yes	A[5]	ED1	36	$9,220	V1E (V1)
	5	7.0	3	5.5	EDP11S007GN3R01000	Yes	A[5]	ED1	41	$9,284	V1E (V1)
	7 1/2	10	5	10	EDP11S010GN3R01000	Yes	A[5]	ED1	42	$9,350	V1E (V1)
	10	13.5	7 1/2	11	EDP11S013GN3R01000	Yes	A[5]	ED1	42	$9,449	V1E (V1)
	10	17	10	13.5	EDP11S017GN3R01000	Yes	B[5]	ED1	56	$9,863	V1E (V1)
	15	24	10	19	EDP11S024GN3R01000	Yes	B[5]	ED1	56	$10,415	V1E (V1)
	20	31	15	25	EDP11S031GN3R01000	Yes	B[5]	ED1	56	$11,174	V1E (V1)
	25	38	20	33	EDP11S038GN3R01000	Yes	C[5]	ED2	90	$11,888	V1E (V1)
	30	45	25	38	EDP11S045GN3R01000	Yes	C[5]	ED2	104	$13,132	V1E (V1)
	40	58.5	30	47	EDP11S058GN3R01000	Yes	C[5]	ED2	110	$14,436	V1E (V1)
	50/60	70.5	40	61	EDP11S070GN3R01000	Yes	D[5]	ED3	240	$15,214	V1E (V1)
	75	88	50	73	EDP11S088GN3R01000	Yes	D[5]	ED3	245	$17,416	V1E (V1)
	75	105	75	88	EDP11S105GN3R01000	No	E[6]	ED4	300	$20,496	V1E (V1)
	100/125	142	75	115	EDP11S142GN3R01000	No	E[6]	ED4	300	$23,178	V1E (V1)
	150	180	100	142	EDP11S180GN3R01000	No	E[6]	ED4	300	$28,610	V1E (V1)
	175	211	125	180	EDP11S211GN3R01000	No	E[6]	ED4	300	$31,885	V1E (V1)
	200	242	150	211	EDP11S242GN3R01000	No	F[6]	ED6	700	$46,456	V1E (V1)
	250	312	200	242	EDP11S312GN3R01000	No	F[6]	ED6	720	$50,911	V1E (V1)
	300	370	250	312	EDP11S370GN3R01000	No	F[6]	ED6	750	$53,540	V1E (V1)
	400	477	300	370	EDP11S477GN3R01000	No	F[6]	ED6	775	$60,381	V1E (V1)
	450	515	400	477	EDP11S515GN3R01000	No	G[6]	ED8	1100	$72,834	V1E (V1)
	500	601	450	515	EDP11S601GN3R01000	No	G[6]	ED8	1120	$78,686	V1E (V1)
	600	720	500	560	EDP11S720GN3R01000	No	G[7]	ED8	1150	$95,367	V1E (V1)
	700	795	550	637	EDP11S795GN3R01000	No	H[7]	ED10	1700	$117,338	V1E (V1)
	750	877	600	715	EDP11S877GN3R01000	No	H[7]	ED10	1700	$124,488	V1E (V1)
	950	1062	750	855	EDP11S1062GN3R01000	No	H[7]	ED10	1850	$143,748	V1E (V1)
	1000	1141	800	943	EDP11S1141GN3R01000	No	H[7]	ED10	1850	$155,203	V1E (V1)

Notes:
1) CT (Constant Torque), 150% overload / 60 seconds; VT = Variable Torque (Quadratic Load), 110% overload / 60 seconds.
2) "HP" rating based on "average FLA values". Use as a guide only.
3) Motor FLA may vary with speed and manufacturer. ALWAYS compare motor FLA to nominal amps of drive.
4) ED1 - ED4 enclosures are non-ventilated and wall-mounted; ED6 - ED10 enclosures are ventilated and floor mounted.
5) Maximum 45°C ambient temperature without derating.
6) Maximum 40°C ambient temperature without derating.
7) Maximum 35°C ambient temperature without derating.
8) Dimensions and weights are for estimating purposes only. Only use "AS BUILT" drawings for construction.
For other technical data please refer to WEG product manual.

EDP11 panels highlighted in GREEN represent panels that are normally kept in stock.

EDP11 - ENGINEERED DRIVE PANEL

Engineered Drive Panel – NEMA 3R Enclosure with By-Pass and HOA / Pot / TB

Motor Voltage	ND / VT[1]		HD / CT[1]		Catalog Number	Braking Transistor	Drive Frame Size	Enclosure Frame Size[4]	Approx. Weight (lbs)[7]	List Price	Multiplier New (old)
	Motor HP[2]	Drive Amps[3]	Motor HP[2]	Drive Amps[3]							
230 VAC	Input Power Supply: Three-Phase 220-240 VAC										
	2	7.0	1 1/2	5.5	EDP11S007DN3R11000	Yes	A[5]	ED2	36	$10,794	V1E (V1)
	3	10	2	8.0	EDP11S010DN3R11000	Yes	A[5]	ED2	36	$10,870	V1E (V1)
	5	13	3	11	EDP11S013DN3R11000	Yes	A[5]	ED2	41	$10,969	V1E (V1)
	5	16	5	13	EDP11S016DN3R11000	Yes	A[5]	ED2	42	$11,201	V1E (V1)
	7 1/2	24	7 1/2	20	EDP11S024DN3R11000	Yes	B[5]	ED2	56	$11,820	V1E (V1)
	10	28	10	24	EDP11S028DN3R11000	Yes	B[5]	ED2	56	$12,757	V1E (V1)
	10	33.5	10	28	EDP11S033DN3R11000	Yes	B[5]	ED2	56	$13,568	V1E (V1)
	15	45	15	36	EDP11S045DN3R11000	Yes	C[5]	ED3	88	$14,987	V1E (V1)
	20	54	20	45	EDP11S054DN3R11000	Yes	C[5]	ED3	90	$16,410	V1E (V1)
	25	70	20	56	EDP11S070DN3R11000	Yes	C[5]	ED3	100	$17,620	V1E (V1)
	30	86	25	70	EDP11S086DN3R11000	Yes	D[5]	ED4	230	$19,778	V1E (V1)
	40	105	30	86	EDP11S105DN3R11000	Yes	D[5]	ED4	240	$22,989	V1E (V1)
	50	142	40	115	EDP11S142DN3R11000	No	E[6]	ED5	300	$27,715	V1E (V1)
	60	180	50	142	EDP11S180DN3R11000	No	E[6]	ED5	300	$34,048	V1E (V1)
	75	211	60	180	EDP11S211DN3R11000	No	E[6]	ED5	300	$38,587	V1E (V1)
460 VAC	Input Power Supply: Three-Phase 460-480 VAC										
	2	3.6	2	3.6	EDP11S003GN3R11000	Yes	A[5]	ED2	36	$10,614	V1E (V1)
	3	5.0	3	5.0	EDP11S005GN3R11000	Yes	A[5]	ED2	36	$10,730	V1E (V1)
	5	7.0	3	5.5	EDP11S007GN3R11000	Yes	A[5]	ED2	41	$10,794	V1E (V1)
	7 1/2	10	5	10	EDP11S010GN3R11000	Yes	A[5]	ED2	42	$10,870	V1E (V1)
	10	13.5	7 1/2	11	EDP11S013GN3R11000	Yes	A[5]	ED2	42	$10,969	V1E (V1)
	10	17	10	13.5	EDP11S017GN3R11000	Yes	B[5]	ED2	56	$11,461	V1E (V1)
	15	24	10	19	EDP11S024GN3R11000	Yes	B[5]	ED2	56	$12,207	V1E (V1)
	20	31	15	25	EDP11S031GN3R11000	Yes	B[5]	ED2	56	$13,077	V1E (V1)
	25	38	20	33	EDP11S038GN3R11000	Yes	C[5]	ED3	90	$13,873	V1E (V1)
	30	45	25	38	EDP11S045GN3R11000	Yes	C[5]	ED3	104	$15,233	V1E (V1)
	40	58.5	30	47	EDP11S058GN3R11000	Yes	C[5]	ED3	110	$16,683	V1E (V1)
	50/60	70.5	40	61	EDP11S070GN3R11000	Yes	D[5]	ED4	240	$17,909	V1E (V1)
	75	88	50	73	EDP11S088GN3R11000	Yes	D[5]	ED4	245	$20,304	V1E (V1)
	75	105	75	88	EDP11S105GN3R11000	No	E[6]	ED5	300	$23,840	V1E (V1)
	100/125	142	75	115	EDP11S142GN3R11000	No	E[6]	ED5	300	$28,163	V1E (V1)
	150	180	100	142	EDP11S180GN3R11000	No	E[6]	ED5	300	$34,605	V1E (V1)
	175	211	125	180	EDP11S211GN3R11000	No	E[6]	ED5	300	$39,210	V1E (V1)
	200	242	150	211	EDP11S242GN3R11000	No	F[6]	ED7	700	$59,035	V1E (V1)
	250	312	200	242	EDP11S312GN3R11000	No	F[6]	ED7	720	$65,054	V1E (V1)
	300	370	250	312	EDP11S370GN3R11000	No	F[6]	ED7	750	$67,943	V1E (V1)
	400	477	300	370	EDP11S477GN3R11000	No	F[6]	ED7	775	$82,414	V1E (V1)
	450	515	400	477	EDP11S515GN3R11000	No	G[6]	ED9	1100	$94,867	V1E (V1)
	500	601	450	515	EDP11S601GN3R11000	No	G[6]	ED9	1120	$106,258	V1E (V1)
	600	720	500	560	EDP11S720GN3R11000	No	G[7]	ED9	1150	$126,755	V1E (V1)

Notes:
1) CT (Constant Torque), 150% overload / 60 seconds; VT = Variable Torque (Quadratic Load), 110% overload / 60 seconds.
2) "HP" rating based on "average FLA values". Use as a guide only.
3) Motor FLA may vary with speed and manufacturer. ALWAYS compare motor FLA to nominal amps of drive.
4) ED1 - ED5 enclosures are non-ventilated and wall-mounted (ED5 - free standing); ED6 - ED9 enclosures are ventilated and floor mounted.
5) Maximum 45°C ambient temperature without derating.
6) Maximum 40°C ambient temperature without derating.
7) Maximum 35°C ambient temperature without derating.
8) Dimensions and weights are for estimating purposes only. Only use "AS BUILT" drawings for construction.
For other technical data please refer to WEG product manual.

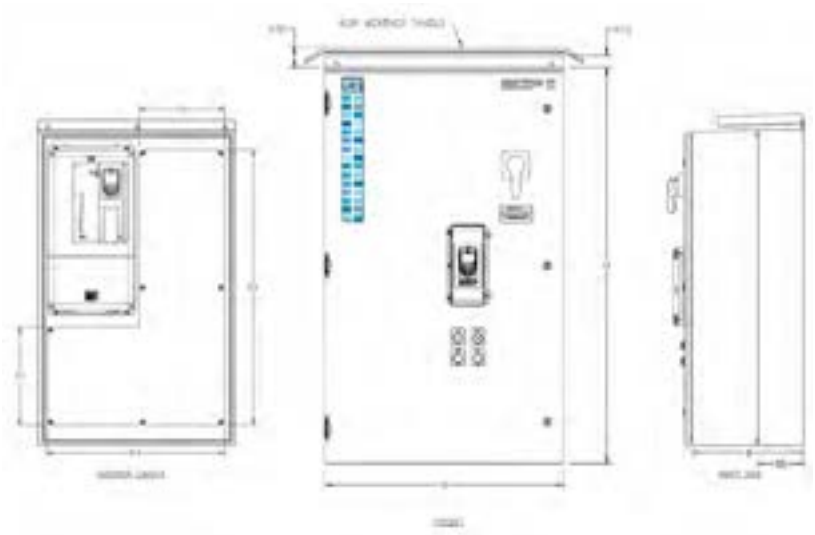
Please refer to back cover for description of "NOTES"

For detailed specifications, data sheets, drawings and performance curves visit http:// www.weg.net

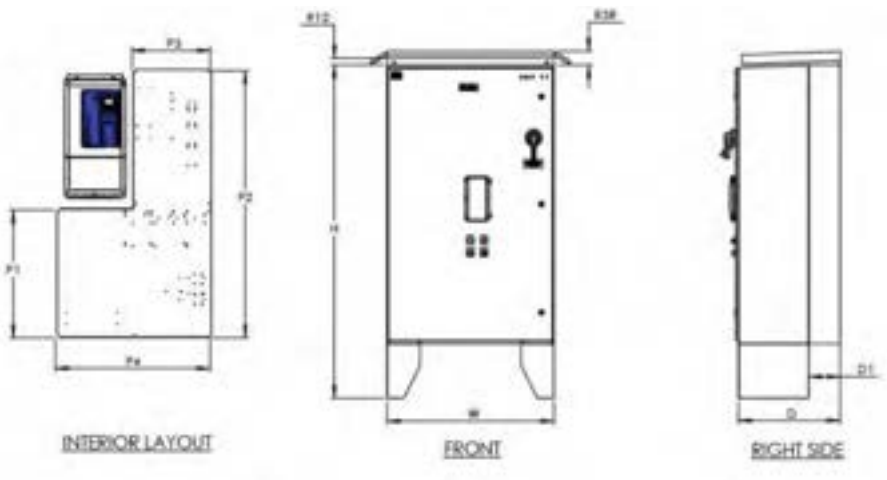
Dimensions

Enclosure Frame Size

ED 1, 2, 3, 4



ED 5



Frame[5]	H	W	D	D1	R3R[1]	R12[2]
ED1[4]	24	20	11.5	2.8	2.5	1.5
ED2[4]	30	24	14	5.4	2.5	1.5
ED3[4]	36	30	14	5.5	2.5	1.5
ED4[4]	48	30	17.5	6.8	2.5	1.5
ED5[3]	72	36	22	6.8	3	1.5

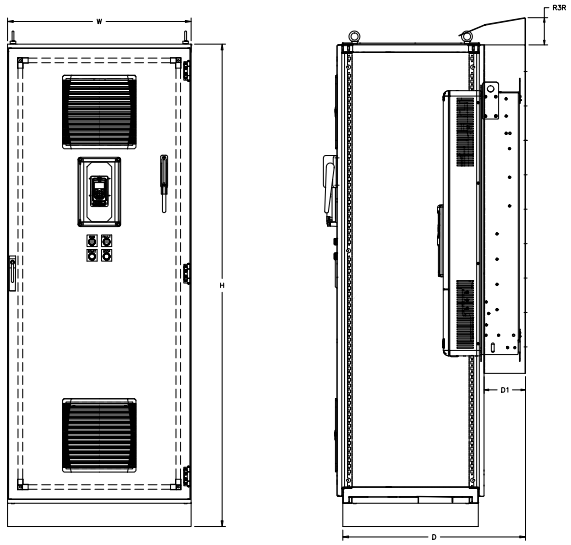
Notes:
1) For NEMA 3R cabinet.
2) For NEMA 12 cabinet.
3) ED5 "H" dimension includes 12 ft for legs.
4) ED1 - ED4 enclosures are non-ventilated and wall-mounted; ED5 enclosures are non-ventilated and floor mounted.
5) Dimensions are provided for estimating purposes only.

EDP11 - ENGINEERED DRIVE PANEL

Dimensions

Enclosure Frame Size

ED 6

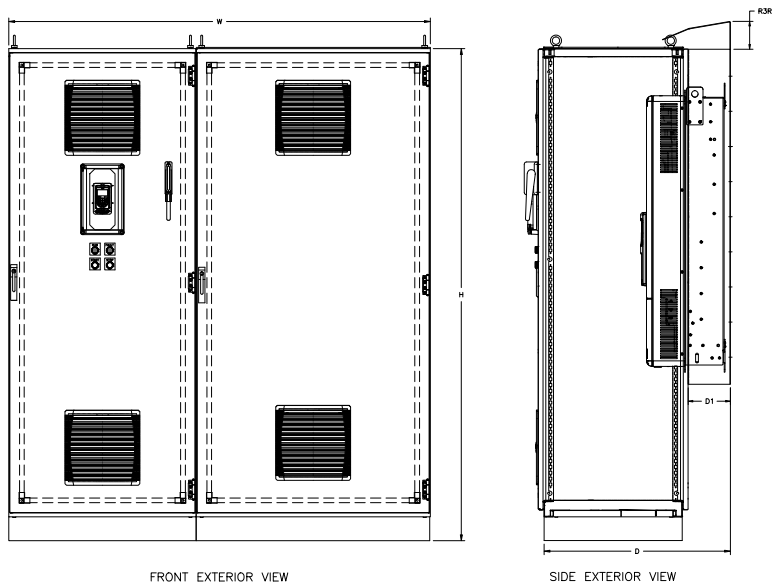


FRONT EXTERIOR VIEW SIDE EXTERIOR VIEW

Frame[1]	H	W	D(N12)	D(N3R)	D1(N12)	D1(N3R)	R3R	N12
ED6	83	32	31.4	41	6.2	11.4	0.5	1.5
ED7	83	63	31.4	41	6.2	11.4	0.5	1.5
ED8	83	56	31.9	41	7.5	11.4	0.5	1.5
ED9	83	95	31.9	41	7.5	11.4	0.5	1.5
ED10	91	80	31.9	41	7.5	11.4	0.5	1.5

Notes:
1) ED6 - ED10 enclosures are ventilated and floor-mounted. Dimensions are provided for estimating purposes only.

ED 7, 8, 9, 10



FRONT EXTERIOR VIEW SIDE EXTERIOR VIEW

Please refer to back cover for description of “NOTES”
For detailed specifications, data sheets, drawings and performance curves visit http:// www.weg.net

GPH2 Series – Combination Soft-Starters

The Combination Soft Starter is a NEMA 4 Enclosed industrial general purpose AC motor soft starter package. It is designed for simple and quick installation and start-up, requiring only input power and output motor connections.

The Combination Soft Starter is built to complement the ruggedness and reliability of WEG motors, providing a complete, simple, and cost effective AC motor starting and protection solution.

Standard Features

- Rated for 300% for 30 seconds
- Rated for 450% with derating
- 5 to 175 HP at 230V
- 10 to 350 HP at 460V
- Wall mounted enclosures for up to 125 HP at 230V; 250 HP at 460V
- Floor Mounted enclosure for up to 150 to 175 HP at 230V, and 300 to 350 HP at 460V
- Soft Starter
- SSW07 from 17 to 412A (all models with integrated AC1 by-pass)
- Circuit breaker with through door disconnect
- Control power transformer
- START/STOP pushbuttons
- RUN/FAULT pilot lights
- Hand-Off-Auto (HOA) selector switch
- SuperDrive G2 compatible

Optional Features

- AC3 by-pass contactor and DOL Selector Switch
- Door mounted keypad
- 575 VAC Supply
- SUSE Service Entrance Rated

Applications

- Centrifugal pumps
- Screw compressors
- Centrifugal fans
- Wood chipper
- Veneer lathe
- Saw
- Conveyor

GPH2 panels highlighted in GREEN on pages #385 - 388, represent panels that are normally kept in stock.

Please refer to back cover for description of "NOTES"

Notes:
SSW07 models do not include keypad.

GHP2 - COMBINATION SOFT STARTER

GPH2 Catalog Number Sequence

GPH2	010	Q	C	2	0	0	0

Current Rating
005 = 5 HP
007 = 7.5 HP
010 = 10 HP
015 = 15 HP
025 = 25 HP
030 = 30 HP
050 = 40/50 HP
060 = 60 HP
075 = 75 HP
100 = 100 HP
125 = 125 HP
250 = 250 HP
350 = 350 HP

By-Pass
Q = Integral AC1 [1]
P = External AC3 [2]

Circuit Breaker
C = Circuit Breaker Included

Supply Voltage
2 = 200-240 VAC
4 = 460-480 VAC

Future Use

Options

Chart intended as reference only and not to create part numbers.
1) Bypass contactor is 'Run Rated' and is integral to the soft starter.
2) Bypass contactor is 'Full Rated' and mounted adjacent the soft starter inside the panel.

NEMA 4 Enclosure (Standard Version – with Circuit Breaker, Integral AC1 By-Pass and no Keypad on Door)

Motor Voltage	Motor HP[1]	Starter Amps[2]	Catalog Number	Frame Size	Approx. Weight[4] (lbs)	List Price	Multiplier New (old)
230 VAC	Input Power Supply: Three-Phase 200-240 VAC						
	5	17	GPH2005QC2000	1	140	$3,650	E1G (E1)
	7.5	24	GPH2007QC2000	1	140	$3,750	E1G (E1)
	10	30	GPH2010QC2000	1	140	$3,900	E1G (E1)
	15	45	GPH2015QC2000	2	150	$4,300	E1G (E1)
	25	61	GPH2025QC2000	2	150	$4,800	E1G (E1)
	30	85	GPH2030QC2000	2	150	$5,800	E1G (E1)
	50	130	GPH2050QC2000	3	280	$6,990	E1G (E1)
	60	171	GPH2060QC2000	3	280	$7,500	E1G (E1)
	75	200	GPH2075QC2000	3	280	$8,450	E1G (E1)
	100	255	GPH2100QC2000	4	415	$10,700	E1G (E1)
	125	312	GPH2125QC2000	4	415	$11,880	E1G (E1)
	150	365	GPH2150QC2000	5	610	$12,700	E1G (E1)
	175	412	GPH2175QC2000	5	610	$14,500	E1G (E1)
460 VAC	Input Power Supply: Three-Phase 460-480 VAC						
	10	17	GPH2010QC4000	1	140	$3,650	E1G (E1)
	15	24	GPH2015QC4000	1	140	$3,750	E1G (E1)
	20	30	GPH2020QC4000	1	140	$3,900	E1G (E1)
	30	45	GPH2030QC4000	2	150	$4,300	E1G (E1)
	40 / 50	61	GPH2050QC4000	2	150	$4,800	E1G (E1)
	75	85	GPH2075QC4000	2	150	$5,800	E1G (E1)
	100	130	GPH2100QC4000	3	280	$6,990	E1G (E1)
	125	171	GPH2125QC4000	3	280	$7,500	E1G (E1)
	150	200	GPH2150QC4000	3	280	$8,450	E1G (E1)
	200	255	GPH2200QC4000	4	415	$10,700	E1G (E1)
	250	312	GPH2250QC4000	4	415	$11,880	E1G (E1)
	300	365	GPH2300QC4000	5	610	$12,700	E1G (E1)
	350	412	GPH2350QC4000	5	610	$14,500	E1G (E1)

Notes:
1) "HP" rating based on FLA values from WEG W22, 2- and 4-pole, NEMA premium motors.
2) Motor FLA may vary with speed and manufacturer. ALWAYS compare motor FLA to nominal amps of the starter.
3) For other technical data please refer to WEG product manual.
4) Dimensions and weights are for estimating purposes only. Only use "AS BUILT" drawings for construction.

GPH2 panels highlighted in GREEN represent panels that are normally kept in stock.

GHP2 - COMBINATION SOFT STARTER

NEMA 4 Enclosure (with Circuit Breaker, Integral AC1 By-Pass and Keypad on Door)

Motor Voltage	Motor HP[1]	Starter Amps[2]	Catalog Number	Frame Size	Approx. Weight[4] (lbs)	List Price	Multiplier New (old)
230 VAC	Input Power Supply: Three-Phase 200-240 VAC						
	5	17	GPH2005QC2001	1	140	$4,145	E1G (E1)
	7.5	24	GPH2007QC2001	1	140	$4,245	E1G (E1)
	10	30	GPH2010QC2001	1	140	$4,395	E1G (E1)
	15	45	GPH2015QC2001	2	150	$4,795	E1G (E1)
	25	61	GPH2025QC2001	2	150	$5,295	E1G (E1)
	30	85	GPH2030QC2001	2	150	$6,295	E1G (E1)
	50	130	GPH2050QC2001	3	280	$7,485	E1G (E1)
	60	171	GPH2060QC2001	3	280	$7,995	E1G (E1)
	75	200	GPH2075QC2001	3	280	$8,945	E1G (E1)
	100	255	GPH2100QC2001	4	415	$11,195	E1G (E1)
	125	312	GPH2125QC2001	4	415	$12,375	E1G (E1)
	150	365	GPH2150QC2001	5	610	$13,195	E1G (E1)
	175	412	GPH2175QC2001	5	610	$14,995	E1G (E1)
460 VAC	Input Power Supply: Three-Phase 460-480 VAC						
	10	17	GPH2010QC4001	1	140	$4,145	E1G (E1)
	15	24	GPH2015QC4001	1	140	$4,245	E1G (E1)
	20	30	GPH2020QC4001	1	140	$4,395	E1G (E1)
	30	45	GPH2030QC4001	2	150	$4,795	E1G (E1)
	40 / 50	61	GPH2050QC4001	2	150	$5,295	E1G (E1)
	75	85	GPH2075QC4001	2	150	$6,295	E1G (E1)
	100	130	GPH2100QC4001	3	280	$7,485	E1G (E1)
	125	171	GPH2125QC4001	3	280	$7,995	E1G (E1)
	150	200	GPH2150QC4001	3	280	$8,945	E1G (E1)
	200	255	GPH2200QC4001	4	415	$11,195	E1G (E1)
	250	312	GPH2250QC4001	4	415	$12,375	E1G (E1)
	300	365	GPH2300QC4001	5	610	$13,195	E1G (E1)
	350	412	GPH2350QC4001	5	610	$14,995	E1G (E1)

Notes:
1) "HP" rating based on FLA values from WEG W22, 2- and 4-pole, NEMA premium motors.
2) Motor FLA may vary with speed and manufacturer. ALWAYS compare motor FLA to nominal amps of the starter.
3) For other technical data please refer to WEG product manual.
4) Dimensions and weights are for estimating purposes only. Only use "AS BUILT" drawings for construction.

GPH2 panels highlighted in GREEN represent panels that are normally kept in stock.

Please refer to back cover for description of "NOTES"

NEMA 4 Enclosure (with Circuit Breaker, External AC3 By-Pass and no Keypad on Door)

Motor Voltage	Motor HP[1]	Starter Amps[2]	Catalog Number	Frame Size	Approx. Weight[4] (lbs)	List Price	Multiplier New (old)
230 VAC	Input Power Supply: Three-Phase 200-240 VAC						
	5	17	GPH2005PC2000	1	140	$3,900	E1G (E1)
	7.5	24	GPH2007PC2000	1	140	$4,032	E1G (E1)
	10	30	GPH2010PC2000	1	140	$4,243	E1G (E1)
	15	45	GPH2015PC2000	2	150	$4,865	E1G (E1)
	25	61	GPH2025PC2000	2	150	$5,412	E1G (E1)
	30	85	GPH2030PC2000	2	150	$6,585	E1G (E1)
	50	130	GPH2050PC2000	3	280	$8,260	E1G (E1)
	60	171	GPH2060PC2000	3	280	$9,013	E1G (E1)
	75	200	GPH2075PC2000	3	280	$10,350	E1G (E1)
	100	255	GPH2100PC2000	4	415	$12,965	E1G (E1)
	125	312	GPH2125PC2000	4	415	$14,847	E1G (E1)
	150	365	GPH2150PC2000	5	610	$15,706	E1G (E1)
	175	412	GPH2175PC2000	5	610	$21,075	E1G (E1)
460 VAC	Input Power Supply: Three-Phase 460-480 VAC						
	10	17	GPH2010PC4000	1	140	$3,900	E1G (E1)
	15	24	GPH2015PC4000	1	140	$4,032	E1G (E1)
	20	30	GPH2020PC4000	1	140	$4,243	E1G (E1)
	30	45	GPH2030PC4000	2	150	$4,865	E1G (E1)
	40 / 50	61	GPH2050PC4000	2	150	$5,412	E1G (E1)
	75	85	GPH2075PC4000	2	150	$6,585	E1G (E1)
	100	130	GPH2100PC4000	3	280	$8,260	E1G (E1)
	125	171	GPH2125PC4000	3	280	$9,013	E1G (E1)
	150	200	GPH2150PC4000	3	280	$10,350	E1G (E1)
	200	255	GPH2200PC4000	4	415	$12,965	E1G (E1)
	250	312	GPH2250PC4000	4	415	$14,847	E1G (E1)
	300	365	GPH2300PC4000	5	610	$15,706	E1G (E1)
	350	412	GPH2350PC4000	5	610	$21,075	E1G (E1)

Notes:
1) "HP" rating based on FLA values from WEG W22, 2- and 4-pole, NEMA premium motors.
2) Motor FLA may vary with speed and manufacturer. ALWAYS compare motor FLA to nominal amps of the starter.
3) For other technical data please refer to WEG product manual.
4) Dimensions and weights are for estimating purposes only. Only use "AS BUILT" drawings for construction.

GPH2 panels highlighted in GREEN represent panels that are normally kept in stock.

GHP2 - COMBINATION SOFT STARTER

NEMA 4 Enclosure (with Circuit Breaker, External AC3 By-Pass and Keypad on Door)

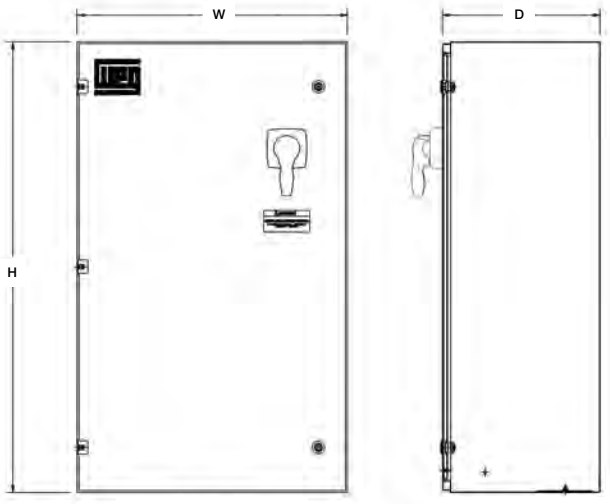
Motor Voltage	Motor HP[1]	Starter Amps[2]	Catalog Number	Frame Size	Approx. Weight[4] (lbs)	List Price	Multiplier New (old)
230 VAC	Input Power Supply: Three-Phase 200-240 VAC						
	5	17	GPH2005PC2001	1	140	$4,395	E1G (E1)
	7.5	24	GPH2007PC2001	1	140	$4,527	E1G (E1)
	10	30	GPH2010PC2001	1	140	$4,738	E1G (E1)
	15	45	GPH2015PC2001	2	150	$5,360	E1G (E1)
	25	61	GPH2025PC2001	2	150	$5,907	E1G (E1)
	30	85	GPH2030PC2001	2	150	$7,080	E1G (E1)
	50	130	GPH2050PC2001	3	280	$8,755	E1G (E1)
	60	171	GPH2060PC2001	3	280	$9,508	E1G (E1)
	75	200	GPH2075PC2001	3	280	$10,845	E1G (E1)
	100	255	GPH2100PC2001	4	415	$13,460	E1G (E1)
	125	312	GPH2125PC2001	4	415	$15,342	E1G (E1)
	150	365	GPH2150PC2001	5	610	$16,201	E1G (E1)
	175	412	GPH2175PC2001	5	610	$21,570	E1G (E1)
460 VAC	Input Power Supply: Three-Phase 460-480 VAC						
	10	17	GPH2010PC4001	1	140	$4,395	E1G (E1)
	15	24	GPH2015PC4001	1	140	$4,527	E1G (E1)
	20	30	GPH2020PC4001	1	140	$4,738	E1G (E1)
	30	45	GPH2030PC4001	2	150	$5,360	E1G (E1)
	40 / 50	61	GPH2050PC4001	2	150	$5,907	E1G (E1)
	75	85	GPH2075PC4001	2	150	$7,080	E1G (E1)
	100	130	GPH2100PC4001	3	280	$8,755	E1G (E1)
	125	171	GPH2125PC4001	3	280	$9,508	E1G (E1)
	150	200	GPH2150PC4001	3	280	$10,845	E1G (E1)
	200	255	GPH2200PC4001	4	415	$13,460	E1G (E1)
	250	312	GPH2250PC4001	4	415	$15,342	E1G (E1)
	300	365	GPH2300PC4001	5	610	$16,201	E1G (E1)
	350	412	GPH2350PC4001	5	610	$21,570	E1G (E1)

Notes:
1) "HP" rating based on FLA values from WEG W22, 2- and 4-pole, NEMA premium motors.
2) Motor FLA may vary with speed and manufacturer. ALWAYS compare motor FLA to nominal amps of the starter.
3) For other technical data please refer to WEG product manual.
4) Dimensions and weights are for estimating purposes only. Only use "AS BUILT" drawings for construction.

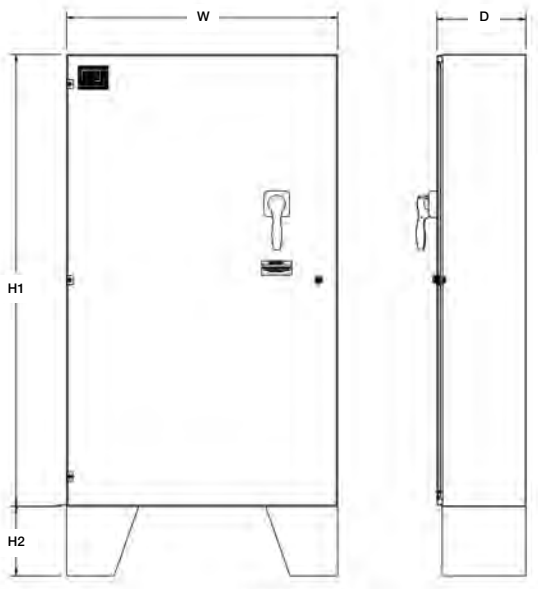
GPH2 panels highlighted in GREEN represent panels that are normally kept in stock.

Please refer to back cover for description of "NOTES"

Dimensions



Frame Sizes 1-4



Frame Sizes 5

GPH Dimensions [1]

Frame	W	D	H/H1	H2	Approx. Weight (lbs)
1	16	8	24	N/A	140
2	24	12	32	N/A	150
3	24	14	40	N/A	280
4	32	16	48	N/A	415
5	36	16	60	12	610

Notes:
1) H1 + H2 = overall height

Enclosed Starters Series

Operation and Protection of Motors up to 600 HP at 460 VAC (800A)

WEG Enclosed Starters Series were designed to meet the requirements and flexibility frequently demanded in industrial applications. Featuring components that meet IEC design standards and UL horsepower ratings, WEG enclosed starters are UL508A approved and cULus certified. This means your panels will fulfill the rigorous requirements of UL508A and will have the quality and performance as for all WEG products.

Standard or Custom

By having most of the processes in WEG facilities, we can manufacture not only the enclosed starters listed on this catalog, but also any other custom panel your application may require. Our engineers will work together with you to provide the perfect solution for your application.

Perfect Solution

WEG offers options for both: Full Voltage Non-Reversing Non-Combination Starters and Full Voltage Non-Reversing Combination Starters up to 250 HP at 460 VAC.

WEG's UL508A panel shops can manufacture any configuration of Non-Combination or Combination Starters for any low voltage horsepower ratings. Some examples are listed below:

- Enclosed contactors
- Full voltage reversing starters
- Reduced voltage magnetic starters (part-winding, wye-delta)
- Reduced voltage solid-state starters
- Multi-speed starters
- Explosion proof starters

Whenever you need a reliable product to control and protect your application, WEG field specialists can help you find the best solution.

New Concepts

Smaller size components allow selection of smaller enclosures which translates to cost savings. A wide range of ratings and frames allow the components to be more closely matched to your application. Our overload relays provide phase loss sensitivity, ambient temperature compensated for -4°F to +140°F (eliminating the need for additional heaters), and automatic reset for remote applications.

A wide range of industrial applications are covered: Pumps, Industrial Washing Machines, Compressors, Blowers, Cutting Machines, Conveyors, Lumber Processing and many others.

Please refer to back cover for description of "NOTES"

For detailed specifications, data sheets, drawings and performance curves visit http:// www.weg.net

Product Line Overview

Non-Combination Starters

Model		ESW	PESW	ESWX-M16	ESWX-M	ESWX
						
Maximum horsepower rating at 460 VAC 60 Hz	HP	75	75	10	75	75
Maximum rated current Imax (Iu)	A	105	105	16	100	105
Rated operational voltage	V	600	600	600	600	600
Enclosure type		Metallic Type 1	Non-Metallic Type 4X	Cast Aluminum NEMA 7/9 NEMA 4X	Cast Aluminum Type 7/9	Cast Aluminum Type 7/9
Protections Provided						
Motor disconnect				✓	✓	
Motor branch short-circuit				✓	✓	
Motor controller		✓	✓	✓	✓	✓
Motor overload		✓	✓	✓	✓	✓

V.F.D.s and Enclosed Motor Controls

Please refer to back cover for description of “NOTES”

For detailed specifications, data sheets, drawings and performance curves visit http://www.weg.net

Combination Starters

Product Line Overview

Combination Starters

Model		ESWC	ESWE
			
Maximum horsepower rating at 460 VAC 60 Hz	HP	250	20
Maximum rated current Imax (Iu)	A	300	32
Rated operational voltage	V	600	600
Enclosure type		Metallic Type 1 Type 3R Type 4 / 12	Non-Metallic Type 4X
Protections Provided			
Motor disconnect		✓	✓
Motor branch short-circuit		✓	✓
Motor controller		✓	✓
Motor overload		✓	✓

ESW/PESW Series – Non-Combination Starters

WEG offers non-reversing and non-combination magnetic starters up to 75 HP at 460 VAC (105 A). Featuring WEG contactors and overload relays, the magnetic starters are ideal to protect and operate motors, ensuring smooth operation year-after year. The ESW series starters are housed in a metallic Type 1 enclosure and the PESW series are enclosed in a non-metallic Type 4X housing.

WEG ESW and PESW starters are pre-wired from the factory and recommended for all single- and three-phase applications where magnetic starters can be applied.

Standard Features

- High horsepower ratings in four compact sizes
- Fast acceleration and high initial torque
- Bimetallic overload relays – class 10
- Adjustable trip current
- Ambient temperature compensated
- Phase-loss sensitivity protection
- Selectable manual or automatic RESET
- Electrically isolated NO and NC auxiliary contacts
- Easy to install and setup

c UL us

UL File No. E202315

ESW Catalog Number Sequence

ESW	(*)	-	B	18	D15	A	-	R32

ESW Enclosed Starter Non-Combination NEMA1
Blank: Three-Phase
S: Single-Phase

Contactor Series
Blank: CWM
B: CWB

Contactor Frame Size
9: 9A
12: 12A
18: 18A
25: 25A
32: 32A
38: 38A
40: 40A
50: 50A
65: 65A
80: 80A
95: 95A
105: 105A

Coil Voltage
CWB Contactor:
D15: 120 VAC
V24: 208-240 VAC
D39: 480 VAC
CWM Contactor:
V18: 120 VAC
V24: 208-240 VAC
V47: 480 VAC

Control Devices
A: START STOP + RESET
C: ON OFF Selector Switch + RESET
E: RESET Only
H: HOA + RESET

Overload Current Setting

Three-Phase	Range	Single-Phase
R23	0.8 - 1.2A	RM23
R24	1.2 - 1.8A	RM24
R25	1.8 - 2.8A	RM25
R26	2.8 - 4A	RM26
R27	4 - 6.3A	RM27
R28	5.6 - 8A	RM28
R29	7 - 10A	RM29
R30	8 - 12.5A	RM30
R32	11 - 17A	RM32
R33	15 - 23A	RM33
R34	22 - 32A	RM34
R35	32 - 40A	RM35
R70	25 - 40A	RM70
R71	32 - 50A	RM71
R72	40 - 57A	
R73	50 - 63A	
R74	57 - 70A	
R75	63 - 80A	
R43	63 - 80A	
R44	75 - 97A	
R45	90 - 112A	

Chart intended as reference only and not to create part numbers.

NEMA 1 Enclosure – Three Phase

ESW Series – Non-combination Across The Line Starter

Three-Phase – Enclosure Type-1

Max UL Horsepower				Box	Setting Range (A)	Coil Voltage (V)	RESET Only		START STOP + RESET		Multiplier New (Old)
200V	230V	460V	575V				Catalog Number	List Price	Catalog Number	List Price	
-	-	1/2	1/2	M04	0.8 - 1.2	120	ESW-B9D15E-R23	$157	ESW-B9D15A-R23	$210	Z3E (Z3)
						208-240	ESW-B9V24E-R23		ESW-B9V24A-R23		
						480	ESW-B9D39E-R23		ESW-B9D39A-R23		
-	-	3/4	1	M04	1.2 - 1.8	120	ESW-B9D15E-R24	$157	ESW-B9D15A-R24	$210	
						208-240	ESW-B9V24E-R24		ESW-B9V24A-R24		
						480	ESW-B9D39E-R24		ESW-B9D39A-R24		
1/2	1/2	1	2	M04	1.8 - 2.8	120	ESW-B9D15E-R25	$157	ESW-B9D15A-R25	$210	
						208-240	ESW-B9V24E-R25		ESW-B9V24A-R25		
						480	ESW-B9D39E-R25		ESW-B9D39A-R25		
3/4	3/4	2	3	M04	2.8 - 4.0	120	ESW-B9D15E-R26	$157	ESW-B9D15A-R26	$210	
						208-240	ESW-B9V24E-R26		ESW-B9V24A-R26		
						480	ESW-B9D39E-R26		ESW-B9D39A-R26		
1	1 1/2	3	5	M04	4.0 - 6.3	120	ESW-B9D15E-R27	$157	ESW-B9D15A-R27	$210	
						208-240	ESW-B9V24E-R27		ESW-B9V24A-R27		
						480	ESW-B9D39E-R27		ESW-B9D39A-R27		
2	2	5	5	M04	5.6 - 8.0	120	ESW-B9D15E-R28	$157	ESW-B9D15A-R28	$210	
						208-240	ESW-B9V24E-R28		ESW-B9V24A-R28		
						480	ESW-B9D39E-R28		ESW-B9D39A-R28		
2	3	5	7 1/2	M04	7.0 - 10	120	ESW-B9D15E-R29	$157	ESW-B9D15A-R29	$210	
						208-240	ESW-B9V24E-R29		ESW-B9V24A-R29		
						480	ESW-B9D39E-R29		ESW-B9D39A-R29		
3	3	7 1/2	10	M04	8.0 - 12.5	120	ESW-B12D15E-R30	$174	ESW-B12D15A-R30	$227	
						208-240	ESW-B12V24E-R30		ESW-B12V24A-R30		
						480	ESW-B12D39E-R30		ESW-B12D39A-R30		
3	5	10	15	M04	11 - 17	120	ESW-B18D15E-R32	$188	ESW-B18D15A-R32	$241	
						208-240	ESW-B18V24E-R32		ESW-B18V24A-R32		
						480	ESW-B18D39E-R32		ESW-B18D39A-R32		
5	7 1/2	15	15	M04	15 - 23	120	ESW-B25D15E-R33	$223	ESW-B25D15A-R33	$276	
						208-240	ESW-B25V24E-R33		ESW-B25V24A-R33		
						480	ESW-B25D39E-R33		ESW-B25D39A-R33		
10	10	20	25	M04	22 - 32	120	ESW-B32D15E-R34	$245	ESW-B32D15A-R34	$298	
						208-240	ESW-B32V24E-R34		ESW-B32V24A-R34		
						480	ESW-B32D39E-R34		ESW-B32D39A-R34		
10	-	25	-	M04	32 - 40	120	ESW-B38D15E-R35	$292	ESW-B38D15A-R35	$345	
						208-240	ESW-B38V24E-R35		ESW-B38V24A-R35		
						480	ESW-B38D39E-R35		ESW-B38D39A-R35		
10	10	20	25	M06	25 - 40	120	ESW-B40D15E-R70	$336	ESW-B40D15A-R70	$385	
						208-240	ESW-B40V24E-R70		ESW-B40V24A-R70		
						480	ESW-B40D39E-R70		ESW-B40D39A-R70		
10	15	30	40	M06	32 - 50	120	ESW-B50D15E-R71	$350	ESW-B50D15A-R71	$403	
						208-240	ESW-B50V24E-R71		ESW-B50V24A-R71		
						480	ESW-B50D39E-R71		ESW-B50D39A-R71		
15	20	40	50	M06	40 - 57	120	ESW-B65D15E-R72	$375	ESW-B65D15A-R72	$428	
						208-240	ESW-B65V24E-R72		ESW-B65V24A-R72		
						480	ESW-B65D39E-R72		ESW-B65D39A-R72		
15	20	40	50	M06	50 - 63	120	ESW-B65D15E-R73	$400	ESW-B65D15A-R73	$450	
						208-240	ESW-B65V24E-R73		ESW-B65V24A-R73		
						480	ESW-B65D39E-R73		ESW-B65D39A-R73		
20	25	50	-	M06	57 - 70	120	ESW-B80D15E-R74	$421	ESW-B80D15A-R74	$474	
						208-240	ESW-B80V24E-R74		ESW-B80V24A-R74		
						480	ESW-B80D39E-R74		ESW-B80D39A-R74		
-	25	50	-	M06	63 - 80	120	ESW-B80D15E-R75	$448	ESW-B80D15A-R75	$498	
						208-240	ESW-B80V24E-R75		ESW-B80V24A-R75		
						480	ESW-B80D39E-R75		ESW-B80D39A-R75		
25	30	60	75	M08	63 - 80	120	ESW-95V18E-R43	$876	ESW-95V18A-R43	$929	
						208-240	ESW-95V24E-R43		ESW-95V24A-R43		
						480	ESW-95V47E-R43		ESW-95V47A-R43		
30	30	75	75	M08	75 - 97	120	ESW-105V18E-R44	$975	ESW-105V18A-R44	$1,028	
						208-240	ESW-105V24E-R44		ESW-105V24A-R44		
						480	ESW-105V47E-R44		ESW-105V47A-R44		
30	40	75	-	M08	90 - 112	120	ESW-105V18E-R45	$975	ESW-105V18A-R45	$1,028	
						208-240	ESW-105V24E-R45		ESW-105V24A-R45		
						480	ESW-105V47E-R45		ESW-105V47A-R45		

Notes:
Please refer to back cover for description of "NOTES"
• *3-Phase starters can be wired for single-phase applications (see page 291 for single-phase conversion diagram).*

For detailed specifications, data sheets, drawings and performance curves visit http://www.weg.net

Enclosed Starters - ESWS

NEMA 1 Enclosure – Single Phase

ESWS Series – Non-combination Across The Line Starter – Non Reversing
Single-Phase – Enclosure Type-1

Max UL Horsepower		Box	Setting Range (A)	Coil Voltage (V)	RESET only		START STOP + RESET		Multiplier New (Old)
115V	230V				Catalog Number	List Price	Catalog Number	List Price	
_	_	M04	0.8 - 1.2	120	ESWS-B9D15E-RM23	$135	ESWS-B9D15A-RM23	$188	
				208-240	ESWS-B9V24E-RM23		ESWS-B9V24A-RM23		
_	1/10	M04	1.2 - 1.8	120	ESWS-B9D15E-RM24	$135	ESWS-B9D15A-RM24	$188	
				208-240	ESWS-B9V24E-RM24		ESWS-B9V24A-RM24		
_	1/6	M04	1.8 - 2.8	120	ESWS-B9D15E-RM25	$135	ESWS-B9D15A-RM25	$188	
				208-240	ESWS-B9V24E-RM25		ESWS-B9V24A-RM25		
1/8	1/3	M04	2.8 - 4.0	120	ESWS-B9D15E-RM26	$135	ESWS-B9D15A-RM26	$188	
				208-240	ESWS-B9V24E-RM26		ESWS-B9V24A-RM26		
1/4	1/2	M04	4.0 - 6.3	120	ESWS-B9D15E-RM27	$135	ESWS-B9D15A-RM27	$188	
				208-240	ESWS-B9V24E-RM27		ESWS-B9V24A-RM27		
1/3	1	M04	5.6 - 8.0	120	ESWS-B9D15E-RM28	$135	ESWS-B9D15A-RM28	$188	
				208-240	ESWS-B9V24E-RM28		ESWS-B9V24A-RM28		
1/2	1 1/2	M04	7.0 - 10	120	ESWS-B9D15E-RM29	$135	ESWS-B9D15A-RM29	$188	
				208-240	ESWS-B9V24E-RM29		ESWS-B9V24A-RM29		
1/2	2	M04	8.0 - 12.5	120	ESWS-B12D15E-RM30	$161	ESWS-B12D15A-RM30	$214	Z3E (Z3)
				208-240	ESWS-B12V24E-RM30		ESWS-B12V24A-RM30		
3/4	2	M04	10 - 15	120	ESWS-B18D15E-RM31	$170	ESWS-B18D15A-RM31	$223	
				208-240	ESWS-B18V24E-RM31		ESWS-B18V24A-RM31		
1	3	M04	11 - 17	120	ESWS-B18D15E-RM32	$170	ESWS-B18D15A-RM32	$223	
				208-240	ESWS-B18V24E-RM32		ESWS-B18V24A-RM32		
1 1/2	3	M04	15 - 23	120	ESWS-B25D15E-RM33	$180	ESWS-B25D15A-RM33	$233	
				208-240	ESWS-B25V24E-RM33		ESWS-B25V24A-RM33		
2	5	M04	22 - 32	120	ESWS-B32D15E-RM34	$230	ESWS-B32D15A-RM34	$276	
				208-240	ESWS-B32V24E-RM34		ESWS-B32V24A-RM34		
3	7 1/2	M04	32 - 40	120	ESWS-B38D15E-RM35	$274	ESWS-B38D15A-RM35	$327	
				208-240	ESWS-B38V24E-RM35		ESWS-B38V24A-RM35		
3	7 1/2	M06	25 - 40	120	ESWS-B40D15E-RM70	$312	ESWS-B40D15A-RM70	$394	
				208-240	ESWS-B40V24E-RM70		ESWS-B40V24A-RM70		
3	10	M06	32 - 50	120	ESWS-B50D15E-RM71	$330	ESWS-B50D15A-RM71	$423	
				208-240	ESWS-B50V24E-RM71		ESWS-B50V24A-RM71		

Notes:
- *OLR must be set at 115% of motor FLA.*
- *ESWS – Single-phase version – assembled with 2-pole contactor and 2-pole overload relays.*

Please refer to back cover for description of "NOTES"

Field Mod Kits for ESW/ESWS Series

Accessories	Field Kit Medications				
Description	Structure		Catalog Number	List Price	Multiplier New (Old)
	Top	Bottom			
No pilot device metal brackets – 2 x 22 mm holes w/plugs	PLUG	PLUG	KESWPP	$25	Z3E (Z3)
START STOP pushbutton	PLUG	START - STOP	KESWPS	$80	
HAND-OFF-AUTO selector switch	HAND - OFF - AUTO	PLUG	KESWHP	$80	
OFF-ON selector switch	OFF - ON	PLUG	KESWFP	$80	
E-STOP	PLUG	E-STOP	KESWPE	$80	


KESWPP


KESWPS


KESWHP

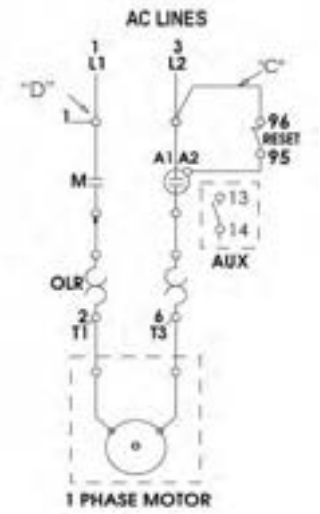

KESWFP

Please refer to back cover for description of “NOTES”

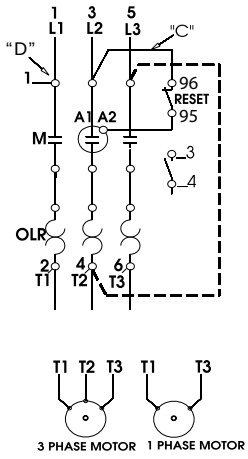
For detailed specifications, data sheets, drawings and performance curves visit http://www.weg.net

Wiring Diagram

Single-Phase Starter



Three-Phase Starter



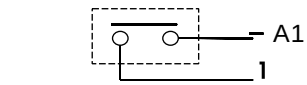
Conversion to single-phase, add jumper wire from L3 to T2
(follow dotted line connection above)

Separate Control

For separate control, remove wires "C" and "D" if supplied and connect separate control lines to terminal Nº 96 on the overload relay and to terminal Nº _3 on the auxiliary Contact block (for 3-wire control) or to the contactor coil Nº A1 (for 2-wire control).

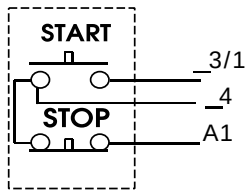
Pilot Devices

2-Wire Control

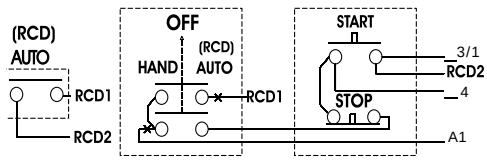


NOT FOR USE WITH AUTO RESET OL RELAYS.

3-Wire Control



Hand-Off-Auto Wire Control (for ESW series only)



Dimensions

Provision for Cable Gland Fitting	Standard			
	Top	Bottom	Side	Back
Box M04	2x (1/2" or 3/4")	2x (1/2" or 3/4")	4x (1/2" or 3/4")	2x (1/2" or 3/4")
	1x (3/4" or 1")	1x (3/4" or 1")	-	-
Box M06	1x (1/2" or 3/4")	1x (1/2" or 3/4")	3x (1/2" or 3/4")	-
	2x (1" or 1 1/4")	2x (1" or 1 1/4")	4x (1" or 1 1/4")	-
Box M08	1x (1")	1x (1")	1x (1")	1x (1")
	1x (1 1/2")	1x (1 1/2")	4x (3/4")	-

Dimensions (approx. inches)				
Enclosed Starters	Enclosure Size			
	BOX	H	W	D
ESW(S)-B9, B12, B18, B25, B32, B38	M04	9.5	5.5	5.0
ESW(S)-B40, B50, B65, B80	M06	13.0	7.5	5.6
ESW 95, 105	M08	17.8	9.5	6.7

V.F.D.s and Enclosed Motor Controls

Please refer to back cover for description of "NOTES"
For detailed specifications, data sheets, drawings and performance curves visit http:// www.weg.net

PESW Catalog Number Sequence

PESW	(*)	-	B	18	D15	AX	-	R32

PESW Enclosed Starter Non-Combination NEMA4X
Blank: Three-Phase
S: Single-Phase

Contactor Series
Blank: CWM
B: CWB

Contactor Frame Size
9: 9A
12: 12A
18: 18A
25: 25A
32: 32A
38: 38A
40: 40A
50: 50A
65: 65A
80: 80A
95: 95A
105: 105A

Coil Voltage
CWB Contactor:
D15: 120 VAC
V24: 208-240 VAC
D39: 480 VAC
CWM Contactor:
V18: 120 VAC
V24: 208-240 VAC
V47: 480 VAC

Control Devices
AX: START STOP + RESET
ACX: START STOP + HOA + RESET
AB1X: START STOP + Indicator
ECX: HOA + RESET
EX: RESET Only
EFX: ON/OFF Selector + RESET
ICX: HOA, No Reset
IFX: ON/OFF Switch, No Reset

Overload Current Setting

Three-Phase	Range	Single-Phase
R57	0.8 - 1.2 A	RM57
R58	1.2 - 1.8A	RM58
R59	1.8 - 2.8A	RM59
R60	2.8 - 4A	RM60
R61	4 - 6.3A	RM61
R62	5.6 - 8A	RM62
R63	7 - 10A	RM63
R64	8 - 12.5A	RM64
R66	11 - 17A	RM66
R67	15 - 23A	RM67
R68	22 - 32A	RM68
R69	32 - 40A	RM69
R70	25 - 40A	RM70
R71	32 - 50A	RM71
R72	40 - 57A	RM72
R73	50 - 63A	RM73
R74	57 - 70A	RM74
R75	63 - 80A	RM75
R43	63 - 80A	RM43
R44	75 - 97A	RM44
R45	90 - 112A	RM45

Chart intended as reference only and not to create part numbers.

PESW

PESW Series – Non-Combination Across the Line Starter

Three-Phase Enclosure Type 4X

Max UL Horsepower				Box	Setting Range (A)	Coil Voltage (V)	RESET only		START STOP + RESET		Multiplier New (Old)
200V	230V	460V	575V				Catalog Number	List Price	Catalog Number	List Price	
-	-	1/2	1/2	05	0.8 - 1.2	120	PESW-B9D15EX-R57	$157	PESW-B9D15AX-R57	$210	Z3P (Z3)
						208-240	PESW-B9V24EX-R57		PESW-B9V24AX-R57		
						480	PESW-B9D39EX-R57		PESW-B9D39AX-R57		
-	-	3/4	1	05	1.2 - 1.8	120	PESW-B9D15EX-R58	$157	PESW-B9D15AX-R58	$210	
						208-240	PESW-B9V24EX-R58		PESW-B9V24AX-R58		
						480	PESW-B9D39EX-R58		PESW-B9D39AX-R58		
1/2	1/2	1	2	05	1.8 - 2.8	120	PESW-B9D15EX-R59	$157	PESW-B9D15AX-R59	$210	
						208-240	PESW-B9V24EX-R59		PESW-B9V24AX-R59		
						480	PESW-B9D39EX-R59		PESW-B9D39AX-R59		
3/4	3/4	2	3	05	2.8 - 4.0	120	PESW-B9D15EX-R60	$157	PESW-B9D15AX-R60	$210	
						208-240	PESW-B9V24EX-R60		PESW-B9V24AX-R60		
						480	PESW-B9D39EX-R60		PESW-B9D39AX-R60		
1	1 1/2	3	5	05	4.0 - 6.3	120	PESW-B9D15EX-R61	$157	PESW-B9D15AX-R61	$210	
						208-240	PESW-B9V24EX-R61		PESW-B9V24AX-R61		
						480	PESW-B9D39EX-R61		PESW-B9D39AX-R61		
2	2	5	5	05	5.6 - 8.0	120	PESW-B9D15EX-R62	$157	PESW-B9D15AX-R62	$210	
						208-240	PESW-B9V24EX-R62		PESW-B9V24AX-R62		
						480	PESW-B9D39EX-R62		PESW-B9D39AX-R62		
2	3	5	7 1/2	05	7.0 - 10	120	PESW-B9D15EX-R63	$157	PESW-B9D15AX-R63	$210	
						208-240	PESW-B9V24EX-R63		PESW-B9V24AX-R63		
						480	PESW-B9D39EX-R63		PESW-B9D39AX-R63		
3	3	7 1/2	10	05	8.0 - 12.5	120	PESW-B12D15EX-R64	$174	PESW-B12D15AX-R64	$227	
						208-240	PESW-B12V24EX-R64		PESW-B12V24AX-R64		
						480	PESW-B12D39EX-R64		PESW-B12D39AX-R64		
3	5	10	15	05	11 - 17	120	PESW-B18D15EX-R66	$188	PESW-B18D15AX-R66	$241	
						208-240	PESW-B18V24EX-R66		PESW-B18V24AX-R66		
						480	PESW-B18D39EX-R66		PESW-B18D39AX-R66		
5	7 1/2	15	15	05	15 - 23	120	PESW-B25D15EX-R67	$223	PESW-B25D15AX-R67	$276	
						208-240	PESW-B25V24EX-R67		PESW-B25V24AX-R67		
						480	PESW-B25D39EX-R67		PESW-B25D39AX-R67		
10	10	20	25	05	22 - 32	120	PESW-B32D15EX-R68	$262	PESW-B32D15AX-R68	$298	
						208-240	PESW-B32V24EX-R68		PESW-B32V24AX-R68		
						480	PESW-B32D39EX-R68		PESW-B32D39AX-R68		
10	--	25	--	05	32 - 40	120	PESW-B38D15EX-R69	$321	PESW-B38D15AX-R69	$345	
						208-240	PESW-B38V24EX-R69		PESW-B38V24AX-R69		
						480	PESW-B38D39EX-R69		PESW-B38D39AX-R69		

Non-Combination Across the Line Starter continued on next page.

Please refer to back cover for description of "NOTES"

For detailed specifications, data sheets, drawings and performance curves visit http:// www.weg.net

Data subject to change without notice.

PESW Series – Non-Combination Across the Line Starter Continued

Three-Phase Enclosure Type 4X

Max UL Horsepower				Box	Setting Range (A)	Coil Voltage (V)	RESET only		START STOP + RESET		Multiplier New (Old)
200V	230V	460V	575V				Catalog Number	List Price	Catalog Number	List Price	
10	10	20	25	08	25 - 40	120	PESW-B40D15EX-R70	$536	PESW-B40D15AX-R70	$550	Z3P (Z3)
						208-240	PESW-B40V24EX-R70		PESW-B40V24AX-R70		
						480	PESW-B40D39EX-R70		PESW-B40D39AX-R70		
10	15	30	40	08	32 - 50	120	PESW-B50D15EX-R71	$564	PESW-B50D15AX-R71	$579	
						208-240	PESW-B50V24EX-R71		PESW-B50V24AX-R71		
						480	PESW-B50D39EX-R71		PESW-B50D39AX-R71		
15	20	40	50	08	40 - 57	120	PESW-B65D15EX-R72	$589	PESW-B65D15AX-R72	$604	
						208-240	PESW-B65V24EX-R72		PESW-B65V24AX-R72		
						480	PESW-B65D39EX-R72		PESW-B65D39AX-R72		
20	25	50	-	08	57 - 70	120	PESW-B80D15EX-R74	$635	PESW-B80D15AX-R74	$650	
						208-240	PESW-B80V24EX-R74		PESW-B80V24AX-R74		
						480	PESW-B80D39EX-R74		PESW-B80D39AX-R74		
-	25	50	-	08	63 - 80	120	PESW-B80D15EX-R75	$665	PESW-B80D15AX-R75	$680	
						208-240	PESW-B80V24EX-R75		PESW-B80V24AX-R75		
						480	PESW-B80D39EX-R75		PESW-B80D39AX-R75		
25	30	60	75	10	63 - 80	120	PESW-95V18EX-R43	$1,085	PESW-95V18AX-R43	$1,100	
						208-240	PESW-95V24EX-R43		PESW-95V24AX-R43		
						480	PESW-95V47EX-R43		PESW-95V47AX-R43		
30	30	75	75	10	75 - 97	120	PESW-105V18EX-R44	$1,184	PESW-105V18AX-R44	$1,199	
						208-240	PESW-105V24EX-R44		PESW-105V24AX-R44		
						480	PESW-105V47EX-R44		PESW-105V47AX-R44		
30	40	75	-	10	90 -112	120	PESW-105V18EX-R45	$1,184	PESW-105V18AX-R45	$1,199	
						208-240	PESW-105V24EX-R45		PESW-105V24AX-R45		
						480	PESW-105V47EX-R45		PESW-105V47AX-R45		

Notes:
- *OLR must be set at 115% of FLA.*
- *3-phase starters with 120V coil are wired for separate control.*
- *3-phase starters can be wired for single-phase applications (see diagram) on page 291.*

PESW Series – Non-Combination Across the Line Starter

Single-Phase Enclosure Type 4X

Max UL Horsepower		Box	Setting Range (A)	Coil Voltage (V)	RESET only		START STOP + RESET		Multiplier New (Old)
115V	230V				Catalog Number	List Price	Catalog Number	List Price	
1/8	1/3	05	2.8 - 4.0	120	PESWS-B9D15EX-RM60	$140	PESWS-B9D15AX-RM60	$155	Z3P (Z3)
				208-240	PESWS-B9V24EX-RM60		PESWS-B9V24AX-RM60		
1/4	1/2	05	4.0 - 6.3	120	PESWS-B9D15EX-RM61	$140	PESWS-B9D15AX-RM61	$155	
				208-240	PESWS-B9V24EX-RM61		PESWS-B9V24AX-RM61		
1/3	1	05	5.6 - 8.0	120	PESWS-B9D15EX-RM62	$140	PESWS-B9D15AX-RM62	$155	
				208-240	PESWS-B9V24EX-RM62		PESWS-B9V24AX-RM62		
1/2	1 1/2	05	7.0 - 10	120	PESWS-B9D15EX-RM63	$140	PESWS-B9D15AX-RM63	$155	
				208-240	PESWS-B9V24EX-RM63		PESWS-B9V24AX-RM63		
1/2	2	05	8.0 - 12.5	120	PESWS-B12D15EX-RM64	$140	PESWS-B12D15AX-RM64	$155	
				208-240	PESWS-B12V24EX-RM64		PESWS-B12V24AX-RM64		
3/4	2	05	10 - 15	120	PESWS-B18D15EX-RM65	$161	PESWS-B18D15AX-RM65	$182	
				208-240	PESWS-B18V24EX-RM65		PESWS-B18V24AX-RM65		
1	3	05	11 - 17	120	PESWS-B18D15EX-RM66	$170	PESWS-B18D15AX-RM66	$182	
				208-240	PESWS-B18V24EX-RM66		PESWS-B18V24AX-RM66		
1 1/2	3	05	15 - 23	120	PESWS-B25D15EX-RM67	$180	PESWS-B25D15AX-RM67	$195	
				208-240	PESWS-B25V24EX-RM67		PESWS-B25V24AX-RM67		
2	5	05	22 - 32	120	PESWS-B32D15EX-RM68	$180	PESWS-B32D15AX-RM68	$195	
				208-240	PESWS-B32V24EX-RM68		PESWS-B32V24AX-RM68		
3	7 1/2	05	32 - 40	120	PESWS-B38D15EX-RM69	$274	PESWS-B38D15AX-RM69	$300	
				208-240	PESWS-B38V24EX-RM69		PESWS-B38V24AX-RM69		
3	7 1/2	08	25 - 40	120	PESWS-B40D15EX-RM70	$410	PESWS-B40D15AX-RM70	$418	
				208-240	PESWS-B40V24EX-RM70		PESWS-B40V24AX-RM70		
3	10	08	32 - 50	120	PESWS-B50D15EX-RM71	$430	PESWS-B50D15AX-RM71	$440	
				208-240	PESWS-B50V24EX-RM71		PESWS-B50V24AX-RM71		

Accessories – Mounting in Control Stations

Contact Block

Replacement Base Mount Contact Blocks for PESW(S)-B9...38

0.015 kg

Description	Contacts	Diagram	Standard Packing	Catalog Number	Price	Multiplier
Single contact blocks to mounting in control stations or DIN rail 35 mm	1NO		1 piece	BC10B-CSW	$5.00	Z5

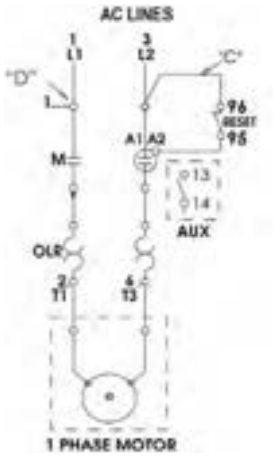
Notes:
- *Overload must be set at 115% of motor FLA.*
- *PESWS – Single-phase version – assembled with 2-pole contactor and 2-pole overload relay.*

Please refer to back cover for description of "NOTES"

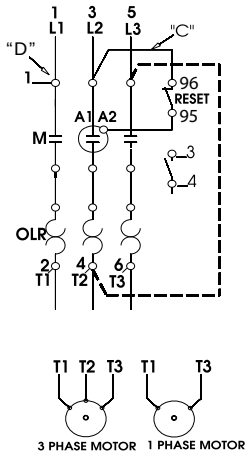
For detailed specifications, data sheets, drawings and performance curves visit http:// www.weg.net

Wiring Diagram

Single-Phase Starter



Three-Phase Starter



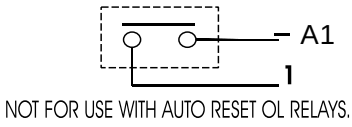
Conversion to single-phase, add jumper wire from L3 to T2 (follow dotted line connection above).

Separate Control

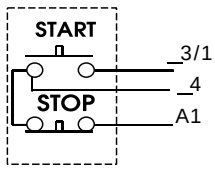
For separate control, remove wires “C” and “D” if supplied and connect separate control lines to terminal Nº 96 on the overload relay and to terminal Nº _3 on the auxiliary contact block (for 3-wire control) or to the contactor coil Nº A1 (for 2-wire control).

Pilot Devices

2-Wire Control



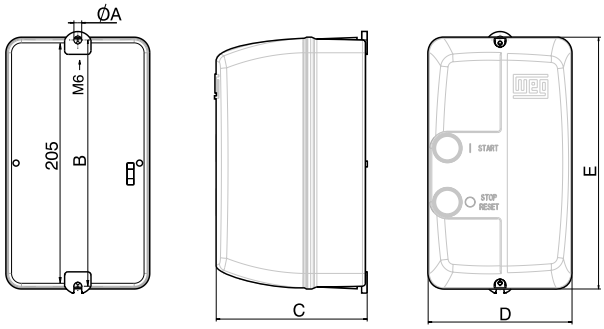
3-Wire Control



Dimensions

Size 05 – mm (in)	Size 08 – mm (in)	Size 10 – mm (in)
øA = 5.5 (0.2165)	øA = 6.0 (0.2)	øA = 7.0 (0.3)
B = 219.0 (8.622)	B = 275 (10.8)	B = 355 (14.0)
C = 112 (4.4331)	C = 143 (5.6)	C = 167 (6.6)
D = 114.0 (4.4882)	D = 180 (7.1)	D = 250 (9.9)
E = 217 (8.5433)	E = 280 (11.0)	E = 360 (14.2)

Provision for Cable Gland Fitting	Standard		
	Top	Bottom	Back
Size 05	2 x 1/2" - 3/4" PG13.5	2 x 1/2" - 3/4" PG13.5	4 X 1/2" PG13.5
Size 08	2 x 3/4" and 1"	2 x 3/4" and 1"	-
Size 10	2 x 3/4" and 1"	2 x 3/4" and 1"	-
	1 x 1" and 1 1/4"	1 x 1" and 1 1/4"	-



For wall mounting on starters size 08 and 10, four screws with the following characteristics should be used:

- Pan, dome or rounded shaped head;
- Starter size 08:
- Screws size 1/4 in (or M6 – ISO Standard);
- Dimensions: diameter thread shall be maximum 1/4 in and diameter head shall be maximum 15/64 in.
- Starter size 10:
- Screws size 12 (or M5 – ISO Standard);
- Dimensions: diameter thread shall be maximum 0.236 in and diameter head shall be maximum 0.394 in.

V.F.D.s and Enclosed Motor Controls

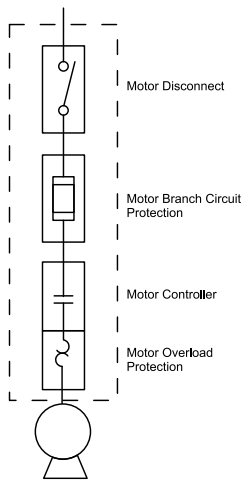
COMBINATION STARTERS

ESWC Series – Combination Starters

High performance and optimized solutions for motor starting and control. WEG offers full voltage non-reversing combination starters, ESWC series, up to 250 HP at 460 VAC (300A) with control power transformers for three-phase applications.

Standard Features

- Multi-rated enclosure type: 1/3R/4/12
- Multi-voltage transformer: primary 208V/230V/460V – secondary 120V
- Branch disconnect: rotary through-the-door handle
- Short-circuit protection: molded case circuit breaker
- Motor control: magnetic IEC contactor
- Overload protection: solid-state overload relay
  - Selectable trip class 10, 20, 30
  - (5:1) ratio adjustable current setting
- Standard Control Devices: RESET, START, STOP, HOA, and RUN LIGHT



ESWC Catalog Number Sequence

ESWC	9	-	TM1	K	9	-	RE1

Product Code
ESWC: Combination Starters

Contactor Size
9: 9A
12: 12A
18: 18A
25: 25A
38: 38A
65: 65A
105: 105A
112: 112A
150: 150A

Control Power Transformer (Pri/Sec)[1]
TM1: 208/230/460 V - 120V1
T5: 600 V - 120V

Control Options
A: RESET, START, STOP
B: RESET, START, STOP, HOA
C: RESET, START/STOP SELECTOR
D: RESET, STOP
E: RESET
I: NONE
J: RESET, START, STOP, RUN LIGHT
K: RESET, START, STOP, HOA, RUN LIGHT
S: RESET, START, HOA

Enclosure Type
9: 1/3R/4/12
0: 4X SS

Electronic Overload Range
RE1: 0.4 - 2.0A
RE2: 1.6 - 8.0A
RE3: 5.0 - 25A
RE4: 8.0 - 40A
RE5: 14 - 56A
RE6: 28 - 112A
RE7: 50 - 250A
RE8: 85 - 420A
RE9: 170 - 840A

Chart intended as reference only and not to create part numbers.

Notes:
1) Wired for 480V primary from the factory. Instructions and fuses provided for 208V - 230V field conversion.

Please refer to back cover for description of "NOTES"

For detailed specifications, data sheets, drawings and performance curves visit http:// www.weg.net

ESWC Series – Full Voltage Non-Reversing Combination Starter (Three Phase)

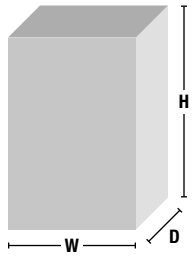
Supply Voltage	Motor HP Range	Overload Range (A)	Metallic Enclosure Type 1/3R/4/12			Multiplier New (Old)
			Catalog Number	List Price	Box Size	
208 VAC	-	0.4-2.0	ESWC-9TM1K9-RE1	$2,120	B-1	Z3C (Z3)
240 VAC	-					
480 VAC	0.5 – 0.75					
600 VAC	0.5 - 1		ESWC-9T5K9-RE1			
208 VAC	0.5 - 1.5	1.6-8.0	ESWC-9TM1K9-RE2	$2,120	B-1	
240 VAC	0.5 - 2					
480 VAC	0.75 - 5					
600 VAC	1 - 5		ESWC-9T5K9-RE2			
208 VAC	1.5 - 3	5.0-25.0	ESWC-12TM1K9-RE3	$2,120	B-1	
240 VAC	1.5 - 3					
480 VAC	5 - 7.5					
600 VAC	5 - 10		ESWC-12T5K9-RE3			
208 VAC	3 - 5	5.0-25.0	ESWC-18TM1K9-RE3	$2,170	B-1	
240 VAC	3 - 5					
480 VAC	7.5 - 10					
600 VAC	10 - 15		ESWC-18T5K9-RE3			
208 VAC	5 - 7.5	8.0-40.0	ESWC-25TM1K9-RE4	$2,170	B-1	
240 VAC	5 - 7.5					
480 VAC	7.5 - 15					
600 VAC	15 - 20		ESWC-25T5K9-RE4			
208 VAC	7.5 - 10	8.0-40.0	ESWC-38TM1K9-RE4	$2,355	B-1	
240 VAC	7.5 - 10					
480 VAC	15 - 25					
600 VAC	20 - 30		ESWC-38T5K9-RE4			
208 VAC	10 - 20	28-112	ESWC-65TM1K9-RE6	$2,652	B-1	
240 VAC	10 - 20					
480 VAC	25 - 40					
600 VAC	30 - 60		ESWC-65T5K9-RE6			
208 VAC	20 - 30	28-112	ESWC-105TM1K9-RE6	$3,455	B-2	
240 VAC	20 - 30					
480 VAC	40 - 75					
600 VAC	50 - 100		ESWC-105T5K9-RE6			
208 VAC	30 - 50	50-250	ESWC-150TM1K9-RE7	$5,500	B-3	
240 VAC	30 - 50					
480 VAC	75 - 125					
600 VAC	75 - 150		ESWC-150T5K9-RE7			
208 VAC	50 - 60	50-250	ESWC-180TM1K9-RE7	$6,540	B-3	
240 VAC	50 - 60					
480 VAC	100 - 150					
600 VAC	125 - 175		ESWC-180T5K9-RE7			
208 VAC	60 - 100	85-420	ESWC-300TM1K9-RE8	$7,600	B-3	
240 VAC	60 - 125					
480 VAC	150 - 250					
600 VAC	175 - 300		ESWC-300T5K9-RE8			

Notes:
- *Wired for 480V primary from the factory. Instructions and fuses provided for 208V - 230V field conversion.*

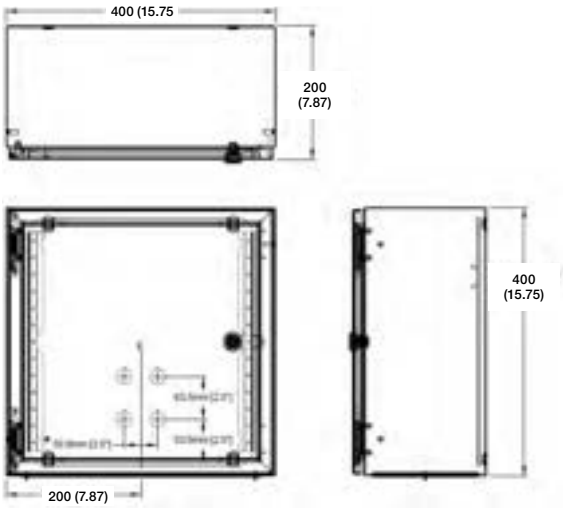
ESWC

Dimensions – mm (inch)

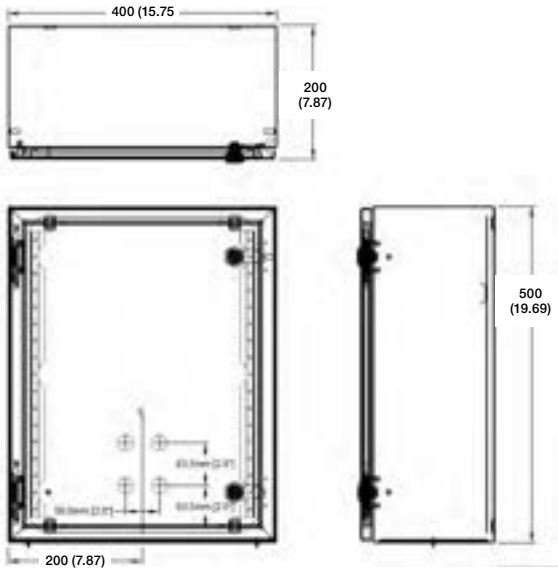
Enclosure Size	Dimensions – mm (inch)		
	H	W	D
B1	400 (15.75)	400 (15.75)	200 (7.87)
B2	500 (19.69)	400 (15.75)	200 (7.87)
B3	800 (31.5)	600 (23.6)	300 (11.8)



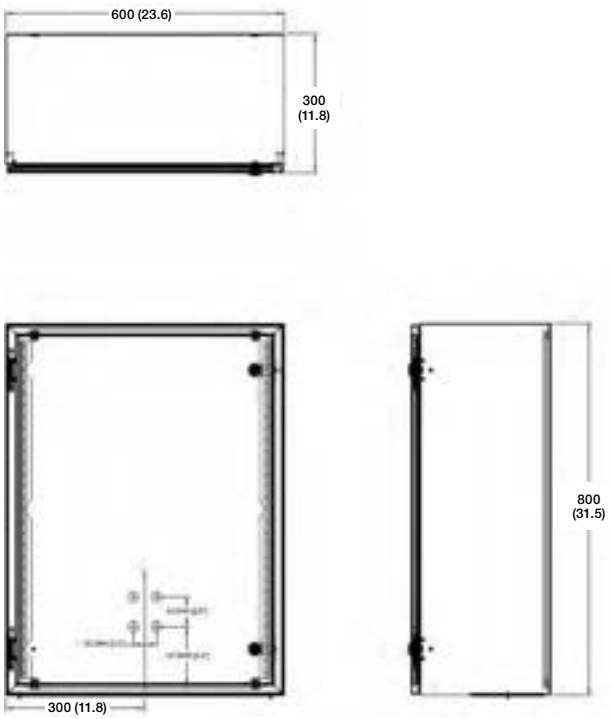
B1 Enclosure



B2 Enclosure



B3 Enclosure



ESWE Series – Combination Starters

High performance and optimized solutions for motor starting and control. WEG offers full voltage non-reversing combination starters, ESWE series, up to 20 HP at 460 VAC (38A) with or without control power transformers for three-phase applications.

Standard Features

- Standard enclosure type: non-metallic 4X
- Control power transformer: with or without
  - CPT primary 575V – secondary 120V
  - CPT primary 480V/240V – secondary 120V
- Branch disconnect: rotary through-the-door handle
- Short-circuit protection: manual motor protector
- Motor control: magnetic IEC contactor
- Overload protection: manual motor protector
- Standard control devices: HAND-OFF-AUTO switch, START-STOP pushbuttons, pilot lights

ESWE Catalog Number Sequence

ESWE	-	B	9	V24	K	X	-	D10

Contactor Series
B: CWB

Contactor Frame Size
9: 9A
12: 12A
18: 18A
25: 25A
38: 38A

Coil Voltage
Without CPT
D02: 24 VAC
D15: 120 VAC
V24:208-240 VAC
D39: 480 VAC
D45: 600 VAC
With CPT
T01: 208V / 120V
T02: 240V / 120V
T03: 277V / 120V
T04: 480V / 120V
T05: 600V / 120V
T06: 208V / 24V
T08: 240V / 24V
T09: 277V / 24V
T0A: 240V / 24V
TOB: 600V / 24V

Control Devices
K: HOA, START, STOP, RESET Pilot Lights

Enclosure Type
X: NEMA 4X

Overload Current Setting
D01: 0.1 - 0.16A
D02: 0.16 - 0.25A
D03: 0.25 - 0.4A
D04: 0.4 - 0.63A
D05: 0.63 - 1A
D06: 1 - 1.6A
D07: 1.6 - 2.5A
D08: 2.5 - 4A
D09: 4 - 6.3A
D10: 6.3 - 10A
D11: 10 - 16A
D12: 16 - 20A
D13: 20 - 25A
D14: 25 - 32A

Chart intended as reference only and not to create part numbers.

ESWE

Combination Type E Across The Line Starter

- Branch disconnect: rotary through-the-door handle
- Short-circuit protection: manual motor protection
- Motor control: magnetic contactor
- Overload protection: manual motor protection
- Control devices: HAND-OFF-AUTO switch, START-STOP pushbutton, pilot lights

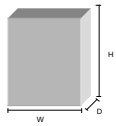
Three-Phase Without CPT – Enclosure Type 4X

Combination Type E Across the Line Starter

Max 3-ph HP Motors				Overload Setting Range (A)	Coil Voltage (VAC)[1]	Non-Metallic Enclosure Type 4X			Multiplier New (Old)
200V	230V	460V	575V			Catalog Number	List Price	Box Size	
-	-	1/2	1/2	0.63 - 1.0	120	ESWE-B9D15KX-D05	$855	E-1	
					480	ESWE-B9D39KX-D05			
1/4	1/3	3/4	1	1.0 - 1.6	120	ESWE-B9D15KX-D06			
					208-240	ESWE-B9V24KX-D06	$855	E-1	
					480	ESWE-B9D39KX-D06			
1/2	1/2	1 1/2	1 1/2	1.6 - 2.5	120	ESWE-B9D15KX-D07			
					208-240	ESWE-B9V24KX-D07	$855	E-1	
					480	ESWE-B9D39KX-D07			
3/4	1	2	3	2.5 - 4.0	120	ESWE-B9D15KX-D08			
					208-240	ESWE-B9V24KX-D08	$855	E-1	
					480	ESWE-B9D39KX-D08			
1 1/2	1 1/2	3	5	4.0 - 6.3	120	ESWE-B9D15KX-D09			
					208-240	ESWE-B9V24KX-D09	$855	E-1	Z3C (Z3)
					480	ESWE-B9D39KX-D09			
3	3	5	7 1/2	6.3 - 10	120	ESWE-B9D15KX-D10			
					208-240	ESWE-B9V24KX-D10	$865	E-1	
					480	ESWE-B9D39KX-D10			
5	5	10	15	10 - 16	120	ESWE-B18D15KX-D11			
					208-240	ESWE-B18V24KX-D11	$875	E-1	
					480	ESWE-B18D39KX-D11			
7 1/2	7 1/2	15	15	16 - 20	120	ESWE-B25D15KX-D12			
					208-240	ESWE-B25V24KX-D12	$900	E-1	
					480	ESWE-B25D39KX-D12			
10	10	20	25	25 - 32	120	ESWE-B38D15KX-D14			
					208-240	ESWE-B38V24KX-D14	$990	E-1	
					480	ESWE-B38D39KX-D14			

Three-Phase with CPT – Enclosure Type 4X

Max 3-ph HP Motors				Overload Setting Range (A)	Coil Voltage (VAC) (prim. / sec.)	Non-Metallic Enclosure Type 4X			Multiplier New (Old)
200V	230V	460V	575V			Catalog Number	List Price	Box Size	
-	-	1/2	1/2	0.63 - 1.0	480 / 120	ESWE-B9T04KX-D05	$1,140	E-1	
					575 / 120	ESWE-B9T05KX-D05			
1/4	1/3	3/4	1	1.0 - 1.6	240 / 120	ESWE-B9T02KX-D06			
					480 / 120	ESWE-B9T04KX-D06	$1,140	E-1	
					575 / 120	ESWE-B9T05KX-D06			
1/2	1/2	1 1/2	1 1/2	1.6 - 2.5	240 / 120	ESWE-B9T02KX-D07			
					480 / 120	ESWE-B9T04KX-D07	$1,140	E-1	
					575 / 120	ESWE-B9T05KX-D07			
3/4	1	2	3	2.5 - 4.0	240 / 120	ESWE-B9T02KX-D08			
					480 / 120	ESWE-B9T04KX-D08	$1,140	E-1	
					575 / 120	ESWE-B9T05KX-D08			
1 1/2	1 1/2	3	5	4.0 - 6.3	240 / 120	ESWE-B9T02KX-D09			
					480 / 120	ESWE-B9T04KX-D09	$1,140	E-1	Z3C (Z3)
					575 / 120	ESWE-B9T05KX-D09			
3	3	5	7 1/2	6.3 - 10	240 / 120	ESWE-B9T02KX-D10			
					480 / 120	ESWE-B9T04KX-D10	$1,140	E-1	
					575 / 120	ESWE-B9T05KX-D10			
5	5	10	15	10 - 16	240 / 120	ESWE-B18T02KX-D11			
					480 / 120	ESWE-B18T04KX-D11	$1,155	E-1	
					575 / 120	ESWE-B18T05KX-D11			
7 1/2	7 1/2	15	15	16 - 20	240 / 120	ESWE-B25T02KX-D12			
					480 / 120	ESWE-B25T04KX-D12	$1,175	E-1	
					575 / 120	ESWE-B25T05KX-D12			
10	10	20	25	25 - 32	240 / 120	ESWE-B38T02KX-D14			
					480 / 120	ESWE-B38T04KX-D14	$1,260	E-1	
					575 / 120	ESWE-B38T05KX-D14			

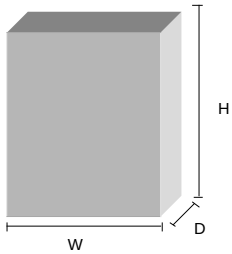


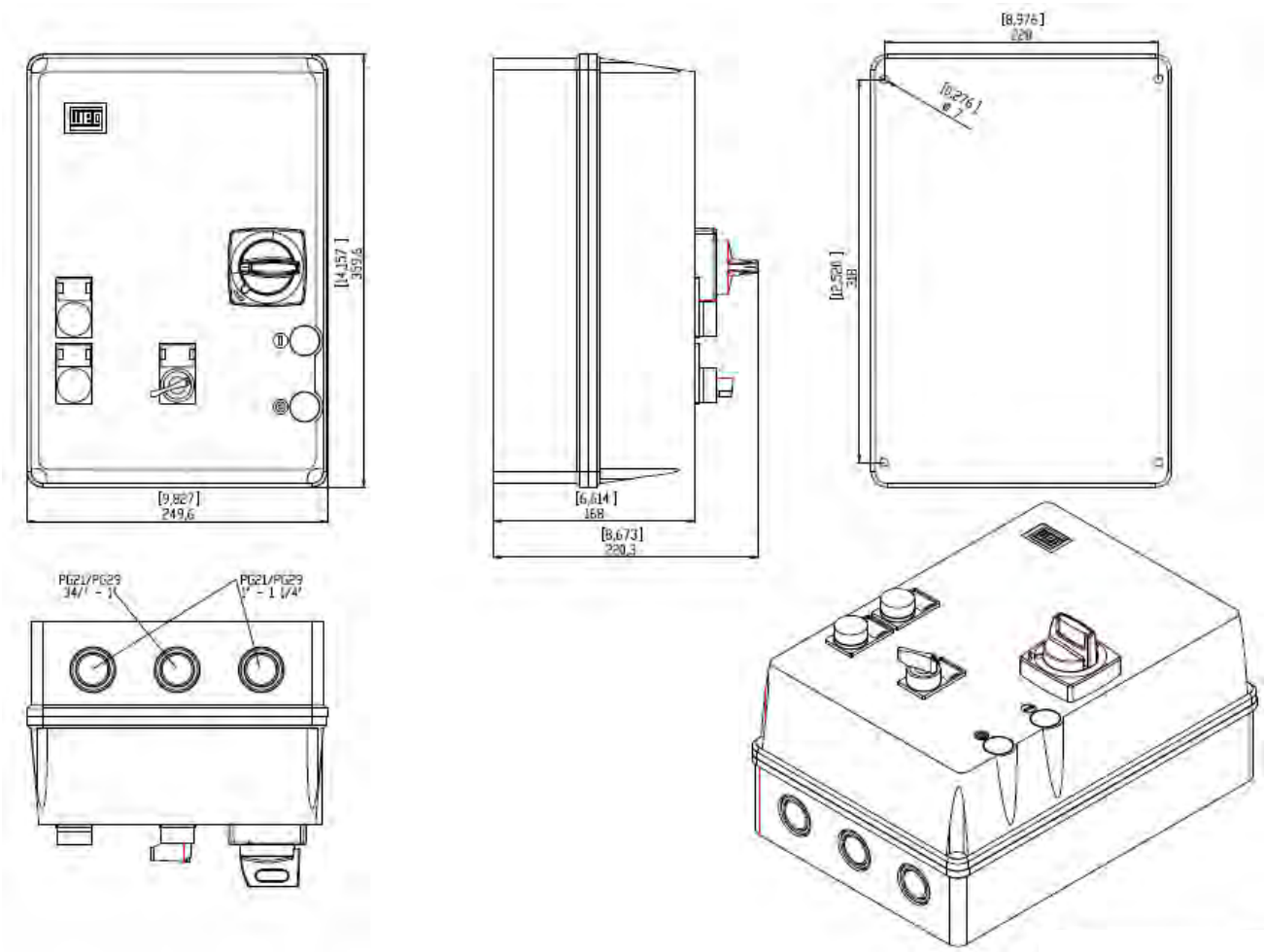
Dimensions (in)			
Box Size	Enclosure Size		
	H	W	D
E-1	14.2	9.9	6.6

Notes:
1) Please contact your local WEG representative for starters with 575V coil voltage.
• 3-phase starters with 120V coil are pre-wired for separate control
• 3-phase starters can be wired for single-phase applications

Dimensions (in) – ESWE Series

Enclosure Size	Dimensions (in)		
	H	W	D
E-1	14.2	9.9	6.6





ESWX Series – Hazardous Location Starters

Motor Control for Hazardous Areas: Class I, Groups C & D – Class II, Groups E, F, G

WEG Explosion Proof Motors Starters are the perfect compliment for motor control in hazardous and industrial environments. Applications include oil and gas, mining, and chemical processing industries.

ESWX-M Series – Enclosed Manual Motor Starters

- High short-circuit interrupting rating – up to 50 kA at 480V
- Thermal overload protection Class 10
- Phase loss sensitivity protection
- Ambient temperature compensation -4ºF+140ºF (-20ºC +60ºC)
- Lockable rotary handle mechanism for disconnect
- Snap-in accessories
- Finger safe protected terminals
- Test trip feature
- Manual motor starters
- Suitable for motor disconnect applications

ESWX Series – Enclosed Starters

- Copper free aluminum alloy body
- Bolted flange design
- Durable cast on lugs
- Watertight 'O' rings for NEMA applications
- Hinged door for easier access
- NEMA 7 / 9 housing
- Class I, Groups C and D - Class II, Groups E, F, G
- Starter includes contactor plus overload relay
- START, STOP, and RESET buttons (standard)
- HOA or pilot light (optional)
- Available up to 75 HP at 460 VAC – 100 A
- NEMA rated starters available from size 00 to size 3 on request

ESWX-M25 Series

- NEMA 4X / 7 / 9 housing
- Hinged cover for easy access
- ON / OFF – rotary handle
- Lockable in OFF position
- Available up to 20 HP at 460 VAC – 32A

ESWX-M25 – Product Selection

Max 3 Phase UL HP			Thermal Setting (A)	Short-Circuit Interrupting Capacity		Catalog Number	List Price	Multiplier
Three-Phase								
230V	460V	575V		480 VAC	600 VAC			
-	1/2	1/2	0.63 - 1.0	50 kA	25 kA	ESWX-M25R79-U001	$2,200	Z33
-	3/4	3/4	1.0 - 1.6	50 kA	25 kA	ESWX-M25R79-D016	$2,200	
1/2	1	1 1/2	1.6 - 2.5	50 kA	25 kA	ESWX-M25R79-D025	$2,200	
3/4	2	3	2.5 - 4.0	50 kA	25 kA	ESWX-M25R79-U004	$2,200	
1 1/2	3	5	4.0 - 6.3	50 kA	25 kA	ESWX-M25R79-D063	$2,200	
3	5	7 1/2	6.3 - 10	50 kA	25 kA	ESWX-M25R79-U010	$2,200	
5	10	15	10 - 16	50 kA	25 kA	ESWX-M25R79-U016	$2,200	
7 1/2	15	15	16 - 20	50 kA	25 kA	ESWX-M25R79-U020	$2,200	
7 1/2	15	20	20 - 25	50 kA	25 kA	ESWX-M25R79-U025	$2,200	
10	20	25	25 - 32	42 kA	25 kA	ESWX-M25R79-U032	$2,200	

ESWX-M65 Series

- NEMA 4X / 7 / 9 housing
- Hinged cover for easy access
- ON / OFF – rotary handle
- Lockable in OFF position
- Available up to 50 HP at 460 VAC – 65A

ESWX-M65 – Product Selection

Max 3 Phase UL HP			Thermal Setting (A)	Short-Circuit Interrupting Capacity		Catalog Number	List Price	Multiplier
Three-Phase								
230V	460V	575V		480 VAC	600 VAC			
15	25	30	32 - 40	35 kA	10 kA	ESWX-M65R79-U040	$2,600	Z33
15	30	40	40 - 50	35 kA	10 kA	ESWX-M65R79-U050	$2,600	
20	50	60	50 - 65	35 kA	10 kA	ESWX-M65R79-U065	$2,600	

ESWX-M100 Series

- NEMA 4X / 7 / 9 housing
- Hinged cover for easy access
- ON / OFF – rotary handle
- Lockable in OFF position
- Available up to 75 HP at 460 VAC – 100A

ESWX-M100 – Product Selection

Max 3 Phase UL HP			Thermal Setting (A)	Short-Circuit Interrupting Capacity		Catalog Number	List Price	Multiplier
Three-Phase								
230V	460V	575V		480 VAC	600 VAC			
25	50	60	55 - 75	50 kA	10 kA	ESWX-M100R79-U075	$3,350	Z33
30	60	75	70 - 90	50 kA	10 kA	ESWX-M100R79-U090	$3,350	
30	75	100	80 - 100	50 kA	10 kA	ESWX-M100R79-U100	$3,350	

ESWX

Accessories for MPW18 / 40 / 80 – Summary

Description	Catalog Number	List Price	Multiplier
Auxiliary Contact Blocks			
1NO & 1NC auxiliary contact block front mounting – 250V max	ACBF-11	$20	Z4
1NO & 1NC auxiliary contact block left side mounting – 600V max	ACBS-11	$22	
2NO Auxiliary contact block left side mounting – 600V max	ACBS-20	$22	
2NC Auxiliary contact block left side mounting – 600V max	ACBS-02	$22	
Undervoltage and Shunt Release Blocks			
Shunt release block right side mounting – 20-24V 50/60 Hz	SRMP D51	$56	Z4
Shunt release block right side mounting – 100-127V 50/60 Hz	SRMP D59	$56	
Shunt release block right side mounting – 200-240V 50/60 Hz	SRMP D65	$56	
Undervoltage release block right side mounting – 24V 60 Hz	URMP D02	$56	
Undervoltage release block right side mounting – 120V 60 Hz	URMP V18	$56	
Undervoltage release block right side mounting – 208V 60 Hz	URMP V23	$56	
Undervoltage release block right side mounting – 240V 60 Hz	URMP V30	$56	
Undervoltage release block right side mounting – 480V 60 Hz	URMP V47	$56	

Accessories For MPW100 – Summary

Description	Catalog Number	List Price	Multiplier
Auxiliary Contact Blocks			
1NO & 1NC auxiliary contact block front mounting – 250V max	ACBF-11 MPW100	$35	Z4
1NO & 1NC auxiliary contact block left side mounting – 600V max	ACBS-11 MPW100	$27	
2NO Auxiliary contact block left side mounting – 600V max	ACBS-20 MPW100	$27	
2NC Auxiliary contact block left side mounting – 600V max	ACBS-02 MPW100	$27	
Undervoltage and Shunt Release Blocks			
Shunt release block right side mounting – 120V 50/60 Hz	SRMP V18 MPW100	$56	Z4
Shunt release block right side mounting – 240-260V 60 Hz	SRMP V33 MPW100	$56	
Undervoltage release block right side mounting – 120V 60 Hz	URMP V18 MPW100	$56	
Undervoltage release block right side mounting – 240V 60 Hz	URMP V33 MPW100	$56	
Undervoltage release block right side mounting – 460V 60 Hz	URMP V43 MPW100	$56	

NEMA 7/9 Enclosure – Three Phase

- Motor control: magnetic contactor
- Overload protection: thermal overload relay
- Control devices: START, STOP and RESET pushbuttons
  - One additional pilot device available as modification; ex. I-HOA or I-indicator light
- Cast aluminum NEMA 7/9 housing with NEMA 4 gasket
  - Breather and drain available on request

ESWX Series – Non-combination Across The Line Starter for use in Hazardous Areas
Enclosure Type NEMA 7/9

Max UL 3 Phase Horsepower				Box	Setting Range (A)	Coil Voltage (V)	RESET only		START + STOP + RESET		Multiplier
200V	230V	460V	575V				Catalog Number	List Price	Catalog Number	List Price	
-	1/3	1/2	-	X04	0.8 - 1.2	120	ESWX-25V18E79-R23	$3,250	ESWX-25V18A79-R23	$3,850	Z33
						208-240	ESWX-25V24E79-R23		ESWX-25V24A79-R23		
						480	ESWX-25V47E79-R23		ESWX-25V47A79-R23		
-	-	1	1	X04	1.2 - 1.8	120	ESWX-25V18E79-R24	$3,250	ESWX-25V18A79-R24	$3,850	
						480	ESWX-25V47E79-R24		ESWX-25V47A79-R24		
1/2	3/4	1 1/2	2	X04	1.8 - 2.8	120	ESWX-25V18E79-R25	$3,250	ESWX-25V18A79-R25	$3,850	
						208-240	ESWX-25V24E79-R25		ESWX-25V24A79-R25		
						480	ESWX-25V47E79-R25		ESWX-25V47A79-R25		
1	1	2	3	X04	2.8 - 4.0	120	ESWX-25V18E79-R26	$3,250	ESWX-25V18A79-R26	$3,850	
						208-240	ESWX-25V24E79-R26		ESWX-25V24A79-R26		
						480	ESWX-25V47E79-R26		ESWX-25V47A79-R26		
1 1/2	1 1/2	3	5	X04	4.0 - 6.3	120	ESWX-25V18E79-R27	$3,250	ESWX-25V18A79-R27	$3,850	
						208-240	ESWX-25V24E79-R27		ESWX-25V24A79-R27		
						480	ESWX-25V47E79-R27		ESWX-25V47A79-R27		
2	2	5	-	X04	5.6 - 8.0	120	ESWX-25V18E79-R28	$3,250	ESWX-25V18A79-R28	$3,850	
						208-240	ESWX-25V24E79-R28		ESWX-25V24A79-R28		
						480	ESWX-25V47E79-R28		ESWX-25V47A79-R28		
3	3	-	7 1/2	X04	7.0 - 10	120	ESWX-25V18E79-R29	$3,250	ESWX-25V18A79-R29	$3,850	
						208-240	ESWX-25V24E79-R29		ESWX-25V24A79-R29		
-	-	7 1/2	10	X04	8.0 - 12.5	120	ESWX-25V18E79-R30	$3,250	ESWX-25V18A79-R30	$3,850	
						480	ESWX-25V47E79-R30		ESWX-25V47A79-R30		
5	5	10	15	X04	11 - 17	120	ESWX-25V18E79-R32	$3,250	ESWX-25V18A79-R32	$3,850	
						208-240	ESWX-25V24E79-R32		ESWX-25V24A79-R32		
						480	ESWX-25V47E79-R32		ESWX-25V47A79-R32		
7 1/2	7 1/2	15	-	X04	15 - 23	120	ESWX-25V18E79-R33	$3,250	ESWX-25V18A79-R33	$3,850	
						208-240	ESWX-25V24E79-R33		ESWX-25V24A79-R33		
						480	ESWX-25V47E79-R33		ESWX-25V47A79-R33		
10	10	20	25	X04	22 - 32	120	ESWX-40V18E79-R34	$3,300	ESWX-40V18A79-R34	$3,950	
						208-240	ESWX-40V24E79-R34		ESWX-40V24A79-R34		
						480	ESWX-40V47E79-R34		ESWX-40V47A79-R34		
10	15	30	-	X04	25 - 40	120	ESWX-40V18E79-R35	$3,300	ESWX-40V18A79-R35	$3,950	
						208-240	ESWX-40V24E79-R35		ESWX-40V24A79-R35		
						480	ESWX-40V47E79-R35		ESWX-40V47A79-R35		
15	15	30	40	X04	32 - 50	120	ESWX-80V18E79-R38	$3,400	ESWX-80V18A79-R38	$4,050	
						208-240	ESWX-80V24E79-R38		ESWX-80V24A79-R38		
						480	ESWX-80V47E79-R38		ESWX-80V47A79-R38		
20	20	40	50	X04	40 - 57	120	ESWX-80V18E79-R39	$3,400	ESWX-80V18A79-R39	$4,050	
						208-240	ESWX-80V24E79-R39		ESWX-80V24A79-R39		
						480	ESWX-80V47E79-R39		ESWX-80V47A79-R39		
-	25	50	60	X04	57 - 70	120	ESWX-80V18E79-R41	$3,420	ESWX-80V18A79-R41	$4,050	
						208-240	ESWX-80V24E79-R41		ESWX-80V24A79-R41		
						480	ESWX-80V47E79-R41		ESWX-80V47A79-R41		
25	30	60	75	Consult Factory	63 - 80	120	ESWX-105V18E79-R43	$4,870	ESWX-105V18A79-R43	$5,600	
						208-240	ESWX-105V24E79-R43		ESWX-105V24A79-R43		
						480	ESWX-105V47E79-R43		ESWX-105V47A79-R43		
30	-	75	-	Consult Factory	75 - 97	120	ESWX-105V18E79-R44	$4,870	ESWX-105V18A79-R44	$5,600	
						480	ESWX-105V47E79-R44		ESWX-105V47A79-R44		
-	40	-	-	Consult Factory	90 - 112	120	ESWX-105V18E79-R45	$4,870	ESWX-105V18A79-R45	$5,600	
						208-240	ESWX-105V24E79-R45		ESWX-105V24A79-R45		

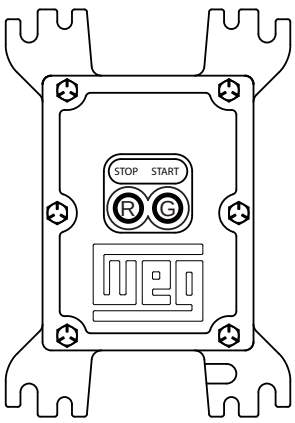
Notes:
- *Overload Relay dial must be set with FLA of the motor.*
- *3-phase starters with 120V coil are pre-wired for separate control.*
- *3-phase starters can be wired for single-phase applications.*

ESWX

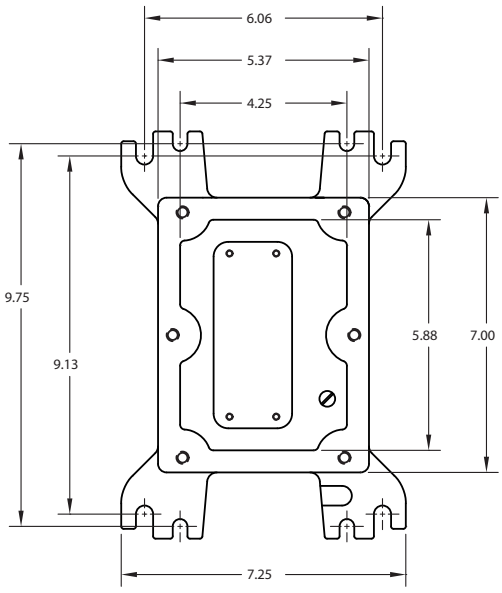
Dimensions – Inch

Explosion Proof Manual Starters

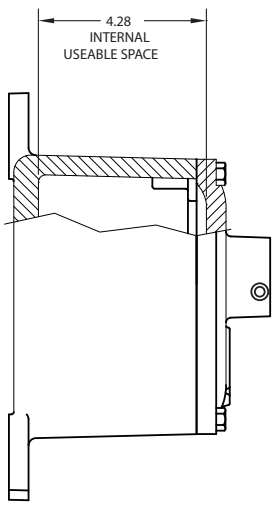
ESWX-M16

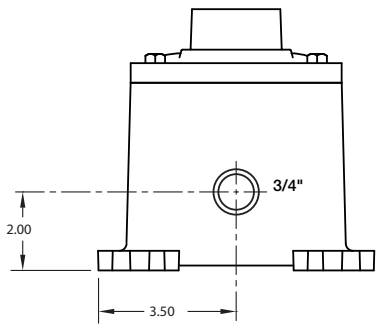


FRONT



FRONT
(w/DOOR REMOVED)





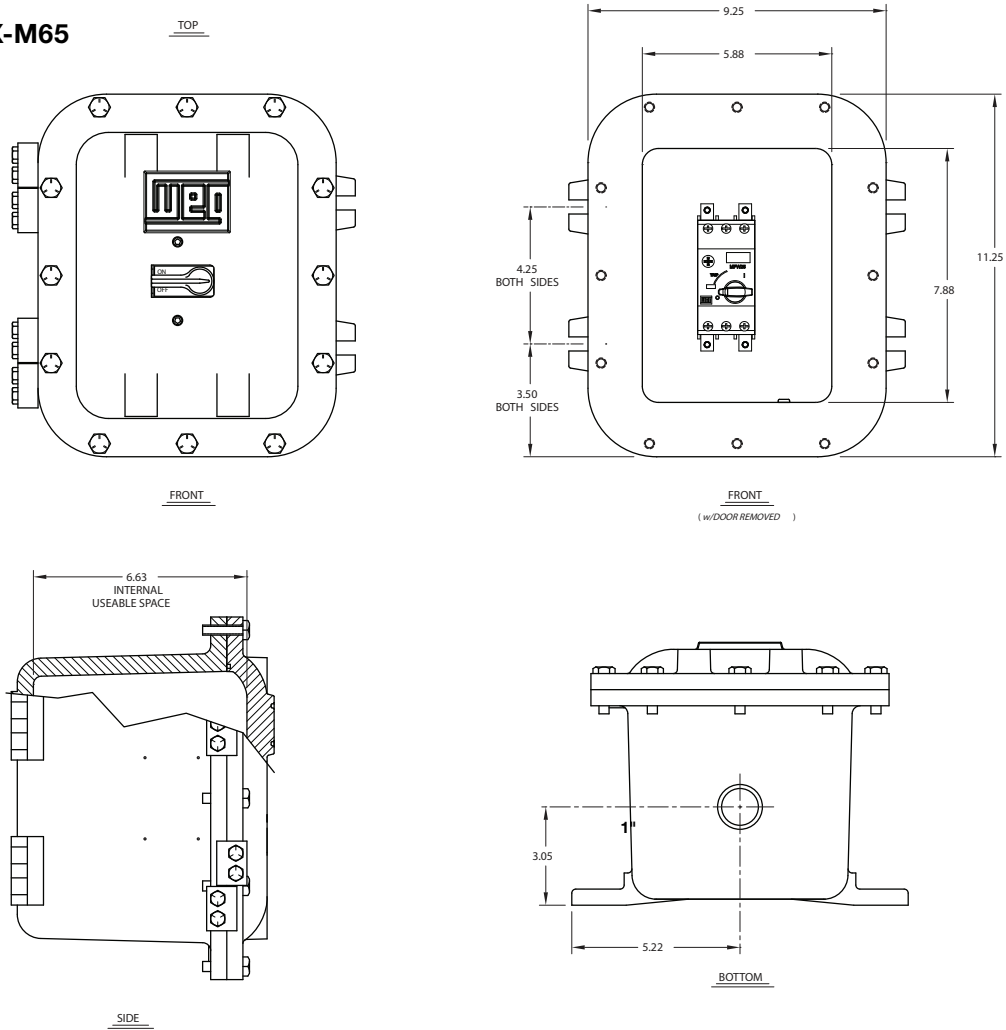
BOTTOM

Certifications
Class I, Groups C & D
Class II, Groups E, F, & G
UL Standard 1203 (Classified)
NEMA 7 (C&D), 9 (E, F, & G)

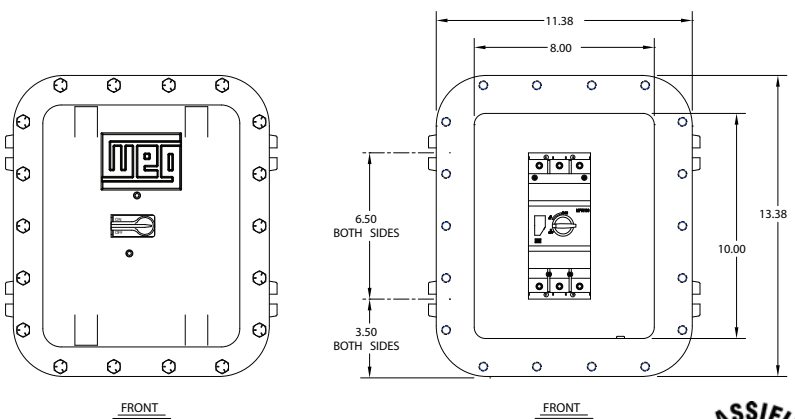
Dimensions – Inch

Explosion Proof Manual Starters

ESWX-M25 and ESWX-M65



ESWX-M100



Certifications
Class I, Groups C & D
Class II, Groups E, F, & G
UL Standard 1203 (Classified)
NEMA 7 (C&D), 9 (E, F, & G)

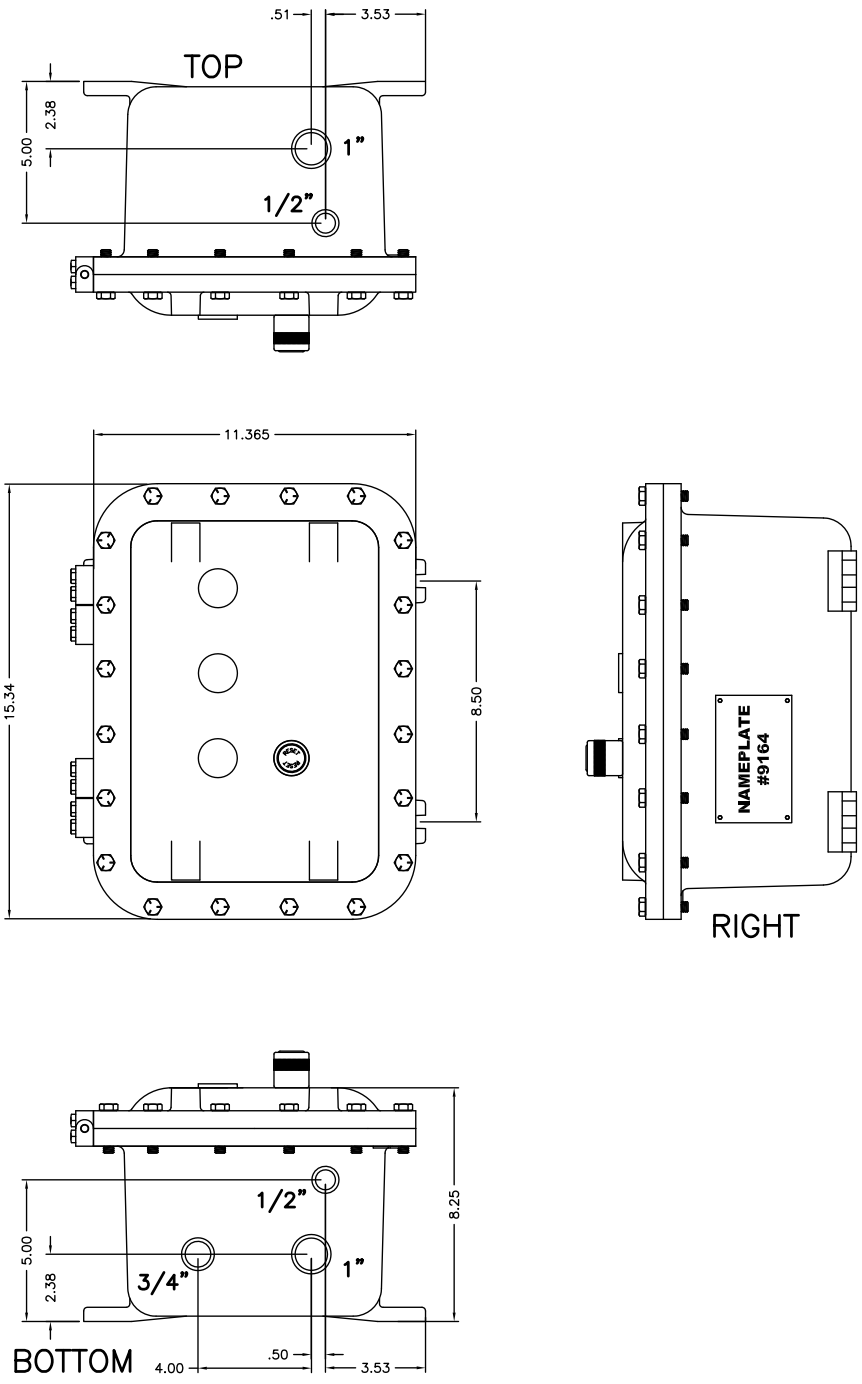
V.F.D.s and Enclosed Motor Controls

ESWX

Dimensions – Inch

Explosion Proof Non-Combination Starters

ESWX Series: Type-NEMA 7/9 – Cast Aluminum Enclosure



CUSTOM CONTROL PANELS

DATA WORKSHEET AND REQUEST FOR QUOTE

REP*		ASE*		NEED QUOTE BY*	
TAM*		TSS*		REQUESTED SHIP DATE*	

1. CUSTOMER INFO:

1.1 COMPANY NAME		1.3 CUSTOMER PHONE	
1.2 CONTACT NAME		1.4 END USER NAME	

2. SUPPORTING PRODUCT INFO:

2.1 PRODUCT INFO*	
2.1.A ENTER P/N	

3. LOAD DATA:

3.1 MOTOR HP*		3.2 MOTOR FLA*		3.3 SERVICE FACTOR	
3.4 OTHER LOAD DATA					

4. POWER AND WIRING:

4.1 PHASE*		4.2 INCOMING VOLTAGE (V)*	
4.3 FREQUENCY*		4.4 PORTABLE GENERATOR POWER?*	

5. APPLICATION & ENVIRONMENT:

5.1 STARTING METHOD*		5.1.A OTHER STARTING METHOD?*			
5.2 ENCLOSURE TYPE* (METALIC TYPE 1, 12, ETC		5.3 SPECIFY AMBIENT TEMPERATURE IF UNIT INSTALLED OUTDOORS		5.4 SPECIFY ALTITUED IF UNIT INTSTALLED ABOVE 6,5000 FT	
5.5 REPLACING STANDARD NEMA SIZE?*		5.6 MAXIMUM NUMBER OF STARTS PER HOUR*		5.7 OTHER INFORMATION	

6. CIRCUIT PROTECTION:

6.1 PROTECTIVE DEVICE*		7.1 COMMON CONTROL (SAME AS VOLTAGE TO MOTOR?)*		7.2 CPT REQUIRED?*	
6.1.A OTHER PROTECTIVE DEVICE		7.3 TRANSFORMER WITH EXTRA VA CAPACITY?*			

7. CONTROL CIRCUIT:

8. COVER MOUNTED 22mm DEVICES: (IF YES, ENTER QUANTITIES)

22MM RESET PBS ARE CONSIDERED BASED ON PANEL CONFIGURATION. IF RESET PBS ARE NOT NEEDED, PLEASE SPECIFY.

8.1 START/STOP PUSH BUTTONG		8.2 H-O-A SELECTOR SWITCH		8.3 OFF-ON SELECTOR SWITCH		8.4 RUN LIGHT		8.5 POWER ON LIGHT		8.6 E-STOP PUSH BUTTON	
8.7 OTHER (SPECIFY)											

9. OTHER SPECIFICATIONS:

*REQUIRED FIELDS

WHEN COMPLETED, PLEASE CONTACT YOUR REQIONAL WEG SALES SPECIALIST AT 1-900-ASK-4WEG (275-4934) FOR DIRECTIONS ON SUBMITTAL FOR QUTATION. WEG CAN HELP YOU COMPLETE ANY FURTHER PERTINENT INFORMATION TO QUOTE.

SSW7000 Series – Medium Voltage Soft-Starter

WEG's SSWW7000 medium voltage solid-state soft starter is an industrial general-purpose starter package for starting and protecting medium voltage (MV) AC motors.

Designed to be rugged, reliable and safe, the SSW7000 is a simple and cost effective solution for demanding applications.

Key Features & Advantages

- Four 160 V and 2300 V models in stock (NEMA 12 and NEMA 3R) up to 3000 HP (higher voltages and powers available)
- Suitable for service entrance
- Motor protections active in both DOL and RUN modes eliminating the need for expensive motor protection relays for backup protection
- Pump control utilizes a specific algorithm for centrifugal pumps designed to minimize water hammer and pressure overshoots
- SoftPLC function with license-free software
- Flexible Torque Control (FTC) allows adjusting starting torque limit curve with three points (ideal for quadratic loads)
- Motor thermal protection via PT100 monitoring available (up to eight channels)

Accessories

- PT100 monitoring (8x channels)
- Network communication modules
- FLASH memory module

Features that make a difference:

- Assembled and stocked in the US
- NEMA 12 and NEMA 3R enclosures available
- Emergency DOL start capability (ATL bypass)
- Oriented startup for easy commissioning
- UL 347 listed
- Ground fault monitoring standard

SSW7000C Catalog Number Sequence

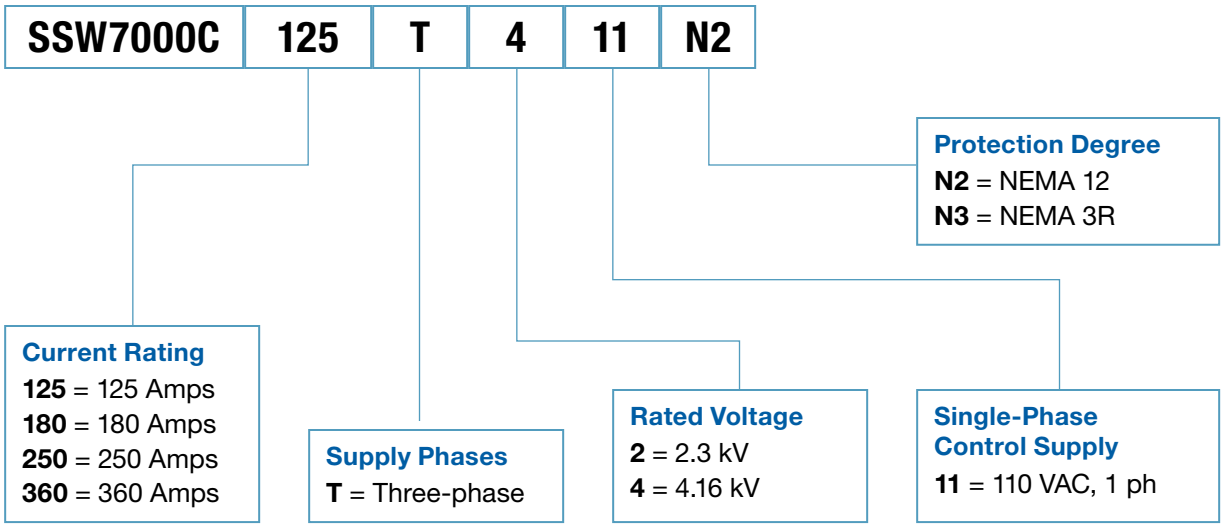


Chart intended as reference only and not to create part numbers.

Rating

Power Supply	Model	Rated Current	Motor Power		List Price	Multiplier
			HP[1]	kW		
NEMA 12						
2300V, 3PH, 60 Hz	SSW7000C125T211N2	125 A	550	410	**$55,750**	E3
	SSW7000C180T211N2	180 A	750	560	**$58,665**	
	SSW7000C250T211N2	250 A	1100	800	**$65,195**	
	SSW7000C360T211N2	360 A	1500	1100	**$67,430**	
4160V, 3PH, 60 Hz	SSW7000C125T411N2	125 A	1000	750	**$63,950**	
	SSW7000C180T411N2	180 A	1500	1100	**$67,195**	
	SSW7000C250T411N2	250 A	2000	1500	**$75,235**	
	SSW7000C360T411N2	360 A	3000	2250	**$77,980**	
NEMA 3R						
2300V, 3PH, 60 Hz	SSW7000C125T211N3	125 A	550	410	**$60,820**	E3
	SSW7000C180T211N3	180 A	750	560	**$63,725**	
	SSW7000C250T211N3	250 A	1100	800	**$70,255**	
	SSW7000C360T211N3	360 A	1600-	1190	**$73,020**	
4160V, 3PH, 60 Hz	SSW7000C125T411N3	125 A	1000	750	**$69,015**	
	SSW7000C180T411N3	180 A	1500	1100	**$72,250**	
	SSW7000C250T411N3	250 A	2000	1500	**$80,295**	
	SSW7000C360T411N3	360 A	3000	2250	**$83,550**	

Notes:
1) The motor power ratings given above are based on WEG 4-pole motors, 4.16kV, 60-Hz, PF=0.87, Eff=0.97, SF=1. For applications with high overloads or special starting conditions, contact WEG's sales force. Current Rating of SSW7000C must be calculated based on the information on load type, load speed/torque curve and required number of starts per hour.All models are available in 220V, 1Ph control voltage.

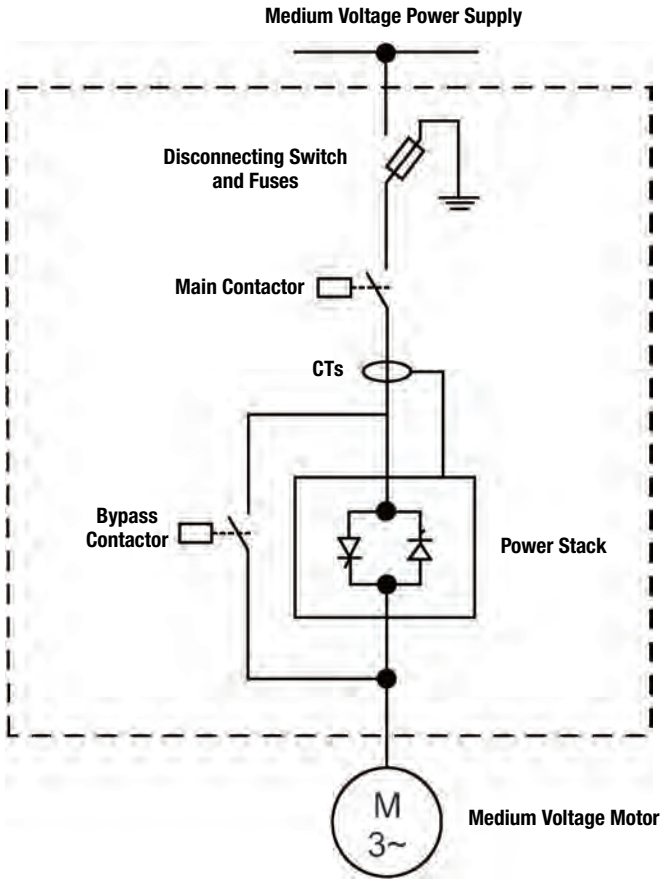
Options & Accessories

Reference	Description	Slot	List Price	Multiplier
Control accessories to install in Slots 1, 2 and 3				
IOE-04	Module for 8 temperature sensors PT100	1 and 2	**$2795**	E3
RS485-01	RS-485 serial communication module (Modbus)	3	**$240**	
RS232-01	RS-232C serial communication module (Modbus)		**$180**	
RS232-02	RS-232C serial communication module with switch to program the microcontroller FLASH memory		**$180**	
Anybus-CA Accessories to install in Slots 4				
PROFDP-05	Profibus DP interface module	4	**$1100**	E3
DEVICENET-05	Devicenet interface module			
ETHERNET/IP-05	EtherNet/IP interface module			
RS232-05	RS-232 interface module (passive) (Modbus)		**$290**	
RS485-05	RS485 interface module (passive) (Modbus)		**$360**	
Flash Memory Module to install in Slot 5 - Included in Standard Models				
MMF-01	FLASH memory module	5	**$71**	V1
Other Accessories				
HMI-01	Man Machine Interface – MMI (sold separately)	-	**$320**	V1
RHMIF-01	Frame kit for MMI (protection rate IP56)		**$69**	

Dimensions (in)

Same for NEMA 12 and NEMA 3R.

Line Diagram



Protections

ANSI/IEEE C37.2	Function/Protection Feature	Standard	Option
19	Reduced voltage starting and bypass	■	
27	Undervoltage protection	■	
37	Undercurrent protection	■	
46	Phase-balance current protection	■	
47	Phase sequence	■	
48	Incomplete sequence	■	
50	Instantaneous overcurrent trip	■	
51	Overcurrent trip	■	
55	Power factor check	■	
59	Overvoltage	■	
81	Frequency check	■	
86	Lockout relay: electronic	■	
50N/51G	Ground fault detection instantaneous and fault-current	■	
49 & 38	Winding temperature and bearing temperature		□

MEDIUM VOLTAGE STARTERS

Standard Features

- Motor voltage: 2.3kV, 4.16kV
- Power: up to 3000 HP
- Protection degree: NEMA 12, NEMA 3R
- Operating interface (HMI) with graphic LCD
- Real time clock
- Main and bypass vacuum contactors
- Emergency direct on line (DOL) start capability (ATL bypass)
- Medium voltage fuses
- Power and control insulated by fiber optics
- SoftPLC Function
- License Free programming software SuperDrive and WLP (WEG Ladder Programmer)
- Motor thermal protection – PT100 (accessory), eight channels
- Ground Fault Protection – standard
- Five start modes
- Network communication boards (accessories): DeviceNet, Profibus-DP, Ethernet and Modbus, RS-232 or RS-485

Advantages

- Flexible Torque control
- Overload capacity of 400% for 20s. (2x / hour duty cycle)
- Management of Demand restrictions by the electric company
- Bump-less starting
- Motor protection
- Mechanical wear reduction
- Handles lower inrush current limitations of power supply

Special Features

- Clean assembly with easy accessibility to all components.
- Flexible Torque Control (FTC), by employing torque estimation using vector control principle and measurement of input voltage, output voltage and output current. This provides more accurate torque set-points, compared to estimating torque values only via current measurement.
- Active Protection offers complete motor protection in DOL START and RUN mode. This eliminates need for any expensive motor protection relays for backup protection.
- Ground Fault protection is standard.
- Thermal performance curves (TPCs) setup and selection that eliminates need for third party expensive protection relays.
- SoftPLC function with license-free software.
- Nickel plated busbars and bus-stub connections provide corrosion resistance and ensure proper electrical connection.
- Power connection terminals for TOP or BOTTOM motor connection (bottom only for NEMA 3R).
- Operator Interface (keypad, parameter setup) is identical to that of WEG's low voltage starter products.
- Successfully tested per International Building Code 2018 (IBC 2018) and California Building Code 2019 (CBC 2019).

CERTIFICATIONS

Technical Data

Power Supply	Power voltage (R/1 L1, S/3L2, T/5L3)	Low voltage test: 500 VAC: (-60% to +10%) or (200 to 550 VCA) Models: 2300 VAC: (-60% to +10%) or (920 to 2530 VCA) 4160 VAC: (-60% to +10%) or (2760 to 4576 VCA)
	Frequency	(50 to 60 Hz): (±10%) or (45 to 66 Hz)
Capacity	Maximum number of starts	5 starts in 2 hours (1 start every 30 minutes)
	Start cycle	AC-53a; 4.5-30:50-2
Thyristors	Medium voltage SCR per power arm	2300 VAC: two (2) thyristors per per power stack 4160 VAC: two (2) coupled pairs of thyristors
	Reverse voltage peak on the arm	2300 VAC: 6.5 kV 4160 VAC: 13 kV
Protections	Protection by Hardware	DV/DT filter Active overvoltage protection on the thyristors
Control Supply	Control voltage	As per code of the SSW7000: 110 VAC: (-15% to10%) or (93.5 to 121 VAC) 230 VAC: (-15% to 10%) or (195.6 to 253 VAC)
	Frequency	(50 to 60 Hz): (±10%) or (45 to 66 Hz)
	Consumption	Continuous: 900 mA Peak: 9.5 A (during the closing of the Vacuum contactors)
Control	Method	Voltage ramp. Current limitation. Pump control. Torque control. Current ramp.
Inputs	Digital	6 insulated digital inputs, 24 VDC, programmable functions
	Analog	2 differential inputs insulated by differential amplifier; AI1 resolution: 12 bits, AI2 resolution: 11bits + signal, (0 to 10) V, (0 to 20) mA or (4 to 20) mA, Impedance: 400kQ for (0 to 10V), 500Q for (0 to 20 mA) or (4 to 20 mA), programmable functions
Outputs	Digital	3 NO/NC contact relays, 240 VAC, 1 A, programmable functions.
	Analog	2 insulated outputs, (0 to 10V) RL ± 10kQ (maximum load), 0 to 20 mA or 4 to 20 mA RL < 500Q, 11-bit resolution, programmable functions
Man Machine Interface	Standard	9 keys: Turn/Stop, Increase, Decrease, Rotation Direction, Jog, Local/Remote, right Soft key and left Soft key. Graphic LCD. It enables access to/change of all parameters.
Safety	Main protections	Under and Overcurrent and current unbalance. Under and Overvoltage and voltage unbalance. Under and Overtorque and Active overpower Phase loss. Reverse phase sequence Overtemperature in the power racks. Motor overload. Motor overtemperature (optional). External defect. Ground fault by voltage or current. Fault in the power racks. Fault in the power contactors. Faults in the control boards. Communication faults of MMI and between controls. Faults in the communication networks. Programming errors. For further details and more protections implemented, refer to the programming manual.
Enclosures	Protection Degree	NEMA 12, NEMA 3R
PC Connection for ProgrammingS	USB Connector	USB standard Rev. 2.0 (basic speed) USB plug type B "device" Interconnecting Cable: standard host/device shielded USB cable
Environmental Conditions	Temperature	-10° a 40°C
	Altitude	Up to 1000 m above sea level. For higher altitudes, contact our sales force.
	Humidity	Air relative humidity of 5 % to 90 % non-condensing.
Standards	NBR IEC 62271-200	High voltage controlgear and switchgear – Part 200: High voltage controlgear and switchgear in metal enclosure for voltages over 1 kV up to and including 52 kV
	IEC 62271-1	High-voltage switchgear and controlgear – Part 1: Common specifications
	IEC 60060-1	High-voltage test techniques. Part 1: General definitions and test requirements
	CISPR 11	Industrial, scientific and medical (ISM) radio-frequency equipment - electromagnetic disturbance characteristics - limits and methods of measurement
	IEC 61000-4-4	Electromagnetic compatibility (EMC) – Part 4: testing and measurement techniques – Sec. 4: electrical fast transient/burst immunity test. Basic EMB publication
	IEC 61000-4-18	Electromagnetic compatibility (EMC) – Part 4-18: testing and measurement techniques - damped oscillatory wave immunity test
	NBR IEC 60529	Protection rates for electric equipment enclosures (IP code)
	UL 347	Medium Voltage AC Contactors, Controllers and Control Centers
	UL 347B	Medium Voltage Motor Controllers

In-House Modifications

Factory Built Modifications

Parts

NEMA FRAME			56/140T/ 180T (Note 7)	210T	250T	280T	320T	360T	400T	440T	L440/500	580T
IEC FRAME			90/ 100L/112 (Note 7)	132S/M	160M/L	180M/L	200M/L	225S/M	250S/M	280S/M	315S/M	355M/L
REPLATE	**ADD CUSTOMER PART NUMBER AND / OR OTHER CHANGES SUCH AS VOLTAGE, HZ, ETC. (All W50 Mods are $40 NET)**											
MOD. NUMBER	NAMEPLATE											
N-10	Main Nameplate Change - Stainless Steel	NET	30	30	30	30	30	30	30	30	30	30
N-20	Additional Nameplate - Stainless Steel	NET	30	30	30	30	30	30	30	30	30	30
N-25	Additional Rating/Service - Adhesive Mylar only	NET	30	30	30	30	30	30	30	30	30	30

ELECTRICAL ADD-ON'S	**INSTALLATION OF SPACE HEATERS, THERMISTORS, THERMOSTATS & EXTENDING MOTOR LEADS**											
NEMA FRAME			56/140T/ 180T (Note 7)	210T	250T	280T	320T	360T	400T	440T	L440/500	580T
IEC FRAME			90/ 100L/112 (Note 7)	132S/M	160M/L	180M/L	200M/L	225S/M	250S/M	280S/M	315S/M	355M/L
E-25	120V/240V Space heater - XP motors	LIST	1010.00	1012.00	1103.00	1104.00	1104.00	1107.00	1197.00	1202.00	1202.00	1206.00
	120V/240V Space Heater	LIST	225.08	232.29	232.29	234.13	234.13	239.05	239.05	250.17	250.17	252.74
E-50	240V Space Heater (Operating on120V)	LIST	234.13	250.17	250.17	250.17	250.17	284.47	284.47	420.56	420.56	460.39
E-55	Bearing RTDS (DE and NDE)	LIST	N/A	N/A	N/A	N/A	1446.01	1446.01	1446.01	1446.01	1446.01	1446.01
E-60	Winding RTD's 100 Ohm Platinum (One Per phase - 3 lead PT100's)	LIST	792.77	792.77	792.77	792.77	792.77	883.55	883.55	883.55	883.55	974.33
E-70	Thermistors (One per phase @155ºC)	LIST	301.54	301.54	301.54	301.54	301.54	392.32	392.32	392.32	392.32	483.10
E-80	Thermostats (One per phase @155ºC)	LIST	225.89	225.89	287.99	287.99	287.99	378.77	378.77	378.77	378.77	445.04
E-95	Provision for vibration detector (drilled and tapped)	LIST	N/A	N/A	N/A	N/A	N/A	363.13	363.13	363.13	363.13	363.13
E-99	Installation of Stubshaft Only - (Only valid for Super Premium 280T & above) 5/8" stub shaft	LIST	N/A	N/A	N/A	345.00	345.00	345.00	475.00	475.00	475.00	475.00
E-100	Installation of Encoder - (Only valid for Super Premium 280T & above) Dynapar HSD38 1024PPR & 5/8" stub shaft	LIST	N/A	N/A	N/A	1431.90	1431.90	1431.90	1537.37	1537.37	1537.37	1537.37
	Installation of Encoder on VECTOR DUTY MOTORS (FRAMES 140- 250 - Dynapar HSD38 1024PPR with 5/8" bore)	LIST	1341.12	1341.12	1341.12	N/A	N/A	N/A	N/A	N/A	N/A	N/A
E-110	MODIFY BRAKE RECTIFIER TO ACCEPT 460V	LIST	223.27	223.27	223.27	223.27	N/A	N/A	N/A	N/A	N/A	N/A

C-FLANGE KIT	INSTALLATION OF C-FLANGE KITS											
C-90	Installation of C-FLANGE (IEC)	LIST	343.13	343.13	343.13	558.83	558.83	558.83	1530.39	1530.39	1836.47	1950.00
	"Installation of C-FLANGE (TEFC - GEN PRP)"	LIST	448.99	333.13	346.42	372.60	438.83	590.22	1276.12	1768.97	1768.97	1768.97
	Installation of C-FLANGE (IEEE-841)	LIST	471.20	471.20	471.20	602.01	602.01	602.01	1530.39	1836.47	1836.47	1950.00
	Installation of C-FLANGE (XP)	LIST	454.11	554.19	557.57	756.28	954.95	1005.92	1042.99	1128.38	N/A	N/A
	Installation of C-FLANGE (ODP)	LIST	388.27	388.27	388.27	642.37	642.37	642.37	1222.32	1234.53	N/A	N/A
NEMA FRAME			56/140T/ 180T (Note 7)	210T	250T	280T	320T	360T	400T	440T	L440/500	580T
IEC FRAME			90/ 100L/112 (Note 7)	132S/M	160M/L	180M/L	200M/L	225S/M	250S/M	280S/M	315S/M	355M/L

D-FLANGE KIT	INSTALLATION OF D-FLANGE KITS											
D-130	Installation of C-FLANGE (IEC)	LIST	410.64	410.64	476.45	737.01	737.01	750.20	1105.00	1105.00	1950.00	2250.00
	"Installation of C-FLANGE (TEFC - GEN PRP)"	LIST	353.85	353.85	484.25	743.52	743.52	959.86	1448.27	1950.00	1950.00	2250.00
	Installation of C-FLANGE (IEEE-841)	LIST	N/A	429.05	429.05	743.52	743.52	743.52	1448.27	1950.00	1950.00	2250.00
	Installation of C-FLANGE (XP)	LIST	489.39	489.39	561.09	905.08	1044.05	1044.05	1286.01	1286.01	N/A	N/A
	Installation of C-FLANGE (ODP)	LIST	N/A	N/A	475.11	581.54	723.74	1524.53	1524.53	1524.53	N/A	N/A

DRIP COVERS	INSTALLATION OF DRIP COVER (RAIN CAP)											
DC-160	Drip Cover (TEFC / XP)	LIST	254.85	277.07	320.25	363.44	406.59	484.19	681.01	825.45	1058.13	1290.78
	Drip Cover (ODP)	LIST	276.26	280.53	378.21	442.35	443.38	528.58	570.26	657.97	N/A	N/A

COOLING	ALUMINUM FAN MATERIAL CHANGE OUT AND INSTALLATION OF BLOWER KIT (FORCED VENTILATION)											
F-180	Fan Material (ALUMINUM) Note #4	LIST	1250.55	1287.20	1287.15	1315.82	1422.28	1627.06	1717.84	1867.77	2147.10	3174.81
F-190	Forced Ventilation: Blower Cooling (w/o Encoder) (Not valid for 48 & 56 frames)	LIST	1258.63	1371.79	1439.89	1485.12	1593.32	1821.96	1821.96	3915.06	3915.06	3915.06
	Forced Ventilation: Blower Cooling (w/ Encoder) (Not valid for 48 & 56 frames)	LIST	4337.60	4624.41	4782.99	4896.15	4950.84	5495.06	5955.95	6552.15	6817.40	7417.96
F-200	Cast Iron Fan Cover	List	291.98	291.98	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard

continued on next page

NEMA FRAME			56/140T/ 180T (Note 7)	210T	250T	280T	320T	360T	400T	440T	L440/500	580T
IEC FRAME			90/ 100L/112 (Note 7)	132S/M	160M/L	180M/L	200M/L	225S/M	250S/M	280S/M	315S/M	355M/L
BEARINGS	**BEARING CHANGE OUTS & SHAFT GROUNDING MODIFICATION**											
B-200	Ball to Roller Bearing Conversion Note #3 & #5	LIST	N/A	N/A	527.09	616.23	645.92	1024 .27	1337.85	1812.35	1890.17	1890.17
B-210	Roller to Ball conversion Note #3 & #6	LIST	N/A	N/A	N/A	N/A	N/A	N/A	1270 .28	1636 .34	1636 .34	1636.34
B-220	Convert to Insulated Bearing - NDE ONLY	LIST	564.72	568.44	673.10	852.65	852.65	1347.85	1347.85	1721.28	1888.88	1888.88
B-225	Convert to 2RS (sealed bearings)	LIST	210.73	221.4	277.54	312.21	346.87	835.42	1077.96	N/A	N/A	N/A
B-230*	External AEGIS shaft Grounding Ring - DE ONLY	LIST	258.44	258.44	258.44	262.57	262.57	273.74	273.74	402.23	530.73	871.87
B-231	Internal AEGIS Ring for W22 w/o a Flange	LIST	N/A	N/A	582.00	590.00	610.00	782.00	893.00	1143.00	N/A	N/A
	Internal AEGIS Ring for W22 with any Flange	LIST	336.00	366.00	582.00	590.00	610.00	782.00	893.00	1143.00	N/A	N/A
	Internal AEGIS Ring for W22 JP/JM	LIST	N/A	N/A	582.00	590.00	610.00	782.00	893.00	1143.00	N/A	N/A
	Internal AEGIS Ring for W22- IEEE 841 (All Mtg)	LIST	355.00	366.00	582.00	590.00	610.00	782.00	893.00	1143.00	N/A	N/A
	Internal AEGIS Ring for ODP w/o Flange	LIST	N/A	N/A	N/A	N/A	N/A	782.00	893.00	1143.00	N/A	N/A
	Internal AEGIS Ring for ODP with C-Flange	LIST	N/A	N/A	501.00	N/A	N/A	782.00	893.00	1143.00	N/A	N/A
	Internal AEGIS Ring for ODP JP/JM	LIST	N/A	N/A	501.00	N/A	N/A	782.00	893.00	1143.00	N/A	N/A
B-250*	Installation of Helwig Grounding Brush (Includes Brush and Brush Holder - DE only)	LIST	N/A	N/A	N/A	N/A	N/A	316.56	316.56	341.12	341.12	341.12
B-251	Internal Helwig Shaft Ground	LIST	N/A	N/A	N/A	N/A	N/A	782.00	893.00	1143.00	1143.00	1143.00
B-255	High Frequency Terminal Box Grounding Strap (For use with VFD driven motors)	LIST	486.00	486.00	486.00	486.00	486.00	486.00	608.00	608.00	608.00	608.00
B-260	Insulated ODE End Bell conversion (TEFC 360 frames and above - W22 only, Excludes IEEE841)	LIST	N/A	N/A	N/A	N/A	N/A	1091.90	1246.15	1513.72	STD	STD
B-270[2]	Low Temp(<-30°C) includes New bearings with Aeroshell 22 Grease***	LIST	794.91	794.91	794.91	899.05	934.35	1443.46	1534.02	2274.66	2274.66	2274.66
B-280[2]	High Temp Bearing Grease change out (Dow Corning 44 High Temp Grease / -20°C to 90°C) - Requires Bearing Change out	LIST	N/A	N/A	370.34	465.36	509.78	946.26	1036.82	1777.46	1777.46	1830.08

**ClassII DIV2 removed from nameplate*
******-50°C to 50°C – Also requires addition of mods for Space Heaters, AL Fan and SS Drains. IEEE841 requires Low Temp Inpro Seals below -28°C*
Notes: 1) 140T and larger
2) W22 and IEEE841 lines only.

NEMA FRAME			56/140T/ 180T (Note 7)	210T	250T	280T	320T	360T	400T	440T	L440/500	580T
IEC FRAME			90/ 100L/112 (Note 7)	132S/M	160M/L	180M/L	200M/L	225S/M	250S/M	280S/M	315S/M	355M/L
MOUNTING	**TERMINAL BOX**											
M-280	F1 to F2 Mounting Conversion (Cast Iron 3 phase motors only)	LIST	136.17	136.17	181.56	181.56	181.56	181.56	272.35	272.35	272.35	272.35
M-290	Convert Footed Motor to Round Body (Cast Iron Only)	LIST	544.69	544.69	544.69	544.69	544.69	635.47	635.47	635.47	817.04	817.04
M-300	Auxiliary ternminal box (Not valid for 48 & 56 frames)	LIST	188.33	188.33	204.70	204.70	204.70	214.18	214.18	214.18	214.18	214.18
M-310	Dual Auxiliary Terminal Box Configuration (Seperating Temp. Sensors and Space heaters if specified)	LIST	N/A	N/A	N/A	N/A	N/A	352.21	352.21	352.21	352.21	352.21
M-320	Install terminal block in terminal box (Cast Iron 3 Phase only - leads not connected)	LIST	244.58	258.29	285.07	285.07	337.67	532.11	532.11	643.62	736.42	736.42

ENVIRONMENTAL	ENVIRONMENTAL CONDITIONS											
EV-300	Stainless Steel Breather Drains	LIST	328.21	328.21	418.99	418.99	418.99	509.78	509.78	509.78	600.56	600.56
EV-310	Stainless Steel Hardware (Only external bolts - End bell , Terminal box cover & Fan cover)	LIST	551.68	551.68	551.68	551.68	621.51	621.51	621.51	621.51	782.12	782.12
EV-320	Grounding Provisions on Frame (TEFC cast iron only)	LIST	251.40	251.40	251.40	251.40	382.68	382.68	382.68	Standard	Standard	Standard
EV-330	Tropicalization/Anti-Fungal Protection	LIST	178.07	223.46	223.46	265.36	356.15	356.15	488.83	488.83	488.83	488.83
EV-335	IP56 Modification (GEN PRP TEFC / IEC)	LIST	1031.01	1031.01	1031.01	1031.01	1031.01	1121.79	1121.79	1121.79	1121.79	1121.79
	IP56 Modification (IEEE 841)	LIST	81.00	93.00	128.00	186.00	244.00	314.00	372.00	430.00	430.00	430.00
EV-342	IP65 Modification (IEEE 841)	LIST	98.00	112.00	154.00	223.00	293.00	377.00	447.00	517.00	517.00	517.00
EV-345	IP56 Modification (XP)	LIST	98.00	112.00	154.00	223.00	293.00	377.00	447.00	517.00	517.00	517.00
EV-350	Sealant on Joints	LIST	198.32	198.320	198.320	198.32	305.87	305.87	305.87	413.41	413.41	413.41
EV-380	Top Coat Paint Color Change (per below color chart only)	LIST	1060.34	1060.34	1060.34	1060.34	1060.34	1060.34	1060.34	1060.34	1072.63	1103.35
EV-400	Addition of Rodent Screens (Cast iron ODP motors only)	LIST	N/A	N/A	740.00	971.00	971.00	971.00	971.00	971.00	971.00	971.00

NOTES:
*1. CONSIDER TENV VECTOR DUTY MOTOR (IF RATING IS AVAILABLE) = *%*
2. NOT AVAILABLE AS MODIFICATION = N/A
3. CONTACT FOR QUOTE WITH LOAD DATA FOR EVALUATION
4. MACHINING REQUIRED
5. ROLLER BEARINGS SIZES NOT AVAILABLE FOR 210T FRAMES AND SMALLER
6. STOCK PRODUCT NOT AVAILABLE WITH ROLLER BEARINGS BELOW NEMA 400T - See API 661 line below 440T frame.
7. SOME MODIFICATIONS MAY NOT BE AVAILABLE FOR FRAMES SMALLER THAN 140 NEMA OR 112 IEC , CONTACT WEG FOR QUOTE.
8. PRICING IS SUBJECT TO FUTURE UPDATES THAT MAY ALTER WHAT IS REFLECTED IN PRINTED MATERIALS.

AVAIL TOP COAT COLORS

- RAL 5009 - BLUE
- MUNSELL N1 - BLACK
- RAL 6002 - GREEN
- RAL 7022 - DARK GRAY
- RAL 9010 - WHITE
- RAL 3002 - RED

Bearings

NEMA FRAME SERIES	48	56	-	140T	180T	210T	250T	280T	320T	360T	400T	440T	L440/500	580
IEC Frame Series	-	-	63 UP 80	90	100/112	132	160	180	200	225	250	280	315	355
Ball to Roller (IV, VI, VIII P.) D.E.:	n/a	n/a	n/a	n/a	n/a	566	645	772	863	974	n/a	n/a	n/a	n/a
ZZ Bearings (Double shielded): Added when manufacturing	std	std	std	std	std	std	96	321	632	n/a	n/a	n/a	n/a	n/a
2 RS Bearing (D.E. and N.D.E.) Added when manufacturing	38	38	38	38	61	67	207	293	973	1364	n/a	n/a	n/a	n/a
Insulated (Hybrid) NDE Bearing	n/a	n/a	n/a	417	671	700	2163	2318	2755	n/a	n/a	n/a	n/a	n/a
Insulated Bearing Housing NDE Endshield	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	1064	1239	1539	1539	2265

Cooling

NEMA FRAME SERIES	48	56	-	140T	180T	210T	250T	280T	320T	360T	400T	440T	L440/500	580
IEC FRAME SERIES			63 UP 80	90	100/112	132	160	180	200	225	250	280	315	355
Fan Material : - Aluminum Added when manufacturing	n/a	n/a	n/a	64	110	118	132	151	175	218	255	298	348	n/a
Fan Material : - Cast Iron Added when manufacturing	n/a		n/a	34	50	61	79	107	112	185	185	216	300	527
Fan Material : - Bronze Added when manufacturing	n/a	n/a	n/a	238	532	865	1068	1493	1508	2627	2627	2627	2627	2971
Forced Ventilation (TEBC) :	n/a	n/a	n/a	1406	1513	1575	1965	2286	2448	2921	3139	4275	5773	7383
TEAO Added when manufacturing	54	54	54	54	81	94	97	176	176	370	370	380	439	520
Drip Cover Added when manufacturing	21	21	55	55	58	82	98	141	166	191	191	234	234	330
Textile Fan Cover Added when manufacturing	n/a	n/a	n/a	61	63	90	108	156	183	220	220	n/a	n/a	n/a

Degree of Protection

NEMA FRAME SERIES	48	56	-	140T	180T	210T	250T	280T	320T	360T	400T	440T	L440/500	580
IEC FRAME SERIES	-	-	63 UP 80	90	100/112	132	160	180	200	225	250	280	315	355
TEFC IP55 with Lip Seal	33	33	33	33	58	76	95	113	132	151	175	213	249	502
TEFC IP55 with Oil Seal	n/a	n/a	55	55	85	104	112	133	143	171	200	231	268	-
TEFC IP55 with Labyrinth seal or Nilos Ring	n/a	n/a	196	196	220	220	299	315	354	463	511	511	579	1380
TEFC IP56 w/ Oil Seals	n/a	n/a	n/a	75	118	176	267	383	498	441	655	1724	2041	-
TEFC IP56 w/ W3Seals (labyrinth)	n/a	n/a	n/a	230	277	401	501	643	861	825	1023	2143	2674	3815
TEFC IP65 w/ Oil Seals	n/a	n/a	n/a	75	118	176	267	383	498	441	655	1724	2041	-
TEFC IP65 w/ Taconite (labyrinth) Seals	n/a	n/a	n/a	167	205	303	398	528	709	659	857	1954	2394	3366
TEFC IP65 w/ W3seals (labyrinth)	n/a	n/a	n/a	230	277	401	501	643	861	825	1023	2143	2674	3815
TEFC IP66 w/ W3seals (labyrinth)	n/a	n/a	n/a	273	344	496	662	853	1112	1185	1515	3310	4009	5687

Electrical Special Features - Added when manufacturing

NEMA FRAME SERIES	48	56	-	140T	180T	210T	250T	280T	320T	360T	400T	440T	L440/500	580
IEC FRAME SERIES	-	-	63 UP 80	90	100/112	132	160	180	200	225	250	280	315	355
Thermistors (1/phase) PTC:	n/a	n/a	142	142	142	142	142	142	142	142	142	142	142	142
Thermostats (1/phase) NC:	n/a	n/a	142	142	142	142	142	142	142	142	142	142	142	142
Bearing RTD's PT100 (1/bearing)	n/a	n/a	n/a	n/a	n/a	n/a	1215	1215	1215	1215	1215	1215	1215	1215
Winding RTD's PT100 (1/phase):	n/a	n/a	1052	1052	1052	1052	1052	1052	1052	1052	1052	1052	1052	1052
Space Heater	n/a	n/a	37	37	37	37	54	54	54	109	109	109	109	217
Class of Insulation : -"F"	Add 5% to motor list price								Add 3% to motor list price					
Class of Insulation : -"H"	Add 10% to motor price													
Epoxy varnish impregnation Enclosed motors only	Add 5% to motor price													
Above 600 V (1000 Max.)	Add 10% to motor price													

Flanges

NEMA FRAME SERIES		48	56	-	140T	180T	210T	250T	280T	320T	360T	400T	440T	L440/500	580
IEC FRAMES SERIES		-	-	63 UP 80	90	100/112	132	160	180	200	225	250	280	315	355
FLANGE TYPE	Enclosure	List Price													
"C" Flange	TEFC	28	28	28	28	38	51	68	99	121	442	491	606	716	1623
	ODP	28	28	-	34	38	51	68	85	100	394	446	560	-	-
	Explosion Proof	-	-	61	61	70	76	103	147	182	665	736	1384	1384	-
"D" Flange	TEFC	-	-	50	59	70	79	117	136	192	637	762	915	1051	1863
	ODP	-	-	-	-	-	-	107	126	170	537	685	855	-	-
	Explosion Proof	-	-	-	89	89	103	130	189	246	736	1067	1311	1577	2364

Paint Plans - Factory Build Adder

NEMA FRAME SERIES	-	140T	180T	210T	250T	280T	320T	360T	400T	440T	L440/500	580
IEC FRAMES SERIES	63 UP 80	90	100/112	132	160	180	200	225	250	280	315	355
Painting Plan	List Price											
202	45	58	94	120	196	228	246	308	335	402	447	745
203	58	85	138	188	290	344	384	509	553	696	808	1,269
211	106	114	133	228	467	547	597	775	828	1003	1075	1113
212	122	133	171	277	585	692	779	1026	1121	1410	1577	1661
Internal Epoxy Painting	45	58	94	120	196	228	246	308	335	402	447	745

Painting Plan Description

Painting Plan	Recommended Uses	Surface Preparation Grade	PRIMER		INTERMEDIATE		FINISH COAT		ADHERENCE GRADE ASTM
			Paint	Film Thickness (μm)	Paint	Film Thickness (μm)	Paint	Film Thickness (μm)	D-3359
201A	Non aggressive environments; Not recommended for direct exposure to solvents, alkalis and acid vapors	Sa 2 ½	Synthetic alkyd	20 – 55	-	-	Synthetic alkyd enamel	40 – 60	3B to 5B
222E	Aggressive sheltered industrial environments; Chemical, pulps and paper industries, resistant to acid steams, alkalis and solvents vapors	Sa 2 ½	Alkydium Nitrocellulose	20 - 55	-	-	Epoxy polyamide enamel	100 – 140	3A to 5A
222P	Aggressive sheltered or non-sheltered industrial environments; Chemical, mining, pulp and paper industries, resistant to acid steams, alkalis and solvents vapors; Indicated to food processing motors – USA and Europe	Sa 2 ½	Alkydium Nitrocellulose	20 - 55	-	-	Polyaspartic Aliphatic	90 - 120	3A to 5A
203A	Environments low aggressiveness; Not recommended for direct exposure to solvents, alkalis and acid vapors	Sa 2 ½	Synthetic alkyd	20 – 55	Synthetic powdered alkyd	30 a 45	Synthetic alkyd enamel	30 – 45	3B to 5B
211E	Painting of equipment, structures in general subject to moderate and high aggressive level such as: pulp and paper plants, steel and iron and chemical industries	Sa 2 ½	Polyamide Epoxy	90 - 130	-	-	Polyamide Epoxy	90 - 130	3A to 5A
211P	Painting of equipment, structures in general subject to moderate and high aggressive level such as: pulp and paper plants, steel and iron and chemical industries	Sa 2 ½	Polyamide Epoxy	90 - 130	-	-	Aliphatic polyurethane enamel	65 – 90	3A to 5A
212E	Non sheltered marine environment; Resistant to acid, alkalis and solvent spills	Sa 2 ½	Zinc ethyl silicate	70 - 90	Epoxy polyamide	90 – 130	Polyamide Epoxy	90 – 130	3A to 5A
212P	Non sheltered marine environment; Resistant to acid, alkalis and solvent spills	Sa 2 ½	Zinc ethyl silicate	70 - 90	Epoxy polyamide	90 – 130	Aliphatic polyurethane enamel	65 – 90	3A to 5A

Special Shaft

NEMA FRAME SERIES	48	56	-	140T	180T	210T	250T	280T	320T	360T	400T	440T	500	580
IEC FRAMES SERIES	**-**	**-**	**63 UP 80**	**90**	**100/112**	**132**	**160**	**180**	**200**	**225**	**250**	**280**	**315**	**355**
Second Shaft End (standard dimension)	n/a	n/a	60	72	87	101	104	189	189	392	396	407	752	879
Threaded center hole in the shaft end	n/a	n/a	33	33	41	51	85	136	155	std	std	std	-	-
420 Stainless steel shaft end	Add 10% to motor list price													
315 Stainless steel shaft end	Add 15% to motor list price													
Special Shaft														
Special Shaft Diameter (Type "A" mod)	n/a	n/a	58	58	87	130	151	189	209	392	396	407	752	879
Special Shaft Length (Type "B" mod)	n/a	n/a	63	63	96	113	120	208	216	446	450	473	821	987
Special Shaft Diameter & Length (Type "C" mod)	n/a	n/a	72	72	125	141	158	249	262	574	579	628	965	1117
Special Shaft Diameter, Length & Tapered (Type "D" mod)	n/a	n/a	79	79	130	156	174	271	288	646	654	716	1023	1254
Balance - Reduced	n/a	n/a	n/a	33	79	91	100	125	134	156	167	188	507	616
Balance - Special	n/a	n/a	n/a	58	87	133	159	180	217	250	283	317	846	1044

Terminal Box*

NEMA FRAME SERIES	48	56	-	140T	180T	210T	250T	280T	320T	360T	400T	440T	L440/ 500	580
IEC FRAMES SERIES	-	-	63 UP 80	90	100/112	132	160	180	200	225	250	280	315	355
Cable Gland - Plastic	n/a	n/a	10	10	14	14	22	22	22	-	-	-	-	-
Cable Gland - Brass	n/a	n/a	33	33	50	50	182	182	182	567	567	567	567	714
Threaded Plug	n/a	n/a	6	6	9	9	18	18	18	22	22	22	22	44
Terminal Block (6 pin):	n/a	n/a	9	9	14	23	23	41	41	197	197	380	380	753
Additional terminal box	n/a	n/a	n/a	30	30	41	41	41	41	59	59	59	70	118
Without Terminal Box	n/a	n/a	18	18	22	22	33	33	33	45	45	47	58	70

* Not valid for Hazardous Location Motors

Testing:

NEMA FRAME SERIES	48	56	-	140T	180T	210T	250T	280T	320T	360T	400T	440T	L440/ 500	380
IEC FRAMES SERIES	-	-	63 UP 80	90	100/112	132	160	180	200	225	250	280	315	355
Routine Test - Unwitnessed	-	-	381	381	381	513	513	513	513	622	622	718	877	877
Routine Test - Witnessed	-	-	1215	1215	1215	1427	1427	1427	1427	1683	1683	1903	2368	2368
Type Test - Unwitnessed	-	-	586	586	586	769	769	769	769	952	952	1208	1768	1768
Type Test - Witnessed	-	-	1419	1419	1419	1632	1632	1632	1632	1939	1939	2195	2618	2618
Vibration Test	-	-	183	183	183	205	205	205	205	285	285	403	559	559
Noise Level Test	-	-	213	213	213	242	242	242	242	322	322	462	638	638

Test Description:

Routine Test

– Winding resistance check (at cold)
– Locked Rotor test (current and absorbed power)
– No-load test (current and absorbed power)
– Hi-pot
– Insulation resistance
– Accessories check for continuity (if applicable)

Type Test

– Winding resistance check (at cold)
– Locked Rotor test (torque, current and absorbed power)
– Load test, including temperature rise with constant output power at full load)
– Breakdown Torque test
– No-load test (current and absorbed power)
– Hi-pot
– Insulation resistance
– Accessories check for continuity (if applicable)

Vibration Test

– Vibration measure on as many as 6 points, depending on the mechanical envelope of the motor allowing access to all the reading points
– Test performed with half key on the shaft
– Performed with motor on an elastic mounting base (rigid base when requested)

Noise Test

– Performed at no load in an acoustic chamber
– Measurements at 1m (~ 3.3ft) distance from the motor
– Readings:
  • Total sound pressure level of the motor at 8 points, in dB(A)
  • Bearings sound pressure level in dB(A)
  • Frequency spectrum of the global noise for the point with the most intense reading, at rated voltage

C/C-DIN FLANGES FOR TOTALLY ENCLOSED MOTORS

Nema Frames - Cast Iron - TEFC - W22

Frame	Flange Size	Bearing Size	C-Flange Kit	
			Catalog Number	List Price
143/5	FC-149	205	FLC-E140-UBC	$85
182/4	FC-184	207	FLC-E180-UBC-W22	$145
213/5	FC-184	308	FLC-E210-UBC	$150
254/6	FC-184	309	FLC-E250-W22	$195
284/6	FC-228	311	FLC-E280	$290
324/5	FC-279	312	FLC-E320	$440
364/5	FC-279	314	FLC-E360-314-W22	$575
404/5	FC-279	314	FLC-E400-314	$620
	FC-279	316	FLC-E400-316	$620
444/5 445/7 447/9	FC-355	314	FLC-E440-314	$830
	FC-355	314	FLC-E440-314-VENT *	$1,660
	FC-355	319	FLC-E440-319	$830
	FC-355	322	FLC-E440-322	$830
	FC-355	322	FLC-E440-322-VENT *	$1,743
L447/9	FC-355	314	FLC-EL440-314-VENT *	$1,800
	FC-355	322	FLC-EL440-322-VENT *	$1,861
504/5	FC-368	314	FLC-E500-314-W22	$1,200
	FC-368	319	FLC-E500-319-W22	$1,200
	FC-368	322	FLC-E500-322-W22	$1,200
586/7	FC-368	314	FLC-E580-314	$1,465
	FC-368	314	FLC-E580-314-VENT *	$1,905
	FC-368	322	FLC-E580-322	$1,650
	FC-368	322	FLC-E580-322-VENT *	$1,980
	FC-368	324	FLC-E580-324	$1,650

** Ventilated for improved Drive end bearing cooling*

NEMA Frames - IEEE 841 - W22

Frame	Flange Size	Bearing Size	C-Flange Kit	
			Catalog Number	List Price
143/5	FC-149	205	FLC-IE140	$250
182/4	FC-184	207	FLC-IE180-W22	$285
213/5	FC-184	308	FLC-IE210	$300
254/6	FC-184	309	FLC-IE250-W22	$325
284/6	FC-228	311	FLC-IE280	$365
324/5	FC-279	312	FLC-IE320	$550
364/5	FC-279	314	FLC-E360-314-W22	$575
404/5	FC-279	314	FLC-E400-314	$620
	FC-279	316	FLC-E400-316	$620
444/5 445/7 447/9	FC-355	314	FLC-E440-314	$830
	FC-355	314	FLC-E440-314-VENT *	$1,660
	FC-355	319	FLC-E440-319	$830
	FC-355	322	FLC-E440-322	$830
	FC-355	322	FLC-E440-322-VENT *	$1,743
L447/9	FC-355	314	FLC-EL440-314-VENT *	$1,800
	FC-355	322	FLC-EL440-322-VENT *	$1,861
504/5	FC-368	314	FLC-E500-314-W22	$1,200
	FC-368	319	FLC-E500-319-W22	$1,200
	FC-368	322	FLC-E500-322-W22	$1,200
586/7	FC-368	314	FLC-E580-314	$1,465
	FC-368	314	FLC-E580-314-VENT *	$1,905
	FC-368	322	FLC-E580-322	$1,650
	FC-368	322	FLC-E580-322-VENT *	$1,980
	FC-368	324	FLC-E580-324	$1,650

** Ventilated for improved Drive end bearing cooling*

NEMA Frames - W01 Rolled Steel Motors - TEFC

Frame	Flange Size	Bearing Size	C-Flange Kit	
			Catalog Number	List Price
143/5	FC-149	205	FLC-E140-S	$85
182/4	FC-184	206	FLC-E180-S	$145
213/5	FC-184	208	FLC-E210-S	$150
254/6	FC-184	309	FLC-E250-S	$195

C/C-DIN FLANGES FOR TOTALLY ENCLOSED MOTORS

NEMA Frames - Explosion Proof Motors - modifications must be performed by a UL Certified Service Center

Frame	Flange Size	Bearing Size	C-Flange Kit	
			Catalog Number	List Price
143/5	FC-149	205	FLC-X140	$120
182/4	FC-184	307	FLC-X180	$201
213/5	FC-184	308	FLC-X210	$214
254/6	FC-184	309	FLC-X250-W2`1X	$291
284/6	FC-228	311	FLC-X280-W21X	$517
324/5	FC-279	312	FLC-X320-W21X	$663
364/5	FC-279	314	FLC-X360-314	$992
404/5	FC-279	314	FLC-X360-314	$992
	FC-279	217	FLC-X400-217	$1,210
444/5	FC-355	314	FLC-X440-314	$1,508
445/7	FC-355	219	FLC-X440-219	$1,508
447/9	FC-355	319	FLC-X440-319	$1,508

Metric (IEC) Frames - General Purpose - TEFC

Frame	Flange Size	Bearing Size	C-DIN Flange Kit	
			Catalog Number	List Price
63	C-90	201	FLC-IM63DIN-AL	$39
71	C-105	202	FLC-IM71DIN-BC-W22	$43
80	C-120	204	FLC-IM80DIN-AL-BC	$45
90	C-140	205	FLC-IM90DIN-AL-UBC	$85
100	C-160	206	FLC-IM100DIN-AL-UBC	$128
112	C-160	207	FLC-IM112DIN-UBC-W22	$145
132	C-200	308	FLC-IM132DIN-AL-UBC	$150
160	C-250	309	FLC-IM160DIN-W22	$195

Metric (IEC) Frames - Cast Iron - General Purpose - TEFC

Frame	Flange Size	Bearing Size	NEMA C-Flange Kit	
			Catalog Number	List Price
160	FC-184	309	FLC-IM160-W22	$195
180	FC-228	311	FLC-IM180	$290
200	FC-228	312	FLC-IM200	$440
225	FC-279	314	FLC-E360-314-W22	$575
250	FC-279	314	FLC-E400-314	$620
280	FC-355	314	FLC-E440-314	$830
	FC-355	316	FLC-IM280-316	$830
315	FC-368	314	FLC-E500-314-W22	$1,030
	FC-368	319	FLC-E500-319-W22	$1,030
355	FC-368	316	FLC-E580-316	$1,650
	FC-368	322	FLC-E580-322	$1,650

Fractional Motors - W01 Rolled Steel - TEFC

Frame	Flange Size	Bearing Size	C-Flange Kit	
			Catalog Number	List Price
48 W56	FC-149	203	FLC-E48/W56-S	$80
56 56H	FC-149	203	FLC-E56-203-FC149-S	$85
	FC-149	204	FLC-E56-204-S	$85
	FC-149	205	FLC-E140-S	$85

C FLANGES FOR OPEN MOTORS

NEMA Frames - W01 Rolled Steel - ODP

Frame	Flange Size	Bearing Size	C-Flange Kit	
			Catalog Number	List Price
143/5	FC-149	205	FLC-0140-S	$85
182/4	FC-184	206	FLC-0180-S	$145
213/5	FC-184	208	FLC-0210-S	$150
254/6	FC-184	309	FLC-0250-S	$195

NEMA Frames - Cast Iron - ODP - W40

Frame	Flange Size	Bearing Size	C-Flange Kit		
			ODP*	W40	List Price
254/6	FC-184	309	FLC-0250 **	FLC-0250-W40 **	$195
284/6	FC-228	311	FLC-0280	FLC-0280-W40	$290
324/6	FC-279	312	FLC-0320	FLC-0320-W40	$440
364/5	FC-279	314	FLC-0360-314	FLC-0360/400-314-W40	$575
404/5	FC-279	316	FLC-0400-316	FLC-0360/400-316-W40	$952
444/5	FC-355	314	FLC-0440-314	-	$830
447/9	FC-355	319	FLC-0440-319	-	$830
444/5	FC-355	314	-	FLC-0444/5-314-W40	$830
	FC-355	319	-	FLC-0444/5-319-W40	$830
447/9	FC-355	314	-	FLC-0447/9-314-W40	$830
	FC-355	319	-	FLC-0447/9-319-W40	$830

** Legacy Models*

*** Does not meet NEMA BA dimension for Flanged motors*

Fractional Motors - W01 Rolled Steel - ODP

Frame	Flange Size	Bearing Size	C-Flange Kit	
			Catalog Number	List Price
48 W56	FC-149	203	FLC-048/W56-S	$67
56 56H	FC-149	203	FLC-056-203-FC149-S	$85
	FC-149	204	FLC-056-204-S	$85
	FC-149	205	FLC-0140-S	$85

D/F FLANGE KITS

NEMA Frames - Cast Iron - TEFC - W22

Frame	Flange Size	Bearing Size	D-Flange Kit	
			Catalog Number	List Price
143/5	FD-254	205	FLD-E140-UBC	$98
182/4	FD-254	207	FLD-E180-W22	$171
213/5	FD-254	308	FLD-E210-UBC	$184
254/6	FD-317	309	FLD-E250-W22	$244
284/6	FD-317	311	FLD-E280	$318
324/5	FD-406	312	FLD-E320	$465
364/5	FD-406	314	FLD-E360-314-W22	$620
404/5	FD-508	314	FLD-E400-314	$765
	FD-508	316	FLD-E400-316	$765
444/5 445/7 447/9	FD-508	314	FLD-E440-314	$932
	FD-508	314	FLD-E440-314-VENT *	$1,771
	FD-508	319	FLD-E440-319	$932
	FD-508	322	FLD-E440-322	$932
	FD-508	322	FLD-E440-322-VENT *	$1,864
L447/9	FD-508	314	FLD-EL440-314-VENT *	$1,890
	FD-508	322	FLD-EL440-322-VENT *	$1,987
504/5	FD-558	314	FLD-E500-314-W22	$1,350
	FD-558	319	FLD-E500-319-W22	$1,350
	FD-558	322	FLD-E500-322-W22	$1,350
586/7	FD-762	314	FLD-E580-314	$2,130
	FD-762	314	FLD-E580-314-VENT *	$2,343
	FD-762	322	FLD-E580-322	$2,130
	FD-762	322	FLD-E580-322-VENT *	$2,450
	FD-762	324	FLD-E580-324	$2,130

** Ventilated for improved Drive end bearing cooling*

NEMA Frames - IEEE 841

Frame	Flange Size	Bearing Size	D-Flange Kit	
			Catalog Number	List Price
213/5	FD-254	308	FLD-IE210	$350
254/6	FD-317	309	FLD-IE250-W22	$425
284/6	FD-317	311	FLD-IE280	$490
324/5	FD-406	312	FLD-IE320	$785
364/5	FD-406	314	FLD-E360-314-W22	$620
404/5 444/5 445/7 447/9	FD-508	314	FLD-E400-314	$765
	FD-508	316	FLD-E400-316	$765
	FD-508	314	FLD-E440-314	$932
	FD-508	314	FLD-E440-314-VENT *	$1,771
	FD-508	319	FLD-E440-319	$932
	FD-508	322	FLD-E440-322	$932
	FD-508	322	FLD-E440-322-VENT *	$1,864
L447/9	FD-508	314	FLD-EL440-314-VENT *	$1,890
	FD-508	322	FLD-EL440-322-VENT *	$1,987
504/5	FD-558	314	FLD-E500-314-W22	$1,350
	FD-558	319	FLD-E500-319-W22	$1,350
	FD-558	322	FLD-E500-322-W22	$1,350
586/7	FD-762	314	FLD-E580-314	$2,130
	FD-762	314	FLD-E580-314-VENT *	$2,343
	FD-762	322	FLD-E580-322	$2,130
	FD-762	322	FLD-E580-322-VENT *	$2,450
	FD-762	324	FLD-E580-324	$2,130

** Ventilated for improved Drive end bearing cooling*

D/F FLANGE KITS, *continued*

NEMA Frames - Explosion Proof Motors - modifications must be performed by a UL Certified Service Center

Frame	Flange Size	Bearing Size	D-Flange Kit	
			Catalog Number	List Price
143/5	FD-254	205	FLD-X140	$154
182/4	FD-254	307	FLD-X180	$210
213/5	FD-254	308	FLD-X210	$291
254/6	FD-317	309	FLD-X250-W21X	$534
284/6	FD-317	311	FLD-X280-W21X	$637
324/5	FD-406	312	FLD-X320-W21X	$895
364/5	FD-406	314	FLD-X360-314	$1,141
404/5	FD-508	314	FLD-X400-314	$1,338
	FD-508	217	FLD-X400-217	$1,338
444/5	FD-508	314	FLD-X440-314	$1,878
445/7	FD-508	219	FLD-X440-219	$1,878
447/9	FD-508	319	FLD-X440-319	$1,878

Metric (IEC) Frames - Cast Iron - TEFC

Frame	Flange Size	Bearing Size	FF-Flange Kit	
			Catalog Number	List Price
63	FF-115	201	FLF-IM63-AL	$76
71	FF-130	202	FLF-IM71-BC-W22	$72
80	FF-165	204	FLF-IM80-AL-BC	$96
90	FF-165	205	FLF-IM90-AL-UBC	$98
100	FF-215	206	FLF-IM100-AL-UBC	$169
112	FF-215	207	FLF-IM112-UBC-W22	$171
132	FF-265	308	FLF-IM132-AL-UBC	$184
160	FF-300	309	FLF-IM160-W22	$245
180	FF-300	311	FLF-IM180	$318
200	FF-350	312	FLF-IM200	$465
225	FF-400	314	FLF-IM225-W22	$620
250	FF-500	314	FLF-IM250	$765
280	FF-500	314	FLF-IM280-314	$932
	FF-500	316	FLF-IM280-316	$932
315	FF-600	314	FLF-IM315-314-W22	$1,350
	FF-600	319	FLF-IM315-319-W22	$1,350

D FLANGES FOR OPEN MOTORS

NEMA Frames - Cast Iron - ODP - W40

Frame	Flange Size	Bearing Size	D-Flange Kit		
			ODP*	W40	List Price
284/6	FD-317	311	FLD-0280	FLD-0280-W40	$318
324/6	FD-406	312	FLD-0320	FLD-0320-W40	$465
364/5	FD-406	314	FLD-0360-314	FLD-0360-314-W40	$620
404/5	FD-508	314	FLD-0400-314	FLD-0400-314-W40	$765
	FD-508	316	FLD-0400-316	FLD-0400-316-W40	$765
444/5	FD-508	314	FLD-0440-314	-	$932
447/9	FD-508	319	FLD-0440-319	-	$932
444/5	FD-508	314	-	FLD-0444/5-314-W40	$932
	FD-508	319	-	FLD-0444/5-319-W40	$932
447/9	FD-508	314	-	FLD-0447/9-314-W40	$932
	FD-508	319	-	FLD-0447/9-319-W40	$932

** Legacy Models*

Drip Cover Kits for TEFC Motors

	Frame	W22 - Cast Iron	W01 - Rolled Steel	List Price
NEMA	48 W56	-	DRCV-E48/W56-S	$45
	56 140T	-	DRCV-0140-S (for Plastic Fan Cover) DRCV-E56/140-S (for Steel Fan Cover)	$53
	140T	DRCV-E140	-	$89
		-	DRCV-0140-S	$53
	180T	DRCV-E180	DRCV-E180-S	$128
	210T	DRCV-E210	DRCV-E210-S	$136
	250T	DRCV-E250-W22	DRCV-E250-S	$167
	280T	DRCV-E280-W22	-	$220
	320T	DRCV-E320-W22	-	$344
	360T	DRCV-E360-W22	-	$393
	400T	DRCV-E360-W22	-	$393
		DRCV-E400-W22	-	$479
	440T	DRCV-E440-W22	-	$819
	500	-	-	$819
		DRCV-EL440-W22	-	$952
	L440T	DRCV-EL440-W22	-	$952
	580	DRCV-E580-W22	-	$1,145
METRIC	90	DRCV-E140	-	$89
	100	DRCV-E100	-	$89
	112	DRCV-E180	-	$95
	132	DRCV-E210	-	$131
	160	DRCV-E250-W22	-	$152
	180	DRCV-E280-W22	-	$220
	200	DRCV-E320-W22	-	$344
	225	DRCV-E360-W22	-	$393
	250	-	-	$393
		DRCV-E400-W22	-	$479
	280	DRCV-E440-W22	-	$819
	315	-	-	$819
		DRCV-EL440-W22	-	$952
	355	DRCV-E580-W22	-	$1,145

Drip Cover Kits for ODP Motors

Frame	Cast Iron - ODP *	List Price	W40 - Cast Iron	List Price	W01 -Rolled Steel	List Price
48 W56	-	-	-	-	DRCV-E48/W56-S	$45
C56 56 A56 B56 D56 E56 F56 G56	-	-	-	-	DRCV-056-S	$45
140T	-	-	-	-	DRCV-0140-S	$53
180T	-	-	-	-	DRCV-0180-S	$128
210T	-	-	-	-	DRCV-0210-S	$136
250T	DRCV-ODP250	$152	DRCV-0250-W40	$152	DRCV-0250-S	$167
280T	DRCV-ODP280	$220	DRCV-0280-W40	$220	-	-
320T	DRCV-ODP320	$366	DRCV-0320-W40	$366	-	-
360T **	DRCV-ODP360/400	$410	DRCV-0360-W40	$410	-	-
360T *** 400T	DRCV-ODP360/400	$410	DRCV-0360FL-400-W40	$410	-	-
440T **	DRCV-ODP440	$613	DRCV-0444/5-W40	$613	-	-
440T ***	-	-	DRCV-0444/5FL-W40	$613	-	-

** Legacy Models*
*** Footed motors only*
**** Footless motors only*

W22 Terminal Box - American Standard NPT

IEC Frame Size	NEMA Frame Size	Holes	Part Number	List Price
90 100	143/5	NPT 3/4"	TBX-E140-W22	$74
112 132	182/4 213/5	NPT 1"	TBX-E180/210-W22	$104
160 180	254/6 284/6	NPT 1 1/2"	TBX-E250/280-W22	$155
200	324/6	NPT 2"	TBX-E320-W22	$226
225 250	364/5 404/5	NPT 3"	TBX-E360/400-3-W22	$342
280	444/5	2 x NPT 3"	TBX-E440-3-W22	$523
315S/M	445/7 447/9 504/5	2 x NPT 3"	TBX-E447/505-3-W22	$749
315L 355M/L	L447/9 586/7	For cable Plate	TBX-EL447/9-586/7-W2	$1,898
355A/B	588/9	-	Contact Parts	-

Auxiliary Terminal Boxes

For W22 only

Therm Protection Auxiliary Terminal Boxes are designed to be installed on the left side of the Main Terminal Box when F1 (right side when F2)

Frame	Therm Protection Auxiliary T-Box Model	List Price
140T	AUXTBOXF1W22-A	$135
180T		
210T		
250T	AUXTBOXF1W22-B AUXTBOXF2W22-B	$171
280T		
320T		
360T	AUXTBOXF1W22-B AUXTBOXF2W22-B	$171
400T		
440T		
L440T		
500		
580		

F1 and F2 on model number identifies the appropriate use for the auxiliary t-box.

If separate Auxiliary Terminal boxes are required for Thermal Sensors and Space Heaters, frames 360T and above offer a second Auxilary Terminal Box just for the Space Heater. The Space Heater Auxiliary Terminal Box is designed to be installed on the opposite side of the Main Terminal Box from the Therm Protection Auxiliary Box.

Frame	Space Heater Auxiliary T-Box Model	List Price
360T	AUXTBOXF1W22-D AUXTBOXF2W22-D	$270
400T		
440T		
L440T		
500		
580		

W22 Terminal Box Adapter

IEC Frame Size	NEMA Frame Size	Part Number	List Price
225 250	364/5, 404/5	TBX-ADPT-360/400-W22	$660
280	444/5	TBX-ADPT-444/5-W22	$777
315S/M	445/7, 447/9, 504/5	TBX-ADPT-444/500-W22	$921
315L	L447/9	TBX-ADPT-L440-W22	$1,080
355	586/7 588/9	TBX-ADPT-580-W22	$1,273

W01 Rolled Steel Terminal Boxes

NEMA Frame Size	Thread size	Part Number	List Price
56 56H	NPT 1/2”	TBX-E56-S	$40
143/5	NPT 3/4”	TBX-E140-S	$62
182/4	NPT 3/4”	TBX-E180-S	$73
213/5	NPT 1”	TBX-E210-S	$108
254/6	NPT 1 1/4”	TBX-E250-S	$154

W22 Brake Motor Rebuild Kit

Kit composition: Stator brake, Seal, Cube, Retaining ring, Key and Rotor brake.

Frame	SIZE	Nominal Braking Torque	205 Vcc	
			Part Number	List Price
143/5	10	16 Nm	BRAKE-E140-W22	$588
182/4	14	60 Nm	BRAKE-E180-W22	$972
213/5	16	80 Nm	BRAKE-E210-W22	$1,410
254/6	18	150 Nm	BRAKE-E250-W22	$1,985
284/6	20	260 Nm	BRAKE-E280-W22	$3,454
324/5	25	400 Nm	BRAKE-E320-W22	$5,453

Braking Disk for W22 Brake Motor

Kit composition: Disc, Cube, Key and Retaining Ring

Frame	Part Number	List Price
143/5	BDK-BM140-W22	$422
182/4	BDK-BM180-W22	$643
213/5	BDK-BM210-W22	$770
254/6	BDK-BM250-W22	$934
284/6	BDK-BM280-W22	$1,610
324/5	BDK-BM320-W22	$2,814

Fan Cover for W22 Brake Motor

Kit composition: Fan Cover and Fixing bolts.

Frame	Part Number	List Price
143/5	FCO-BM140-W22	$185
182/4	FCO-BM180-W22	$222
213/5	FCO-BM210-W22	$222
254/6	FCO-BM250-W22	$406
284/6	FCO-BM280-W22	$406
324/5	FCO-BM320-W22	$611

Brake Handle for W22 Brake Motor

Kit composition: Handle and Bolts

Brake Lever - W22 Manual Unlock		
Frame	Part Number	List Price
143/5	BRKHDL-BM140-W22	$78
182/4	BRKHDL-BM180-W22	$127
213/5	BRKHDL-BM210-W22	$179
254/6	BRKHDL-BM250-W22	$236
284/6	BRKHDL-BM280-W22	$453
324/5	BRKHDL-BM320-W22	$602

Rectifier for W22 Brake Motor

Kit composition: Bridge Rectifier and Bolts

Brake Rectifier			
Type	Voltage	Part Number	List Price
BRIDGE RECTIFIER	220V	REC-BM220V	$148
HALF BRIDGE RECTIFIER	360V	REC-BM440V	
	440V		
	575V	REC-BM575V	

Terminal Box for W22 Brake Motor

Kit composition: Terminal box, Fixing bolts, Rubber gaskets, Terminal box cover, Cover fixing bolts.

IEC Frame Size	NEMA Frame Size	H	Part Number	List Price
90 - 100	143/5	NPT	TBX-BM140-W22	$135
112 - 132	182/4 - 213/5	NP	TBX-BM180/210-W22	$177
160 - 180	254/6 - 284/6	NPT 1 1/2"	TBX-BM250/280-W22	$191
200	324/6	NPT 2"	TBX-BM320-W22	$238

** Stocked terminal boxes are RAL5009 Blue*

Encoders

Motor requires Stub-shaft for installation of the encoder (exception to the TENV Vector Duty motors - page A-417)

WEG Catalog Number	MFG Catalog Number	MFG	Specification	List Price
ECHSD38-D	HSD38102484370	Dynapar	PPR:1024/ Bore size: 5/8"/ Format: Differential Bi-Directional A/Anot,B/Bnot,Z/Znot/ Output: 5-26Vin, 5-26V differential line driver out (7272 chip set)/ Termination:10 pin MS connector/ Housing: aluminum, slotted tether with cover kit (basket). Optical	**$1,418**
ECHS35M-A	HS35MYX6CCU0DA00	Avtron	PPR:1024/ Bore size: 5/8"/ Format: Differential Bi-Directional A/Anot,B/Bnot,Z/Znot/ Output: 5-24Vin, 5-24V differential line driver out (7272 chipset)/ Termination:10 pin connector/ Housing: aluminum, slotted tether. Magnetic	**$2,150**

Different encoders may be available upon inquiry

Encoders TEBC Motors

Motor Frame	WEG Catalog Number	MFG Catalog Number	MFG	Specification	List Price
140T 180T	ECHSD38-D	HSD38102484370	Dynapar	PPR:1024/ Bore size: 5/8"/ Format: Differential Bi-Directional A/Anot,B/Bnot,Z/Znot/ Output: 5-26Vin, 5-26V differential line driver out (7272 chip set)/ Termination:10 pin MS connector/ Housing: aluminum, slotted tether with cover kit (basket). Optical	**$1,418**
210T 250T 280T 320T	ECHS35RTEBC-D	HS35R1024837X40	Dynapar	PPR:1024/ Bore size: 5/8"/ Format: Differential Bi-Directional A/Anot,B/Bnot,Z/Znot/ Output: 5-26Vin, 5-26V differential line driver out (7272 chip set)/ Termination:10 pin connector W/ PIGTAIL. Housing: aluminum, slotted tether.	**$1,845**
360T 400T 440T 500 580	ECHS35RTEBC-D	HS35R1024837X40	Dynapar	PPR:1024/ Bore size: 5/8"/ Format: Differential Bi-Directional A/Anot,B/Bnot,Z/Znot/ Output: 5-26Vin, 5-26V differential line driver out (7272 chip set)/ Termination:10 pin connector W/ PIGTAIL. Housing: aluminum, slotted tether.	**$1,845**

Stub Shafts

TEFC W22 Motors

Catalog Number	Applicable to W22*:	Description	List Price
STUBSHAFT-B-TEFC	180T 210T 250T 280T 320T	M12X1.75 Thread for use with 5/8" bore encoder	$240
STUBSHAFT-C-TEFC	360T 400T 440T 580	M20X2.5 Thread for use with 5/8" bore encoder	$240
STUBSHAFT-D-TEFC	L440T 500		$270

IMPORTANT: These stub shafts might not be compatible with W21 motors
*Super Premium W22 frames 284T and above have NDE shaft drilled and tapped to receive stub shaft. Any other will require the NDE shaft to be drilled and tapped

TENV Motors (Vector Duty)

Current design of Vector Duty motors do not require stub shaft for encoder installation. The motor is being supplied with dual flange and extented NDE shaft for this purpose (5/8" diameter)

TEBC Motors

Catalog Number	Applicable to W22*:	Description	List Price
STUBSHAFT-A-TEFC	140T	M8X1.25 THREAD for use with 5/8" bore encoder	$220
STUBSHAFT-B-TEFC	180T 210T 250T 280T 320T	M12X1.75 Thread for use with 5/8" bore encoder	$240
STUBSHAFT-C-TEFC	360T 400T 440T L440T 500 580	M20X2.5 Thread for use with 5/8" bore encoder	$240

Encoder Cables

Catalog Number	Description	List Price
ENCCBLMS-10	10 FT. ENCODER CABLE WITH 10 PIN MS CONNECTOR	$232
ENCCBLMS-20	20 FT. ENCODER CABLE WITH 10 PIN MS CONNECTOR	$413
ENCCBLMS-30	30 FT. ENCODER CABLE WITH 10 PIN MS CONNECTOR	$454
ENCCBLMS-50	50 FT. ENCODER CABLE WITH 10 PIN MS CONNECTOR	$1,200

Insulated Bearing Housing Endshields

Catalog Number	Frame Series	Bearing Size	List Price
NDE-E360T-314-I-W22	360T	6314	$2,150
NDE-E400T-314-I-W22	400T	6314	$2,150
NDE-E440T-314-I-W22	440T	6314	$2,592
NDE-E440T-316-I-W22	440T	6316	$2,592
NDE-E440T-319-I-W22	440T	6319	$2,592
NDE-EL440T-314-I-W22	L440	6314	$3,220
NDE-EL440T-319-I-W22	L440	6319	$3,220
NDE-E580-314-I-W22	580	6314	$3,371
NDE-E580-319-I-W22	580	6319	$3,371

Competitor C-Box to WEG W22 Frame Adapter

The users report that during installation of new replacement motors, it is far easier to reuse the old junction box rather than break the box loose from the conduit. This becomes difficult however when going from one brand to another, as all manufacturers have a different bolt pattern and bolt size. This adapter plate simplifies this process and makes it easier than ever before.

Catalog Number	Description	List Price
WEG280-SIEM	ADAPTER PLATE WEG/Siemens 280T	$181
WEG320-SIEM	ADAPTER PLATE WEG/Siemens 320T	$202
WEG360-400-SIEM	ADAPTER PLATE WEG/Siemens 360T & 400T	$224
WEG444/5-SIEM	ADAPTER PLATE WEG/Siemens 444/5T	$228
WEG445/7-447/9-SIEM	ADAPTER PLATE WEG/Siemens 445/7T & 447/9TT	$263
WEG180-USEM	ADAPTER PLATE WEG/USEM 180T	$177
WEG250-280-USEM	ADAPTER PLATE WEG/USEM 250T & 280T	$181
WEG320-USEM	ADAPTER PLATE WEG/USEM 320T	$202
WEG360-400-USEM	ADAPTER PLATE WEG/USEM 360T & 400T	$224
WEG445/7-447/9-USEM	ADAPTER PLATE WEG/USEM 445/7T & 447/9TT	$263
WEG250-280-REL	ADAPTER PLATE WEG/Reliance 250T & 280T	$181
WEG320-REL	ADAPTER PLATE WEG/Reliance 320T	$202
WEG360-400-REL	ADAPTER PLATE WEG/Reliance 360T & 400T	$224
WEG444/5-REL	ADAPTER PLATE WEG/Reliance 444/5T	$228
WEG445/7-447/9-REL	ADAPTER PLATE WEG/USEM 445/7T & 447/9TT	$263

Blower Kits for TEFC-to-TEBC Motor Conversion - W22 (200-240/380-415/440-460 with 6 leads)

Frame (NEMA/IEC)	Catalog Number	List Price
140T/90	BLK-E140	$1,149
180T/112	BLK-E180	$1,260
210T/132	BLK-E210	$1,452
250T/160	BLK-E250-W22*	$1,573
280T/180	BLK-E280*	$1,658
320T/200	BLK-E320*	$1,821
360T/225	BLK-E360-W22	$2,038
400T/250	BLK-E400-W22	$2,159
444/5T	BLK-E444/5-W22	$2,561
445/7T 447/9T/280	BLK-E445/7-447/9-W22	$2,561
500/315	BLK-EL449/500-W22	$3,025
L440T/315L	BLK-EL449/500-W22	$3,025
580/355	BLK-E580-W22	$3,632

** These kit require NDE Endshield be changed for proper fit See parts below.*

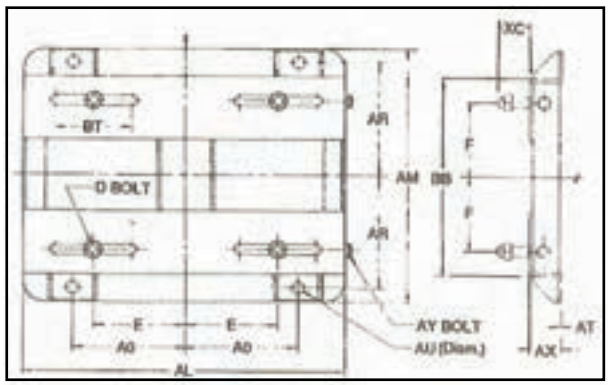
NDE Endshield for Blower kit 250-320T frames

Catalog Number	Frame	Description	List Price
16503637	250T	TEFC-TEBC conversion End Shield -W22	$140.40
16503738	250T	TEFC-TEBC conversion End Shield - IEEE841	$500.36
16503739	280T	TEFC-TEBC conversion End Shield -W22	$211.92
16503740	280T	TEFC-TEBC conversion End Shield - IEEE841	$501.52
16503741	320T	TEFC-TEBC conversion End Shield -W22	$283.12
16503742	320T	TEFC-TEBC conversion End Shield - IEEE841	$535.68

Terminal Block Kits

IEC Frames	NEMA Frames*	Catalog Number	Bolt Thread	List Price
63	-	TERMBLCK-W22-63-100	M4	$35
71	-			
80	-			
90	140T			
100	-			
112	180T	TERMBLCK-W22-112/132	M5	$52
132	210T			
160	250T	TERMBLCK-W22-160/180	M6	$86
180	280T			
200	320T	TERMBLCK-W22-200	M8	$151
225	360T	TERMBLCK-W22-225/250	M10	$280
250	400T			
280	440T	TERMBLCK-W22-280	M12	$533
315	500	TERMBLCK-W22-315S/M	M12	$533
315L	L440T	TERMBLCK-W22-355M/L + Adapter TERMBLCK-SUP-580	M16	$1,032
355	580			

* NEMA Frames should require an adapter plate for the terminal block installation



Motor Sliding Bases

Frame	Catalog Number	Style	AR	AU	BT	Shipping Weight (approx lbs)	List Price
143T	SMB-143T	A	3 3/8	3/8	3	5	$73
145T	SMB-145T	A	3 7/8	3/8	3	6	$73
182T	SMB-182T	A	4 1/4	1/2	3	9	$87
182T	SMB-182TA2	A2	4 1/4	1/2	3	9	$120
184T	SMB-184T	A	4 3/4	1/2	3	10	$87
184T	SMB-184TA2	A2	4 3/4	1/2	3	10	$120
213T	SMB-213T	A	4 3/4	1/2	3 1/2	14	$118
215T	SMB-215T	A	5 1/2	1/2	3 1/2	15	$118
254T	SMB-254T	B2	6 5/8	5/8	4	17	$220
256T	SMB-256T	B2	7 1/2	5/8	4	18	$220
284T	SMB-284T	B2	7 1/2	5/8	4 1/2	21	$240
286T	SMB-286T	B2	8 1/4	5/8	4 1/2	22	$240
324T	SMB-324T	B2	8 1/2	3/4	5 1/4	31	$321
326T	SMB-326T	B2	9 1/4	3/4	5 1/4	32	$321
364T	SMB-364T	B2	9 1/8	3/4	6	44	$410
365T	SMB-365T	B2	9 5/8	3/4	6	45	$410
404T	SMB-404T	B2	9 7/8	7/8	7	55	$600
405T	SMB-405T	B2	105/8	7/8	7	61	$600
444T	SMB-444T	B2	11	7/8	7 1/2	76	$746
445T	SMB-445T	B2	12	7/8	7 1/2	78	$746
447T	SMB-447T	B2	13 3/4	7/8	7 1/2	89	$1,023
449T	SMB-449T	B2	16 1/4	7/8	7 1/2	95	$1,023
504T	SMB-504	C	12 1/2	1	-	108	$1,422
505T	SMB-505	C	13 1/2	1	-	135	$1,422
586T	SMB-580	Pair of Slide Rails	13	4 3/8	-	183	$3,504

W22 Plastic Fan Guide (New Motors Only - Contact Parts for Field Replacements)

For "S" Standard Efficiency Level

IEC Frame Size	NEMA Frame Size	POLE	Catalog Number	List Price
63	-	All	FAN-E63	$6
71	-	All	FAN-E71	$7
80	-	All	FAN-E80	$8
90	143/5	All	FAN-FD56/140-17MM	$12
100	-	All	FAN-E100	$18
112	182/4	2	FAN-E180W2102P	$12
		4/6/8	FAN-E180W2104P	$19
132	213/5	2	FAN-E2102P	$17
		4/6/8	FAN-E2104P	$24
160	254/6	2	FAN-E2502P	$12
		4/6/8	FAN-E2504P	$24
180	284/6	2	FAN-E5802P	$12
		4/6/8	FAN-E5804P	$24
200	324/6	2	FAN-E3202P	$18
		4/6/8	FAN-E3204P	$27

For "P" High Efficiency Level

IEC Frame Size	NEMA Frame Size	POLE	Catalog Number	List Price
63	-	All	FAN-E63	$6
71	-	All	FAN-E71	$7
80	-	2	FAN-E71	$7
		4/6/8	FAN-E80	$8
90	143/5	2/4	FAN-E80	$8
		6/8	FAN-FD56/140-17MM	$12
100	-	All	FAN-E100	$18
112	182/4	2/4	FAN-E180W2102P	$12
		6/8	FAN-E180W2104P	$19
132	213/5	2/4	FAN-E180W2102P	$12
		6/8	FAN-E2104P	$24
160	254/6	2	FAN-E2502P	$12
		4/6/8	FAN-E2504P	$24
180	284/6	2	FAN-E2502P	$12
		4/6/8	FAN-E2504P	$24
200	324/6	2	FAN-E3202P	$18
		4/6/8	FAN-E3204P	$27

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W22 Plastic Fan Guide - *continued*

For "T" Nema Prem. Efficiency Level

IEC Frame Size	NEMA Frame Size	POLE	Catalog Number	List Price
63	-	All	FAN-E63	$6
71	-	All	FAN-E71	$7
80	-	2	FAN-E71	$7
		4/6/8	FAN-E80	$8
90	143/5	2/4	FAN-E80	$8
		6/8	FAN-FD56/140-17MM	$12
100	-	All	FAN-E100	$18
112	182/4	2/4	FAN-E180W2102P	$12
		6/8	FAN-E180W2104P	$19
132	213/5	2/4	FAN-E180W2102P	$12
		6/8	FAN-E2104P	$24
160	254/6	2/4	FAN-E2502P	$12
		6/8	FAN-E2504P	$24
180	284/6	2/4	FAN-E2502P	$12
		6/8	FAN-E2504P	$24
200	324/6	2/4	FAN-E3202P	$18
		6/8	FAN-E3204P	$27

For "S" and "P" Standard and High Efficiency Level (360 frame and up)

IEC Frame Size	NEMA Frame Size	POLE	Catalog Number	List Price
225S/M	364/5	2/4	FAN-E360/4002P-W22	$59
		4/6/8	FAN-11482642-W22	$74
250S/M	404/5	2	FAN-E360/4002P-W22	$59
		4/6/8	FAN-11482642-W22	$74
280S/M	444/5 445/7 447/9	2	FAN-E444-505/2P-W22	$63
		4/6/8	FAN-E440/500468P-W22	$89
315S/M	504/5	2	FAN-11482679-W22	$66
		4/6/8	FAN-E444-505/2P-W22	$63
315L	-	2	FAN-11482679-W22	$66
		4/6/8	N/A	
-	L447/9	2	FAN-11482679-W22	$66
		4/6/8	N/A	
355M/L	586/7	2	FAN-11482679-W22	$66
		4/6/8	N/A	
355A/B	588/9	All	N/A	

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W22 Plastic Fan Guide - *continued*

For "T" Nema Premium Efficiency Level (360 and up)

IEC Frame Size	NEMA Frame Size	POLE	Catalog Number	List Price
225S/M	364/5	2	FAN-E360/4002P-W22	$59
		4	FAN-E444-505/2P-W22	$63
		6/8	FAN-11482642-W22	$74
250S/M	404/5	2	FAN-E360/4002P-W22	$59
		4	FAN-11482679-W22	$66
		6/8	FAN-11482642-W22	$74
280S/M	444/5 445/7 447/9	2	FAN-E444-505/2P-W22	$63
		4	FAN-11482642-W22	$74
		6/8	FAN-E440/500468P-W22	$89
315S/M	504/5	2	FAN-E444-505/2P-W22	$63
		4	FAN-11482642-W22	$74
		6/8	FAN-E440/500468P-W22	$89
315L	-	2	FAN-11482679-W22	$66
		4	FAN-E440/500468P-W22	$89
		6/8	N/A	
-	L447/9	2	FAN-11482679-W22	$66
		4/6/8	N/A	
355M/L	586/7	2	FAN-11482679-W22	$66
		4	FAN-11482679-W22	$66
		6/8	N/A	
355A/B	588/9	All	N/A	

W22 Aluminum Fan Guide (New Motors Only - Contact Parts for Field Replacements)

For "S" Standard Efficiency Level

IEC Frame Size	NEMA Frame Size	POLE	Catalog Number	List Price
63	-	All	FAN-E63-AL	$55
71	-	All	FAN-E71-AL	$70
80	-	All	FAN-E80-AL	$88
90	143/5	All	FAN -E1404P-AL	$116
100	-	All	FAN-E100-AL	$161
112	182/4	2	FAN-E180W21024P-AL	$112
		4/6/8	FAN-E1804P-AL-B	$223
132	213/5	2	FAN-E210-2/8P-AL	$147
		4/6/8	FAN-E210-4/6P-AL	$313
160	254/6	2	FAN-E2502-4P-AL-W22	$116
		4/6/8	FAN-E2504P-AL-B	$259
180	284/6	2	FAN-E2502P-AL	$112
		4/6/8	FAN-E2504P-AL-W22	$161
200	324/6	2	FAN-E3202P-AL-W22	$157
		4/6/8	FAN-E3204P-AL	$421

For "P" High Efficiency Level

IEC Frame Size	NEMA Frame Size	POLE	Catalog Number	List Price
63	-	All	FAN-E63-AL	$55
71	-	All	FAN-E71-AL	$70
80	-	2	FAN-E71-AL	$70
		4/6/8	FAN-E80-AL	$88
90	143/5	2/4	FAN-E80-AL	$88
		6/8	FAN-E1404P-AL	$116
100	-	All	FAN-E100-AL	$161
112	182/4	2/4	FAN-E180W21024P-AL	$112
		6/8	FAN-E1804P-AL-B	$223
132	213/5	2/4	FAN-E180W21024P-AL	$112
		6/8	FAN-E210-4/6P-AL	$313
160	254/6	2	FAN-E2502-4P-AL-W22	$116
		4/6/8	FAN-E2504P-AL-B	$259
180	284/6	2	FAN-E2502P-AL	$112
		4/6/8	FAN-E2504P-AL-W22	$161
200	324/6	2	FAN-E3202P-AL-W22	$157
		4/6/8	FAN-E3204P-AL	$421

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W22 Aluminum Fan Guide - *continued*

For "T" NEMA Premium® Efficiency Level

IEC FRAME SIZE	NEMA FRAME SIZE	POLE	Catalog Number	List Price
63	-	All	FAN-E63-AL	$55
71	-	All	FAN-E71-AL	$70
80	-	2	FAN-E71-AL	$70
		4/6/8	FAN-E80-AL	$88
90	143/5	2/4	FAN-E80-AL	$88
		6/8	FAN-E1404P-AL	$116
100	-	All	FAN-E100-AL	$161
112	182/4	2/4	FAN-E180W21024P-AL	$112
		6/8	FAN-E1804P-AL-B	$223
132	213/5	2/4	FAN-E180W21024P-AL	$112
		6/8	FAN-E210-4/6P-AL	$313
160	254/6	2/4	FAN-E2502-4P-AL-W22	$116
		6/8	FAN-E2504P-AL-B	$259
180	284/6	2/4	FAN-E2502P-AL	$112
		6/8	FAN-E2504P-AL-W22	$161
200	324/6	2/4	FAN-E3202P-AL-W22	$157
		6/8	FAN-E3204P-AL	$421

For "S" and "P" Efficiency Level (Frame sizes 360 and up)

IEC FRAME SIZE	NEMA FRAME SIZE	POLE	Catalog Number	List Price
225S/M	364/5	2	FAN-E360-4002PAL-W22	$205
		4/6/8	FAN-11101736-AL-W22	$580
250S/M	404/5	2	FAN-E360-4002PAL-W22	$205
		4/6/8	FAN-11101736-AL-W22	$580
280S/M	444/5 445/7 447/9	2	FAN-11101737-AL-W22	$250
		4/6/8	FAN-W22-11101738-AL	$902
315S/M	504/5	2	FAN-W22-11101739-AL	$280
		4/6/8	FAN-W22-11101738-AL	$902
315L	-	2	FAN-W22-11101739-AL	$280
		4/6/8	FAN-W22-11101744-AL	$2,042
-	L447/9	2	FAN-W22-11101739-AL	$280
		4/6/8	FAN-W22-11101744-AL	$2,042
355M/L	586/7	2	FAN-W22-11101739-AL	$280
		4	FAN-W22-11101744-AL	$2,042
		6/8	FAN-11101746-AL-W22	$3,293
355A/B	588/9	2	FAN-11272463-AL-W22	$511
		4	FAN-W22-11101744-AL	$2,042
		6/8	FAN-11101746-AL-W22	$3,293

continued on next page

W22 Aluminum Fan Guide - *continued*

For "T" Nema Prem. Efficiency Level(Frame sizes 360 and up)

IEC FRAME SIZE	NEMA FRAME SIZE	POLE	Catalog Number	List Price
225S/M	364/5	2	FAN-E360-4002PAL-W22	$205
		4	FAN-11101737-AL-W22	$250
		6/8	FAN-11101736-AL-W22	$580
250S/M	404/5	2	FAN-E360-4002PAL-W22	$205
		4	FAN-W22-11101739-AL	$280
		6/8	FAN-11101736-AL-W22	$580
280S/M	444/5 445/7 447/9	2	FAN-11101737-AL-W22	$250
		4	FAN-11101736-AL-W22	$580
		6/8	FAN-W22-11101738-AL	$902
315S/M	504/5	2	FAN-11101737-AL-W22	$250
		4	FAN-11101736-AL-W22	$580
		6/8	FAN-W22-11101738-AL	$902
315L	-	2	FAN-W22-11101739-AL	$280
		4	FAN-W22-11101738-AL	$902
		6/8	FAN-W22-11101744-AL	$2,042
-	L447/9	2	FAN-W22-11101739-AL	$280
		4/6/8	FAN-W22-11101744-AL	$2,042
355M/L	586/7	2	FAN-W22-11101739-AL	$280
		4	FAN-W22-11101738-AL	$902
		6/8	FAN-11101746-AL-W22	$3,293
355A/B	588/9	2	FAN-11272463-AL-W22	$511
		4	FAN-W22-11101744-AL	$2,042
		6/8	FAN-11101746-AL-W22	$3,457

W22 Fan Cover

IEC Frame Size	NEMA Frame Size	Note	Catalog Number	List Price
63	-	N/A	FCO-E63	$23
71	-		FCO-E71	$23
80	-		FCO-E80	$23
90	143/5		FCO-E140-W22	$26
100	-		FCO-E100	$33
112	182/4		FCO-E180-W22	$38
132	213/5		FCO-E210-W22	$53
160	254/6	For Motors with Grease Nipple	FCO-E250-W22	$121
180	284/6		FCO-E280-W22	$149
200	324/6		FCO-E320-W22	$256
225	364/5		FCO-E360-W22	$672
250	404/5		FCO-E400-W22	$672
280	444/5 445/7 447/9		FCO-E440-W22	$1,032
315	504/5		FCO-E500-W22	$1,032
-	L447/9		FCO-EL440-W22	$1,032
355	586/7 588/9		FCO-E580-W22	$1,605

W01 Rolled Steel Fan

NEMA Frame Size	Pole	Catalog number	List Price
48 W56	All	FAN-E80	$8
56 56H	All	FAN-FD56/140-15MM	$12
143/5	All	FAN-FD56/140-15MM	$12
182/4	2	FAN-FD56/140-15MM	$12
	4/6	FAN-E100	$18
213/5	2	FAN-E180W2102P	$12
	4/6	FAN-E180W2104P	$19
254/6	2	FAN-E2102P	$17
	4/6	FAN-E2104P	$24

W01 Rolled Steel Fan Cover

NEMA Frame Size	Catalog number	List Price
48 W56	FCO-E48/W56-S	$20
56 56H 143/5	FCO-E56/140-S (Plastic Fan Cover) FCO-E56/140-STL-S (Steel Fan Cover) Not interchangeable	$18.20
143/5	FCO-E56/140-S	$19
182/4	FCO-E180-S	$45.30
213/5	FCO-E210-S	$49
254/6	FCO-E250-S	$89

WEG Motion Fleet Management

Condition Monitoring of the fleet

Developed to bring more practicality and agility in the operation, maintenance and management of industrial plants, the WEG Motion Fleet Management is the ideal solution to monitor and raise the availability of the industrial fleet. Based on “cloud computing” technology, asset monitoring can be followed at any time and from anywhere in the world.

Diagnostics and Integration

Specialist

Advanced algorithms for failure diagnosis and consumption analysis

Exchange

Integration with the customer’s or third party’s systems or platforms

Application & Management

Management

Fleet overview, alarms, dashboards, online monitoring and fleet reports

Scan & Gateway

WEG Motor Scan & Gateway

WCD-ED300-DSLV

WCD-ED300-DSMV

WCD-IO300-LM

Assets

WEG Motion Fleet Management

With WEG Motion Fleet Management it is possible to know the operational status of electric motors, low and medium voltage variable speed drive and soft-starters, smart relay starting WEG(SRW), gearboxes, gearmotors, compressors, among other assets, which are applied in any type of industry or installation. Through periodic data collection and advanced data processing, both at the edge and in the cloud, valuable insights are generated. This way, it is possible to establish predictive maintenance plans, observing the operational condition of the fleet (condition-based maintenance). This approach reduces the number of unplanned stops, optimizes repair actions, and speeds up the decision-making process for the operation and maintenance team. The result is increased availability and reduced total cost of ownership (TCO) of the drive fleet.

Main features of WEG MFM Solution

- Dedicated and robust hardware for data acquisition;
- Data processing at the edge and in the cloud;
- Periodic fleet reports;
- Creation and management of maintenance orders;
- Asset prioritization tool;
- Specialist Modules with Analytics and Artificial Intelligence for fault diagnosis;
- Exchange modules for data integration with other platforms (via Web Service REST).

Advantages and Benefits of the WMFM Solution

- Monitoring of several assets and plants in a single environment;
- Ecosystem in constant development, both hardware and software;
- Fleet management view with reports and indicators;
- Ready-to-use solution, just register the WEG Scans in the application and use it;
- Customized layouts for navigation at various levels (geolocation, site, plant, device);
- Definition of favorite assets for easy tracking of their status; Daily notifications of assets in alert and/or critical state (via e-mail);
- Customization of tolerances to generate alerts and notifications;
- Enables maintenance management based on the operational condition of the assets;
- Dashboards with indicators, graphics, and history of measured data;
- Screens for user and subscription management;
- Flexible solution available to service providers;
- Operational cost reduction (TCO, Total Cost of Ownership);
- Multi-language application.

WEG Motion Fleet Management
SCAN, GATEWAY & SUBSCRIPTIONS

Type	Catalog Number	Description	List Price	Multiplier
Sensor	WMSC-1-MFM-M	Motor Scan Sensor for Hazardous Area with 1 year of Management Subscription for MFM	$450	E4
Gateway	MOTOR-SCAN GATEWAY	Motor Scan Gateway	$2,165	E4
Subscription - Management [1]	WMF-MGMT-1-MOTOR-ME	WEG Motion Fleet Management Module subscription for Motor Scan - 1 Yr	$340	E4
	WMF-MGMT-2-MOTOR-ME	WEG Motion Fleet Management Module subscription for Motor Scan - 2 Yr	$655	E4
Subscription - Specialist [1]	WMF-SPEC-1-MOTOR-ME	WEG Motion Fleet Specialist Module subscription for Motor Scan - 1 Yr (Per Sensor)	$340	E4
	WMF-SPEC-2-MOTOR-ME	WEG Motion Fleet Specialist Module subscription for Motor Scan - 2 Yr (Per Sensor)	$655	E4
Subscription - Exchange [1]	WMF-EXCH-BASIC-1-ME	Basic Exchange Module subscription for MFM - 1 yr, 10,000 calls / Month	$1,625	E4
	WMF-EXCH-BASIC-2-ME	Basic Exchange Module subscription for MFM - 2 yr, 10,000 calls / Month	$3,145	E4
	WMF-EXCH-STANDARD-1-ME	Standard Exchange Module subscription for MFM - 1 yr, 50,000 calls / Month	$2,975	E4
	WMF-EXCH-STANDARD-2-ME	Standard Exchange Module subscription for MFM - 2 yr, 50,000 calls / Month	$5,765	E4
	WMF-EXCH-PLUS-1-ME	Exchange Plus Module subscription for MFM - 1 yr, 100,000 calls / Month	$4,460	E4
	WMF-EXCH-PLUS-2-ME	Exchange Plus Module subscription for MFM - 2 yr, 100,000 calls / Month	$8,650	E4

Notes:
1) Please contact WEG to purchase the subscription.

- Models in black text are Standard Efficiency
- Models in blue text are NEMA Premium® Efficiency
- Models in green text are NEMA Super Premium Efficiency

Catalog Notes

1	1.0 Service Factor
2	Aluminum Frame with Removable Feet
3	Automatic Reset Thermal Overload Protector
4	Manual Reset Thermal Overload Protector
5	CCW Rotation Viewed from Shaft End - Non Reversible
6	Compressor Duty
7	F2 Mount
8	F3 Mount
9	Rolled Steel Frame - Cannot be modified with T Box on opposite side
10	Not Thermally Protected
11	Metal fan - Not suitable for division 2
12	Reduced Frame
13	Resilient Base
14	Roller Bearing
15	Round Body - Drip Cover Included
16	Split-Phase Motor
17	TENV - Totally Enclosed Non Ventilated
18	Z-Frame; Bigger Shaft Diameter and Bearings
19	105K Tempature Rise; VFD service requires HP derate
20	Round Body - Drip Cover NOT Included
21	Stainless Steel Body
22	Two Speed - Double Windings
23	Two Speed - Single Winding
24	Modified item. Usually ships in two weeks
25	Brake rectifier suitable for 230VAC
26	Brake rectifier suitable for 460VAC
27	For Export Only (not to be used in the USA) due to Certification and/or Efficiency requirements.
28	ODP Fan Cooled
29	Standard Efficiency
30	High Efficiency (EPACT)
31	Rating is suitable for 1.0SF @ 50Hz. Also suitable for next lower HP @ 1.15SF 50Hz
32	Suitable for 1.15SF @ 50°C ambient
33	Suitable for 380V 60Hz when wired as YY (double WYE)
34	AEGIS® Inside
35	AEGIS® ring installation reduces the available "N-W" length
36	Super Premium
37	Design A
38	TEAO - Totally Enclosed Air Over
39	Cannot be modified with T Box on opposite side
40	NDE shaft with 3/8” drive socket
41	Also rated 230/460V 50Hz 1.0 SF
42	Rated 50°C ambient
43	With insulated non drive end housing
44	With air deflector. Flange MOD not available
45	Also rated 380V 50Hz
46	56J shaft end with dual opposed threads (7/16-20 UNF-2A R.H and 3/8-16 UNF-2A L.H)
47	Motor designed with copper bar rotor
48	Motor suitable for safe area only
49	Rating suitable for replate to 1.15SF on variable torque VFD power
50	Rating requires replate to Class H insulation for 1.15SF on variable torque VFD power
51	Not normally stocked. Factory build lead time may apply