



**WALRUS**  
PUMP

# LMP Series

## High Pressure Screw Pump



**Better Life  
Through Innovation**

# LMP Series Screw Pump

**50 / 60 Hz**

Power: 5.5 - 7.5 kW

Head: Up to 800 M ( 80bar )

Flow: Up to 28 L/min

Outlet: 3/4"

Inlet: 1"



Construction Industry



Agriculture &amp; Fishing Industry



Manufacturing Industry



Electricity &amp; New Energy Industry



Entertainment &amp; Leisure Industry



Accommodation &amp; Food Service Industry



Wholesale &amp; Retail Industry



Water Supply &amp; Pollution Control



Service Industry

## Product Features

The LMP series features a wear-resistant design, making it particularly suitable for:

- High-demand applications involving the machining of materials that are difficult to mill (e.g., aluminum and stainless steel)
- Various precision applications in industries such as aerospace
- Grinding applications

Application areas:

- Machine Tools
- Machining Center
- Booster station
- Centralized and decentralized coolant preparation systems
- Lubricants and hydraulics

## Operating Conditions

Rotation direction: Clockwise, starting from the top on the motor vent side.

- Liquids Temperature: 0°C to +80°C

- Ambient temperature: Maximum 40°C

When emulsion, minimum oil content is 5%

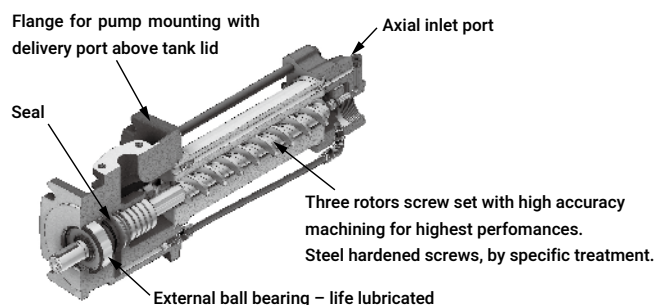
- Maximum solid content: 40 mg/liter

- Maximum particle size: 0.05 mm (50 microns)

## Model Code

Model type	LMP	20	70
Pump base size			
Nominal head (kg/cm <sup>2</sup> )			
Maximum pressure (P. max)			
10=10 bar			
20=20 bar			
.... (The increment for each level is 10, with the following maximum limit)			
00=100 bar			

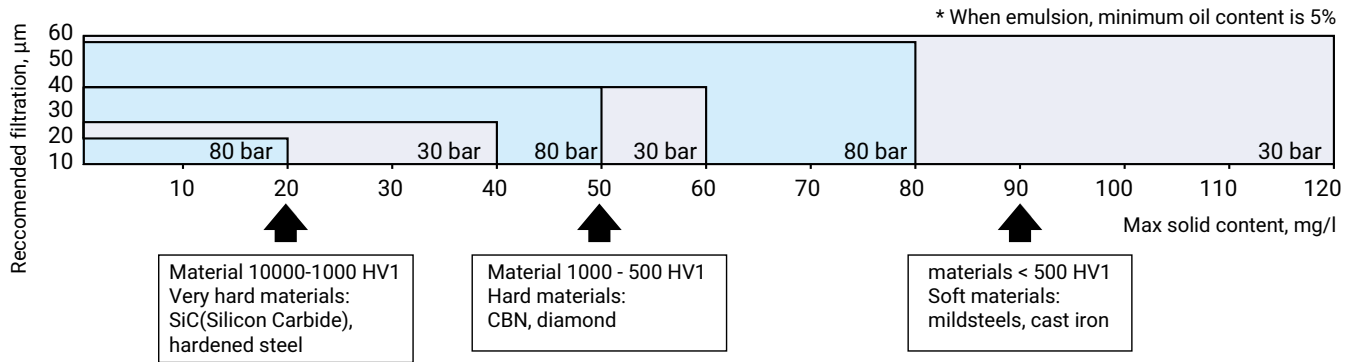
## Pump Structure



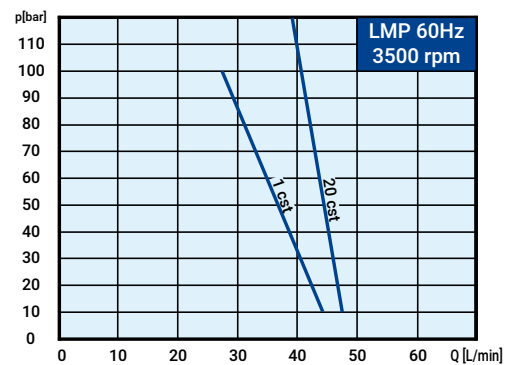
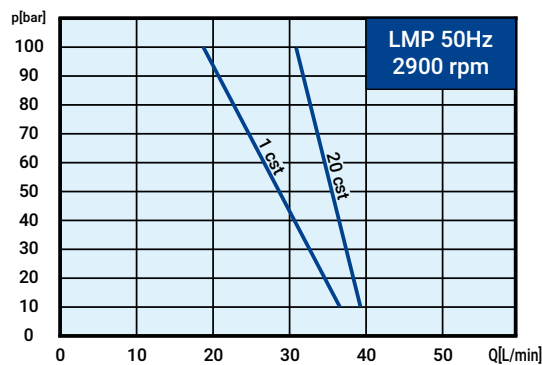
## Materials

Part Name	Material
Spindle (screw shaft and drive shaft)	Specially hardened high-performance steel
Screw casing	Surface-treated flake graphite cast iron EN-GJL-250
Pressure-resistant housing	Flake graphite cast iron EN-GJL-250
O-ring seal	Viton

## Recommended Filter Quality



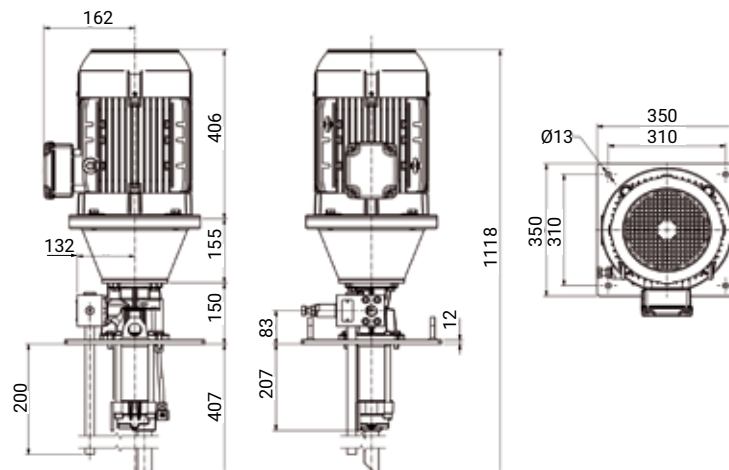
## Performance Curve



## Electrical Data

Model	PH Ø	Cycle Hz	Volts V	P2 kW	Ampere I <sub>1/1</sub> (A)	Ampere I <sub>max</sub> (A)
<b>LMP2050</b>	3	50	220-240/380-415	5.5	19.6-19.9/11.3-11.4	21.3-21.2/12.3-12.2
		60	220-255/380-440	5.5	19.1-17.9/10.9-10.3	21.7-19.9/12.4-11.5
<b>LMP2070</b>	3	50	220-240/380-415	7.5	25.0-24.8/14.6-14.5	27.3-26.8/12.3-15.7
		60	220-255/380-440	7.5	25.4-24.4/14.7-14.1	28.9-27.1/16.7-15.8
<b>LMP2080</b>	3	50	220-240/380-415	7.5	25.0-24.8/14.6-14.5	27.3-26.8/12.3-15.7

## Dimensions, (mm)





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All specifications are subject to change without notice. LMP-EN000a-202504

