

Introduction

Features at a glance

Explosion proof



XP100

XP100 ID1

HP Range	1 - 300	FS 140 - 440	1 - 300	FS 140 - 440
Frame Size	140 - 440		140 - 440	
Enclosure	TEFC		TEFC	
Frame	Cast Iron	8 Hole feet	Cast iron	8 Hole feet
Efficiency	NEMA Premium®	FS 140 - 440	NEMA Premium®	FS 140 - 440
Power Supply	3 Phase, 60Hz		3 Phase, 60Hz	
Voltage	208-230/460 V 230/460V 460V 575V	1 - 20 HP 25 - 100 HP 125 - 300 HP 1 - 300 HP	208 - 230/460 V 230/460V 460V 575V	1 - 20 HP FS 280 - 100 HP 125 - 300 HP 1 - 300 HP
Service Factor	1.0	Sine Wave	1.15	Sine Wave
Electrical Design	NEMA design B		NEMA design B	
Hazardous Classification	CL I Gr. C&D, CL II F&G Div 1	Max. Code T3C	CL I Gr. D, Div. 1	Max. Code T2A
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)	Cast Iron		Cast Iron	FS 140-440
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 - 440
Lead Seal Gasket	NA	(Sealed Leads)	NA	(Sealed Leads)
Rotor	Die Cast Aluminum		Die Cast Aluminum	
Stator Winding	Copper - Random wound NC Protective Devices	FS 140 - 440 Included	Copper - Random wound NC Protective Devices	FS 140 - 440 N/A
Shaft	High strength carbon steel	C1045	High strength carbon steel	C1045
Shaft Seal / Slinger	V-ring slinger Meets IP54	(DE & NDE)	V-ring slinger Meets IP54	(DE & NDE)
Bearing Housing	Cast iron	FS 140 - 440	Cast iron	
Bearing Type	Double Shielded Regreasable inlet and outlet	FS 140 - 440	Double Shielded Regreasable inlet and outlet	FS 140 - 440
Bearing Inner Cap	Cast Iron	FS 140 - 440	Cast Iron	FS 140 - 440
Lubrication	Polyurea	Base Grease	Polyurea	Base Grease
Lube Inlet Fittings	Alemite		Alemite	
Lube Relief Fittings	Plug		Pressure relief (Auto)	
Vibration	0.08 IPS		0.08 IPS	
Nameplate	Stainless steel	engraved	Stainless steel	engraved
Condensation Drain	UL approved	FS 280 - 440	UL approved	FS 280 - 440
Hardware	Rust resistant		Rust resistant	
Lifting Eyebolt	Provisions	FS 140- 180	Provisions	FS 140 - 180
Paint	ALKYED MODIFIED	RAL7030	ALKYED MODIFIED	RAL7030
Warranty	36 Months		36 Months	
Inverter Duty	VT 20:1 CT 4:1	FS 140 - 440 FS 140 - 320	VT 100:1 CT 4:1	FS 140 - 440 FS 140 - 440