

# WorldDrive G2

## General Purpose Variable Frequency Drives



Introducing the WDG2 General Purpose Drive. Incorporating enhanced functionality, **integrated speed potentiometer**, remote keypad and optional communication cards, the NEW WorldDrive WDG2 is the right choice for most general-purpose applications.

- **Ultimate Control** - All operational parameters can be configured using PC software or the intuitive, built-in keypad, and current status is shown clearly on the display. Scan QR code with smartphone to quickly view product manual and key information.
- **Operation and Communications** - The unit has a built-in MODBUS RTU, PID Loop Control, and comes standard with V/F, Slip Compensation and Sensorless Vector control.
- **Power For Your Applications** - We offer a full range of units from 0.5 HP to 30 HP at 230v and 460v.
- **Compact Footprint** - bookshelf panel mounting and DIN Rail Mount below 4kW size.
- **Built for Clean, Dry Environments** - Electronics, terminals, and power components are IP20-rated and protected in an NEMA 1 polycarbonate enclosure. The WorldDrive FC is UL, cUL Listed and CE Certified.



### Quick Specs

- Capacity: 0.5 -30 HP, 200-240 Vac, 380-480 Vac
- Output Frequency:
  - 0-400 Hz
  - Sensorless: 0-300 Hz
- Carrier Frequency: 1-15k Hz
- Overload Capacity: 150% for 60 seconds



**Responsive**  
Service & Technical Support



**Quality Products**  
Competitive Pricing



**In Stock Availability**  
Warehouses Nationwide



**Fast Shipping**  
Same-Day Available

## Product Features

- Volts to frequency (V/f), slip compensation, and sensorless vector control
- 150% overload for 60 sec
- 200-230V, Three-phase, 1-30 HP CT Rated
- 380-480V, 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
- Protection degree: IP20 Open default
- Optional NEMA 1 Conduit Box
- Conformal Coated printed circuit boards
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- Built-in Modbus-RTU and PID loop control
- Dynamic braking (Optional External Resistors).
- Ground fault protection
- Manual and automatic torque boost
- UL, cUL listed, CE certified

## 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)

## User Control Panel, Display and Potentiometer



Constant Torque (Heavy Duty) 150% Overload		Variable Torque (Normal Duty) 120% Overload		Model Number	Dimensions (in) <sup>1</sup> H x W x D	Approx. Weight <sup>1</sup> (lbs.)	Conduit Connection Box NEMA 1 Enclosure Model Numbers
HP	Output Current	HP	Output Current				
<b>230 Volt, Three-Phase In / 230 Volt, Three-Phase Out</b>							
0.5	2.5	0.75	3.1	WDG2004-2	6.5 x 3.4 x 5.5	2.3	WDG2CBOX-1
1	5	1	6	WDG2008-2	6.5 x 3.4 x 5.5	2.3	WDG2CBOX-1
2	8	3	9.6	WDG2015-2	7 x 4 x 6.3	3.1	WDG2CBOX-2
3	11	—	12	WDG2022-2	7 x 4 x 6.3	3.1	WDG2CBOX-2
5	17	5	18	WDG2037-2	7.6 x 5.3 x 6.3	4.2	WDG2CBOX-3
7.5	24	10	30	WDG2055-2	9.5 x 7.1 x 6.0	7.0	WDG2CBOX-4
10	32	15	40	WDG2075-2	9.5 x 7.1 x 6.0	7.0	WDG2CBOX-4
15	47	20	56	WDG2110-2	11.4 x 7.1 x 6.8	10.7	WDG2CBOX-5
20	60	25	70	WDG2150-2	13.6 x 8.7 x 7.4	16.8	WDG2CBOX-6
25	75	30	82	WDG2185-2	15.7 x 10.2 x 7.4	24.7	WDG2CBOX-7
30	88	-	-	WDG2220-2	15.7 x 10.2 x 7.4	24.7	WDG2CBOX-7
<b>460 Volt, Three-Phase In / 460 Volt, Three-Phase Out</b>							
0.5	1.3	0.75	2	WDG2004-4	6.5 x 3.4 x 5.5	2.3	WDG2CBOX-1
1	2.5	1.5	3.1	WDG2008-4	6.5 x 3.4 x 5.5	2.3	WDG2CBOX-1
2	4	3	5.1	WDG2015-4	7 x 4 x 6.3	3.1	WDG2CBOX-2
3	5.5	—	6.9	WDG2022-4	7 x 4 x 6.3	3.1	WDG2CBOX-2
5	9	5	10	WDG2037-4	7.6 x 5.3 x 6.3	4.2	WDG2CBOX-3
7.5	12	10	16	WDG2055-4	9.5 x 7.1 x 6.0	7.0	WDG2CBOX-4
10	16	15	23	WDG2075-4	9.5 x 7.1 x 6.0	7.0	WDG2CBOX-4
15	24	20	31	WDG2110-4	11.4 x 7.1 x 6.8	11.1	WDG2CBOX-5
20	31	25	38	WDG2150-4	11.4 x 7.1 x 6.8	11.1	WDG2CBOX-5
25	39	30	45	WDG2185-4	13.6 x 8.7 x 7.4	17.6	WDG2CBOX-6
30	45	40	61	WDG2220-4	13.6 x 8.7 x 7.4	17.6	WDG2CBOX-6

<sup>1</sup> 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 is a leading manufacturer of electric motors, motor controls, gear reducers, and generators. Offering fast, often same-day, shipping from seven regional US warehouses, WorldWide Electric takes pride in providing a competitive edge to our customers by responding to their requirements with urgency, technical expertise, and professionalism.

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