

	Product Information LPP65-40-11/2	Manufacturer	LEO
		Address	China,Zhejiang,Wenling
		Contact	0576-89988888
		Date	2024/04/23
Project Name		Client Name	Heatinvest
		Client Addr.	
Item NO		Contacts	
		Contact	

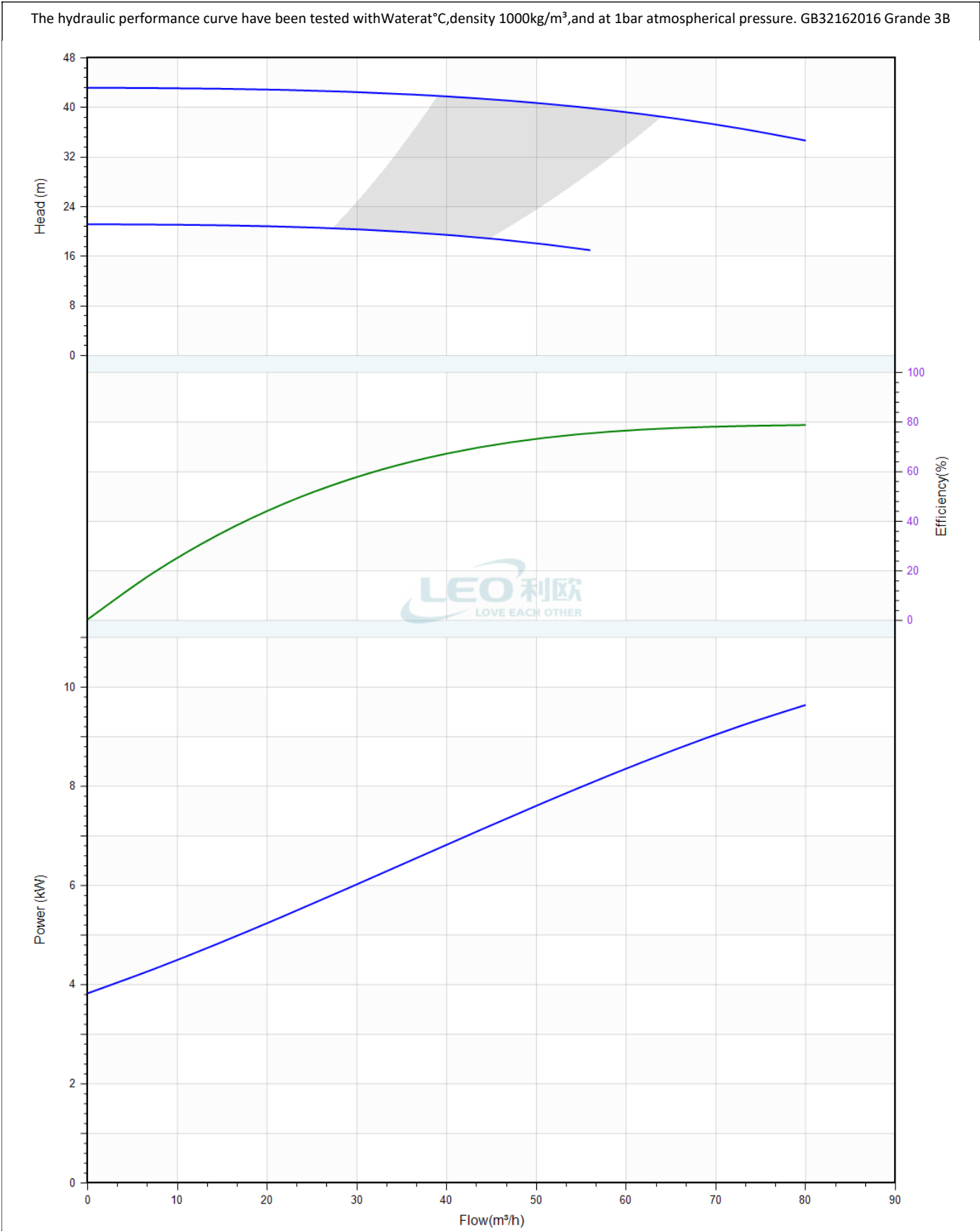
Part NO.	LPP65-40-11/2	
Product Picture	Note	
	This series products are vertical in-line centrifugal pump. Standard configuration Mechanical seal standard motor. In daily maintenance the motor and impeller can be removed from the pump body for the maintenance and repair no need to remove pump body from 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	56 m³/h
head	40 m
speed	2950 rpm
number of stages	1
Technical	
Curve tolerance	ISO9906 AnnexA
Maximum lift (m)	43
Minimum usage flow (m³/ h)	6
Maximum use flow (m³/ h)	80
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)	11KW
Frequency	50
Rated voltage (V)	380
Rated current (A)	20.5903446506826
Efficiency class	IE3
Power factor	0.89

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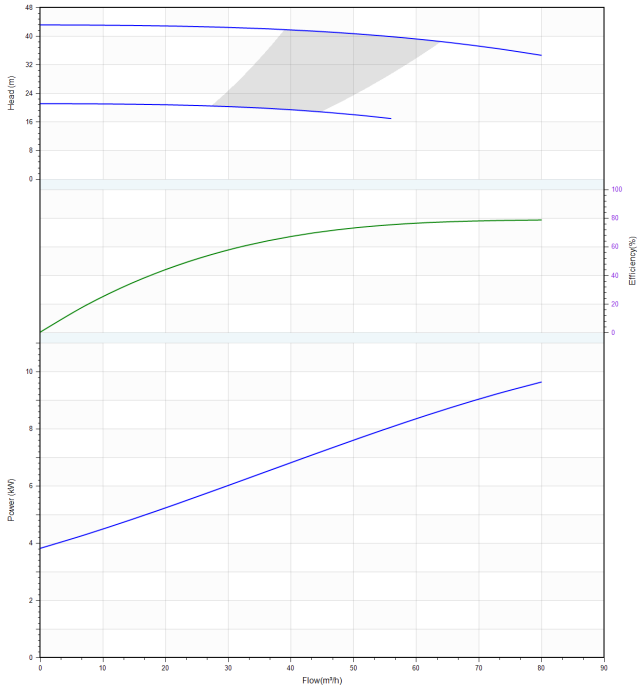
Drive end bearing	7309
Non-drive end bearing	6208
Efficiency (%)	91.2
Weight/Packaging	
Gross weight (kg)	198
Package size	1030*545*640
	

	Performance Curve LPP65-40-11/2	Manufacturer	LEO
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	Pump Technical Parameters LPP65-40-11/2	Manufacturer	LEO
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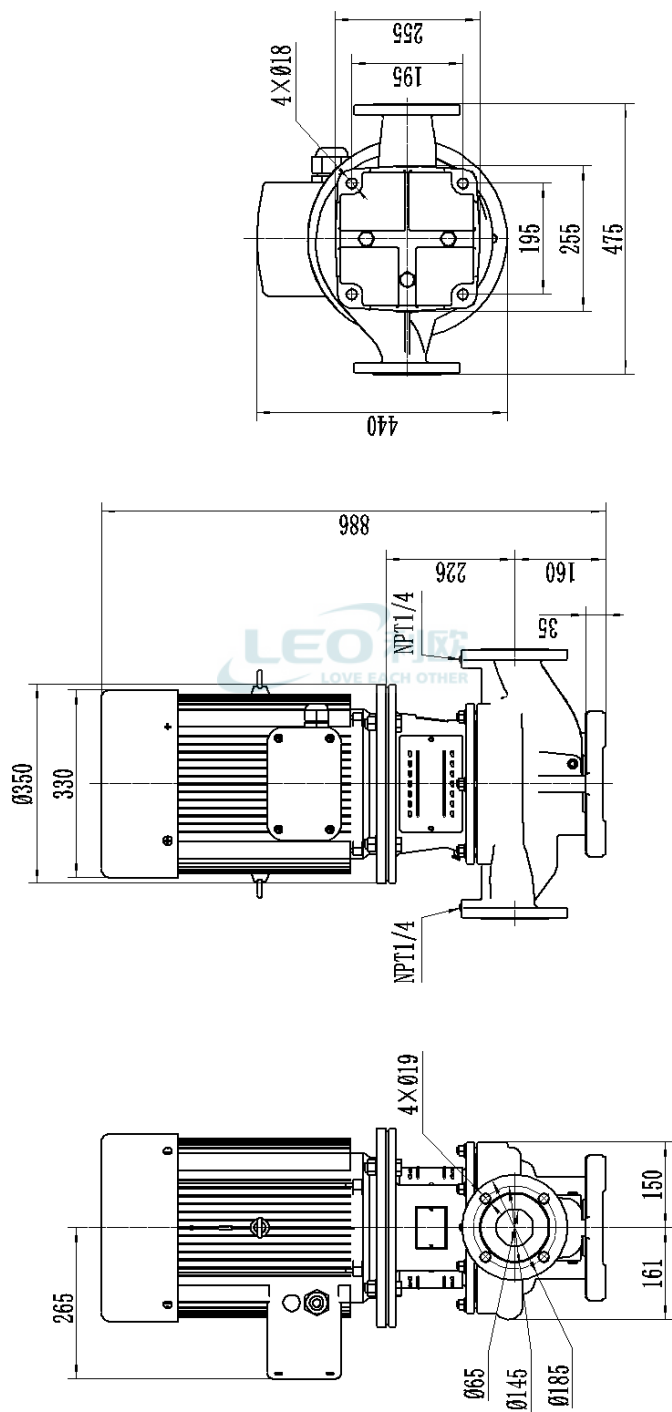
Rated parameters	
Pump model	LPP65-40-11/2
Part NO.	LPP65-40-11/2
Rated flow	56 m³/h
Rated head	40 m
Rated efficiency (%)	75.3
Power (kW)	8.11
Speed (rpm)	2950
Max impeller diameter (mm)	182
Medium	
Pumped medium	Water
Working temperature (°C)	20
Medium density (kg/m³)	1000
Viscosity (mm²/s)	1



The graph displays three performance metrics against flow rate (m³/h) from 0 to 90. The top curve represents Head (m), starting at approximately 40m and decreasing to about 32m at 80 m³/h. The middle curve represents Efficiency (%), starting at 0% and rising to a peak of about 75% at 60 m³/h before slightly declining. The bottom curve represents Power (kW), starting at approximately 4 kW and increasing linearly to about 10 kW at 80 m³/h. A shaded gray region is bounded by the head curve, the efficiency curve, and a vertical line at approximately 60 m³/h.



	Installation picture LPP65-40-11/2	Manufacturer	LEO
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	Structure picture LPP65-40-11/2	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 LPP65-40-11/2	Manufacturer	LEO
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