

Introduction

Features at a glance

General purpose



	GP100A		GP100	
HP Range	1 - 20	FS 140 - 250	1 - 200	FS 140 - 440
Frame Size	140 - 250		140 - 440	
Enclosure	TEFC		TEFC	
Frame	Die Cast aluminum	8 hole Bolt-on feet	Cast iron	8 hole feet
Efficiency	NEMA Premium® NEMA Premium®+	FS 140 - 250 FS 140 - 250	NEMA Premium® NEMA Premium® +	FS 140 - 250 FS 140 - 440
Power Supply	3 Phase, 60Hz		3 Phase, 60Hz	
Voltage	208-230/460 V 575V	FS 140 - 250 FS 140 - 250	208-230/460 V 230/460V 460V 575V	FS 140 - 250 FS 280 - 360 100 - 200 HP 1 - 200HP
Service Factor	1.15	Sine Wave	1.15	Sine Wave
Electrical Design	NEMA design B		NEMA design B	
Hazardous Classification	NA		NA	
Insulation	Class F	NEMA MG1 Part 31	Class F	NEMA MG1 Part 31
Temperature Rise	Class B @ 1.0SF, Class F @ 1.15SF	Sine Wave	Class B @ 1.0SF, Class F @ 1.15SF	Sine Wave
Conduit Box (Oversized)	Die Cast aluminum	FS 140 - 250	Die Cast aluminum Steel Cast Iron	FS 140 - 250 FS 280 - 400 FS 440
Fan Cover	Plastic	FS 140 - 250	Plastic	FS 140-250
Cooling Fan	Bi-directional - polypropylene		Bi-directional - polypropylene	
Lead Seal Gasket	O-ring	FS 140 - 250	O-ring Neoprene	FS 140 - 250 FS 280 - 440
Rotor	Die Cast Aluminum Die Cast Copper	FS 140 - 250 FS 140 - 250	Die Cast Aluminum Die Cast Copper	FS 140 - 440 FS 140 - 250
Stator Winding	Copper - Random wound		Copper - Random wound	
Shaft	High strength carbon steel	C1045	High strength carbon steel	C1045
Shaft Seal / Slinger	V-ring slinger Meets IP54	(DE Only)	V-ring slinger Meets IP54	(DE Only)
Bearing Housing	Cast aluminum	FS 140 - 250	Cast iron	FS 140 - 440
Bearing Type	Double Shielded	FS 140 - 250	Double Shielded Regreasable inlet and outlet	(FS 440 Only)
Bearing Inner Cap	No		No	
Lubrication	Polyurea	Base Grease	Polyurea	Base Grease
Lube Inlet Fittings	NA		Alemite	FS440 Only
Lube Relief Fittings	NA		Plug	FS440 Only
Vibration	0.15 IPS		0.15 IPS	
Nameplate	Aluminum	engraved	Aluminum	engraved
Condensation Drain	Drain holes - lowest point (2)		Drain holes - lowest point (2)	
Hardware	Rust resistant		Rust resistant	
Lifting Eyebolt	Cast in		Included	Above 75 Lbs
Paint	ALKYED MODIFIED	RAL7030	ALKYED MODIFIED	RAL7030
Warranty	18 Months		18 Months	
Inverter Duty	VT 20:1 CT 4:1 CT 10:1	FS 140 - 250 FS 140 - 250 FS 140 - 250 (Cu)	VT 20:1 CT 4:1 CT 10:1	FS 140 - 440 FS 140 - 440 FS 140 - 250 (Cu)

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