



WorldDrive FC

Flex Control Variable Frequency Drives

The flexibility to do more. The WorldDrive Flex Control (WDFC) variable frequency drive offers three control modes: Volts to frequency (V/f), slip compensation, and sensorless vector control. Features include 11 available frame sizes (0.5 HP - 800 HP) and industry-leading on-board feature sets. The WDFC is suitable for a variety of applications from conveyors to pumps and almost everything in between. The WorldDrive FC is UL Listed, cUL Listed and CE Certified.

Specifications

- Capacity: 0.5 - 800 HP, 200-240V AC, 380-480V AC
- Output Frequency: 0-400 Hz, Sensorless: 0-120 Hz
- Carrier Frequency: 1-15 Hz
- Starting Current:
150% overload for 60 seconds, CT
120% overload for 60 seconds, VT

In-Stock and Ready to Ship

We make our customers more competitive by stocking the products they need and responding to their requirements with a shared sense of urgency. With \$50 million of ready-to-ship inventory at six regional US warehouses, we're ready to assist you!

For more details, visit wwec.co/WDFC

Product Features

- » V/F, Sensorless Vector Control, Slip Compensation
- » 150% overload for 60 sec, CT
- » 120% overload for 60 sec, VT
- » 240V, Single-phase, 0.5-10HP
- » 240V, Three-phase, 1-25 HP VT / 0.5-20 HP CT
- » 480V, Three-phase, 1-800 HP VT / 0.5-650 HP CT
- » Input voltage range: 200-240V Single / Three Phase (-15%, +10%)
- » Input voltage range: 380-480V Three Phase (-15%, +10%)
- » Output Frequency: 0-400Hz; Sensorless: 0-120Hz
- » Carrier Frequency: Normal Duty: 1-15kHz
- » Protection degree: NEMA 1 / IP20
- » Conformal Coated printed circuit boards

- » Built-in Modbus-RTU
- » Built-in PID loop control
- » Real-time event clock
- » Higher ratings available for single-phase input
- » Multi-motor control and multi-master control
- » Available accessories: Flange mount kit, NEMA 1 conduit connection box, remote cable with keypad, NEMA 4X keypad mount
- » UL, cUL, CE Certified

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

230 Volt												
UL Three Phase				UL Single Phase Variable Torque Normal Duty			Additional Data		Model	List Price	Dimensions H x W x D (in)	Approx. Weight (lbs)
Constant Torque 150% Overload		Variable Torque 120% Overload		Single Phase Input		Three Phase Output	Built-in EMC Filter	Built-in DC Reactor				
HP	Amps	HP	Amps	HP	Amps	Amps						
0.5	2.5	1	5	0.5	4.9	2.9	NO	NO	WDFC0008-2	\$929.00	9.1 x 6.3 x 7.1	8
1	5.0	2	8	1	8.4	4.4			WDFC0015-2	\$1,094.00	9.1 x 6.3 x 7.1	8
2	8.0	3	12	1.5	12.9	6.4			WDFC0022-2	\$1,339.00	9.1 x 6.3 x 7.1	8
3	11.0	5	16	2	17.5	8.4			WDFC0037-2	\$1,407.00	9.1 x 6.3 x 7.1	8
5	17.0	7.5	22	3	23.7	11			WDFC0055-2	\$1,960.00	9.1 x 6.3 x 7.1	8
7.5	24.0	10	30	5	32.7	16			WDFC0075-2	\$2,198.00	9.1 x 6.3 x 7.1	8
10	32.0	15	42	5	46.4	23			WDFC0110-2	\$2,864.00	9.1 x 6.3 x 7.1	8
15	46.0	20	56	7.5	62.3	30			WDFC0150-2	\$3,442.00	11.4 x 7.1 x 8.1	11
20	60.0	25	69	10	77.2	37			WDFC0185-2	\$4,194.00	13.8 x 8.7 x 8.8	16
460 Volt												
0.5	1.3	1	2.5	0.5	2.4	1.6	YES	NO	WDFC0008-4	\$1,015.00	9.1 x 6.3 x 7.1	8
1	2.5	2	4	1	4.2	2.4			WDFC0015-4	\$1,086.00	9.1 x 6.3 x 7.1	8
2	4.0	3	6	1.5	6.5	3.5			WDFC0022-4	\$1,200.00	9.1 x 6.3 x 7.1	8
3	5.5	5	8	2	8.7	4.6			WDFC0037-4	\$1,283.00	9.1 x 6.3 x 7.1	8
5	8.0	7.5	12	3	12.2	6.8			WDFC0055-4	\$1,563.00	9.1 x 6.3 x 7.1	8
7.5	12.0	10	16	5	17.5	9.2			WDFC0075-4	\$2,130.00	9.1 x 6.3 x 7.1	8
10	15.0	15	24	7.5	26.5	14			WDFC0110-4	\$2,455.00	9.1 x 6.3 x 7.1	8
15	22.0	20	30	10	33.4	17			WDFC0150-4	\$3,149.00	11.4 x 7.1 x 8.1	11
20	28.0	25	38	10	42.5	22			WDFC0185-4	\$4,063.00	11.4 x 7.1 x 8.1	11
25	35.0	30	45	15	50.7	26			WDFC0220-4	\$4,627.00	13.8 x 8.7 x 8.8	17
30	41.0	40	61	20	69.1	36	WDFC0300-4	\$5,569.00	13.8 x 8.7 x 8.8	17		
40	55.0	50	75	25	69.3	39	WDFC0370-4	\$7,332.00	17.7 x 10.8 x 11.2	58		
50	67.0	60	91	30	84.6	47	WDFC0450-4	\$8,646.00	20.1 x 12.8 x 11.2	95		
60	81.0	75	107	40	100.1	55	WDFC0550-4	\$9,322.00	20.1 x 12.8 x 11.2	95		
75	106.0	100	142	50	133.6	73	WDFC0750-4	\$11,028.00	21.7 x 12.8 x 12.2	95		
100	136.0	125	169	60	160.0	86	WDFC0900-4	\$13,387.00	21.7 x 12.8 x 12.2	95		
125	169.0	150*	223	60	215.1	86	WDFC1100-4	\$17,468.00	27.8 x 11.8 x 15.2	123		
150	195.0	200*	264	75	254.6	101	WDFC1320-4	\$20,909.00	27.8 x 11.8 x 15.2	123		
200	255.0	250*	325	100	315.3	137	WDFC1600-4	\$23,403.00	27.8 x 15.0 x 15.6	165		
250	303.0	300*	370	125	358.9	157	WDFC1850-4	\$42,858.00	27.8 x 15.0 x 15.6	165		
250	345.0	350*	432	150	419.1	181	WDFC2200-4	\$45,196.00	36.3 x 17.3 x 17.3	265		
300	375.0	400*	481	150	469.3	195	WDFC2500-4	\$58,177.00	36.3 x 17.3 x 17.3	265		
400	478.0	500*	613	150	598.1	218	WDFC3150-4	\$62,892.00	39.4 x 23.6 x 19.7	409		
450	541.0	550*	683	200	666.4	245	WDFC3550-4	\$69,862.00	39.4 x 23.6 x 19.7	409		
500	591.0	650*	770	250	751.3	308	WDFC4000-4	\$81,292.00	39.4 x 23.6 x 19.7	409		
650	740.0	800*	962	350	938.6	414	WDFC5000-4	\$93,033.00	41.5 x 30.6 x 19.7	585		

*Variable Torque: 110% Overload
All WDFC drives can be used for single-phase input / three-phase output. Consult factory to size appropriately.
Given weight and dimensions are approximate

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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.