World Class AC Drives from Fuji Electric

Commercial Solutions


HVAC


Fan


Pump

NEW

General Purpose Micro Inverters
Three-phase 230V: 1/8 to 20 HP
Three-phase 460V: 1/2 to 20 HP
Single -phase 230V: 1/8 to 3 HP
Single-phase 115V: 1/8 to 1 HP

FRENIC-Mini

Variable Torque Inverters for Fans & Pumps
Three-phase 208V: 1 to 125 HP
Three-phase 460V: 1 to 900 HP

FRENIC-Eco

Low Voltage AC Drive for HVAC Applications
Three-phase 208V: 1 to 125 HP
Three-phase 460V: 1 to 1000 HP
Three-phase 575V: 1 to 300 HP
NEMA/ UL Open, Type 1, and Type 12 standard

FRENIC-HVAC

Packaged Drive Solution for Fans & Pumps
Three-phase 208V/230V: 2 to 60 HP
Three-phase 460V: 2 to 200 HP
Non bypass, and 3 contactor bypass configuration

FRENIC-EcoPAK

Packaged Drive for HVAC Applications
Three-phase 208/230 V: 1 to 25 HP
Three-phase 460V: 1 to 50 HP
Three-phase 575V: 1 to 50 HP
NEMA/ UL Type 1, and Type 12 standard

Combination VFD

Quality is our Drive

		FRENIC-Mini	FRENIC-Eco	FRENIC-HVAC
Model Series				
Product Series Code		C2	F1	AR1
HP & Voltage		1/8 - 1HP, 1ph 115V 1/8 - 3HP, 1ph 230V 1/8 - 20HP, 3ph 230V 1/2 - 20HP, 3ph 460V	1 - 125HP, 3ph 208V 1 - 900HP, 3ph 460V	1 - 125HP, 3ph 208V 1 - 1000HP, 3ph 460V 1 - 300HP, 3ph 575V
Overload Capability		HD: 150% - 1min 200% - 0.5sec	120% - 1min	110% - 1min
Control Mode	V/f Control	Standard	Standard	Standard
	V/f Control with Encoder	-	-	-
	Dynamic Torque Vector Control	Standard	-	Standard
	Dynamic Torque Vector Control with Encoder	-	-	-
	Vector Control with Encoder	-	-	-
	PM Motor Control	Standard	-	-
Specifications	Analog Input	2	3	3
	Analog Output	1	2	2
	Digital Input	5	7	9
	Digital Output	2	5	6
	Max. Output Frequency	400Hz	120Hz	120Hz
	Customizable Logic	-	-	-
	Safety Function	-	-	Standard
	EMC Filter	Option - Lead Time	Option - Lead Time	Standard
	Remote Keypad	TP-E1	TP-E1	TP-E1
	Remote Keypad with USB port	TP-E1U	TU-E1U	TU-E1U
	Multi Function Keypad	-	TP-G1-J1	TP-A1 (Standard Equipped)
	Multi Function Keypad with Gasket	-	TP-G1W-J1 (Standard Equipped)	-
Communications	Modbus RTU	Standard	Standard	Standard
	DeviceNet	-	OPC-F1-DEV	OPC-DEV
	Profibus DP	-	OPC-F1-PDP	OPC-PDP2
	Profinet RT	-	-	-
	Profinet IRT	-	-	-
	Ethernet I/P	-	-	OPC-ETH
	Modbus TCP	-	-	-
	BACNet MS/TP	-	-	Standard
	BACNet IP	-	OPC-F1-BAC	-
	LonWorks®	-	OPC-F1-LNW	OPC-LNW
	Metasys® N2	-	Standard	Standard
	APOGEE® FLN (P1)	-	Standard	-
	CANOpen	-	-	OPC-COP
	CC-Link	-	-	OPC-CCL
	T-Link	-	-	-
Environment	Altitude	No derating up to 3000 ft. (1000m) or less		
	EMC Filter	Option - Lead Time	Option - Lead Time	Standard
	Heatsink Through Mounting Option	-	Available	-
	DC Reactor	Option - non stock	~75HP: Option - non stock 100HP~: Supplied with Drive	~60HP: 208V, 125HP 460V/575V Built-in 75HP~: 208V, 150HP 460V/575V Supplied with Drive
	UL Open Type	Standard (IP20)	Standard (IP00/IP20)	Standard (M model)
	NEMA/UL Type1	with option kit	with option kit	Standard (L model)
	NEMA/UL Type12	-	-	Standard (UL model)
	UL / cUL, CE, RoHs	Yes	Yes	Yes

FRENIC-EcoPAK

Power Ratings
•208Vac: 2 – 60HP
•230Vac: 2 – 60HP
•460Vac: 2 – 200HP
Configurations
•3 Contactor Bypass
•Non-Bypass
Enclosure Types
•NEMA/UL Type 1
•NEMA 12 Ventilated
•NEMA/UL Type 3R

Combination VFD

Power Ratings
•208/230 Vac: 1 – 25HP
•460 Vac: 1 – 50HP
•575 Vac: 1 – 50HP
Configurations
•Non-fused disconnect
•Circuit breaker
Enclosure Types
•NEMA/ UL Type 1
•NEMA/ UL Type 12

Fuji Electric 3-YEAR WARRANTY

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Fuji Electric
Innovating Energy Technology