

	Product Information LPP50-16-1.5/2	Manufacturer	LEO
		Address	China,Zhejiang,Wenling
		Contact	0576-89988888
		Date	2024/04/23
Project Name		Client Name	Heatinvest
		Client Addr.	
Item NO		Contacts	
		Contact	

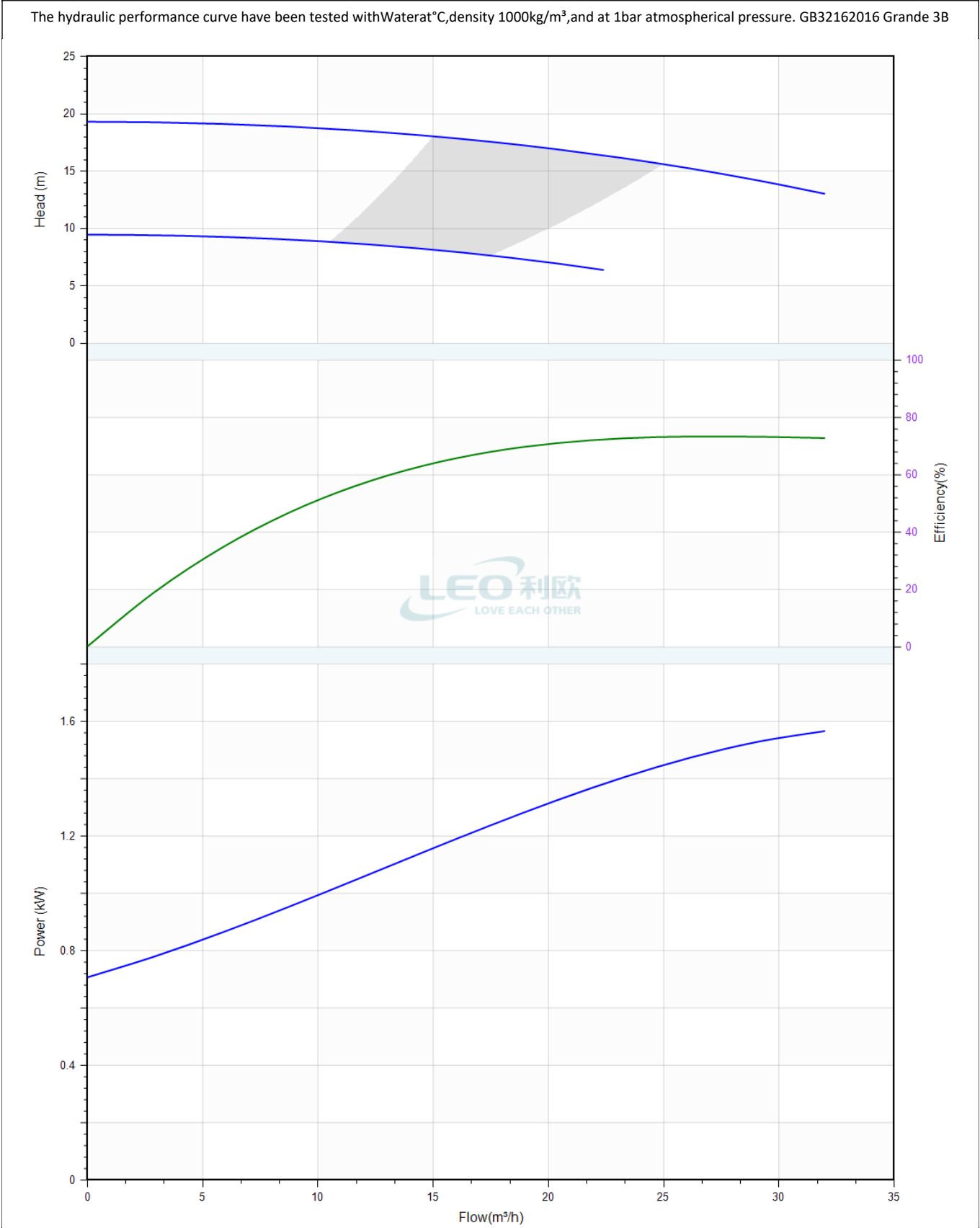
Part NO.	LPP50-16-1.5/2	
Product Picture	Note	
	This series products are vertical in-line centrifugal pump. Standard configuration Mechanical seal standard motor. In daily maintenance the motor and impeller can be removed from the pump body for the maintenance and repair no need to remove pump body from the pipeline. Optimization design of impeller by CFD fluid simulation and analysis technology less axial force longer bearing life. Appearance designed by Italy professional shape design team the most advanced modular design concept. The surface of the whole machine adopts electrophoretic coating process, have better anti-corrosion effect.	

Nameplate parameters	
flow	22 m³/h
head	16 m
speed	2900 rpm
number of stages	1
Technical	
Curve tolerance	ISO9906 AnnexA
Maximum lift (m)	19
Minimum usage flow (m³/ h)	3
Maximum use flow (m³/ h)	32
Material	
Impeller	HT200
Pump inlet	HT200
Pump shaft	AISI304
Mechanical seal	SiC/C
O-ring	NBR
Working conditions	
Max. ambient temperature (°C)	40
Max. liquid temperature (°C)	90
Pumped medium	Thin, clean, non corrosive, non flammable and explosive liquid without solid particles and fibers.
Working pressure	16bar
Installation	
Inlet & Outlet Diameter	DN50
Connection standard	DIN
Motor	
Motor phase	Three phase
Protection class	IP55
Motor poles	2
Insulation class	F
Motor power (KW)	1.5KW
Frequency	50
Rated voltage (V)	380
Rated current (A)	3.22222347573535
Efficiency class	IE3
Power factor	0.84

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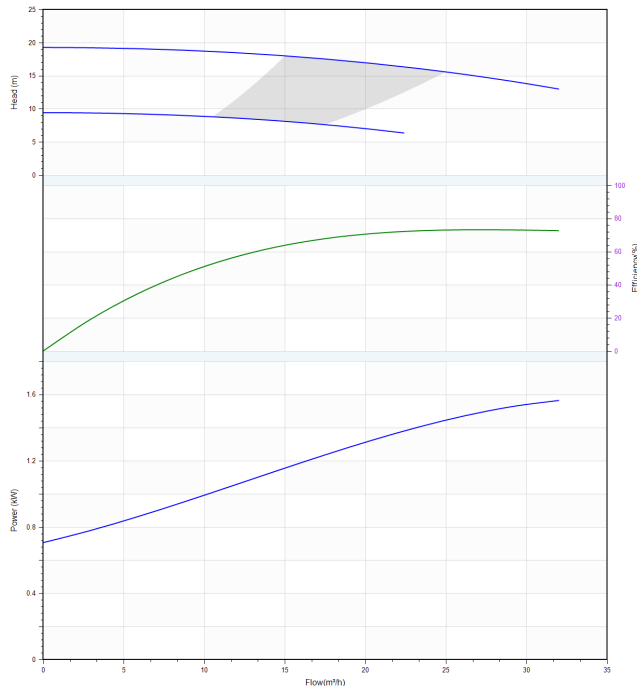
Drive end bearing	6205
Non-drive end bearing	6205
Efficiency (%)	84.2
Weight/Packaging	
Gross weight (kg)	55.65
Package size	740*420*325
	

	Performance Curve LPP50-16-1.5/2	Manufacturer	LEO
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	Pump Technical Parameters LPP50-16-1.5/2	Manufacturer	LEO
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Rated parameters	
Pump model	LPP50-16-1.5/2
Part NO.	LPP50-16-1.5/2
Rated flow	22 m³/h
Rated head	16 m
Rated efficiency (%)	71.5
Power (kW)	1.342
Speed (rpm)	2900
Max impeller diameter (mm)	119
Medium	
Pumped medium	Water
Working temperature (°C)	20
Medium density (kg/m³)	1000
Viscosity (mm²/s)	1

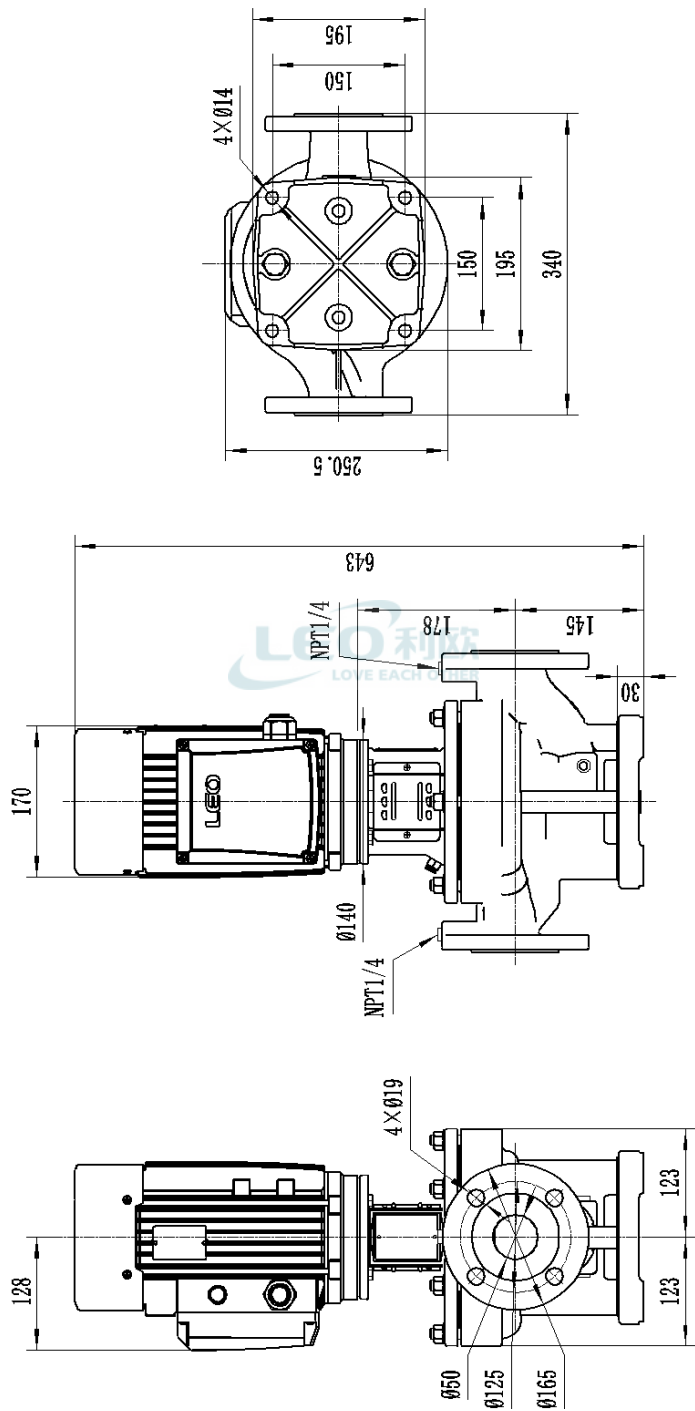


The image displays two performance graphs for the LPP50-16-1.5/2 pump. The top graph plots Head (m) on the y-axis (0 to 25) against Flow (m³/h) on the x-axis (0 to 35). It shows a downward-sloping curve starting at approximately 20 m head at 0 flow and ending at about 12 m head at 32 m³/h. A shaded gray region indicates the operating range, bounded by the curve and a vertical line at 22 m³/h. The bottom graph plots Power (kW) on the y-axis (0 to 1.6) against Flow (m³/h) on the x-axis (0 to 35). It shows an upward-sloping curve starting at approximately 0.6 kW at 0 flow and reaching about 1.5 kW at 32 m³/h. A shaded gray region indicates the operating range, bounded by the curve and a vertical line at 22 m³/h.

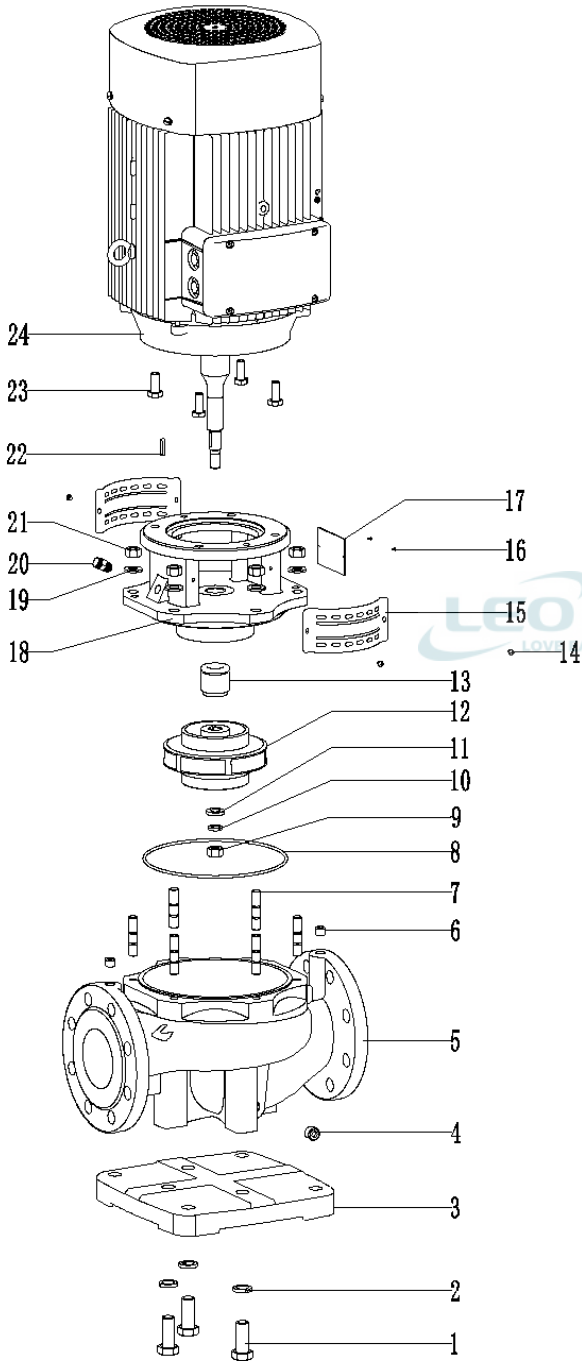
Flow (m³/h)	Head (m)	Power (kW)
0	20.0	0.60
5	19.5	0.75
10	19.0	0.90
15	18.5	1.05
20	18.0	1.20
22 (Rated)	17.5	1.342
25	17.0	1.40
30	16.0	1.50
32	15.0	1.55



	Installation picture LPP50-16-1.5/2	Manufacturer	LEO
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	Structure picture LPP50-16-1.5/2	Manufacturer	LEO
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24	Motor	
23	Hex head bolt	
22	Key	304
21	Hex nut	
20	Release valve	HPb59-1
19	Washer	
18	Motor frame	HT200
17	Rivet	
16	Nameplate	
15	Guard plate	304
14	Screw	
13	Mechanical seal	SiC/C
12	Impeller	HT200
11	Washer	304
10	Spring washer	304
9	Hex nut	304
8	O-ring	NBR
7	Double-head stud A type	
6	Hexagonal socket head plug	
5	Pump body	HT200
4	Hexagonal socket head plug	
3	Baseplate	HT200
2	Spring washer	
1	Hex head bolt	
No.	Part	Material

	Physical picture LPP50-16-1.5/2	Manufacturer	LEO
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