

WorldDrive G2 Variable Frequency Drive

- Built for clean, dry environments and general-purpose applications— IP20-rated and protected in a NEMA 1 polycarbonate enclosure
- Powerful & versatile— Volts to frequency (V/f), slip compensation, and sensorless vector control technology
- Easy commissioning and operation— Integrated speed potentiometer, built-in/remote keypad and display, or use PC software
- Compact footprint - bookshelf panel mounting and DIN rail mount below 4kW size
- 0.5 -30 hp



Product Features & Specifications

- Starting current: 150% overload for 60 sec, CT
- 200-230 V, Three-phase, 1 - 30 hp CT Rated
- 380-480 V, Three-phase, 1 - 30 hp CT Rated
- Input Voltage range:
 - 200-230 V Single/three-phase (-15%, +10%)
 - 380-480 V Three-phase (-15%, +10%)
- Output frequency: 0-400 Hz, sensorless: 0-300 Hz
- Carrier frequency: 1-15 kHz
- Optional NEMA 1 Conduit Box
- Conformal Coated printed circuit boards
- Built-in Modbus RTU and PID loop control
- Dynamic braking (optional external resistors)
- Ground fault protection
- Manual and automatic torque boost

Accessories

- WDG2 conduit box (see below)
- WDG2 remote keypad with two (2) meter cable and door frame kit (# WDG2CABLE-2)
- Ethernet/RAPIenet communication card (# WDG2ETH1)



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MORE INFO

Heavy-duty (CT) 150% Overload		Normal-duty (VT) 120% Overload		Model	Conduit Connection Box NEMA 1 Enclosure Model Numbers	Dimensions H x W x D (in)*	Weight* (lbs.)
hp	Output Current	hp	Output Current				
230 Volt, Three-phase In / 230 Volt, Three-phase Out							
0.5	2.5	0.75	3.1	WDG20004-2	WDG2CBOX-1	6.5 x 3.4 x 5.5	2.3
1	5	1	6	WDG20008-2	WDG2CBOX-1	6.5 x 3.4 x 5.5	2.3
2	8	3	9.6	WDG20015-2	WDG2CBOX-2	7 x 4 x 6.3	3.1
3	11	—	12	WDG20022-2	WDG2CBOX-2	7 x 4 x 6.3	3.1
5	17	5	18	WDG20040-2	WDG2CBOX-3	7.6 x 5.3 x 6.3	4.2
7.5	24	10	30	WDG20055-2	WDG2CBOX-4	9.5 x 7.1 x 6.0	7.0
10	32	15	40	WDG20075-2	WDG2CBOX-4	9.5 x 7.1 x 6.0	7.0
15	47	20	56	WDG20110-2	WDG2CBOX-5	11.4 x 7.1 x 6.8	10.7
20	60	25	70	WDG20150-2	WDG2CBOX-6	13.6 x 8.7 x 7.4	16.8
25	75	30	82	WDG20185-2	WDG2CBOX-7	15.7 x 10.2 x 7.4	24.7
30	88	-	-	WDG20220-2	WDG2CBOX-7	15.7 x 10.2 x 7.4	24.7
460 Volt, Three-phase In / 460 Volt, Three-phase Out							
0.5	1.3	0.75	2	WDG20004-4	WDG2CBOX-1	6.5 x 3.4 x 5.5	2.3
1	2.5	1.5	3.1	WDG20008-4	WDG2CBOX-1	6.5 x 3.4 x 5.5	2.3
2	4	3	5.1	WDG20015-4	WDG2CBOX-2	7 x 4 x 6.3	3.1
3	5.5	—	6.9	WDG20022-4	WDG2CBOX-2	7 x 4 x 6.3	3.1
5	9	5	10	WDG20040-4	WDG2CBOX-3	7.6 x 5.3 x 6.3	4.2
7.5	12	10	16	WDG20055-4	WDG2CBOX-4	9.5 x 7.1 x 6.0	7.0
10	16	15	23	WDG20075-4	WDG2CBOX-4	9.5 x 7.1 x 6.0	7.0
15	24	20	31	WDG20110-4	WDG2CBOX-5	11.4 x 7.1 x 6.8	11.1
20	31	25	38	WDG20150-4	WDG2CBOX-5	11.4 x 7.1 x 6.8	11.1
25	39	30	45	WDG20185-4	WDG2CBOX-6	13.6 x 8.7 x 7.4	17.6
30	45	40	61	WDG20220-4	WDG2CBOX-6	13.6 x 8.7 x 7.4	17.6

* Given weights and dimensions are approximate
Additional Product Notes: All WDG2 drives can be used for single-phase input / three-phase output. Consult factory to size appropriately.



WorldWide Electric Corporation
295 Woodcliff Drive, Suite 3C
Fairport, NY 14450



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