

	Product Information LPP32-4-0.37/2	Manufacturer	LEO
		Address	China,Zhejiang,Wenling
		Contact	0576-89988888
		Date	2024/04/23
Project Name		Client Name	Heatinvest
		Client Addr.	
Item NO		Contacts	
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Part NO.	LPP32-4-0.37/2		
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.	

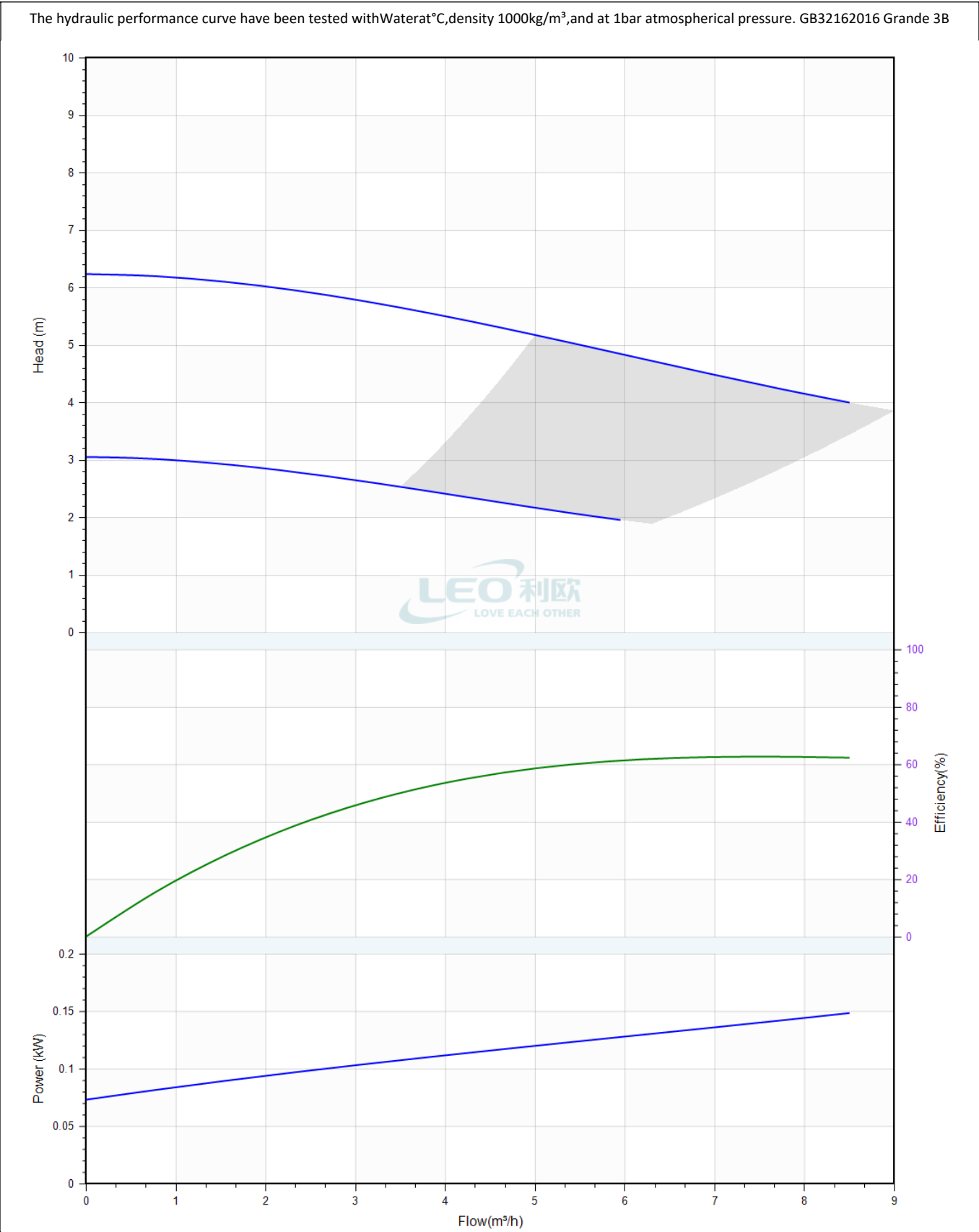
Nameplate parameters	
flow	7.5 m³/h
head	4 m
speed	2900 rpm
number of stages	1
Technical	
Curve tolerance	IS09906 AnnexA
Maximum lift (m)	6
Minimum usage flow (m³/ h)	1
Maximum use flow (m³/ h)	8.5
Material	
Impeller	HT200
Pump inlet	HT200
Pump shaft	AISI304
Mechanical seal	SiC/C
O-ring	NBR
Working conditions	
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	DN32
Connection standard	DIN
Motor	
Motor phase	Three phase
Protection class	IP55
Motor poles	2
Insulation class	F
Motor power (KW)	0.37KW
Frequency	50
Rated voltage (V)	380
Rated current (A)	0.91
Efficiency class	IE3
Power factor	0.81

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Drive end bearing	6202
Non-drive end bearing	6202
Efficiency (%)	76.5
Weight/Packaging	
Gross weight (kg)	17.39
Package size	455*280*232

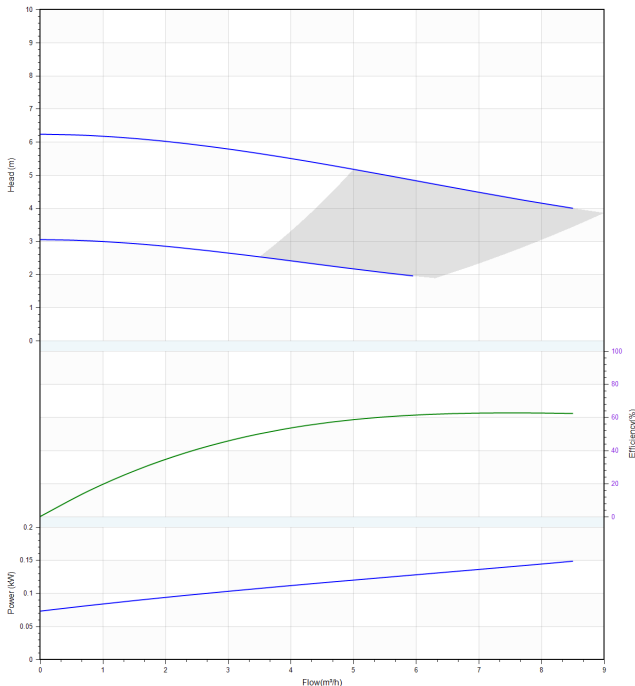


	Performance Curve LPP32-4-0.37/2	Manufacturer	LEO
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	Pump Technical Parameters LPP32-4-0.37/2	Manufacturer	LEO
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Rated parameters	
Pump model	LPP32-4-0.37/2
Part NO.	LPP32-4-0.37/2
Rated flow	7.5 m³/h
Rated head	4 m
Rated efficiency (%)	63.5
Power (kW)	0.129
Speed (rpm)	2900
Max impeller diameter (mm)	73
Medium	
Pumped medium	Water
Working temperature (°C)	20
Medium density (kg/m³)	1000
Viscosity (mm²/s)	1

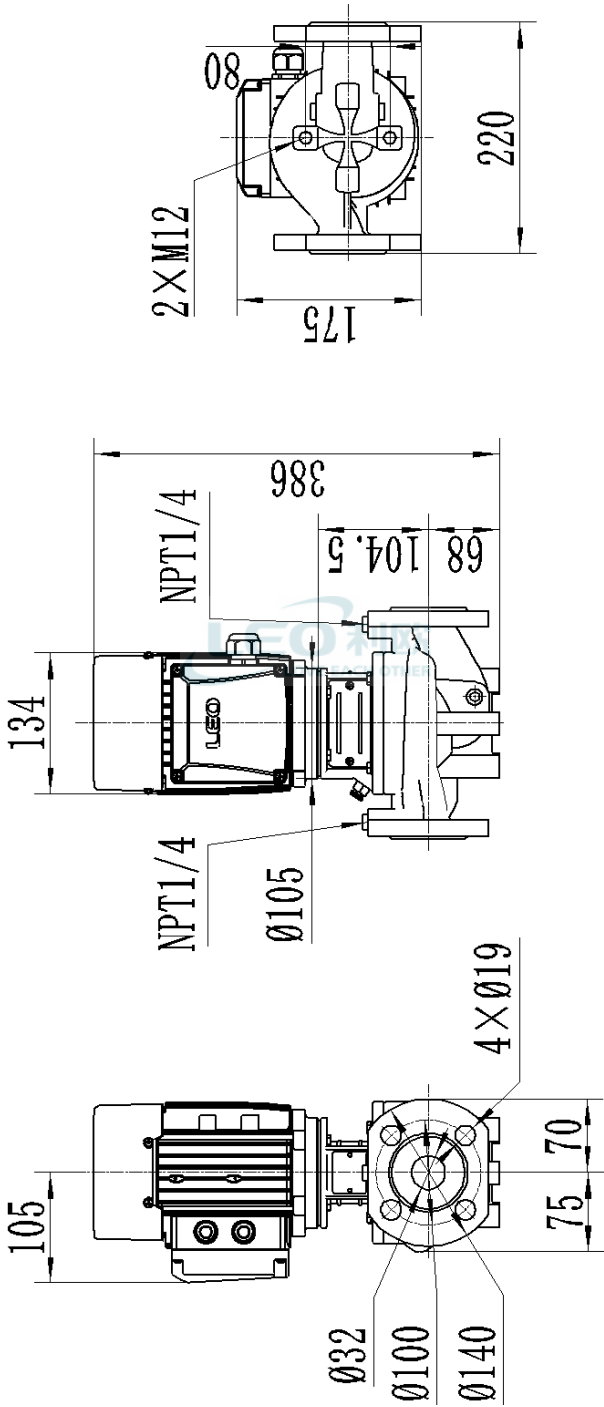


The graph displays three performance metrics against flow rate (m³/h) from 0 to 9. The top y-axis represents Head (m) from 0 to 10. The bottom left y-axis represents Power (kW) from 0 to 0.2. The bottom right y-axis represents Efficiency (%) from 0 to 100. A blue line shows the head decreasing from approximately 6.3 m at 0 m³/h to 4.0 m at 8.5 m³/h. A green line shows efficiency increasing from approximately 25% at 0 m³/h to 63.5% at 7.5 m³/h, then slightly decreasing. A blue line shows power increasing from approximately 0.08 kW at 0 m³/h to 0.129 kW at 7.5 m³/h. A shaded gray region highlights the operating range, bounded by the head curve, the efficiency curve, and the power curve, starting from a flow rate of about 4.5 m³/h and ending at 8.5 m³/h.

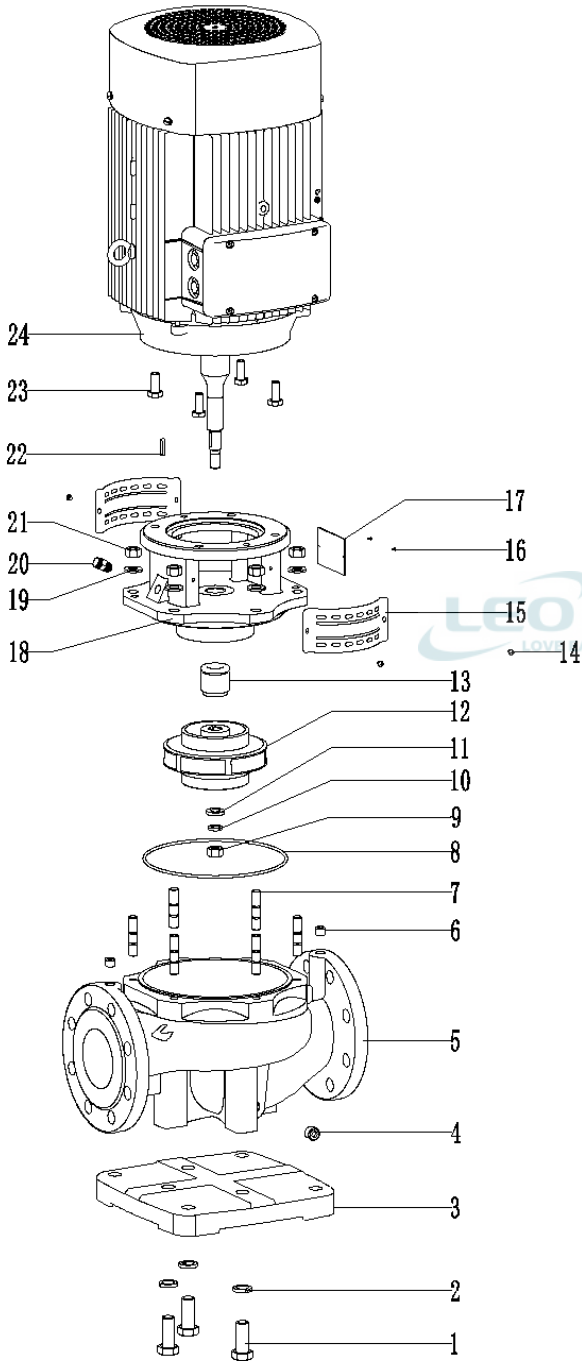
Flow (m³/h)	Head (m)	Efficiency (%)	Power (kW)
0	6.3	25	0.08
1	6.2	35	0.085
2	6.1	45	0.09
3	6.0	55	0.095
4	5.9	60	0.10
5	5.7	62	0.105
6	5.5	63	0.11
7	5.2	63.5	0.115
8	4.8	63	0.12
8.5	4.0	62	0.129



	Installation picture LPP32-4-0.37/2	Manufacturer	LEO
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	Structure picture LPP32-4-0.37/2	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 LPP32-4-0.37/2	Manufacturer	LEO
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