



Variable Frequency Drives



THE SMARTVFD HVAC²

Loaded with Smart Features to Reduce Energy Use

SmartVFD HVAC2 Spins Big Energy Savings

When Honeywell's full-featured SmartVFD HVAC is more than your customers need, turn to the new SmartVFD HVAC2. It offers a range of essential features to give you a cost-efficient way to deliver the energy savings that building managers desire.

In short, the SmartVFD HVAC2 is a smart value.



APPLICATION FRIENDLY

With the SmartVFD HVAC2, you aren't limited to a few applications. Its small footprint gives you the flexibility to meet a range of mounting situations. Plus, the motor pre-heat function helps ensure performance in cold climates, giving you more sales opportunities.

- Sizes available up to 25hp, helping you meet a wide range of applications
- Same size as SmartVFD Compact for models up to 7.5hp, allowing maximum application flexibility
- Models available with and without a Class 2 EMC Filter, so you can handle applications with electrical interference



EASY INSTALLATION AND SETUP

Not only does the small footprint give you mounting flexibility, but it's also a real "knuckle saver" when working in tight spaces. Configuration is easy, too. The unit uses the same keypad interface as the SmartVFD HVAC, with intuitive navigation and simple commissioning. Setup is as easy for you as saving energy will be for your customers.

IDEAL FOR RETROFIT APPLICATIONS

With the SmartVFD HVAC², you don't have to wait for new construction to help customers save energy. The application flexibility, ease of use, and simple installation make it an excellent choice for most retrofit projects. And the lower price shortens the payback period — a great selling point for customers seeking value.

GROW YOUR BUSINESS

With SmartVFD HVAC² added to SmartVFD HVAC and SmartVFD Compact, you can meet the needs of every customer, application, and budget. Plus, the SmartVFD HVAC² helps reduce service calls with an Automatic Restart feature that restarts the unit if it goes into a fault condition. Add in Honeywell's world-renowned quality, and you can count on the SmartVFD HVAC² to serve your business — and your customers — for years to come.



SmartVFD HVAC2 Models

Nominal Voltage	Nom. HP (Nom. Current)	EMC Filter	Frame Size	Part Number		
105-120V 1-phase in 230V 3-phase out	0.33 HP (1.7 A)	EMC4	M12	HVFD2D1A0003		
	0.50 HP (2.4 A)		M12	HVFD2D1A0005		
	0.75 HP (2.8 A)		M12	HVFD2D1A0007		
	1 HP (3.7 A)		M12	HVFD2D1A0010		
	1.5 HP (4.8 A)		M13	HVFD2D1A0015		
208-240V 1-phase in 3-phase out	0.33 HP (1.7 A)	EMC2	M11	HVFD2D1B0003E2		
	0.50 HP (2.4 A)		M11	HVFD2D1B0005E2		
	0.75 HP (2.8 A)		M11	HVFD2D1B0007E2		
	1 HP (3.7 A)		M12	HVFD2D1B0010E2		
	1.5 HP (4.8 A)		M12	HVFD2D1B0015E2		
	2 HP (7 A)		M12	HVFD2D1B0020E2		
208-240V 3-phase in 3-phase out	0.33 HP (1.7 A)	EMC4	M11	HVFD2D3B0003		
	0.50 HP (2.4 A)		M11	HVFD2D3B0005		
	0.75 HP (2.8 A)		M11	HVFD2D3B0007		
	1 HP (3.7 A)		M12	HVFD2D3B0010		
	1.5 HP (4.8 A)		M12	HVFD2D3B0015		
	2 HP (7 A)		M12	HVFD2D3B0020		
	3 HP (11 A)		M13	HVFD2D3B0030		
	4 HP (12.5 A)		M14	HVFD2D3B0040		
	5 HP (17.5 A)		M14	HVFD2D3B0050		
	7.5 HP (25 A)		M14	HVFD2D3B0075		
	10 HP (31 A)		M15	HVFD2D3B0100		
	15 HP (38A)		M15	HVFD2D3B0150		
	380-480V 3-phase in 3-phase out		0.50 HP (1.3 A)	EMC4	M11	HVFD2D3C0005
			0.75 HP (1.9 A)		M11	HVFD2D3C0007
			1 HP (2.4A)		M11	HVFD2D3C0010
1.5 HP (3.3 A)		M12	HVFD2D3C0015			
2 HP (4.3 A)		M12	HVFD2D3C0020			
3 HP (5.6 A)		M12	HVFD2D3C0030			
4 HP (7.6 A)		M13	HVFD2D3C0040			
5 HP (9 A)		M13	HVFD2D3C0050			
7.5 HP (12 A)		M13	HVFD2D3C0075			
10 HP (16 A)		M14	HVFD2D3C0100			
15 HP (23 A)		M14	HVFD2D3C0150			
20 HP (31 A)		M15	HVFD2D3C0200			
25 HP (38 A)		M15	HVFD2D3C0250			
380-480V 3-phase in 3-phase out		0.50 HP (1.3 A)	EMC2		M11	HVFD2D3C0005E2
		0.75 HP (1.9 A)			M11	HVFD2D3C0007E2
	1 HP (2.4A)	M11		HVFD2D3C0010E2		
	1.5 HP (3.3 A)	M12		HVFD2D3C0015E2		
	2 HP (4.3 A)	M12		HVFD2D3C0020E2		
	3 HP (5.6 A)	M12		HVFD2D3C0030E2		
	4 HP (7.6 A)	M13		HVFD2D3C0040E2		
	5 HP (9 A)	M13		HVFD2D3C0050E2		
	7.5 HP (12 A)	M13		HVFD2D3C0075E2		
	10 HP (16 A)	M14		HVFD2D3C0100E2		
	15 HP (23 A)	M14		HVFD2D3C0150E2		
	20 HP (31 A)	M15		HVFD2D3C0200E2		
	25 HP (38 A)	M15		HVFD2D3C0250E2		
	520-600V 3-phase in 3-phase out	1 HP (1.7A)		EMC4	M13	HVFD2D3F0010
		2 HP (2.7A)			M13	HVFD2D3F0020
3 HP (3.9A)		M13	HVFD2D3F0030			
5 HP (6.1A)		M13	HVFD2D3F0050			
7.5 HP (9A)		M13	HVFD2D3F0075			

SmartVFD HVAC2 Accessories

Accessories	Description
HVFD2DOPTFR123	Option board mounting kit HVAC2 MI1-MI3
HVFD2DOPTFR45	Option board mounting kit HVAC2 MI4-MI5
HVFDSDOPT6DI/U	Option board 6 x DI/DO, each I/O can be individually configured
HVFDSDOPT2RO1T/U	Option board 2 x Relay output + Thermistor
HVFDSDOPT1AI2AO/U	Option board 1 x AI, 2 x AO (isolated)
HVFDSDOPT3RO/U	Option board 3 x Relay output
HVFDSDOPT1RO5DI/U	Option board 1 x RO, 5 x DI (42-240 VAC)
HVFDOPPTMP	Option board Temperature measurement (PT100, PT1000, NI1000, KTY84-130, KTY84-150, KTY84-131)
50021579-001/U	PT1000 Sensor probe (or T775-SENS-WR water resistant or T775-SENS-WT water tight)
HVFDNEMA1FR1	Nema 1 Kit MI1
HVFDNEMA1FR2	Nema 1 Kit MI2
HVFDNEMA1FR3	Nema 1 Kit MI3
HVFDNEMA1FR4	Nema 1 Kit MI4
HVFDNEMA1FR5	Nema 1 Kit MI5
HVFD2DMOUNTKIT	SmartVFD HVAC2 Door Mounting Kit
HVFD2CABLE/U	SmartVFD Commissioning Cable and USB Adaptor
HVFD2CMCA/U	Compact Commissioning Device
HVFD2CMCAKIT/U	Compact Commissioning Kit (Cable, USB Adaptor, and Device combined)
HVFD2DINSTALLMI4	HVAC2 Replacement Install Kit frame 4
HVFD2DINSTALLMI5	HVAC2 Replacement Install Kit frame 5
HVFD2DFANMI4	HVAC2 Replacement Fan HVFD2D frame 4
HVFD2DFANMI5	HVAC2 Replacement Fan HVFD2D frame 5

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