

LMLP Oil Pumps



- Compact - pump mounted directly to motor
- Rotating swash plate design
- Pressures up to 210 bar
- Flows up to 29.44 l/m (7.77 USg/m)
- Horizontal or Vertical Mounting

The LMLP hydraulic axial piston pump is a low pressure/higher flow variant of our LM range. They have been specially designed for direct mounting to AC motors, avoiding the need for a bell housing and coupling.

The Type LMLP hydraulic axial piston pump is of a rotating swash plate design and can deliver pressures up to 210 bar.

To suit your fluid compatibility, environment, maintenance and value requirements, these pumps are available with all 316 stainless steel external components, all carbon steel or a combination of carbon steel with an aluminium case.

The LMLP pump is available with 3 or 6 pistons, providing flow rates up to 29.44 l/m (7.77 USg/m) as listed in the table below.

These pumps are designed to run on mineral oils with an operating viscosity between 15 and 100 cst. Consult the factory for viscosities outside this range. The operating temperature range is -20°C to +60°C (Ambient)

Installation

Rotation is bi-directional and the pump may be mounted horizontally or vertically.

A suction filter of 150 microns or better should be used. Finer filtration is desirable for the pump life, but is important that the inlet flowrate to the pump is not restricted and no more than -2 in.Hg is measured in the suction pipework under pumping conditions. Where possible a positive pressure should be maintained in the suction pipework under flowing conditions. When the pump is stationary the suction line should be kept under positive pressure to allow priming.

Part Number	Cylinders	Flow	Flow @ 1450 RPM		Flow @ 1750 RPM		Pressure bar
		cc/rev	l/m	Usg/m	l/m	Usg/m	
LMLPxR1-xx-00473-0210-3-4-NC-VH-xx-xx	3	4.73	6.86	1.811	8.28	2.186	210
LMLPxR1-xx-00538-0210-3-4-NC-VH-xx-xx	3	5.38	7.81	2.061	9.42	2.487	210
LMLPxR1-xx-00608-0210-3-4-NC-VH-xx-xx	3	6.08	8.81	2.326	10.63	2.807	210
LMLPxR1-xx-00681-0210-3-4-NC-VH-xx-xx	3	6.81	9.88	2.608	11.92	3.147	210
LMLPxR1-xx-00759-0210-3-4-NC-VH-xx-xx	3	7.59	11.01	2.906	13.28	3.507	210
LMLPxR1-xx-00841-0210-3-4-NC-VH-xx-xx	3	8.41	12.20	3.220	14.72	3.886	210
LMLPxR1-xx-00946-0210-6-4-NC-VH-xx-xx	6	9.46	13.72	3.622	16.56	4.371	210
LMLPxR1-xx-01077-0210-6-4-NC-VH-xx-xx	6	10.77	15.61	4.121	18.84	4.974	210
LMLPxR1-xx-01215-0210-6-4-NC-VH-xx-xx	6	12.15	17.62	4.652	21.27	5.615	210
LMLPxR1-xx-01363-0210-6-4-NC-VH-xx-xx	6	13.63	19.76	5.216	23.84	6.295	210
LMLPxR1-xx-01518-0200-6-4-NC-VH-xx-xx	6	15.18	22.01	5.811	26.57	7.014	200
LMLPxR1-xx-01682-0180-6-4-NC-VH-xx-xx	6	16.82	24.39	6.439	29.44	7.771	180

Additional Options

LMLPxR1-xx-01363-0210-6-4-NC-VH-xx-xx



Mounting Option

- LMLPR1 - Direct coupling to IEC 100/112 Frame B34 Face motors
- LMLP95R1 - Direct coupling to IEC 90 Frame B35 and V1 Flange motors
- LMLP105R1 - Direct coupling to IEC 100/112 Frame B35 and V1 Flange motors.
- LMLP134R1 - Direct coupling to IEC 132 Frame B34 Face motors.
- LMLP144R1 - Direct coupling to NEMA 143T/145T Frame C face (B34) motors
- LMLP145R1 - Direct coupling to NEMA 143T/145T Frame D flange (B35 and V1) motors
- LMLP184R1 - Direct coupling to NEMA 182T/184T Frame C face (B34) motors
- LMLP185R1 - Direct coupling to NEMA 182T/184T Frame D flange (B35 and V1) motors
- LMLP214R1 - Direct coupling to NEMA 213T/215T Frame C face (B34) motors
- LMLP215R1 - Direct coupling to NEMA 215T/215T Frame D flange (B35 and V1) motors
- LMSR1 - Shaft driven pump for use with a Bellhousing and Coupling.

Case Material

- 00 - Stainless Steel Construction
- 01 - Carbon Steel Construction
- 02 - Aluminium Case and Carbon Steel pressure retaining components.

Inlet Connection Options

- 04 - 3/4" BSP Female Inlet
- 09 - 3/4" NPT Female Inlet

Outlet Connection Options

- 02 - 3/8" BSP Female Outlet
- 03 - 1/2" BSP Female Outlet
- 07 - 3/8" NPT Female Outlet
- 08 - 1/2" NPT Female Outlet

Dimensions

