

LMF-GP Electrical Rotary Screw Compressor LX90-8/10/13

Overview

LMF-GP Rotary screw compressors are versatile and user-friendly. Their high temperature tropical design makes them unique and versatile, they are suitable for the Industrial, oil and gas, marine, engineering and petro-chemical and construction industries.



Standard Features:

- High-Efficiency rotary screw assembly
- IE2 IP55 motor, excellent design for motor cooling
- High capacity, low pressure drop and high precision air filter
- 8,000 hours service life coolant
- 8,000 hours service life oil separator
- Loading-unloading capacity control function
- Sequence control
- Excellent micro computer controller



Oil Injected Rotary Screw Compressor

SPECIFICATIONS			
Model	LX90-8	LX90-10	LX90-13
Compressor performance*			
Effective Working Pressure - bar	8	10	12.5
Maximum Working Pressure-bar	8.5	10.5	13
Capacity at Effective Working Pressure - m3/min	16.6	14.1	11.3
Total input Power at Effective Working Pressure – kW	107.9	107.2	105.1
Specific Power at Effective Working Pressure-kW/m3/min	6.5	7.6	9.3
Electrical Data (Typical)		400V/50	
Motor rated kW		90	
Motor Nominal Efficiency %		94.1	
Nominal rpm		2965	
Frame Size (IP55)		280M	
Service Factor		1.2	
Nameplate Amps---FLA/SFA		151.7/182.0	
Locked Rotor Amps - Max.		1047	
Starter Type		Y-Δ	
Electrical Enclosure		IP55	
Dimensions & Weights w/Enclosure Air-cooled Series			
Length - mm		2160	
Width - mm		1320	
Height - mm		1580	
Weight - kg		2000	
Discharge Pipe Size		G2	
Moisture Drain Connection		/	
dBA Ratings at 1 Meter (Typical)			
Air – cooled w/ enclosure		72	
Cooling Air Flows			
Air Flow Air-cooled Fan - m3/min		280	
Air-cooled Fan Motor - kW		2.2	
Filter Rating			
Inlet Air		99.9% Eff. Per SAE J726C	
Main Lubricant Flow		Beta3=2,Beta 23=75 Per ISO 4572	

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