



WorldDrive 4X

NEMA 4X Variable Frequency Drives

Built to withstand the most demanding conditions nature can throw its way, the WorldDrive 4X variable frequency drive comes standard with Volts to frequency (V/f), slip compensation and sensorless vector control, all in an IP66 / NEMA 4X enclosure. Features include ratings from 0.5 HP to 30 HP and an intuitive on-board keypad interface that allows for fast and easy parameterization. The WorldDrive 4X is UL, cUL Listed and CE Certified.

Specifications

- Capacity: 0.5 -30 HP, 200-240V AC, 380-480V AC
- Output Frequency: 0-400 Hz, Sensorless: 0-300 Hz
- Carrier Frequency: 1-15k Hz
- Starting Current: 150% overload for 60 sec, CT

In-Stock and Ready to Ship

We aim to make our customers more competitive by stocking the products they need and responding to their requirements with a shared sense of urgency. With \$30 million of ready-to-ship inventory at six regional US warehouses, we're ready to assist you!

For more details, visit wwec.co/WD4X

Product Features

- Volts to frequency (V/f), slip compensation, and sensorless vector control
- 200-230V, Single-phase, 0.5-2 HP
- 200-230V, Three-phase, 1-30 HP
- 380-480V, Three-phase, 1-30 HP
- Input voltage range: 200-230V Single / Three Phase (-15%, +10%), 380-480V 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 certified

For more details, including full specifications and compliance, visit wwec.co/WD4X

Model Number Selection

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

WD4X	004	-	2
Product Family	Rating Code		Input Voltage (2:240 4:480)

The WorldDrive Series

WorldWide Electric's WorldDrive Series of variable frequency drives also includes the WorldDrive General Purpose (WDGP) and WorldDrive Flex Control (WDFC) drives. Enclosed drive panels are also available from WorldWide Electric.



WorldDrive Flex Control



WorldDrive General Purpose

	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	10.2 x 8.7 x 7.9	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

WMC4XD052020



WorldWide Electric Corporation is a leading manufacturer of electric motors, motor controls, and gear reducers as well as the exclusive master distributor of Hyundai Electric's low-voltage motors and drives. Offering fast, often same-day, shipping from six 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.