

# LMF-GP Electrical Rotary Screw Compressor LX45-8/10/13

## 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	LX45-8	LX45-10	LX45-13
<b>Compressor performance*</b>			
Effective Working Pressure - bar	8	10	12.5
Maximum Working Pressure-bar	8.5	10.5	13
Capacity at Effective Working Pressure - m3/min	8.3	6.5	5.3
Total input Power at Effective Working Pressure – kW	57.3	51.4	50.4
Specific Power at Effective Working Pressure-kW/m3/min	6.9	7.9	9.5
<b>Electrical Data (Typical)</b>		<b>400V/50</b>	
Motor rated kW		45	
Motor Nominal Efficiency %		92.9	
Nominal rpm		2950	
Frame Size (IP55)		225	
Service Factor		1.2	
Nameplate Amps---FLA/SFA		78.6/94.3	
Locked Rotor Amps - Max.		589	
Starter Type		Y-Δ	
Electrical Enclosure		IP55	
<b>Dimensions &amp; Weights w/Enclosure Air-cooled Series</b>			
Length - mm		1630	
Width - mm		960	
Height - mm		1220	
Weight - kg		880	
Discharge Pipe Size		G1 1/2	
Moisture Drain Connection		/	
<b>dBA Ratings at 1 Meter (Typical)</b>			
Air – cooled w/ enclosure		70	
<b>Cooling Air Flows</b>			
Air Flow Air-cooled Fan - m3/min		233.3	
Air-cooled Fan Motor - kW		1.1	
<b>Filter Rating</b>			
Inlet Air		99.9% Eff. Per SAE J726C	
Main Lubricant Flow		Beta3=2,Beta 23=75 Per ISO 4572	

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