

Syntron® Heavy-Duty Electromagnetic Feeder Controls

Provide for adjustable and consistent material flow

EVF Series Controls are optimized for efficient operation and allow for a full range of material flow with a 10:1 turn-down ratio on electromagnetic feeders. The newly designed EVF line of feeder controls operate with single- or three-phase input providing half-wave (RC) output and are configured with custom firmware thus allowing for reduced power consumption.

EVF Series Control



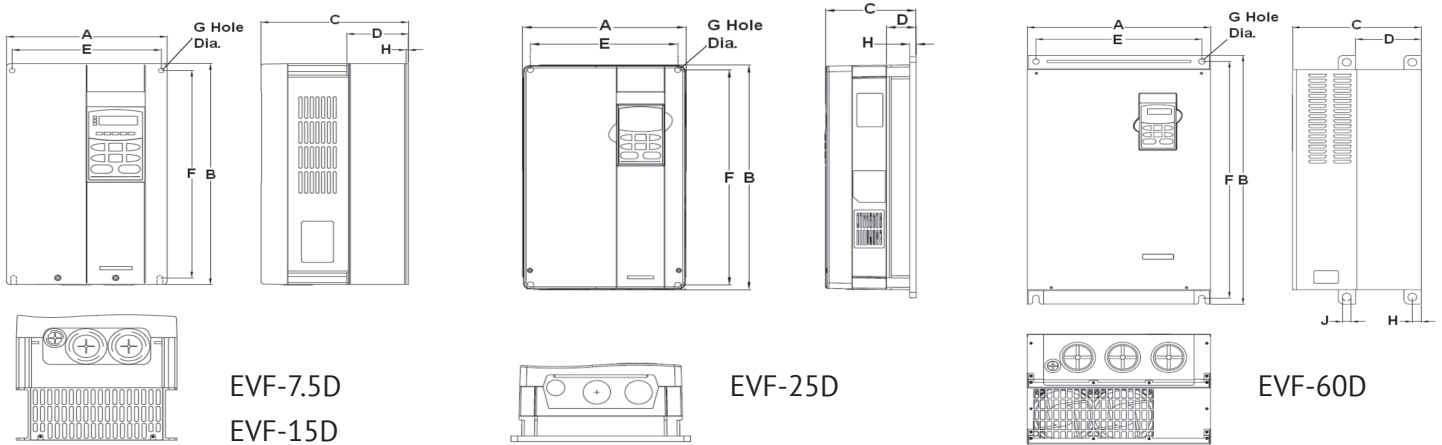
Additional features of the new EVF product offering include precise voltage regulation, expanded DC control signals and PC communication, and improved diagnostic capability. Please reference the chart below for model offerings or call one of our applications specialists at 1-800-356-4898 for additional information.

Control Model	Input Voltage	Hz		Amps	Enclosure	Intermittent Contacts	DC Signal Input	Manual Control	Output RC	Voltage Regulation	Soft Start	Variable Frequency	Certifications		
		50	60										UL	CUL	CE
EVF-7.5D	230	●	●	20	Nema 1	●	●	Keypad	●	●	●	●	●	●	●
	380-460	●	●	10											
	575-600		●	10											
EVF-15D	230	●	●	40	Nema 1	●	●	Keypad	●	●	●	●	●	●	●
	380-460	●	●	21											
	575-600		●	15											
EVF-25D	230	●	●	60	Nema 1	●	●	Keypad	●	●	●	●	●	●	●
	380-460	●	●	34											
	575-600		●	25											
EVF-60D	380-460	●	●	75	Nema 1	●	●	Keypad	●	●	●	●	●	●	●
	575-600		●	64											

● Standard in the model listed

Electromagnetic Feeder Control Dimensions

Model	Feeder Type	Overall Dims (in.)				Mtg. Dims (in.)					Weight (lbs)	Weight (kg)
		A	B	C	D	E	F	G	H	J		
EVF-7.5D	FH-22-HP, FH-24-HP	7.88	12.72	7.22	3.01	7.31	11.93	0.28	0.12	-	18	8
EVF-15D	F-380-HP	7.88	12.72	7.22	3.01	7.31	11.93	0.28	0.12	-	29	13
EVF-25D	F-480-HP, F-660	9.84	15.90	8.08	4.33	8.90	15.12	0.39	0.39	-	29	13
EVF-60D	F-88	14.57	23.19	10.24	5.22	13.19	22.05	0.51	0.72	0.71	79	35



Return on investment!

Utilizing PWM technology with custom firmware and an additional rectifier decreases the amount of amperage being drawn off of the power line by approximately 85%. This design reduces the KW consumption of an electromagnetic feeder by more than half. Power grid installation costs are significantly reduced with lower current capacity requirements. When compared to traditional means of powering electromagnetic equipment, the EVF design practically eliminates the reactive power losses resulting in a reduction of up to 80% in KVA requirement. "The EVF Controls virtually pay for themselves when installed."

Cutting edge technology

Reduced energy consumption

Savings before startup include:

- Smaller transformers
- Smaller conductors (cables or wires)
- Smaller breakers
- Easier to install in MCC
- Less filtration and line conditioning required for other plant equipment
- Reduces the need for Power Factor Correction Equipment
- Easier to integrate with the latest technology for reduction in controls installation

Savings after startup include:

- Over a 50% reduction in energy consumed
- Better diagnostic capabilities to reduce maintenance time
- 100% voltage regulation for consistent production rates