

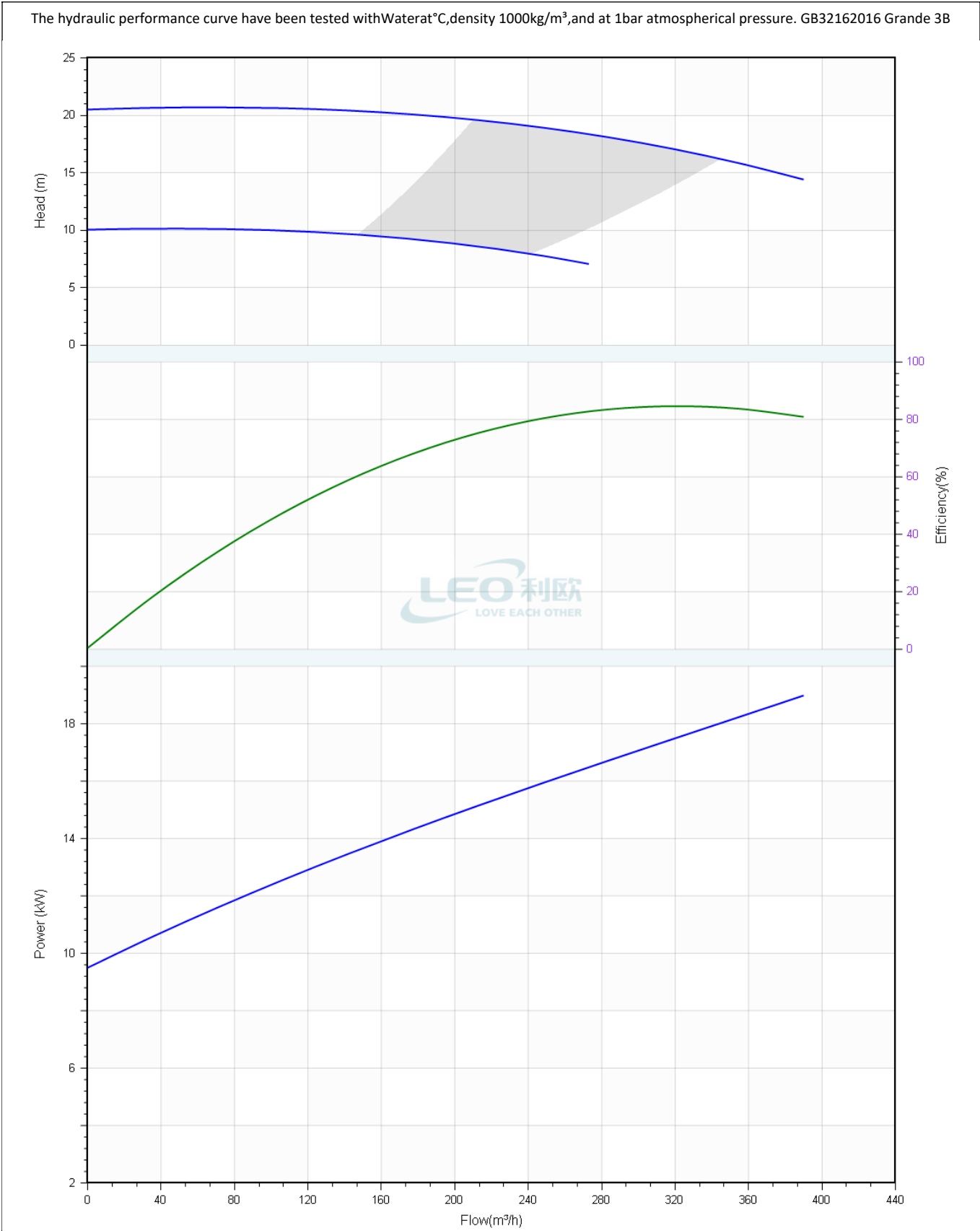
	Product Information LPP200-18-18.5/4	Manufacturer	LEO
		Address	China,Zhejiang,Wenling
		Contact	0576-89988888
		Date	2023/10/26
Project Name		Client Name	Spaceport
		Client Addr.	Куйбышева 95 Б
Item NO		Contacts	
		Contact	

Part NO.	LPP200-18-18.5/4		
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	300 m³/h		
head	18 m		
speed	1480 rpm		
number of stages	1		
Technical			
Curve tolerance	IS09906 AnnexA		
Maximum lift (m)	20		
Minimum usage flow (m³/ h)	30		
Maximum use flow (m³/ h)	390		
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	DN200		
Connection standard	DIN		
Motor			
Motor phase	Three phase		
Protection class	IP55		
Motor poles	4		
Insulation class	F		
Motor power (KW)	18.5KW		
Frequency	50		
Rated voltage (V)	380		
Rated current (A)	35.2953966116537		
Efficiency class	IE3		
Power factor	0.86		

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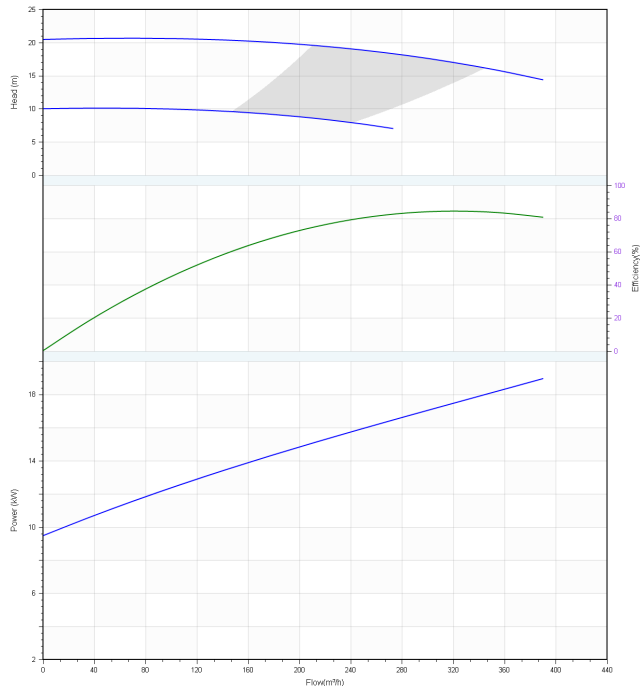
Drive end bearing	7311
Non-drive end bearing	6311
Efficiency (%)	92.6
Weight/Packaging	
Gross weight (kg)	436
Package size	/
	

	Performance Curve LPP200-18-18.5/4	Manufacturer	LEO
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	Pump Technical Parameters LPP200-18-18.5/4	Manufacturer	LEO
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Rated parameters	
Pump model	LPP200-18-18.5/4
Part NO.	LPP200-18-18.5/4
Rated flow	300 m³/h
Rated head	18 m
Rated efficiency (%)	85
Power (kW)	17.3
Speed (rpm)	1480
Max impeller diameter (mm)	255
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 LPP200-18-18.5/4 pump. The x-axis represents Flow in m³/h, ranging from 0 to 440. The left y-axis represents Head in meters (m), ranging from 0 to 25. The right y-axis represents Efficiency in percent (%), ranging from 0 to 100. The bottom y-axis represents Power in kilowatts (kW), ranging from 2 to 20. The blue curve shows the head decreasing from approximately 21 m at 0 m³/h to 15 m at 380 m³/h. The green curve shows efficiency increasing from 0% at 0 m³/h to a peak of 85% at 300 m³/h, then slightly decreasing. The blue curve shows power increasing from approximately 10 kW at 0 m³/h to 18 kW at 380 m³/h. A shaded gray region is present between the head and efficiency curves, indicating the operating range.

Flow (m³/h)	Head (m)	Efficiency (%)	Power (kW)
0	21	0	10
40	20.5	10	11
80	20	25	12
120	19.5	45	13
160	19	65	14
200	18.5	80	15
240	18	85	16
280	17.5	85	17
320	17	85	17.5
360	16.5	85	18
380	15	85	18



	Structure picture LPP200-18-18.5/4	Manufacturer	LEO
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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 LPP200-18-18.5/4	Manufacturer	LEO
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