

Introduction

Features at a glance

Definite purpose



SD10 MS



RGZESDI

HP Range	1 - 250	4/8 poles - 1W VT	1 - 300	FS 140 - S440
Frame Size	140 -440		140 - S440	
Enclosure	TEFC		TEFC	
Frame	Cast Iron	8 Hole feet	Cast iron	8 Hole feet
Efficiency	Standard	FS 140 - 440	NA	
Power Supply	3 Phase, 60Hz		3 Phase, 60Hz	
Voltage	460V 575V	FS 140 - 440 FS 140 - 440	460V 575V	FS 140 - S440 FS 140 - S440
Service Factor	1.0	Sine Wave	NA	
Electrical Design	NA		NA	
Hazardous Classification	CL I Gr. C&D, Div. 2	Optional	CL I Gr. C&D, Div. 2	Optional
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	VFD	
Conduit Box (Oversized)	Cast Iron	FS 140 - 440	Cast Iron	FS 140-S440
Fan Cover	Cast Iron	FS 140 - 440	Cast Iron	FS 140 - 440
Cooling Fan	Bi-directional - polypropylene	FS 140 - 440	Bi-directional - polypropylene	FS 140 - S440
Lead Seal Gasket	Neoprene		Neoprene	
Rotor	Die Cast Aluminum	FS 140 - 440	Die Cast Aluminum	FS 140 - S440
Stator Winding	Copper - Random wound	FS 140 - 440	Copper - Random wound NC Protective Devices	FS 140-S440 Included
Shaft	High strength carbon steel	C1045	High strength carbon steel	C1045
Shaft Seal / Slinger	V-ring slinger Meets IP54	(DE & NDE)	Shaft Seal (Meets IP54) V-ring slinger Meets IP54)	FS 140 - 250 (DE) FS 280 - 440 (DE)
Bearing Housing	Cast iron	FS 140 - 440	Cast iron	FS 140 - S440
Bearing Type	Double Shielded Single Shielded Regreasable inlet and outlet	FS 140 - 250 FS 280 - S440	Single Shielded Regreasable inlet and outlet	FS 140 - S440
Bearing Inner Cap	Cast Iron	FS 140 - 440	Cast Iron	FS 140 - S440
Lubrication	Polyurea	Base Grease	Polyurea	Base Grease
Lube Inlet Fittings	Alemite		Alemite	
Lube Relief Fittings	Plug		Plug	
Vibration	0.08 IPS		0.08 IPS	
Nameplate	Stainless steel	engraved	Stainless steel	engraved
Condensation Drain	T-drain - lowest point (2)		T-drain	
Hardware	Rust resistant		Rust resistant	
Lifting Eyebolt	Included	Above 75 lbs	Provisions	FS 140 - 180
Paint	ALKYED MODIFIED	RAL7030	ALKYED MODIFIED	RAL7030
Warranty	36 Months		36 Months	
Inverter Duty	NA		CT 10:1 CT 1000:1	FS 140 - S440 FS 140 - S440

Introduction

Features at a glance

Definite purpose



RGZVESD

RGZVILESD

	FA 140 - 440	FS 140 - 440	FS 180 - 440
HP Range	1 - 250		
Frame Size	140 -440		
Enclosure	TEFC		
Frame	NA		
Efficiency	EPact	FS 140 - 440	FS 180 - 440
Power Supply	3 Phase, 60Hz		
Voltage	230/460V 460V 575V	1 - 20 HP 25 - 250 HP 1 - 250 HP	1 - 20 HP 25 - 250 HP 1 - 250 HP
Service Factor	1.15	Sine Wave	Sine Wave
Electrical Design	NEMA design B		NEMA design B
Hazardous Classification	CL I Gr. C&D, Div. 2	Optional	Optional
Insulation	Class F	NEMA MG1 Part 31	NEMA MG1 Part 31
Temperature Rise	Class B @ 1.0SF, Class F @ 1.15SF	Sine Wave	Sine Wave
Conduit Box (Oversized)	Cast Iron	FS 140 - 440	FS 180 - 440
Fan Cover	Cast Iron	FS 140 - 440	FS 180 - 440
Cooling Fan	Bi-directional - polypropylene	FS 140 - 440	FS 180 - 440
Lead Seal Gasket	Neoprene		
Rotor	Die Cast Aluminum	FS 140 - 440	FS 180 - 440
Stator Winding	Copper - Random wound	FS 140 - 440	FS 180 - 440
Shaft	High strength carbon steel	C1045	C1045
Shaft Seal / Slinger	Shaft Seal (Meets IP54) V-ring slinger Meets IP54)	FS 140 - 250 (DE) FS 400 - 440 (DE)	V-ring slinger Meets IP54 (DE & NDE)
Bearing Housing	Cast iron		Cast iron
Bearing Type	Open Single Shielded Double Shielded	FS 140 - 250 & 440 (DE) FS 140 - 360 (NDE) FS 280 - 360 (DE) FS 440 (NDE) FS 400 (DE & NDE)	Open Double Shielded Duplex Angular Contact (Thrust Bearing) FS 180 - 250 (DE) FS 280 - 440 (DE) FS 180 - 440 (NDE)
Bearing Inner Cap	Cast Iron	FS 140 - 440	FS 180 - 440
Lubrication	Polyurea	Base Grease	Base Grease
Lube Inlet Fittings	Alemite		Alemite
Lube Relief Fittings	Plug		Plug
Vibration	0.08 IPS		0.08 IPS
Nameplate	Stainless steel	engraved	Stainless steel engraved
Condensation Drain	T-drain		T-drain
Hardware	Rust resistant		Rust resistant
Lifting Eyebolt	NA		NA
Paint	ALKYED MODIFIED	RAL7030	ALKYED MODIFIED RAL7030
Warranty	36 Months		36 Months
Inverter Duty	VT 10:1 CT 4:1	FS 140 -440 FS 140 - 440	VT 10:1 CT 4:1 FS 180 - 440 FS 180 - 440