

FRENIC-Mini



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-Multi



High Performance Compact Inverters

- Three-phase 230V: 1/8 to 20 HP
- Three-phase 460V: 1/2 to 20 HP
- Single-phase 230V: 1/8 to 3HP

FRENIC-ECO



Variable Torque Inverters for Fans & Pumps

- Three-phase 208V: 1 to 125 HP
- Three-phase 460V: 1 to 900 HP

FRENIC-Mega



High Performance Multifunctional Inverters

- Three-phase 230V: 1/2 to 150 HP
- Three-phase 460V: 1/2 to 1000 HP

PACKAGE DRIVE



Packaged Drive Solution

- Standard HVAC panel up to 200HP
- Standard 3R Irrigation panel up to 600HP
- Custom Panel solution up to 1000HP
- Flexible option for enclosure and configuration

Quality is our drive

Model Series		FRENIC-Mini	FRENIC-Multi	FRENIC-Eco	FRENIC-MEGA
Product Series Code		C2	E1	F1	G1
HP & Voltage		1/8 - 1HP, 1ph 115V 1/8 - 3HP, 1ph 230V 1/8 - 20HP, 3ph 230V 1/2 - 20HP, 3ph 460V	1/8 - 3HP, 1ph 230V 1/8 - 20HP, 3ph 230V 1/2 - 20HP, 3ph 460V	1 - 125HP, 3ph 208V 1 - 900HP, 3ph 460V	1/2 - 150HP, 3ph 230V 1/2 - 1000HP, 3ph 460V
Rating		Single	Single	Single	Multiple
Overload Capability		HD: 150% - 1min 200% - 0.5sec	HD: 150% - 1min 200% - 0.5sec	120% - 1min	LD: 120% - 1 min HD: 150% - 1 min 200% - 3sec
Motor Control	V/f Control	Standard	Standard	Standard	Standard
	V/f Control with Encoder	-	Option	-	Option
	Dynamic Torque Vector Control	Standard	Standard	-	Standard
	Dynamic Torque Vector Control w/ Encoder	-	-	-	Option
	Vector Control with Encoder	-	-	-	Option
	PM Motor Control	Standard	Option	-	Option
Specifications	Analogue Input	2	2	3	3
	Analogue Output	1	1	2	2
	Digital Input	5	7	7	10
	Digital Output	2	3	4	6
	Max. Output Frequency	400Hz	400Hz	120Hz	500Hz
	Customizable Logic	-	-	-	Yes
	Safety function	-	-	-	Standard
	EMC Filter	Option - non stock	Option - non stock	Option - non stock	Option - non stock
	Remote Keypad	TP-E1	Standard Equipped	-	-
	Remote Keypad (UL Type 4/NEMA 4)	TP-E1W	TP-E1W	-	-
	Remote Keypad with USB port	TP-E1U	TP-E1U	TP-E1U	TP-E1U
	Multi Function Keypad	-	TP-G1-J1	TP-G1-J1	TP-G1-J1
	Multi Function Keypad with Gasket	-	TP-G1W-J1	TP-G1W-J1 (Standard Equipped)	TP-G1W-J1 (Standard Equipped)
	UL/cUL, CE, RoHs standard	Yes			
Communications	Modbus RTU	Standard	Standard	Standard	Standard
	DeviceNet	-	OPC-E1-DEV	OPC-F1-DEV	OPC-G1-DEV
	Profibus DP	-	OPC-E1-PDP	OPC-F1-PDP	OPC-G1-PDP2
	Profinet RT	-	-	-	OPC-PRT2
	Ethernet I/P	-	OPC-E1-ETH	OPC-F1-ETH	OPC-ETH
	Modbus TCP	-			
	BACNet IP	-	-	-	-
	BACNet MS/TP	-	-	OPC-F1-BAC	-
	LonWorks®	-	-	OPC-F1-LNW	-
	Metasys® N2	-	-	Standard	-
	APOGEE® FLN (P1)	-	-	Standard	-
	CANOpen	-	-	-	OPC-G1-COP
	CC-Link	-	OPC-E1-CCL	OPC-F1-CCL	OPC-G1-CCL
T-Link	-	-	-	OPC-G1-TL	
Environment	Din Rail Option	Up to 5HP	Up to 5HP	-	-
	Enclosure type	IP20 (NEMA 1 kit Option)		IP 20/00 (NEMA 1 Kit Option)	
	Ambient Temperature	-10 to 50 deg C (-10 to 40 deg C w/side-by-side mounting or NEMA 1 kit)			
	Ambient Humidity	5 to 95% RH (No Condensation)			
	Altitude	No derating up to 3300 ft. (1000m) or less			
	DC Reactor	Option - non stock	Option - non stock	~ 75HP: Option - non stock 100HP -: Supplied with Drive	



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