



CFW500 Variable Frequency Drives are extremely compact and cost effective. The CFW500 is designed for OEM, system integrators, panel builders, and end users providing great benefit. With Generation-2 (G2), the CFW500 drives now offer more features in the same footprint as Generation-1 drives & the power range is extended to 75HP @ 230VAC and 175HP @ 460VAC.



Standard Features

- Ratings:
 - 1/3 to 3HP @ 3/230VAC, 1-Phase to 3-Phase.
 - 2 to 75HP @ 3/230VAC, 3-Phase to 3-Phase.
 - ½ to 175HP @ 3/460VAC, 3-Phase to 3-Phase.
- Control modes: Scalar (V/F), VVW, VVW for PM Motor & Vector Control (Sensorless and closed loop with encoder feedback)
- Heavy Duty (150% O/L for 60 Seconds) as a standard, (Frame dependent)
- Built in SoftPLC; SoftPLC Program now stored in control board.
- Conformal Coated Circuit Boards.
- Ambient temperature up to 50°C (Frame Dependent).
- IP20 enclosure (Optional NEMA 1 kit available).
- Integrated keypad with LCD display & optional remote Advanced text keypad with Real Time Clock.
- Flexible “Plug-In” Interface Modules including Optional STO (Safe Torque Off) Module.
- RS-485 (Modbus RTU/BACnet) Communication as a standard. Optional: CANopen, DeviceNet, Profibus DP, ProfiNet IO, Ethernet I/P, Modbus TCP/IP.
- Now available with WEG Pump Genius – Simplex and Multiplex (up to three pumps)

Applications:

Extruders
Conveyor belts
Roller table
Fans / Exhausters
Centrifugal pumps
Granulators / Palletizers
Dryers and rotary ovens
Process dosing pumps
Stirrers / Mixers
Compressors



CFW500 - IP20 - G2 (GENERATION-2) MACHINERY DRIVE

MOTOR VOLTAGE - 230 VAC/3 PHASE

Motor HP ¹ (ND/HD) ²	Drive Amps (ND/HD) ²	Catalog Number	Dimensions (in.) HxWxD
Input Power Supply: Single-Phase 200-240 Vac			
0.33/0.33	1.6/1.6	CFW500A01P6S2NB20G2	7.5 x 3.0 x 5.9
0.75/0.75	2.6/2.6	CFW500A02P6S2NB20G2	7.5 x 3.0 x 5.9
1.5/1.5	4.3/4.3	CFW500A04P3S2NB20G2	7.5 x 3.0 x 5.9
2/2	7.3/7.3	CFW500A07P0S2NB20G2	7.5 x 3.0 x 5.9
Input Power Supply: Single or Three-Phase 200-240 Vac			
0.33/0.33	1.6/1.6	CFW500A01P6B2NB20G2	7.5 x 3.0 x 5.9
0.75/0.75	2.6/2.6	CFW500A02P6B2NB20G2	7.5 x 3.0 x 5.9
1.5/1.5	4.3/4.3	CFW500A04P3B2NB20G2	7.5 x 3.0 x 5.9
2/2	7.3/7.3	CFW500B07P3B2DB20G2	7.9 x 4.0 x 6.3
3/3	10/10	CFW500B10P0B2DB20G2	7.9 x 4.0 x 6.3
Input Power Supply: Three-Phase 200-240 Vac			
2/2	7/7	CFW500A07P0T2NB20G2	7.5 x 3.0 x 5.9
3/3	9.6/9.6	CFW500A09P6T2NB20G2	7.5 x 3.0 x 5.9
5/5	16/16	CFW500B16P0T2DB20G2	7.9 x 4.0 x 6.3
7.5/7.5	24/24	CFW500C24P0T2DB20G2	8.3 x 5.3 x 6.5
10/10	28/28	CFW500D28P0T2DB20G2	12.1 x 7.1 x 6.6
10/10	33/33	CFW500D33P0T2DB20G2	12.1 x 7.1 x 6.6
15/15	47/47	CFW500D47P0T2DB20G2	12.1 x 7.1 x 6.6
20/20	56/56	CFW500E56P0T2DB20G2	13.8 x 8.7 x 7.6
25/20	77/64	CFW500F77P0T2DB20G2	21.6 x 11.8 x 10
30/25	88/75	CFW500F88P0T2DB20G2	21.6 x 11.8 x 10
40/30	105/88	CFW500F105T2DB20G2	21.6 x 11.8 x 10
50/40	145/115	CFW500G0145T2NB20G2	26.6 x 13.2 x 12.4
60/50	180/145	CFW500G0180T2NB20G2	26.6 x 13.2 x 12.4
75/60	211/180	CFW500G0211T2NB20G2	26.6 x 13.2 x 12.4
50/40	145/115	CFW500G0145T2DB20G2	26.6 x 13.2 x 12.4
60/50	180/145	CFW500G0180T2DB20G2	26.6 x 13.2 x 12.4
75/60	211/180	CFW500G0211T2DB20G2	26.6 x 13.2 x 12.4

MOTOR VOLTAGE - 460 VAC/3 PHASE

Motor HP ¹ (ND/HD) ²	Drive Amps (ND/HD) ²	Catalog Number	Dimensions (in.) HxWxD
Input Power Supply: Single-Phase 380-480 Vac			
0.5/0.5	1.0/1.0	CFW500A01P0T4NB20G2	7.5 x 3.0 x 5.9
1/1	1.6/1.6	CFW500A01P6T4NB20G2	7.5 x 3.0 x 5.9
2/2	2.6/2.6	CFW500A02P6T4NB20G2	7.5 x 3.0 x 5.9
3/3	4.3/4.3	CFW500A04P3T4NB20G2	7.5 x 3.0 x 5.9
3/3	6.1/6.1	CFW500A06P1T4NB20G2	7.5 x 3.0 x 5.9
2/2	2.6/2.6	CFW500B02P6T4DB20G2	7.9 x 4.0 x 6.3
3/3	4.3/4.3	CFW500B04P3T4DB20G2	7.9 x 4.0 x 6.3
5/5	6.5/6.5	CFW500B06P5T4DB20G2	7.9 x 4.0 x 6.3
7.5/7.5	10/10	CFW500B10P0T4DB20G2	7.9 x 4.0 x 6.3
10/10	14/14	CFW500C14P0T4DB20G2	8.3 x 5.3 x 6.5
10/10	16/16	CFW500C16P0T4DB20G2	8.3 x 5.3 x 6.5
15/15	24/24	CFW500D24P0T4DB20G2	12.1 x 7.1 x 6.6
25/25	31/31	CFW500D31P0T4DB20G2	12.1 x 7.1 x 6.6
30/30	39/39	CFW500E39P0T4DB20G2	13.8 x 8.7 x 7.6
40/40	49/49	CFW500E49P0T4DB20G2	13.8 x 8.7 x 7.6
60/50	77/61	CFW500F77P0T4DB20G2	21.6 x 11.8 x 10
75/60	88/73	CFW500F88P0T4DB20G2	21.6 x 11.8 x 10
75/75	105/88	CFW500F105T4DB20G2	21.6 x 11.8 x 10
125/100	142/115	CFW500G0142T4NB20G2	26.6 x 13.2 x 12.4
150/125	180/142	CFW500G0180T4NB20G2	26.6 x 13.2 x 12.4
175/150	211/180	CFW500G0211T4NB20G2	26.6 x 13.2 x 12.4
125/100	142/115	CFW500G0142T4DB20G2	26.6 x 13.2 x 12.4
150/125	180/142	CFW500G0180T4DB20G2	26.6 x 13.2 x 12.4
175/150	211/180	CFW500G0211T4DB20G2	26.6 x 13.2 x 12.4

Notes:

1) "HP" rating based on WEG W22 motors "average FLA values". Use as a guide only.

2) ND (Normal Duty) / VT (Variable Torque): 110% Overload / 60 Sec; HD (Heavy Duty) / CT (Constant Torque): 150% Overload / 60 Sec.

For pricing, contact your Local WEG distributor.

To locate a distributor, Please visit <https://www.weg.net/institutional/US/en/contact/where-to-buy>



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