

XFE500-2S EPE500-2S HPE500-2S HXPE500-2S

## GENERAL COMPRESSOR DATA

Capacity FAD (1)	CFM	2600	2425	2266	1879
Compressor Power	BHP	550	550	550	550
Full Load Package Discharge Pressure	PSIG	100	125	140	200
Maximum Operating Pressure	PSIG	110	135	150	210
Minimum Operating Pressure	PSIG	65	65	65	65
Rotor Diameters - 1st/2nd	MM	297/250	297/250	297/250	297/250
Male Rotor Speed - 1st Stage	RPM	2886	2692	2513	2124
Male Rotor Speed - 2nd Stage	RPM	2371	2228	2095	1797

## COOLING DATA - GENERAL 115°F MAXIMUM AMBIENT

Operating Temperature	°F	215	215	210	206
Airend Injection Temperature	°F	175	170	160	160
Heat Removal - Oil Cooler	1000 BTU/Hr	1190	1190	1190	1190
Oil Cooler and After Cooler	1000 BTU/Hr	1605	1519	1480	1430
Oil Flow	GPM	99	107	115	123

## AIRCOOLED DATA

Aftercooler CTD (4)	°F	15	15	15	N/A
Fan Air Flow (Remote Cooler)	CFM	45,000	45,000	45,000	N/A
Fan Air Flow (Package)	CFM	5000	5000	5000	N/A
Maximum Added Static Pressure	In. Water	0.25	0.25	0.25	N/A

## WATERCOOLED DATA

Aftercooler CTD (4)	°F	25	25	25	25
Cooling Water Required @ 115°F / 46°C	GPM	170	170	170	170
Water Temperature Rise	°F	15	15	15	15
Required Water Pressure	PSIG	45	45	45	45
Required Water Pressure with Opt Thermal Water Valve	PSIG	70	70	70	70
Fan Air Flow	CFM	5000	5000	5000	5000
Maximum Added Static Pressure	In. Water	0.25	0.25	0.25	0.25

## LUBRICATION DATA

Sump Capacity	Gal	13	13	13	13
Total Lubrication System Capacity	Gal	36	36	36	36

## SOUND LEVELS (5)

Standard Enclosure	dBA	85	85	85	85
Low Sound Enclosure	dBA	N/A	N/A	N/A	N/A

## ELECTRICAL DATA (2)

			<b>460V</b>	<b>575V</b>	<b>4160V</b>
Full Load BHP -Driver	BHP		550	550	550
Full Load BHP -Remote Cooler Fan	BHP		22	22	22
Full Load BHP -Package Fan	BHP		1.1	1.1	1.1
Full Load BHP -Package	BHP		573	573	573
Full Load Amps - Driver	AMPS		634.2	504.0	71.1
Full Load Amps - Remote Cooler Fan	AMPS		29.6	23.1	29.6 (7)
Full Load Amps - Package Fan	AMPS		2.1 (7)	2.1	1.7
Full Load Amps - Package	AMPS		665.9	529.2	---
Fan Horsepower (Watercooled)	BHP		1.1	1.1	1.1
Drive Motor RPM	RPM		1772	1772	1778
Drive Motor Frame: ODP			5010	5010	5008
Driver (FV) Locked Rotor Amps (3)	AMPS		3996	3197	382
Driver Efficiency/Power Factor - % of Load			94.9 / 89.4	94.9 / 89.4	94.8 / 84.6
			75%	95.3 / 87.9	95.1 / 81.6
			50%	95.2 / 83.4	95.0 / 74.5
Starter Size: Star Delta			D630 (9)	D420 (9)	N/A
Full Voltage			N/A	N/A	(8)

## NOTES:

- (1) FAD (Free Air Delivery) is full package performance including all losses per CAGI / PNEUROP PN2CPTC2.
- (2) Electrical data based on Reliance ODP motors, consult factory for others.
- (3) Star Delta starting current inrush is 33% of full voltage KVA inrush.
- (4) CTD (Cold Temperature Difference) based on 100 °F / 38 °C inlet air at 40% relative humidity.
- (5) Sound levels are "Free field conditions" per CAGI / PNEUROP S5.1
- (6) For weights, dimensions, and piping connections see general arrangement drawings.
- (7) 460V Fan Motor.
- (8) Remote Full Voltage IEC starter.
- (9) Remote Star-Delta IEC starter.
- (10) C/F = Consult Factory