



## 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 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/WDFC](http://wwec.co/WDFC)

## Product Features

- Control Options: Volts to frequency (V/f), slip compensation, and sensorless vector control
- On-board keypad
- Real-time event clock
- Built-in PID loop control, built-in Modbus-RTU
- Higher ratings available for single-phase input
- Multi-motor control and multi-master control
- Conformal coated printed circuit boards
- NEMA 1 / IP20 rating
- UL Listed, cUL Listed, CE Certified
- Available accessories: Flange mount kit, conduit box, remote cable with keypad, NEMA 4X keypad mount

For more details, including full specifications and compliance, visit [wwec.co/WDFC](http://wwec.co/WDFC)

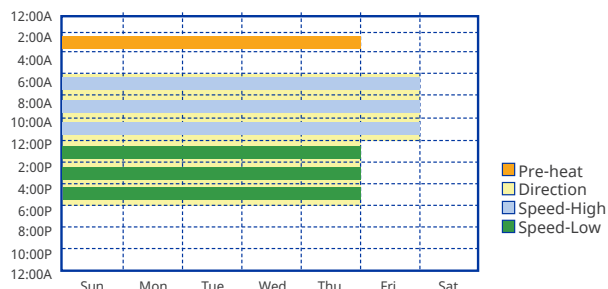
## Model Number Selection

WDFC model numbers contain the product family, motor rating, and input voltage. **Sample Model Number: WDFC0008-2.**

<b>WDFC</b>	<b>0008</b>	-	<b>2</b>
Product Family	Rating Code		Input Voltage (2: 240, 4: 480)

## Feature Example

The embedded Real-Time Clock allows the WDFC to execute selected functions at specified time intervals.



	UL Three-Phase Ratings		UL Three-Phase Ratings		UL Single-Phase Ratings			Built-in EMC Filter	Built-in DC Reactor	Model Number	Dimensions <sup>1</sup> H x W x D (in)	Weight <sup>1</sup> (lbs)	Nema 1 Conduit Connection Box (Optional)
	Normal Duty (VT) 120% / 60 sec 110% / 60 sec (>150HP)		Heavy Duty (CT) 150% / 60 sec		Normal Duty (VT) Single-Phase Input		Normal Duty (VT) 3-Phase Output						
	HP	Amps	HP	Amps	HP	Amps	Amps						
<b>WDFC 230V</b>	1	5	0.5	2.5	0.5	4.9	2.9	No	No	WDFC0008-2	9.1 x 6.3 x 7.1	7.5	WDFCCBOX-1
	2	8	1	5	1	8.4	4.4			WDFC0015-2	9.1 x 6.3 x 7.1	7.5	WDFCCBOX-1
	3	12	2	8	1.5	12.9	6.4			WDFC0022-2	9.1 x 6.3 x 7.1	7.5	WDFCCBOX-1
	5	16	3	11	2	17.5	8.4			WDFC0037-2	9.1 x 6.3 x 7.1	7.5	WDFCCBOX-1
	7.5	22	5	17	3	23.7	11			WDFC0055-2	9.1 x 6.3 x 7.1	7.5	WDFCCBOX-1
	10	30	7.5	24	5	32.7	16			WDFC0075-2	9.1 x 6.3 x 7.1	7.5	WDFCCBOX-1
	15	42	10	32	5	46.4	23			WDFC0110-2	9.1 x 6.3 x 7.1	7.5	WDFCCBOX-1
	20	56	15	46	7.5	62.3	30			WDFC0150-2	11.4 x 7.1 x 8.1	10.1	WDFCCBOX-2
	25	69	20	60	10	77.2	37			WDFC0185-2	13.8 x 8.7 x 8.8	15.7	WDFCCBOX-2
	30	84	25	75	15	93.8	45			WDFC0220-2	13.8 x 8.7 x 8.8	16.5	WDFCCBOX-3
<b>WDFC 460V</b>	1	2.5	0.5	1.3	0.5	2.4	1.6	Yes	No	WDFC0008-4	9.1 x 6.3 x 7.1	7.5	WDFCCBOX-1
	2	4	1	2.5	1	4.2	2.4			WDFC0015-4	9.1 x 6.3 x 7.1	7.5	WDFCCBOX-1
	3	6	2	4	1.5	6.5	3.5			WDFC0022-4	9.1 x 6.3 x 7.1	7.5	WDFCCBOX-1
	5	8	3	5.5	2	8.7	4.6			WDFC0037-4	9.1 x 6.3 x 7.1	7.5	WDFCCBOX-1
	7.5	12	5	8	3	12.2	6.8			WDFC0055-4	9.1 x 6.3 x 7.1	7.5	WDFCCBOX-1
	10	16	7.5	12	5	17.5	9.2			WDFC0075-4	9.1 x 6.3 x 7.1	7.5	WDFCCBOX-1
	15	24	10	15	7.5	26.5	14			WDFC0110-4	9.1 x 6.3 x 7.1	7.5	WDFCCBOX-1
	20	30	15	22	10	33.4	17			WDFC0150-4	11.4 x 7.1 x 8.1	10.1	WDFCCBOX-2
	25	38	20	28	10	42.5	22			WDFC0185-4	11.4 x 7.1 x 8.1	10.6	WDFCCBOX-2
	30	45	25	35	15	50.7	26			WDFC0220-4	13.8 x 8.7 x 8.8	16.5	WDFCCBOX-3
	40	61	30	41	20	69.1	36			WDFC0300-4	13.8 x 8.7 x 8.8	16.5	WDFCCBOX-3
	50	75	40	55	25	84.6	45			WDFC0370-4	17.7 x 10.8 x 11.2	57.3	WDFCCBOX-4
	60	91	50	67	30	100.1	55			WDFC0450-4	20.1 x 12.8 x 11.2	77.2	WDFCCBOX-5
	75	107	60	81	40	122.2	73			WDFC0550-4	20.1 x 12.8 x 11.2	94.8	WDFCCBOX-6
	100	142	75	106	50	153.3	92			WDFC0750-4	21.7 x 12.8 x 12.2	117.3	WDFCCBOX-6
	125	169	100	136	60	184.4	111			WDFC0900-4	21.7 x 12.8 x 12.2	149.8	WDFCCBOX-6
	150	200	125	169	75	225.5	140			WDFC1100-4	27.8 x 11.8 x 15.2	199.8	—
	200	264	150	225	100	300.6	188			WDFC1320-4	27.8 x 11.8 x 15.2	266.7	—
250	325	200	285	125	393.8	246	WDFC1600-4	27.8 x 15.0 x 15.6	349.7	—			
300	370	250	330	150	454.9	294	WDFC1850-4	27.8 x 15.0 x 15.6	432.7	—			
350	432	250	345	150	419.1	181	WDFC2200-4	36.3 x 17.3 x 17.3	264.6	—			
400	481	300	375	150	469.3	195	WDFC2500-4	36.3 x 17.3 x 17.3	264.6	—			
500	613	400	478	150	598.1	218	WDFC3150-4	39.4 x 23.6 x 19.7	409.0	—			
550	683	450	541	200	666.4	245	WDFC3550-4	39.4 x 23.6 x 19.7	409.0	—			
650	770	500	591	250	751.3	308	WDFC4000-4	39.4 x 23.6 x 19.7	409.0	—			
800	962	650	740	350	938.6	414	WDFC5000-4	41.5 x 30.6 x 19.7	584.2	—			

<sup>1</sup> Given weight and dimensions are approximate

WMFCFD102019



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.