

## CFW700

The WEG CFW700 Series was designed to exceed industry expectations. Based on the robust CFW11 platform the CFW700 is designed and optimized for variable torque applications such as pumps and fans.

The CFW700 is the optimal drive for pump and fan control. The drive includes features such as built in PID controllers that can be programmed in engineering units for ease of understanding and set up. The drive also features an integrated power supply to be used with external transducers to measure flow or pressure.

These features combined with the drive's keypad based start up guide, make installation and parameter set up fast and easy.

### Standard Features

- Simplicity – same programming as all other WEG drives
- Dual DC Bus chokes for longer VFD lifetime (6% equivalent), reduces harmonics eliminating the need for external line reactors
- Plenum Rated - Meets UL94 Requirements
- 24VDC Power Supply for process transducers - Standard
- Soft-PLC with free programming software
- Encoder Input - Standard
- RS-485 Modbus RTU - Standard
- Conformal Coated boards for harsh industrial environments
- Rated 50 °C (122 °F) – up to 60 °C (140 °F) with derating
- Self-tuning function automatically matches VFD with motor
- UL, cUL, CE, C-Tick, GOST, IRAM approved
- SuperDrive G2 compatible

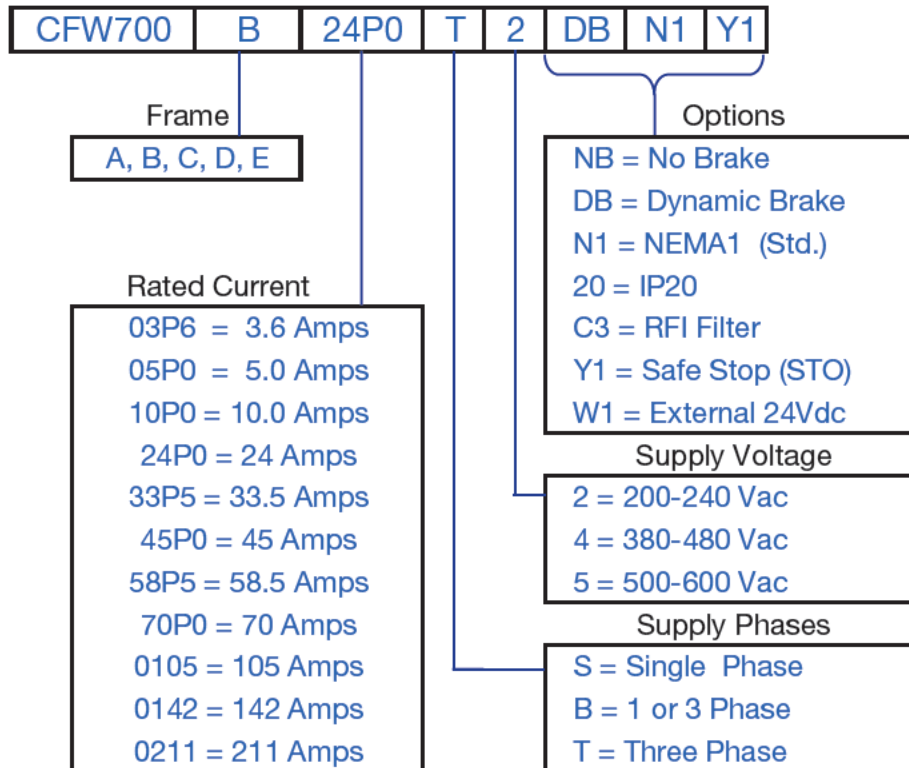


### Applications

- |                        |                  |
|------------------------|------------------|
| • Pumps                | • Fans/Blowers   |
| • Conveyers            | • Compressors    |
| • Agitators and Mixers | • Extruders      |
| • Grizzly Feeders      | • Centrifuges    |
| • Cranes and Hoists    | • Rollout Tables |
| • Presses              | • Saws           |



## CFW700 Catalog Number Sequence



*Table intended as reference only and not to create part numbers.*

### NEMA 1 Enclosure

Motor Voltage	ND / VT <sup>1</sup>		HD / CT <sup>1</sup>		Catalog Number	Braking Transistor	Frame Size	Dimensions (in.) HxWxD <sup>6</sup>	Approx. Weight (lbs.) <sup>6</sup>
	Motor HP <sup>2</sup>	Drive Amps <sup>3</sup>	Motor HP <sup>2</sup>	Drive Amps <sup>3</sup>					
230 Vac	<b>Input Power Supply: Single or Three-Phase 200-240 Vac with Dynamic Braking Transistor</b>								
	1 1/2	6.0	1 1/2	5.0	CFW700A06P0B2DBN1	Yes	A	12.1 x 5.8 x 9.0	13.9
	2	7.0	2	7.0	CFW700A07P0B2DBN1	Yes	A	12.1 x 5.8 x 9.0	13.9
	<b>Input Power Supply: Single-Phase 200-240 Vac with Dynamic Braking Transistor</b>								
	3	10	3	10	CFW700A10P0S2DBN1	Yes	A	12.1 x 5.8 x 9.0	13.9
	<b>Input Power Supply: Three-Phase 200-240 Vac with Dynamic Braking Transistor</b>								
	2	7.0	1 1/2	5.5	CFW700A07P0T2DBN1	Yes	A	12.1 x 5.8 x 9.0	13.9
	3	10	2	8.0	CFW700A10P0T2DBN1	Yes	A	12.1 x 5.8 x 9.0	13.9
	5	13	3	11	CFW700A13P0T2DBN1	Yes	A	12.1 x 5.8 x 9.0	13.9
	5	16	5	13	CFW700A16P0T2DBN1	Yes	A	12.1 x 5.8 x 9.0	13.9
	7 1/2	24	7 1/2	20	CFW700B24P0T2DBN1	Yes	B	13.9 x 7.5 x 9.0	24.1
	10	28	10	24	CFW700B28P0T2DBN1	Yes	B	13.9 x 7.5 x 9.0	24.1
	10	33.5	10	28	CFW700B33P5T2DBN1	Yes	B	13.9 x 7.5 x 9.0	24.1
	15	45	15	36	CFW700C45P0T2DBN1	Yes	C	17.7 x 8.7 x 11.5	44.6
	20	54	20	45	CFW700C54P0T2DBN1	Yes	C	17.7 x 8.7 x 11.5	44.6
	25	70	20	56	CFW700C70P0T2DBN1	Yes	C	17.7 x 8.7 x 11.5	44.6
	30	86	25	70	CFW700D86P0T2DBN1	Yes	D	19.9 x 11.9 x 12.0	120.2
	40	105	30	86	CFW700D0105T2DBN1	Yes	D	19.9 x 11.9 x 12.0	120.2
	50	142	40	115	CFW700E142T2DBN1C3	Yes	E <sup>5</sup>	26.6 x 13.2 x 14.1	143
	60	180	50	142	CFW700E180T2DBN1C3	Yes	E <sup>5</sup>	26.6 x 13.2 x 14.1	143
	75	211	60	180	CFW700E211T2DBN1C3	Yes	E <sup>5</sup>	26.6 x 13.2 x 14.1	143
	<b>Input Power Supply: Three-Phase 200-240 Vac without Dynamic Braking Transistor</b>								
	50	142	40	115	CFW700E142T2NBN1C3	No	E <sup>5</sup>	26.6 x 13.2 x 14.1	143
	60	180	50	142	CFW700E180T2NBN1C3	No	E <sup>5</sup>	26.6 x 13.2 x 14.1	143
	75	211	60	180	CFW700E211T2NBN1C3	No	E <sup>5</sup>	26.6 x 13.2 x 14.1	143

**Notes:**

- 1) CT = Constant Torque, 150% overload / 60 sec.; VT = Variable Torque (Quadratic Load), 110% overload / 60 sec.
- 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) All 575V drives are non-stocked items. Consult WEG for availability.
- 5) Maximum 45°C ambient temperature without derating
- 6) Dimensions and weights are provided for estimating purposes only.  
For other technical data please refer to WEG product manual.

Variable Frequency Drives and Enclosed Motor Controls

## CFW700

### NEMA 1 Enclosure

Motor Voltage	ND / VT <sup>1</sup>		HD / CT <sup>1</sup>		Catalog Number	Braking Transistor	Frame Size	Dimensions (in.) HxWxD <sup>6</sup>	Approx. Weight (lbs.) <sup>6</sup>	
	Motor HP <sup>2</sup>	Drive Amps <sup>3</sup>	Motor HP <sup>2</sup>	Drive Amps <sup>3</sup>						
460 Vac	<b>Input Power Supply: Three-Phase 380-480 Vac with Dynamic Braking Transistor</b>									
	2	3.6	2	3.6	CFW700A03P6T4DBN1	Yes	A	12.1 x 5.8 x 9.0	13.9	
	3	5.0	3	5.0	CFW700A05P0T4DBN1	Yes	A	12.1 x 5.8 x 9.0	13.9	
	5	7.0	3	5.5	CFW700A07P0T4DBN1	Yes	A	12.1 x 5.8 x 9.0	13.9	
	7 1/2	10	5	10	CFW700A10P0T4DBN1	Yes	A	12.1 x 5.8 x 9.0	13.9	
	10	13.5	7 1/2	11	CFW700A13P5T4DBN1	Yes	A	12.1 x 5.8 x 9.0	13.9	
	10	17	10	13.5	CFW700B17P0T4DBN1	Yes	B	13.9 x 7.5 x 9.0	24.1	
	15	24	10	19	CFW700B24P0T4DBN1	Yes	B	13.9 x 7.5 x 9.0	24.1	
	20	31	15	25	CFW700B31P0T4DBN1	Yes	B	13.9 x 7.5 x 9.0	24.1	
	25	38	20	33	CFW700C38P0T4DBN1	Yes	C	17.7 x 8.7 x 11.5	44.6	
	30	45	25	38	CFW700C45P0T4DBN1	Yes	C	17.7 x 8.7 x 11.5	44.6	
	40	58.5	30	47	CFW700C58P5T4DBN1	Yes	C	17.7 x 8.7 x 11.5	44.6	
	50/60	70.5	40	61	CFW700D70P5T4DBN1	Yes	D	19.9 x 11.9 x 12.0	120.2	
	60/75	88	50	73	CFW700D88P0T4DBN1	Yes	D	19.9 x 11.9 x 12.0	120.2	
	75	105	75	88	CFW700E105T4DBN1C3	Yes	E <sup>5</sup>	26.6 x 13.2 x 14.1	143	
	100/125	142	75	115	CFW700E142T4DBN1C3	Yes	E <sup>5</sup>	26.6 x 13.2 x 14.1	143	
	150	180	100	142	CFW700E180T4DBN1C3	Yes	E <sup>5</sup>	26.6 x 13.2 x 14.1	143	
	175	211	150	180	CFW700E211T4DBN1C3	Yes	E <sup>5</sup>	26.6 x 13.2 x 14.1	143	
	<b>Input Power Supply: Three-Phase 380-480 Vac without Dynamic Braking Transistor</b>									
	75	105	75	88	CFW700E105T4NBN1C3	No	E <sup>5</sup>	26.6 x 13.2 x 14.1	143	
	100/125	142	75	115	CFW700E142T4NBN1C3	No	E <sup>5</sup>	26.6 x 13.2 x 14.1	143	
150	180	100	142	CFW700E180T4NBN1C3	No	E <sup>5</sup>	26.6 x 13.2 x 14.1	143		
175	211	150	180	CFW700E0211T4NBN1C3	No	E <sup>5</sup>	26.6 x 13.2 x 14.1	143		

**Notes:**

- 1) CT = Constant Torque, 150% overload / 60 sec.; VT = Variable Torque (Quadratic Load), 110% overload / 60 sec.
- 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) All 575V drives are non-stocked items. Consult WEG for availability.
- 5) Maximum 45°C ambient temperature without derating.
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For other technical data please refer to WEG product manual.

### NEMA 1 Enclosure

Motor Voltage	ND / VT <sup>1</sup>		HD / CT <sup>1</sup>		Catalog Number	Braking Transistor	Frame Size	Dimensions (in.) HxWxD <sup>6</sup>	Approx. Weight (lbs.) <sup>6</sup>
	Motor HP <sup>2</sup>	Drive Amps <sup>3</sup>	Motor HP <sup>2</sup>	Drive Amps <sup>3</sup>					
575 Vac <sup>4</sup>	<b>Input Power Supply: Three-Phase 500-600 Vac with Dynamic Braking Transistor</b>								
	2	2.9	2	2.7	CFW700B02P9T5DBN1	Yes	B	13.9 x 7.5 x 9.0	24.1
	3	4.2	3	3.8	CFW700B04P2T5DBN1	Yes	B	13.9 x 7.5 x 9.0	24.1
	7 1/2	7.0	5	6.5	CFW700B07P0T5DBN1	Yes	B	13.9 x 7.5 x 9.0	24.1
	10	10	7 1/2	9.0	CFW700B10P0T5DBN1	Yes	B	13.9 x 7.5 x 9.0	24.1
	10	12	10	10	CFW700B12P0T5DBN1	Yes	B	13.9 x 7.5 x 9.0	24.1
	15	17	15	17	CFW700B17P0T5DBN1	Yes	B	13.9 x 7.5 x 9.0	24.1
	20	22	20	19	CFW700D22P0T5DBN1	Yes	D	19.9 x 11.9 x 12.0	120.2
	25	27	20	22	CFW700D27P0T5DBN1	Yes	D	19.9 x 11.9 x 12.0	120.2
	30	32	25	27	CFW700D32P0T5DBN1	Yes	D	19.9 x 11.9 x 12.0	120.2
	40	44	30	36	CFW700D44P0T5DBN1	Yes	D	19.9 x 11.9 x 12.0	120.2
	50	53	40	44	CFW700E53P0T5DBN1C3	Yes	E <sup>5</sup>	26.6 x 13.2 x 14.1	143
	60	63	50	53	CFW700E63P0T5DBN1C3	Yes	E <sup>5</sup>	26.6 x 13.2 x 14.1	143
	75	80	75	66	CFW700E80P0T5DBN1C3	Yes	E <sup>5</sup>	26.6 x 13.2 x 14.1	143
	100	107	100	90	CFW700E0107T5DBN1C3	Yes	E <sup>5</sup>	26.6 x 13.2 x 14.1	143
	125	125	100	107	CFW700E0125T5DBN1C3	Yes	E <sup>5</sup>	26.6 x 13.2 x 14.1	143
	150	150	125	122	CFW700E0150T5DBN1C3	Yes	E <sup>5</sup>	26.6 x 13.2 x 14.1	143
	<b>Input Power Supply: Three-Phase 500-600 Vac without Dynamic Braking Transistor</b>								
	20	22	20	19	CFW700D22P0T5NBN1	No	D	26.6 x 13.2 x 14.1	120.2
	25	27	20	22	CFW700D27P0T5NBN1	No	D	26.6 x 13.2 x 14.1	120.2
	30	32	25	27	CFW700D32P0T5NBN1	No	D	26.6 x 13.2 x 14.1	120.2
	40	44	30	36	CFW700D44P0T5NBN1	No	D	26.6 x 13.2 x 14.1	120.2
	50	53	40	44	CFW700E53P0T5NBN1C3	No	E <sup>5</sup>	26.6 x 13.2 x 14.1	143
	60	63	50	53	CFW700E63P0T5NBN1C3	No	E <sup>5</sup>	26.6 x 13.2 x 14.1	143
	75	80	75	66	CFW700E80P0T5NBN1C3	No	E <sup>5</sup>	26.6 x 13.2 x 14.1	143
	100	107	100	90	CFW700E0107T5NBN1C3	No	E <sup>5</sup>	26.6 x 13.2 x 14.1	143
125	125	100	107	CFW700E0125T5NBN1C3	No	E <sup>5</sup>	26.6 x 13.2 x 14.1	143	
150	150	125	122	CFW700E0150T5NBN1C3	No	E <sup>5</sup>	26.6 x 13.2 x 14.1	143	

**Notes:**

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Variable Frequency Drives and Enclosed Motor Controls

## CFW700

### Options and Accessories

Type	Catalog Number	Description
Communication	<b>CAN-01</b>	CAN interface module (CANopen/DeviceNet) (CFW11 & CFW700)
	<b>PROFIBUS DP-01</b>	Profibus DP-V1 interface module (CFW11 & CFW700)
I/O	<b>CCK-01</b>	Relay Output Module for CFW700 and CFW701, 2 Form C Relay Outputs
Flash Memory	<b>MMF-02</b>	Flash Memory Module for CFW700 and CFW701
Keypad and Accessories	<b>HMI-02</b>	CFW700 Standard Keypad with USB
	<b>RHMIF-02</b>	CFW700 Remote Keypad Frame Kit
	<b>HMI-03</b>	CFW701 Standard Keypad with USB
	<b>RHMIF-03</b>	CFW701 Remote Keypad Frame Kit
	<b>HMID-01</b>	Blank Keypad Cover for Keypad Slot (CFW11, CFW700 & CFW701)
Remote Keypad Cable	<b>IHM-CAB-RS-1M</b>	3.3 ft (1 meter) Remote Keypad Cable (CFW11 & CFW700)
	<b>IHM-CAB-RS-2M</b>	6.6 ft (2 meter) Remote Keypad Cable (CFW11 & CFW700)
	<b>IHM-CAB-RS-3M</b>	9.9 ft (3 meter) Remote Keypad Cable (CFW11 & CFW700)
	<b>IHM-CAB-RS-5M</b>	16 ft (5 meter) Remote Keypad Cable (CFW11 & CFW700)
	<b>IHM-CAB-RS-7.5M</b>	25 ft (7.5 meter) Remote Keypad Cable (CFW11 & CFW700)
	<b>IHM-CAB-RS-10M</b>	33 ft (10 meter) Remote Keypad Cable (CFW11 & CFW700)
Remote Oper. Station	<b>CSW-SP3PBS</b>	Remote Operator Station-includes 22mm Start PB, Stop PB, 1-NC and 1-NO contact block, 5k-ohm Potentiometer and legends (replaces CFW-REM)
	<b>CSW30-SP3PBS</b>	Remote Operator Station-includes 30mm Start PB, Stop PB, 1-NC and 1-NO contact block, 5k-ohm Potentiometer and legends (replaces CFW-REM)
Conduit Kit	<b>KN1A-02</b>	Conduit Kit for frame size A with power cables shielding
	<b>KN1B-02</b>	Conduit Kit for frame size B with power cables shielding
	<b>KN1C-02</b>	Conduit Kit for frame size C with power cables shielding
	<b>KN1E-01</b>	Top cover kit for frame size E (105 & 142A)
	<b>KN1E-02</b>	Top cover kit plus Conduit kit for frame size E (180 & 211A)
	<b>KIP21D-01</b>	IP21 Kit for Frame size D (top cover) (CFW11 & CFW700)
Cable Shield Kit	<b>PCSA-01</b>	Power Cables Shielding Kit for frame size A (CFW11 & CFW700)
	<b>PCSB-01</b>	Power Cables Shielding Kit for frame size B (CFW11 & CFW700)
	<b>PCSC-01</b>	Power Cables Shielding Kit for frame size C (CFW11 & CFW700)
	<b>PCSD-01</b>	Power Cables Shielding Kit for frame size D (CFW11 & CFW700)
	<b>PCSE-01</b>	Power Cables Shielding Kit for frame size E (CFW11 & CFW700)

Variable Frequency Drives and Enclosed Motor Controls

### Technical Data

<b>Power Supply</b>	Voltage	Single Phase or Three Phase	200-240V (+10%, -15%)
		Three phase	380-480V (+10%, -15%)
	Frequency	50 / 60Hz +/- 2Hz	
	Displacement Power Factor (Cos)	Greater than 0.98	
<b>Enclosure</b>	Degree of Protection	NEMA 1	
<b>Control</b>	Control Modes	Volts per Hertz (Scalar)	Voltage Vector (VFW)
		Sensorless Vector	Vector with encoder
	Power Output	Sinusoidal PWM (Space Vector Modulation)	
		IGBT Transistors	
	Switching Frequency	1.25, 2.0, 2.5, 5.0 or 10.0 kHz	
	Frequency Range	0-300 Hz in Scalar Mode; 120 Hz in Vector Mode	
	Overload Capacity	CT = Constant Torque, 150% overload / 60 sec. VT = Variable Torque (Quadratic Load), 110% overload / 60 sec.	
<b>Control Inputs</b>	8 programmable isolated digital inputs, 24Vdc logic		
	2 isolated programmable differential analog inputs 11 bit; programmable for current or voltage (0-10V, 4-20mA or 0-20mA)		
	Motor thermistor - PTC/PT100/KTY84		
	Incremental encoder input – 5 to 12V		
<b>Control Outputs</b>	1 programmable relay output; NO/NC (Form C); 240Vac, 30Vdc / 0.75 A		
	4 programmable isolated open collector digital outputs; 24Vdc, 80mA max.		
	2 non-isolated programmable analog outputs 10 bit; programmable for current or voltage (0-10V, 4-20mA or 0-20mA)		
<b>Communication</b>	Serial	Optional RS-232 serial interface, RS-485 with external RS-232/485 converter	
	Field Bus	Isolated RS-485 / Modbus RTU (standard)	
		CAN interface module (CANopen/DeviceNet)	
		Profibus DP interface module	
<b>Safety</b>	Protections	Motor over current	DC link over voltage
		Motor overload	DC link under voltage
		Output phase-to-phase short circuit	Drive over temperature
		Output phase-to-ground short circuit	External fault
		Programming error	
<b>Ambient</b>	Temperature	14 - 122°F (50°C), up to 140°F (60°C) with 2% / 1.8°F (1°C) output current derating	
	Humidity	5-90% Non Condensing	
	Altitude	0-3300 ft (1000m), up to 13,200 ft (4000m) with 1% output current derating per 330ft (100m) above 3300 ft (1000m).	
<b>Regulatory / Safety Conformance</b>	IEC 60146	Semiconductor convertors	
	UL 508 C	Power Conversion Equipment	
	UL 840	Insulation coordination including clearances and creepage distances for electrical equipment.	
	UL 94	Plenum Rated - Meets UL94 Standard for Tests for Flammability	
	EN 50178	Electronic equipment for use in power installations	
	EN 61800-2	General requirements adjustable speed electrical power drive systems	
	EN 61800-3	EMC product standard including specific test methods adjustable speed electrical power drive systems	
	EN 61800-5-1	Safety requirements adjustable speed electrical power drive systems	
	EN 60204-1	Safety of machinery. Electrical equipment of machines. Part 1: General requirements.	
	RoHS and WEEE Guidelines		
<b>Approvals</b>	UL, cUL, CE, C-Tick, GOST, IRAM		
<b>Special Functions</b>	Linear and "S" ramp accel and decel, local/remote control, FWD/REV selection, DC braking, manual and auto torque boost, motor slip compensation, electronic pot, two skip frequencies, max. and min. adjustable frequency limits, adjustable output current, PID Controller		
<b>Keypad</b>	Backlit LCD display with 9 operator keys, remote mounting option available		
	Readouts for: output frequency (Hz), output current (A), output voltage (V), motor torque (%) in vector mode, DC bus voltage (V), value proportional to frequency (Ex.: RPM), heatsink temperature, fault and status messages		

Variable Frequency Drives and Enclosed Motor Controls

# Variable Frequency Drives



CFW700

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

Motor Voltage	Motor HP <sup>1</sup>	CFW11 Catalog Number	Braking Resistor Catalog Number <sup>2</sup>	Rated Ohms	Rated Watts	Dimensions (in.) HxWxD <sup>3</sup>
230 Vac	1 1/2	CFW700A06P0B2DBN1	CFDB5-125-224	125	224	5 x 12 x 5
	2	CFW700A07P0B2DBN1	CFDB5-95-298	95	298	5 x 12 x 7
	2	CFW700A07P0T2DBN1	CFDB5-95-298	95	298	5 x 12 x 7
	3	CFW700A10P0S2DBN1	CFDB5-63-448	63	448	5 x 12 x 7
	3	CFW700A10P0T2DBN1	CFDB5-63-448	63	448	5 x 12 x 7
	5	CFW700A13P0T2DBN1	CFDB5-38-746	38	746	5 x 12 x 10
	5	CFW700A16P0T2DBN1	CFDB5-38-746	38	746	5 x 12 x 10
	7 1/2	CFW700B24P0T2DBN1	CFDB5-26-1119	26	1,119	5 x 12 x 13
	10	CFW700B28P0T2DBN1	CFDB5-19-1492	19	1,492	5 x 12 x 16
	10	CFW700B33P5T2DBN1	CFDB5-19-1492	19	1,492	5 x 12 x 16
	15	CFW700C45P0T2DBN1	CFDB5-13-2238	12.6	2,238	5 x 19 x 10
	20	CFW700C54P0T2DBN1	CFDB5-10-2984	9.6	2,984	5 x 19 x 10
	25	CFW700C70P0T2DBN1	CFDB5-8-3730	7.5	3,730	5 x 19 x 13
	30	CFW700D86P0T2DBN1	CFDB5-7-4476	6.3	4,476	5 x 26.5 x 13
	40	CFW700D105T2DBN1	CFDB5-5-5968	4.9	5,968	5 x 26.5 x 16
	50	CFW700E142T2DBN1C3	CFDB5-4-7460	3.9	7,460	10 x 28 x 10
	60	CFW700E180T2DBN1C3	CFDB5-4-8952	3.3	8,952	10 x 28 x 10
75	CFW700E211T2DBN1C3	CFDB5-3-11190	2.7	11,190	10 x 28 x 13	
460 Vac	2	CFW700A03P6T4DBN1	CFDB5-375-298	375	298	5 x 12 x 7
	3	CFW700A05P0T4DBN1	CFDB5-250-448	250	448	5 x 12 x 7
	5	CFW700A07P0T4DBN1	CFDB5-150-746	150	746	5 x 12 x 10
	7 1/2	CFW700A10P0T4DBN1	CFDB5-100-1119	100	1,119	5 x 12 x 13
	10	CFW700A13P5T4DBN1	CFDB5-75-1492	75	1,492	5 x 12 x 16
	10	CFW700B17P0T4DBN1	CFDB5-75-1492	75	1,492	5 x 12 x 16
	15	CFW700B24P0T4DBN1	CFDB5-50-2238	50	2,238	5 x 19 x 13
	20	CFW700B31P0T4DBN1	CFDB5-38-2984	38	2,984	5 x 19 x 16
	25	CFW700C38P0T4DBN1	CFDB5-30-3730	30	3,730	5 x 26.5 x 13
	30	CFW700C45P0T4DBN1	CFDB5-25-4476	25	4,476	5 x 26.5 x 13
	40	CFW700C58P5T4DBN1	CFDB5-19-5968	19	5,968	5 x 26.5 x 16
	50/60	CFW700D70P5T4DBN1	CFDB2-15-8952	15	8,952	10 x 28 x 13
	60/75	CFW700D88P0T4DBN1	CFDB5-10-11190	10	11,190	10 x 28 x 16
	75	CFW700E105T4DBN1C3	CFDB5-10-11190	10	11,190	10 x 28 x 16
	100/125	CFW700E142T4DBN1C3	CFDB5-8-18650	8	18,650	24 x 30 x 18
	150	CFW700E180T4DBN1C3	CFDB5-5-22380	5	22,380	24 x 30 x 18
	175	CFW700E211T4DBN1C3	CFDB5-5-29840	5	29,840	24 x 30 x 18

Notes:

1) Dimensions are provided for estimating purposes only.

Variable Frequency Drives and Enclosed Motor Controls

### 100% Braking Torque at 50% Duty Cycle (30 Seconds Max. Braking Time) NEMA 1 Enclosure

Motor Voltage	Motor HP <sup>1</sup>	CFW700 Catalog Number	Braking Resistor Catalog Number <sup>2</sup>	Rated Ohms	Rated Watts	Dimensions (in.) HxWxD <sup>3</sup>
230 Vac	1 1/2	CFW700A06P0B2DBN1	CFDB5-125-560	125	560	5 x 12 x 10
	2	CFW700A07P0B2DBN1	CFDB5-95-746	95	746	5 x 12 x 10
	2	CFW700A7P0T2DBN1	CFDB5-95-746	95	746	5 x 12 x 10
	3	CFW700A10P0S2DBN1	CFDB5-63-1119	63	1,119	5 x 12 x 10
	3	CFW700A10P0T2DBN1	CFDB5-63-1119	63	1,119	5 x 12 x 10
	5	CFW700A13P0T2DBN1	CFDB5-38-1865	38	1,865	5 x 19 x 13
	5	CFW700A16P0T2DBN1	CFDB5-38-1865	38	1,865	5 x 19 x 13
	7 1/2	CFW700B24P0T2DBN1	CFDB5-26-2798	26	2,798	5 x 26.5 x 13
	10	CFW700B28P0T2DBN1	CFDB5-19-3730	19	3,730	5 x 26.5 x 13
	10	CFW700B33P5T2DBN1	CFDB5-19-3730	19	3,730	5 x 26.5 x 13
	15	CFW700C45P0T2DBN1	CFDB5-13-5595	12.6	5,595	5 x 26.5 x 16
	20	CFW700C54P0T2DBN1	CFDB5-10-7460	9.6	7,460	10 x 28 x 13
	25	CFW700C70P0T2DBN1	CFDB5-8-9325	7.5	9,325	10 x 28 x 13
	30	CFW700D86P0T2DBN1	CFDB5-7-11190	6.3	11,190	10 x 28 x 16
	40	CFW700D105T2DBN1	CFDB5-5-14920	4.9	14,920	24 x 30 x 18
	50	CFW700E142T2DBN1 C3	CFDB5-4-18650	3.9	18,650	24 x 30 x 18
	60	CFW700E180T2DBN1 C3	CFDB5-4-22380	3.3	22,380	24 x 30 x 18
	75	CFW700E211T2DBN1 C3	CFDB5-3-27975	2.7	27,975	32 x 30 x 18
460 Vac	2	CFW700A03P6T4DBN1	CFDB5-375-746	375	746	5 x 12 x 13
	3	CFW700A05P0T4DBN1	CFDB5-250-1119	250	1,119	5 x 12 x 16
	5	CFW700A07P0T4DBN1	CFDB5-150-1865	150	1,865	5 x 19 x 13
	7 1/2	CFW700A10P0T4DBN1	CFDB5-100-2798	100	2,798	5 x 19 x 16
	10	CFW700A13P5T4DBN1	CFDB5-75-3730	75	3,730	5 x 26.5 x 16
	10	CFW700B17P0T4DBN1	CFDB5-75-3730	75	3,730	5 x 26.5 x 16
	15	CFW700B24P0T4DBN1	CFDB5-50-5595	50	5,595	10 x 28 x 13
	20	CFW700B31P0T4DBN1	CFDB5-38-7460	38	7,460	10 x 28 x 13
	25	CFW700C38P0T4DBN1	CFDB5-30-9325	30	9,325	10 x 28 x 16
	30	CFW700C45P0T4DBN1	CFDB5-25-11190	25	11,190	10 x 28 x 16
	40	CFW700C58P5T4DBN1	CFDB5-19-14920	19	14,920	24 x 30 x 18
	50/60	CFW700D70P5T4DBN1	CFDB2-15-22380	15	22,380	24 x 30 x 18
	75	CFW700D88P0T4DBN1	CFDB5-10-27975	10	27,975	32 x 30 x 18
	75	CFW700E105T4DBN1 C3	CFDB5-10-27975	10	27,975	32 x 30 x 18
	100/125	CFW700E142T4DBN1 C3	CFDB5-8-46625	8	46,625	32 x 30 x 18
	150	CFW700E180T4DBN1 C3	CFDB5-5-55950	5	55,950	48 x 30 x 18
	175	CFW700E211T4DBN1 C3	CFDB5-5-74600	5	74,600	72 x 30 x 18

Variable Frequency Drives and Enclosed Motor Controls

**Notes:**

- 1) "HP" rating based on "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.

### 3% Z (Impedance) – NEMA 1 Enclosure

Motor Voltage	Motor HP	Reactor Amps	Catalog Number	Dimensions (in.) <sup>1</sup> HxWxD	Approx. Weight (lbs.) <sup>1</sup>
230 Vac	<b>Input Power Supply: Three-Phase 230 Vac</b>				
	3	12	LRW012D3N1	8 x 8 x 6	16
	5	18	LRW018D3N1	8 x 8 x 6	16
	7 1/2	25	LRW025D3N1	13 x 13.3 x 13.1	42
	10	35	LRW035D3N1	13 x 13.3 x 13.1	45
	15	45	LRW045D3N1	13 x 13.3 x 13.1	54
	20	55	LRW055D3N1	13 x 13.3 x 13.1	55
	25 / 30	80	LRW080D3N1	13 x 13.3 x 13.1	74
	40	100	LRW100D3N1	13 x 13.3 x 13.1	78
	50	130	LRW130D3N1	13 x 13.3 x 13.1	60
	60	160	LRW160D3N1	13 x 13.3 x 13.1	71
75	200	LRW200D3N1	13 x 13.3 x 13.1	79	
460 Vac	<b>Input Power Supply: Three-Phase 460 Vac</b>				
	1 1/2	2	LRW002G3N1	8 x 8 x 6	11
	2, 3	4	LRW004G3N1	8 x 8 x 6	11
	5	8	LRW008G3N1	8 x 8 x 6	14
	7 1/2	12	LRW012G3N1	8 x 8 x 6	16
	10	18	LRW018G3N1	8 x 8 x 6	16
	15	25	LRW025G3N1	13 x 13.3 x 13.1	42
	20 / 25	35	LRW035G3N1	13 x 13.3 x 13.1	45
	30	45	LRW045G3N1	13 x 13.3 x 13.1	54
	40	55	LRW055G3N1	13 x 13.3 x 13.1	55
	50 / 60	80	LRW080G3N1	13 x 13.3 x 13.1	60
	75	100	LRW100G3N1	13 x 13.3 x 13.1	71
	100	130	LRW130G3N1	13 x 13.3 x 13.1	74
	125	160	LRW160G3N1	13 x 13.3 x 13.1	48
	150	200	LRW200G3N1	13 x 13.3 x 13.1	79
	200	250	LRW250G3N1	24 x 18.4 x 16.8	99
	250	320	LRW320G3N1	24 x 18.4 x 16.8	155
	300	400	LRW400G3N1	24 x 18.4 x 16.8	155
	350 / 400	500	LRW500G3N1	47 x 26.5 x 24.9	165
450 / 500	600	LRW600G3N1	47 x 26.5 x 24.9	205	
750 / 800	1000	LRW1000G3N1	Consult Factory		

Notes:

1) Dimensions and weights are provided for estimating purposes only.