

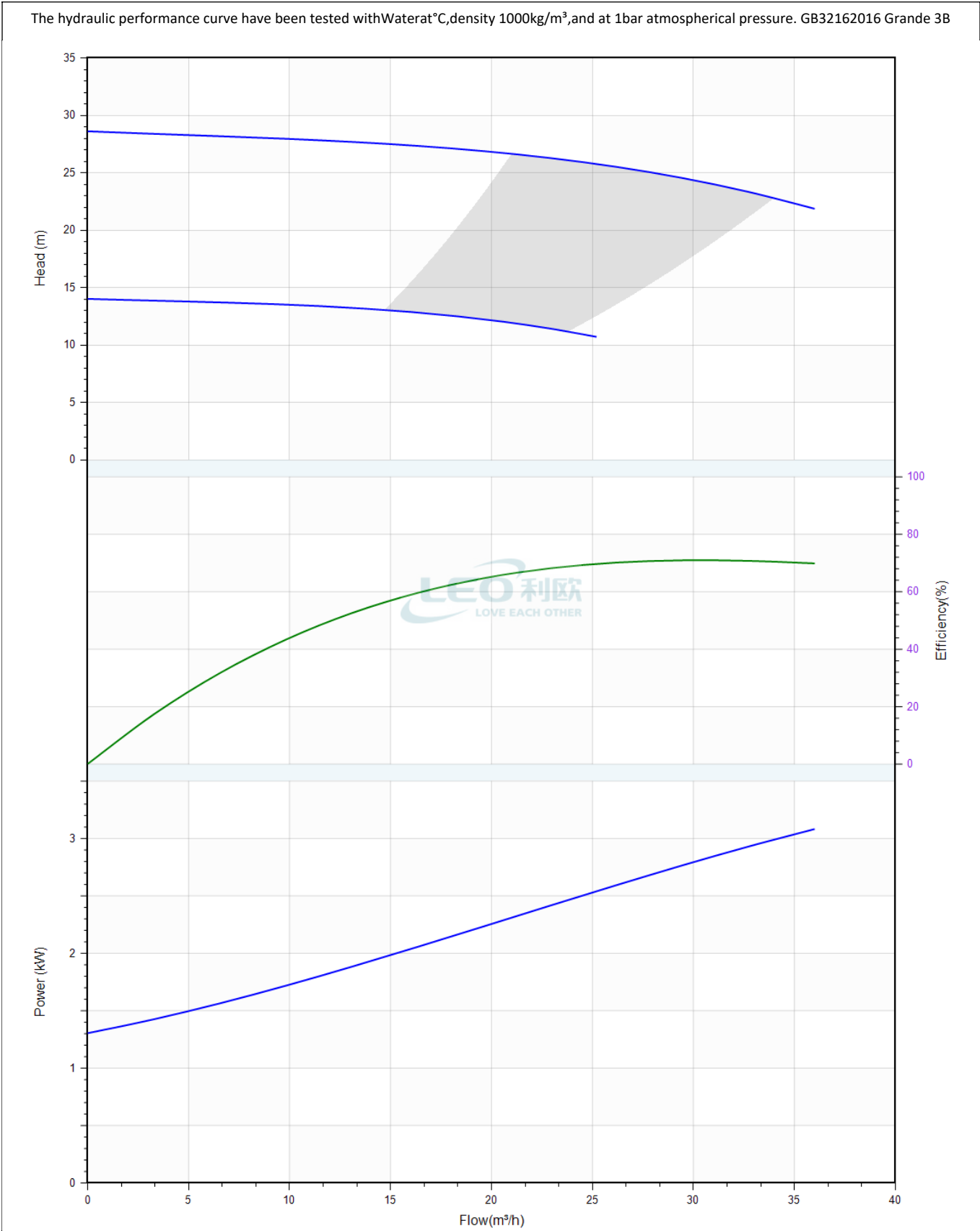
	Product Information LPP50-24-3/2	Manufacturer	LEO
		Address	China,Zhejiang,Wenling
		Contact	0576-89988888
		Date	2023/10/23
Project Name		Client Name	Spaceport
		Client Addr.	Куйбышева 95 Б
Item NO		Contacts	
		Contact	

Part NO.	LPP50-24-3/2		
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	30 m³/h		
head	24 m		
speed	2900 rpm		
number of stages	1		
Technical			
Curve tolerance	IS09906 AnnexA		
Maximum lift (m)	29		
Minimum usage flow (m³/ h)	3		
Maximum use flow (m³/ h)	36		
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)	3KW		
Frequency	50		
Rated voltage (V)	380		
Rated current (A)	6.01505528040988		
Efficiency class	IE3		
Power factor	0.87		

	Product Information LPP50-24-3/2	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	

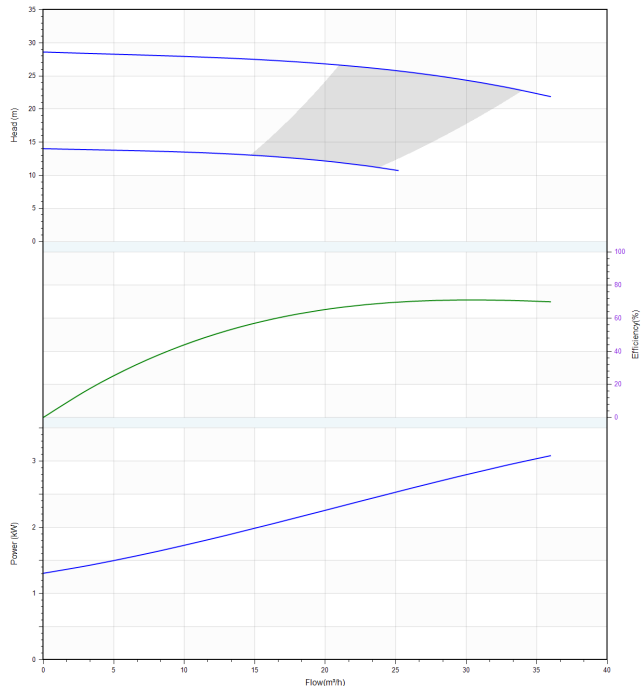
Drive end bearing	6206
Non-drive end bearing	6206
Efficiency (%)	87.1
Weight/Packaging	
Gross weight (kg)	72.6
Package size	735*405*350
	

	Performance Curve LPP50-24-3/2	Manufacturer	LEO
		Address	China,Zhejiang,Wenling
		Contact	0576-89988888
		Date	2023/10/23
Project Name		Client Name	Spaceport
Item NO		Client Addr.	Куйбышева 95 Б
		Contacts	
		Contact	



	Pump Technical Parameters LPP50-24-3/2	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	

Rated parameters	
Pump model	LPP50-24-3/2
Part NO.	LPP50-24-3/2
Rated flow	30 m³/h
Rated head	24 m
Rated efficiency (%)	70
Power (kW)	2.8
Speed (rpm)	2900
Max impeller diameter (mm)	146
Medium	
Pumped medium	Water
Working temperature (°C)	20
Medium density (kg/m³)	1000
Viscosity (mm²/s)	1

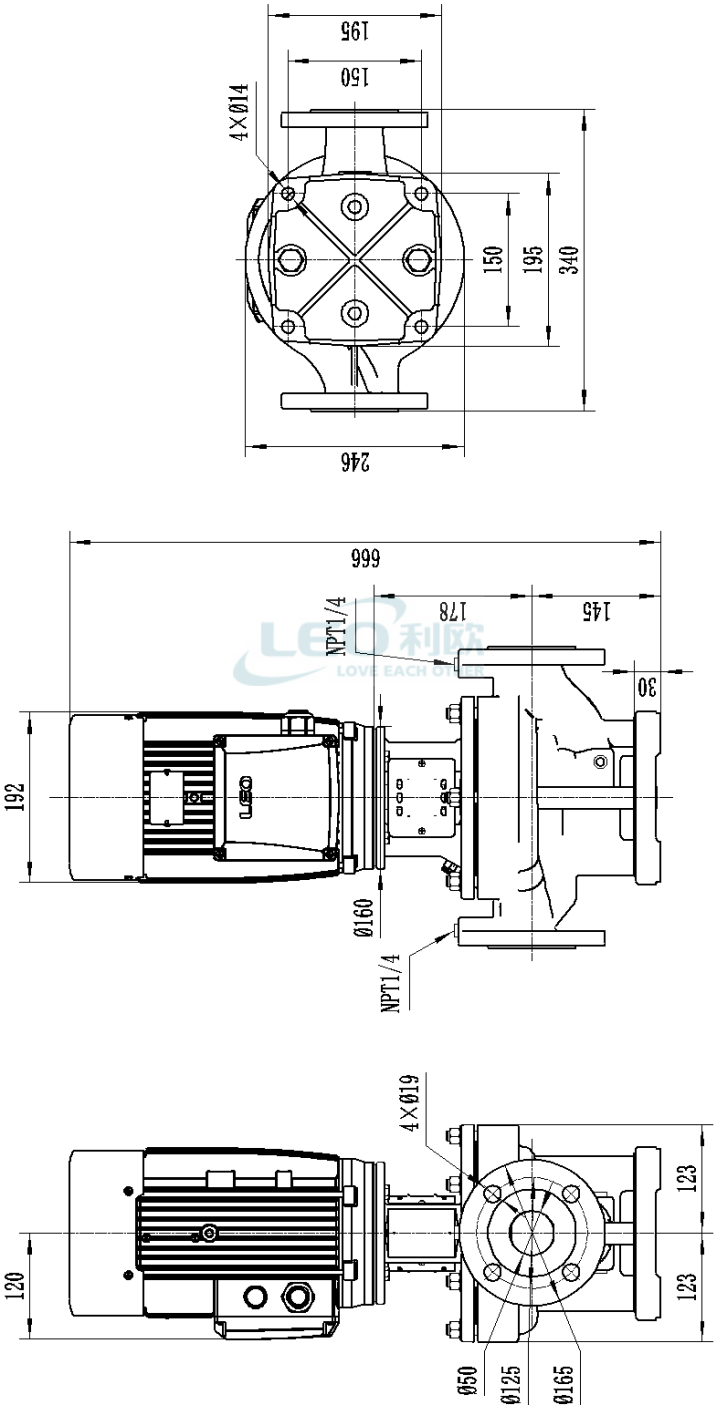


The graph displays three performance metrics against flow rate (m³/h) from 0 to 40. The top y-axis represents Head (m) from 0 to 35. The bottom left y-axis represents Power (kW) from 0 to 3. The bottom right y-axis represents Efficiency (%) from 0 to 100. The head curve (blue) starts at approximately 28 m at 0 m³/h and decreases to about 22 m at 35 m³/h. The efficiency curve (green) starts at 0% at 0 m³/h, rises to a peak of about 70% at 30 m³/h, and then slightly decreases. The power curve (blue) starts at approximately 1.5 kW at 0 m³/h and increases linearly to about 3.0 kW at 35 m³/h. A shaded gray region is bounded by the head curve, the efficiency curve, and a vertical line at 25 m³/h.

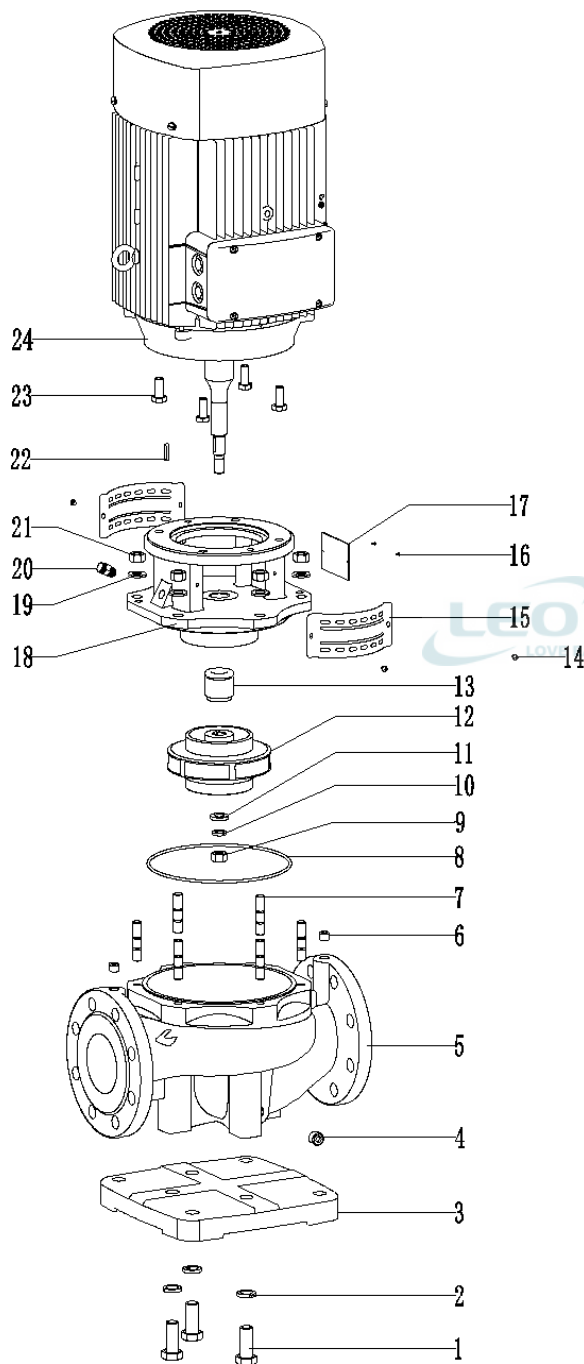
Flow (m³/h)	Head (m)	Efficiency (%)	Power (kW)
0	28	0	1.5
5	27.5	10	1.6
10	27	25	1.7
15	26.5	45	1.8
20	26	60	1.9
25	25.5	68	2.0
30	25	70	2.1
35	24	68	2.2



	Installation picture LPP50-24-3/2	Manufacturer	LEO
		Address	China,Zhejiang,Wenling
		Contact	0576-89988888
		Date	2023/10/23
Project Name		Client Name	Spaceport
Item NO		Client Addr.	Куйбышева 95 Б
		Contacts	
		Contact	



	Structure picture LPP50-24-3/2	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	



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 LPP50-24-3/2	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	

