

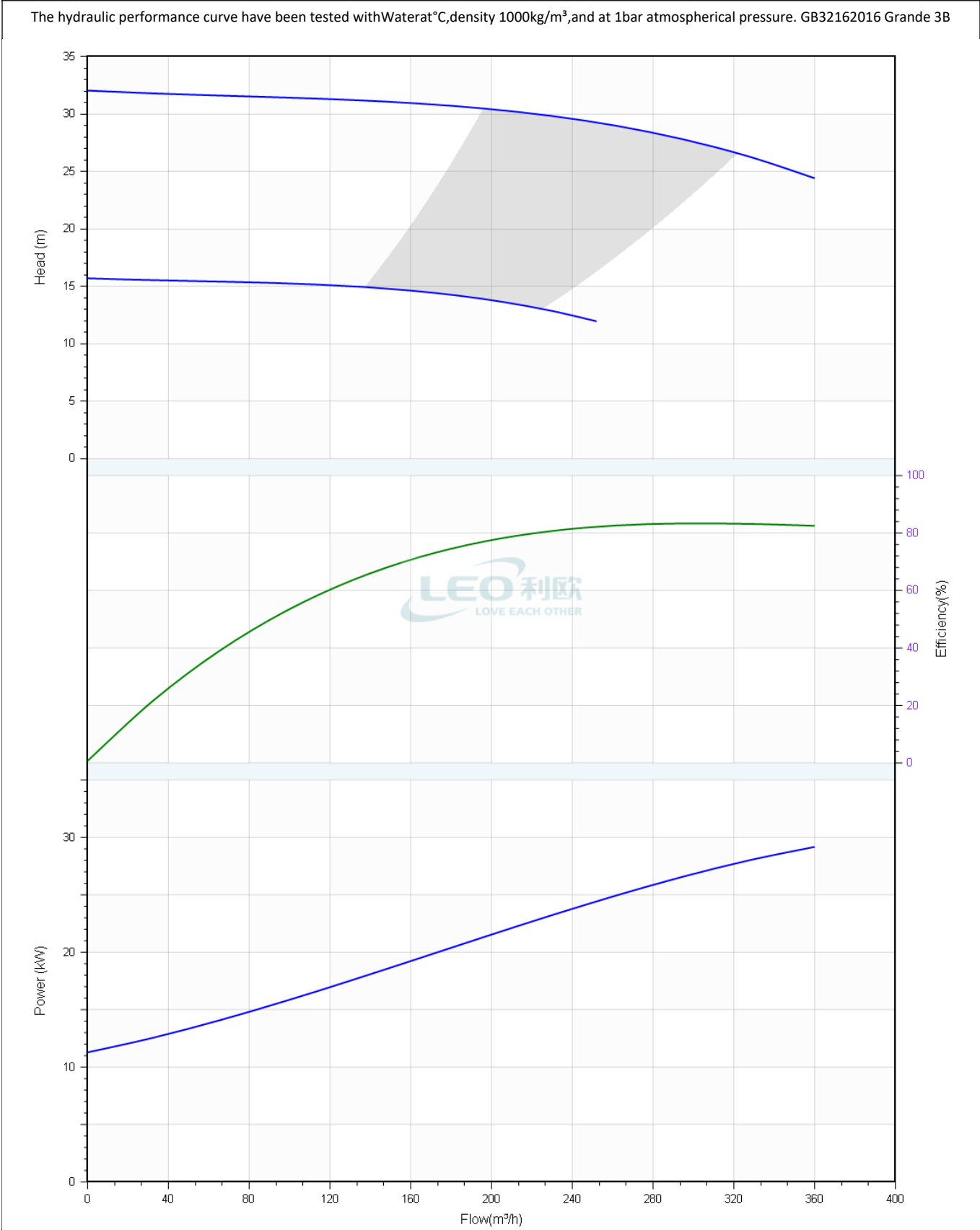
	Product Information LPP150-29-30/4	Manufacturer	LEO
		Address	China,Zhejiang,Wenling
		Contact	0576-89988888
		Date	2023/10/26
Project Name		Client Name	Spaceport
		Client Addr.	Куйбышева 95 Б
Item NO		Contacts	
		Contact	

Part NO.	LPP150-29-30/4		
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	280 m³/h		
head	29 m		
speed	1480 rpm		
number of stages	1		
Technical			
Curve tolerance	ISO9906 AnnexA		
Maximum lift (m)	32		
Minimum usage flow (m³/ h)	28		
Maximum use flow (m³/ h)	360		
Material			
Impeller	QT400		
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	DN150		
Connection standard	DIN		
Motor			
Motor phase	Three phase		
Protection class	IP55		
Motor poles	4		
Insulation class	F		
Motor power (KW)	30KW		
Frequency	50		
Rated voltage (V)	380		
Rated current (A)	56.6242849313779		
Efficiency class	IE3		
Power factor	0.86		

	Product Information LPP150-29-30/4	Manufacturer	LEO
		Address	China,Zhejiang,Wenling
		Contact	0576-89988888
		Date	2023/10/26
Project Name		Client Name	Spaceport
		Client Addr.	Куйбышева 95 Б
Item NO		Contacts	
		Contact	

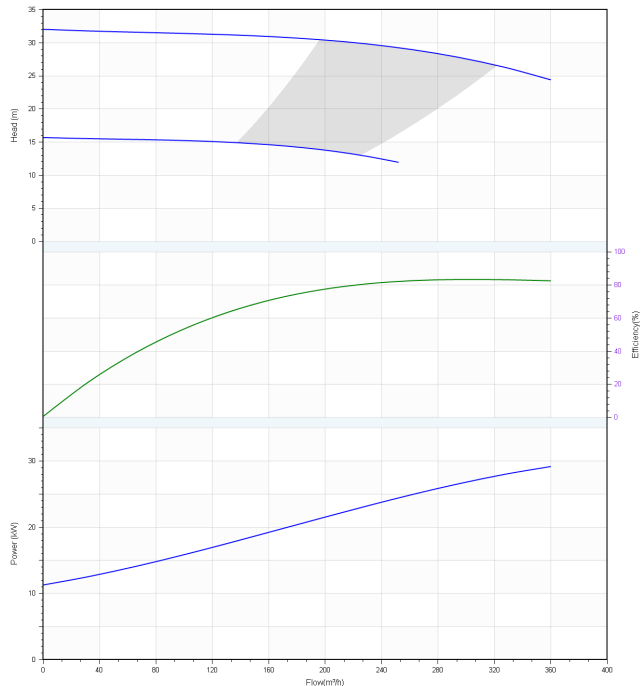
Drive end bearing	7312
Non-drive end bearing	6312
Efficiency (%)	93.6
Weight/Packaging	
Gross weight (kg)	520
Package size	1350*870*760
	

	Performance Curve LPP150-29-30/4	Manufacturer	LEO
		Address	China,Zhejiang,Wenling
		Contact	0576-89988888
		Date	2023/10/26
Project Name		Client Name	Spaceport
Item NO		Client Addr.	Куйбышева 95 Б
		Contacts	
		Contact	



	Pump Technical Parameters LPP150-29-30/4	Manufacturer	LEO
		Address	China,Zhejiang,Wenling
		Contact	0576-89988888
		Date	2023/10/26
Project Name		Client Name	Spaceport
		Client Addr.	Куйбышева 95 Б
Item NO		Contacts	
		Contact	

Rated parameters	
Pump model	LPP150-29-30/4
Part NO.	LPP150-29-30/4
Rated flow	280 m³/h
Rated head	29 m
Rated efficiency (%)	84
Power (kW)	26.3
Speed (rpm)	1480
Max impeller diameter (mm)	310
Medium	
Pumped medium	Water
Working temperature (°C)	20
Medium density (kg/m³)	1000
Viscosity (mm²/s)	1



The graph displays the performance characteristics of the LPP150-29-30/4 pump. The x-axis represents Flow in m³/h, ranging from 0 to 400. The left y-axis represents Head in meters (m), ranging from 0 to 35. The right y-axis represents Efficiency in percent (%), ranging from 0 to 100. The bottom y-axis represents Power in kilowatts (kW), ranging from 0 to 30. The head curve (blue) starts at approximately 33 m at 0 m³/h and decreases to about 24 m at 360 m³/h. The efficiency curve (green) starts at approximately 15% at 0 m³/h and increases to about 84% at 280 m³/h. The power curve (blue) starts at approximately 11 kW at 0 m³/h and increases to about 26.3 kW at 280 m³/h. A shaded gray region indicates the operating range, bounded by the head curve and the efficiency curve.

Flow (m³/h)	Head (m)	Efficiency (%)	Power (kW)
0	33	15	11
40	32.5	25	12
80	32	40	13
120	31.5	55	14
160	31	70	15
200	30.5	80	16
240	30	84	17
280	29	84	26.3
320	28	84	27
360	24	84	28



	Structure picture LPP150-29-30/4	Manufacturer	LEO
		Address	China,Zhejiang,Wenling
		Contact	0576-89988888
		Date	2023/10/26
Project Name		Client Name	Spaceport
		Client Addr.	Куйбышева 95 Б
Item NO		Contacts	
		Contact	

LPP



29	Hex nut	
28	Washer	
27	Motor	
26	Hex head bolt	
25	Clamp ring	45
24	Pump shaft	304/45
23	Key	304
22	Release valve	304
21	Hex nut	HPb59-1
20	Washer	
19	Hex head bolt	
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 LPP150-29-30/4	Manufacturer	LEO
		Address	China,Zhejiang,Wenling
		Contact	0576-89988888
		Date	2023/10/26
Project Name		Client Name	Spaceport
		Client Addr.	Куйбышева 95 Б
Item NO		Contacts	
		Contact	

