

WorldDrive GP

General Purpose Variable Frequency Drives



Specializing in simplicity without sacrificing performance, the WDGP chassis variable frequency drive is ideal for general purpose control applications.

The WDGP offers three control modes: Volts to frequency (V/f), slip compensation, and sensorless vector control. Its features include a compact footprint in 6 frame sizes (0.5 HP to 30 HP) and a user-friendly keypad interface for simple parameter definition. The WorldDrive GP 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
- Starting Current: 150% overload 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
- 200-230 V, Single-phase, 0.5-2 HP
- 200-230 V, Three-phase, 1-30 HP
- 380-480 V, Three-phase, 1-30 HP
- 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: NEMA 1 / IP20
- Conformal Coated printed circuit boards
- Built-in Modbus-RTU
- Built-in dynamic braking control
- Built-in PID loop control
- Ground fault protection
- Higher ratings available for single-phase input
- Available accessories: WDGP Conduit Box, WDGP Remote Keypad with Cable
- UL, cUL listed, CE certified

230 Volt, Single-Phase In / 230 Volt, Three-Phase Out					
HP	Output Current	Model Number	Dimensions (in) ¹ H x W x D	Approx. Weight ¹ (lbs.)	Conduit Connection Box NEMA 1 Enclosure
					Model Number
0.5	3	WDGP004-1	5 x 2.8 x 5.1	1.68	WDGPCBOX-1
1	5	WDGP008-1	5 x 2.8 x 5.1	1.68	WDGPCBOX-2
2	7	WDGP015-1	5 x 5.5 x 6.1	4.17	WDGPCBOX-3

Constant Torque 150% Overload		Variable Torque 120% Overload		Model Number	Dimensions (in) ¹ H x W x D	Approx. Weight ¹ (lbs.)	Conduit Connection Box NEMA 1 Enclosure
HP	Output Current	HP	Output Current				Model Number
230 Volt, Three-Phase In / 230 Volt, Three-Phase Out							
0.5	3	—	—	WDGP004-2	5 x 2.8 x 5.1	1.68	WDGPCBOX-1
1	5	—	—	WDGP008-2	5 x 2.8 x 5.1	1.68	WDGPCBOX-1
2	7	—	—	WDGP015-2	5 x 3.9 x 5.1	2.47	WDGPCBOX-2
3	11	—	—	WDGP022-2	5 x 5.5 x 6.1	4.17	WDGPCBOX-3
5	17	—	—	WDGP037-2	5 x 5.5 x 6.1	4.17	WDGPCBOX-3
7.5	24	10	30	WDGP055-2	8.7 x 7 x 6.7	8.07	WDGPCBOX-4
10	32	15	44	WDGP075-2	8.7 x 7 x 6.7	8.07	WDGPCBOX-4
15	45	20	50	WDGP110-2	12.6 x 9.3 x 7.5	19.84	WDGPCBOX-5
20	64	25	73	WDGP150-2	12.6 x 9.3 x 7.5	19.84	WDGPCBOX-5
25	76	30	85	WDGP185-2	16.1 x 10.2 x 8.2	29.32	WDGPCBOX-6
30	90	40	120	WDGP220-2	16.1 x 10.2 x 8.2	29.32	WDGPCBOX-6
460 Volt, Three-Phase In / 460 Volt, Three-Phase Out							
0.5	1.8	—	—	WDGP004-4	5 x 2.8 x 5.1	1.68	WDGPCBOX-1
1	3.4	—	—	WDGP008-4	5 x 2.8 x 5.1	1.68	WDGPCBOX-1
2	4.8	—	—	WDGP015-4	5 x 3.9 x 5.1	2.47	WDGPCBOX-2
3	7.2	—	—	WDGP022-4	5 x 5.5 x 6.1	4.17	WDGPCBOX-3
5	9.2	—	—	WDGP037-4	5 x 5.5 x 6.1	4.17	WDGPCBOX-3
7.5	12	10	15	WDGP055-4	8.7 x 7 x 6.7	8.07	WDGPCBOX-4
10	16	15	22	WDGP075-4	8.7 x 7 x 6.7	8.07	WDGPCBOX-4
15	23	20	29	WDGP110-4	12.6 x 9.3 x 7.5	19.84	WDGPCBOX-5
20	32	25	37	WDGP150-4	12.6 x 9.3 x 7.5	19.84	WDGPCBOX-5
25	38	30	43	WDGP185-4	16.1 x 10.2 x 8.2	22.05	WDGPCBOX-6
30	45	40	57	WDGP220-4	16.1 x 10.2 x 8.2	22.05	WDGPCBOX-6

¹ Given weights and dimensions are approximate

Additional Product Notes: All WDGP 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.

© Copyright 2022 WorldWide Electric Corporation

VFD-WDGP-v02-01-2023