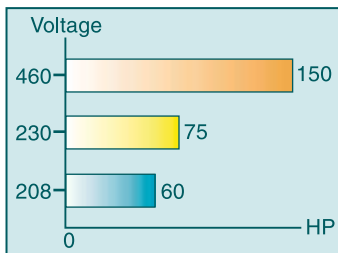


FPC5010

Compact VFD Bypass Package

- Reduced Energy Consumption
- Low Audible Noise
- 4th Generation IGBT's with Soft Switching Technology
- Precise Process Control for Pumps, Air Handlers, Fans and Cooling Towers
- Low Harmonic Distortion with DC Link Choke
- Decreased Wear and Maintenance on mechanical equipment
- Rapid Payback
- Simple Installation
- Nema 1 Construction



Compact Footprint Saves Wallpace!

208 V, 230 V & 460 V Ratings / Dimensions

208 V HP	Model Number	Box Size	Dimensions H" x W" x D" (In Inches)	230 V HP	Model Number	Box Size	Dimensions H" x W" x D" (In Inches)	460 V HP	Model Number	Box Size	Dimensions H" x W" x D" (In Inches)
0.5	FN8P50	1	39 x 10.3 x 11.2	0.5	FN2P50	1	39 x 10.3 x 11.2	0.5	FN4P50	1	39 x 10.3 x 11.2
1	FN8001			1	FN2001			1	FN4001		
2	FN8002			2	FN2002			2	FN4002		
3	FN8003			3	FN2003			3	FN4003		
5	FN8005			5	FN2005			5	FN4005		
7.5	FN87P5	2	54 x 11.6 x 14.8	7.5	FN27P5	2	54 x 11.6 x 14.8	7.5	FN47P5	2	54 x 11.6 x 14.8
10	FN8010			10	FN2010			10	FN4010		
15	FN8015			15	FN2015			15	FN4015		
20	FN8020			20	FN2020			20	FN4020		
25	FN8025			25	FN2025			25	FN4025		
30	FN8030	3	72 x 18.3 x 12.2	30	FN2030	3	72 x 18.3 x 12.2	30	FN4030	3	72 x 18.3 x 12.2
40	FN8040			40	FN2040			40	FN4040		
50	FN8050			50	FN2050			50	FN4050		
60	FN8060	4	77.5 x 30.8 x 17.1	60	FN2060	4	77.5 x 30.8 x 17.1	60	FN4060	4	77.5 x 30.8 x 17.1
				75	FN2075			75	FN4075		
				100	FN4100			100	FN4100		
				125	FN4125			125	FN4125		
				150	FN4150	150	FN4150	150	FN4150		

The FPC5010 is a standard Safronics product designed specifically for HVAC requirements and is UL508 approved. The FPC5010 includes a GP10 Variable torque rated Inverter, combined with a 3 contactor bypass arrangement (class 20 Overload) and DC Link chokes for low harmonic distortion. Standard features include user friendly keypad, NEMA 1 enclosure, Drive/Off/Bypass selector switch, Local/Remote selection via keypad, Power On, Motor Fault, and Bypass run indicator lights, 0-10Vdc or 4-20mA speed reference, isolated form "C" Fault Relay, elapsed time meter, KW Output Signal (0-10Vdc) RS-485 serial communications port.

The FPC5010 allows for bypassing the inverter for full voltage starting of air handling equipment, pumps or cooling tower fans during routine maintenance shut downs without disrupting operation.

The FPC5010 also has built-in PID capability for smaller processes that do not incorporate Energy Management Systems or PLC's. One simply has to add a transducer and let the FPC5010 maintain the flow or pressure. The FPC5010 utilizes the latest in technology with built-in energy saving software that automatically adjusts the output voltage during periods of light loading.

Pre-engineered options are available.

Options

Options	
Disconnects	Input circuit breaker, fused, and non-fused all door interlocked
Serial Communications	Modbus RS-485/422 Metasys N2 compatible for easy connection to Johnson Controls energy management system Lon works Siemens FLN (pending)
Protection	Input/Output Line Reactors Input EMI/RFI Filters Isolation Transformers
Miscellaneous	3-15 PSI pneumatic input Hand/Off/Automatic selector switch with Speed Potentiometer 3 Contactor Bypass

