



# LMF Rotary Screw Air Compressors 5-355kW LX Range



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ROTARY SCREW  
TECHNOLOGY

worldwide compressor technology

Distinctive advantage of  
LMF Rotary Screw Air Compressors

**Standard Features**

- High-efficiency rotary screw assembly
- IE2 IP54 motor, excellent design for motor cooling
- High capacity, low pressure drop and high precision air filter
- 4,000 hours service life synthetic lubricant
- 4,000 hours service life oil separator
- Loading-unloading capacity control function
- Sequence control
- Excellent micro-computer controller

**Addition options**

- 8000 hours service life oil separator
- 6000 hours service life lubricant
- Modulation valve
- Heat recovery system
- Centralized controller
- ANSI/DIN flange outlet
- Efficient and high-capacity moisture separator with automatic drainage function
- IE3 IP54 motor
- Variable speed control

**Air filter**

- High precision
- Large capacity
- Low pressure drop



**Oil filter**

- Environment filter material
- Filtering accuracy over 99.5%

**Oil separator**

- Fluid carryover less than 2ppm

**Lubricant**

**Blue-4k**

- High oxidative stability
- Low oil carryover
- High flash point
- Non-adhesive
- Anti-corrosion
- High thermal conductivity



**Blue-8k**

- Long service life
- Low oil carryover
- High flash point
- Non-adhesive
- Anti-corrosion
- High thermal conductivity

When the machine is serviced according to the schedule set out in the operator manual and when genuine LMF spare parts and lubricants are used, the air end will have a 5 year or 30,000 hour warranty.



**LMF LX series**

**LX5-355 kW Specifications**

Model	Motor kW	Maximum discharge pressure			Weight kg	Discharge connection
		8.5bar	10.5bar	13bar		
LX5	5.5	0.7	0.6	0.5	240	G1
LX7	7.5	1.09	0.97	0.75	260	G1
LX11	11	1.66	1.35	1.15	450	G1
LX15	15	2.34	1.88	1.7	500	G1
LX18	18.5	3.2	2.5	-	600	G1
LX22	22	3.8	3.3	2.7	650	G1
LX30	30	5.4	4.5	3.5	680	G1 1/2
LX37	37	6.7	5.3	3.7	700	G1 1/2
LX45	45	8.3	6.5	5.3	880	G1 1/2
LX55	55	10.5	8.3	6.5	1350	G1 1/2
LX75	75	14.1	11.6	9.4	1550	G2
LX90	90	16.6	14.1	11.3	2000	G2
LX110	110	21	16.8	13.8	2700	DN65
LX132	132	23.5	20.7	16.3	2800	DN65
LX160	160	28.2	24.3	20.3	4200	DN80
LX200	200	36.6	31.9	26.4	4300	DN80
LX250	250	45.9	39.7	33	6000	DN100
LX315	315	55.2	49.5	45.4	7200	DN125
LX355	355	65.3	54.6	49.3	7400	DN125

Remarks:  
1. Capacity is measured under the rated discharge pressure according to ISO 1217, attached C.

**Dimensions**

Model	Length	Width	Height
	mm	mm	mm
LX5, LX7	900	700	1040
LX11, LX15	1060	800	1230
LX18, LX22	1370	900	1110
LX30, LX37	1600	960	1220
LX45	1630	960	1220
LX55	1850	1200	1500
LX75	2160	1220	1580
LX90	2160	1320	1580
LX110, LX132	2500	1400	1710
LX160, LX200	2960	1660	2000
LX250	3700	2200	2200
LX315, LX355	4200	2200	2210

Remarks:  
1. All types of dimensions without moisture separator.  
2. LX5-LX15: Belt Drive, LX18-LX355: Direct Drive.

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