

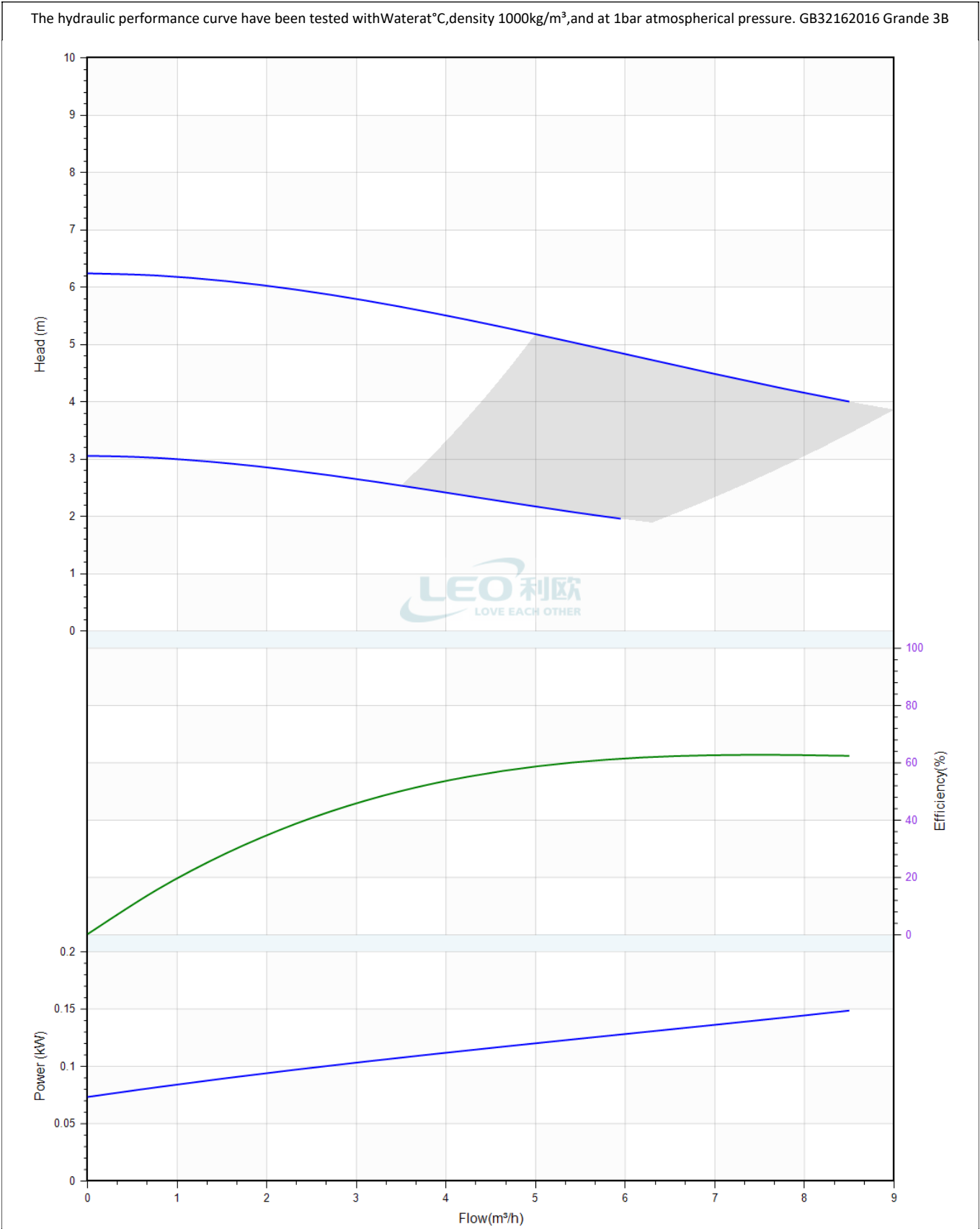
	Product Information LPP32-4-0.37/2	Manufacturer	LEO
		Address	China,Zhejiang,Wenling
		Contact	0576-89988888
		Date	2023/10/23
Project Name		Client Name	Spaceport
		Client Addr.	Куйбышева 95 Б
Item NO		Contacts	
		Contact	

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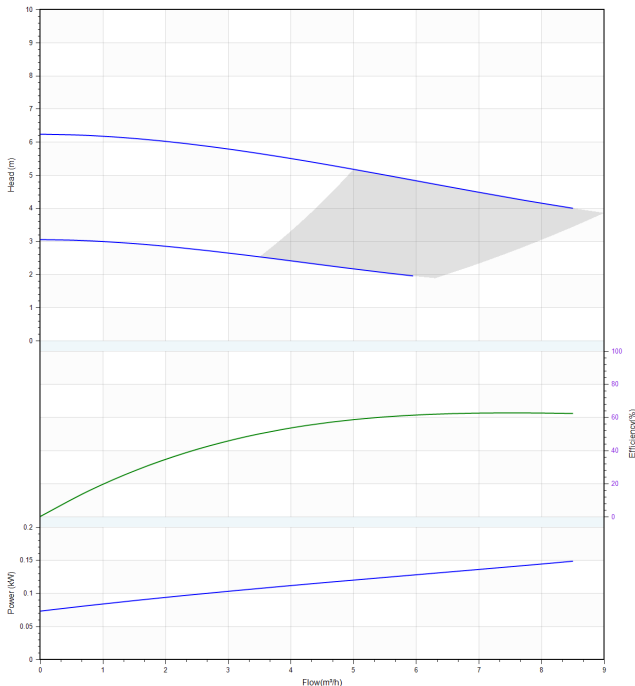
Drive end bearing	6202
Non-drive end bearing	6202
Efficiency (%)	76.5
Weight/Packaging	
Gross weight (kg)	17.39
Package size	455*280*232
	

	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

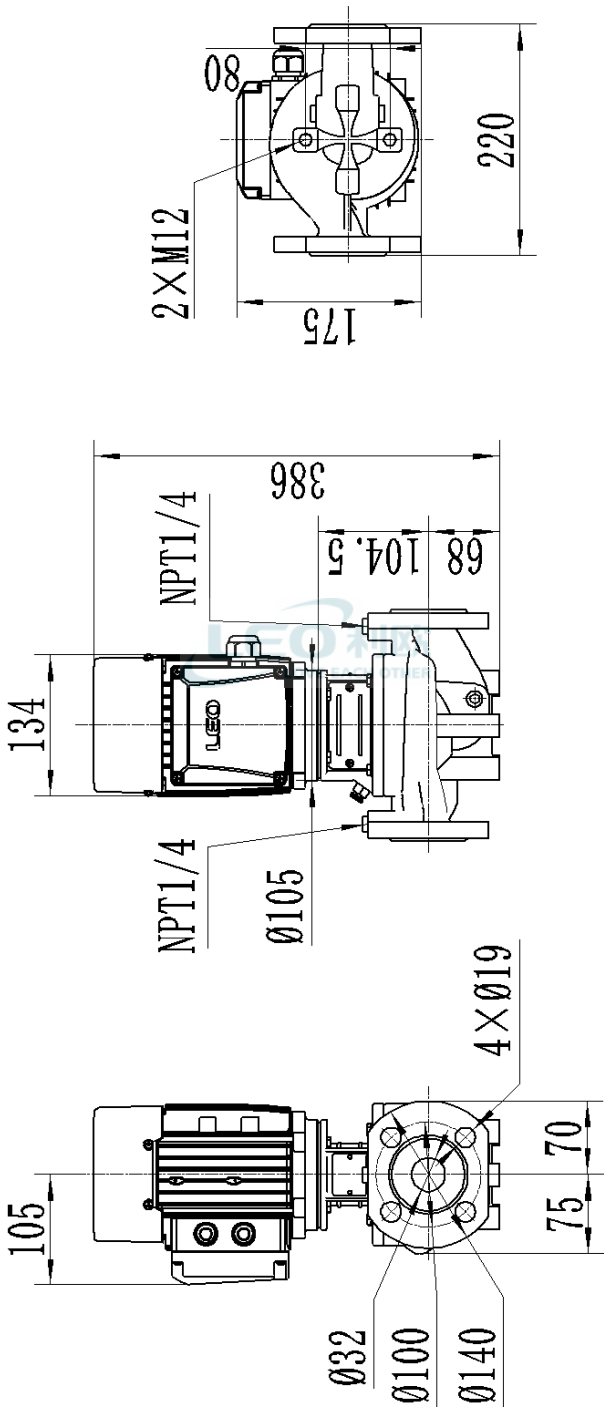


The graph displays three performance metrics against flow rate (m³/h) from 0 to 9. The top y-axis represents Head (m) from 0 to 10. The bottom left y-axis represents Power (kW) from 0 to 0.2. The bottom right y-axis represents Efficiency (%) from 0 to 100. A blue curve shows the head decreasing from approximately 6.3 m at 0 m³/h to 4.0 m at 8.5 m³/h. A green curve shows efficiency increasing from approximately 25% at 0 m³/h to 63.5% at 7.5 m³/h, then slightly decreasing. A blue curve 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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	Physical picture LPP32-4-0.37/2	Manufacturer	LEO
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