

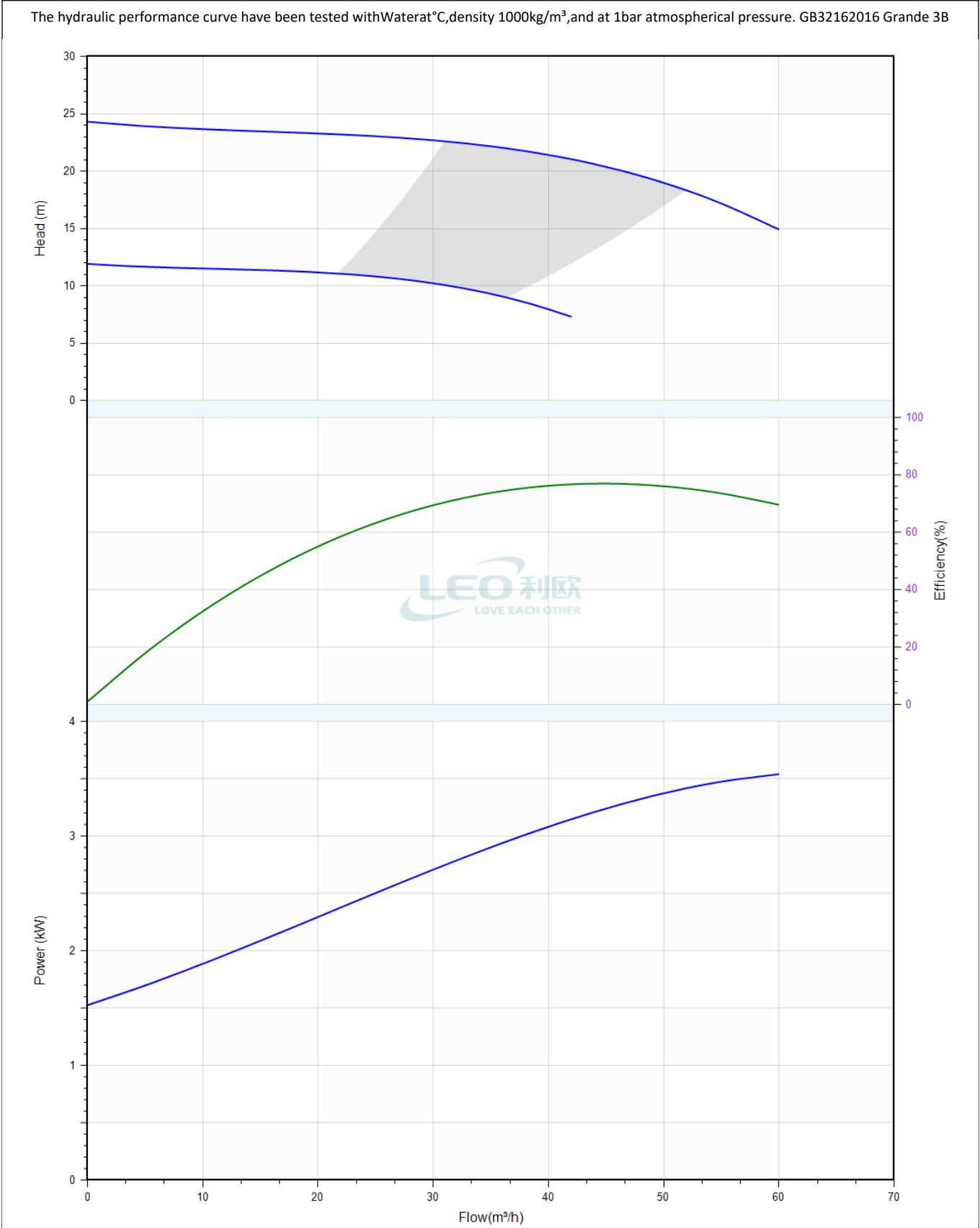
	Product Information LPP65-21-4/2	Manufacturer	LEO
		Address	China,Zhejiang,Wenling
		Contact	0576-89988888
		Date	2023/10/23
Project Name		Client Name	Spaceport
		Client Addr.	Куйбышева 95 Б
Item NO		Contacts	
		Contact	

Part NO.	LPP65-21-4/2		
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	45 m³/h		
head	21 m		
speed	2900 rpm		
number of stages	1		
Technical			
Curve tolerance	ISO9906 AnnexA		
Maximum lift (m)	24		
Minimum usage flow (m³/ h)	5		
Maximum use flow (m³/ h)	60		
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	DN65		
Connection standard	DIN		
Motor			
Motor phase	Three phase		
Protection class	IP55		
Motor poles	2		
Insulation class	F		
Motor power (KW)	4KW		
Frequency	50		
Rated voltage (V)	380		
Rated current (A)	7.83893722669865		
Efficiency class	IE3		
Power factor	0.88		

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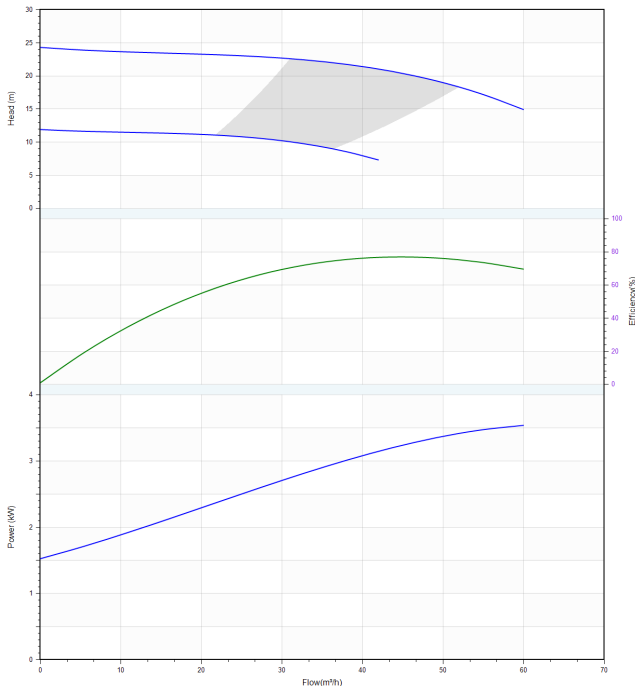
Drive end bearing	6206
Non-drive end bearing	6206
Efficiency (%)	88.1
Weight/Packaging	
Gross weight (kg)	92.6
Package size	735*405*350
	

	Performance Curve LPP65-21-4/2	Manufacturer	LEO
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	Pump Technical Parameters LPP65-21-4/2	Manufacturer	LEO
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Rated parameters	
Pump model	LPP65-21-4/2
Part NO.	LPP65-21-4/2
Rated flow	45 m³/h
Rated head	21 m
Rated efficiency (%)	77
Power (kW)	3.34
Speed (rpm)	2900
Max impeller diameter (mm)	145
Medium	
Pumped medium	Water
Working temperature (°C)	20
Medium density (kg/m³)	1000
Viscosity (mm²/s)	1

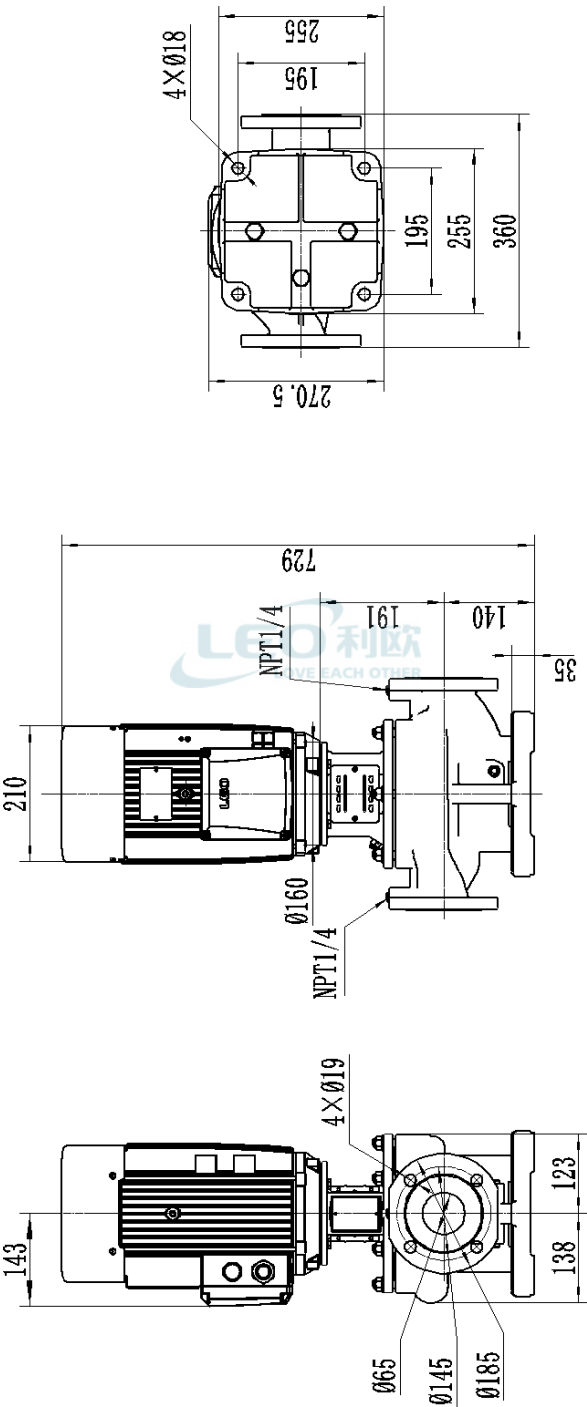


The graph displays three performance metrics against flow rate (m³/h) for the LPP65-21-4/2 pump. The top panel shows Head (m) on the left y-axis (0 to 30) and Efficiency (%) on the right y-axis (0 to 100). The middle panel shows Efficiency (%) on the right y-axis (0 to 100). The bottom panel shows Power (kW) on the left y-axis (0 to 3). The x-axis represents Flow (m³/h) from 0 to 70. A shaded region indicates the operating range, bounded by a blue line (Head) and a green line (Efficiency). The blue line starts at approximately 24 m head at 0 m³/h and decreases to about 15 m head at 60 m³/h. The green line starts at approximately 4% efficiency at 0 m³/h and increases to about 77% efficiency at 45 m³/h. The shaded region is bounded by a blue line (Head) and a green line (Efficiency). The blue line starts at approximately 24 m head at 0 m³/h and decreases to about 15 m head at 60 m³/h. The green line starts at approximately 4% efficiency at 0 m³/h and increases to about 77% efficiency at 45 m³/h.

Flow (m³/h)	Head (m)	Efficiency (%)	Power (kW)
0	24	4	1.5
10	23.5	10	1.7
20	23	20	1.9
30	22	35	2.1
40	21	50	2.3
45	20.5	77	2.5
50	19.5	75	2.6
60	15	70	2.8



	Installation picture LPP65-21-4/2	Manufacturer	LEO
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	Physical picture LPP65-21-4/2	Manufacturer	LEO
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