



WorldDrive 4X

NEMA 4X Variable Frequency Drives

Built to provide ultimate control of your motor applications, the WorldDrive 4X Variable Frequency Drive (VFD) delivers superior performance in demanding conditions.



- Ultimate Control - All operational parameters can be configured using the intuitive, built-in keypad, and the current status is shown clearly on the display. The unit has a built-in MODBUS RTU and comes standard with V/F, Slip Compensation, Sensorless Vector Control modes, Safe Torque Off and optional Ethernet IP communications.
- Power For Your Applications - We offer a full range of units, including 230 Vac ½ - 10 hp in single-phase, 230 Vac 1 - 20 hp in three-phase, or 480 Vac ½ - 30 hp in three-phase input.
- Built for Demanding Environments - Electronics, terminals, and power components are protected by an IP66-rated NEMA 4X polycarbonate enclosure. The WorldDrive 4X is UL, cUL Listed, and CE Certified.
- Secured Operation - All WD4X units now include a lockable disconnect for lock out tag out procedures.



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 sec, CT



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, sensorless vector control modes, and Safe Torque Off.
- 200-230 V, Single-phase, ½ - 10 hp
- 200-230 V, Three-phase, ½ - 20 hp
- 380-480 V, Three-phase, ½ - 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 4X / IP66
- Conformal Coated printed circuit boards
- Built-in Modbus-RTU
- Intuitive, on-board keypad featuring a 7-segment display, 8 independent membrane keys, and 4 status/ pilot lights.
- UL, cUL listed, CE certifie
- Optional Ethernet IP communications

The WorldDrive (WD) Series

For more details on the WorldDrive Series of Variable Frequency Drives, including the WorldDrive General Purpose (WDGP) and WorldDrive Flex Control (WDFC) and our range of Enclosed Drive Packages, visit our website.



Model Number Selection

WorldDrive 4X part numbers contain the product family, motor rating code, and input voltage.

Sample Model Number: WD4X04-02



	UL Three-Phase Ratings		UL Single-Phase Ratings			Built-in EMC Filter	Built-in DC Reactor	Model Number	Dimensions ¹ H x W x D (in)	Weight ¹ (lbs)
	Heavy Duty (CT) 150% / 60 sec		Heavy Duty (CT) Single-Phase Input		Heavy Duty (CT) 3-Phase Output					
	hp	Amps	hp	Amps	Amps					
240V	0.5	2.5	---	2.2	1.5	No	No	WD4X004-2	10.1 x 7.1 x 6.9	7.9
	1	5	0.5	4.9	2.8			WD4X008-2	10.1 x 7.1 x 6.9	7.9
	2	8	1	8.4	4.6			WD4X015-2	10.2 x 8.7 x 7.9	11.5
	3	11	1.5	11.8	6.1			WD4X022-2	10.2 x 8.7 x 7.9	11.7
	5	16	2	17.5	8.8			WD4X037-2	10.2 x 8.7 x 7.9	12.3
	7.5	24	3	25.8	13			WD4X055-2	12.9 x 9.8 x 8.9	19.8
	10	32	5	34.9	18			WD4X075-2	12.9 x 9.8 x 8.9	19.8
	15	46	7.5	50.8	26			WD4X110-2	15.7 x 10.2 x 9.7	21.2
	20	60	10	66.7	33			WD4X150-2	18.1 x 11.8 x 9.8	26.7
480V	0.5	1.3	---	1.1	0.8	No	No	WD4X004-4	10.1 x 7.1 x 6.9	8.2
	1	2.5	0.5	2.4	1.5			WD4X008-4	10.1 x 7.1 x 6.9	8.2
	2	4	0.75	4.2	2.3			WD4X015-4	10.2 x 8.7 x 7.9	11.7
	3	5.5	1	5.9	3.1			WD4X022-4	10.2 x 8.7 x 7.9	12.1
	5	8	2	8.7	4.8			WD4X037-4	10.2 x 8.7 x 7.9	12.3
	7.5	12	3	12.9	7.1			WD4X055-4	12.9 x 9.8 x 8.9	19.4
	10	16	5	17.5	9.5			WD4X075-4	12.9 x 9.8 x 8.9	19.4
	15	24	7.5	26.5	15			WD4X110-4	15.7 x 10.2 x 9.7	21.2
	20	30	10	33.4	18			WD4X150-4	15.7 x 10.2 x 9.7	21.6
	25	39	10	43.6	23			WD4X185-4	18.1 x 11.8 x 9.8	27.3
	30	45	15	50.7	27			WD4X220-4	18.1 x 11.8 x 9.8	27.3

¹ Given weights and dimensions are approximate



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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