

	Product Information LPP80-60-15/2	Manufacturer	LEO
		Address	China,Zhejiang,Wenling
		Contact	0576-89988888
		Date	2024/04/23
Project Name		Client Name	Heatinvest
		Client Addr.	
Item NO		Contacts	
		Contact	

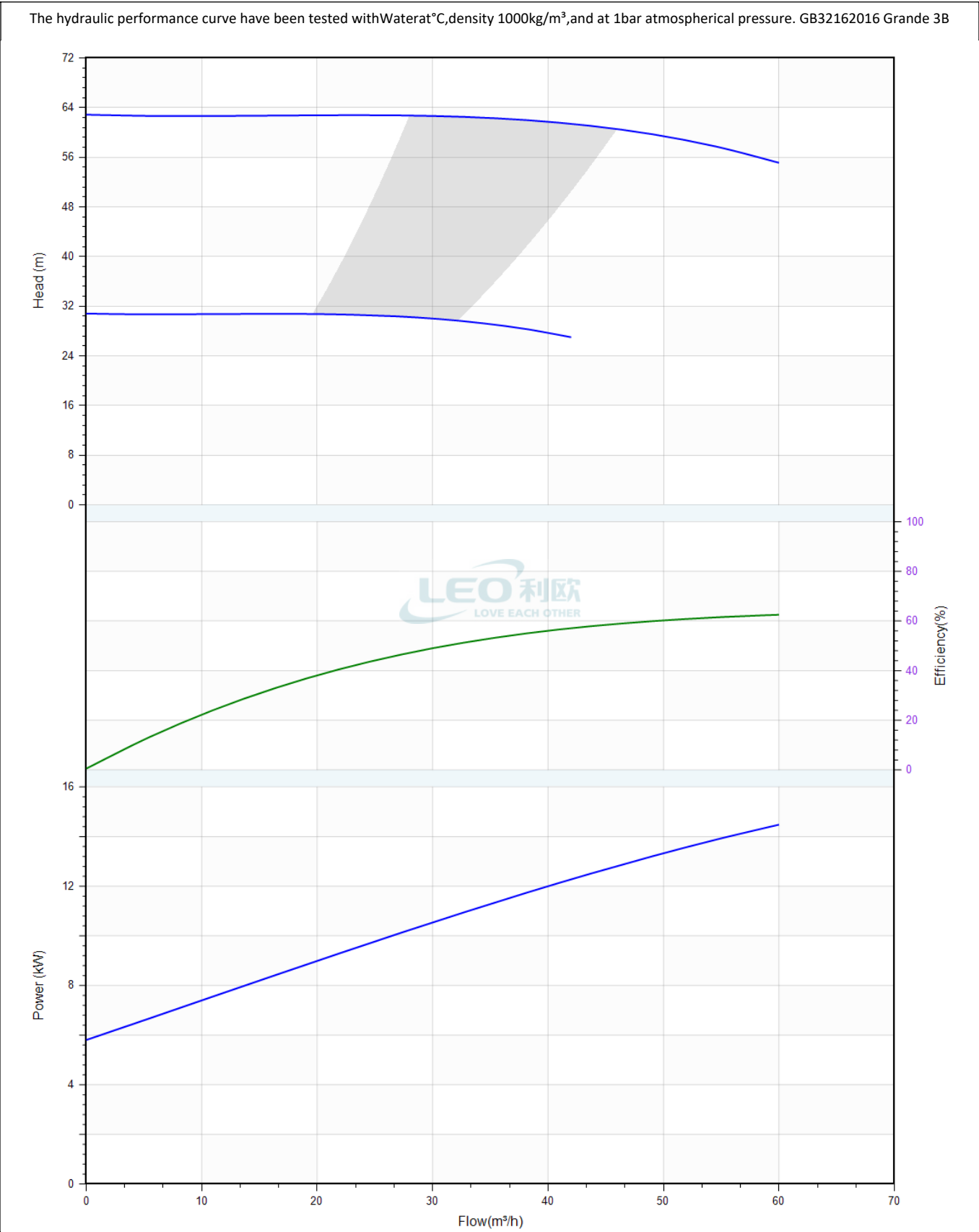
Part NO.	LPP80-60-15/2		
Product Picture		Note	
		This series products are vertical in-line centrifugal pump. Standard configuration Mechanical seal standard motor. In daily maintenance the motor and impeller can be removed from the pump body for the maintenance and repair no need to remove pump body 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	40 m³/h
head	60 m
speed	2950 rpm
number of stages	1
Technical	
Curve tolerance	IS09906 AnnexA
Maximum lift (m)	63
Minimum usage flow (m³/ h)	4
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	DN80
Connection standard	DIN
Motor	
Motor phase	Three phase
Protection class	IP55
Motor poles	2
Insulation class	F
Motor power (KW)	15KW
Frequency	50
Rated voltage (V)	380
Rated current (A)	27.863875241996
Efficiency class	IE3
Power factor	0.89

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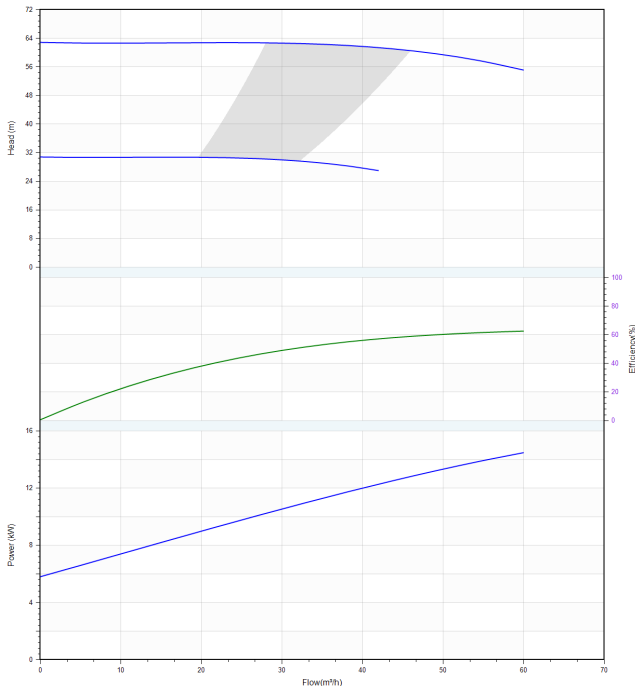
Drive end bearing	7309
Non-drive end bearing	6208
Efficiency (%)	91.9
Weight/Packaging	
Gross weight (kg)	200
Package size	1080*610*650
	

	Performance Curve LPP80-60-15/2	Manufacturer	LEO
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	Pump Technical Parameters LPP80-60-15/2	Manufacturer	LEO
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Rated parameters	
Pump model	LPP80-60-15/2
Part NO.	LPP80-60-15/2
Rated flow	40 m³/h
Rated head	60 m
Rated efficiency (%)	56
Power (kW)	11.7
Speed (rpm)	2950
Max impeller diameter (mm)	225
Medium	
Pumped medium	Water
Working temperature (°C)	20
Medium density (kg/m³)	1000
Viscosity (mm²/s)	1

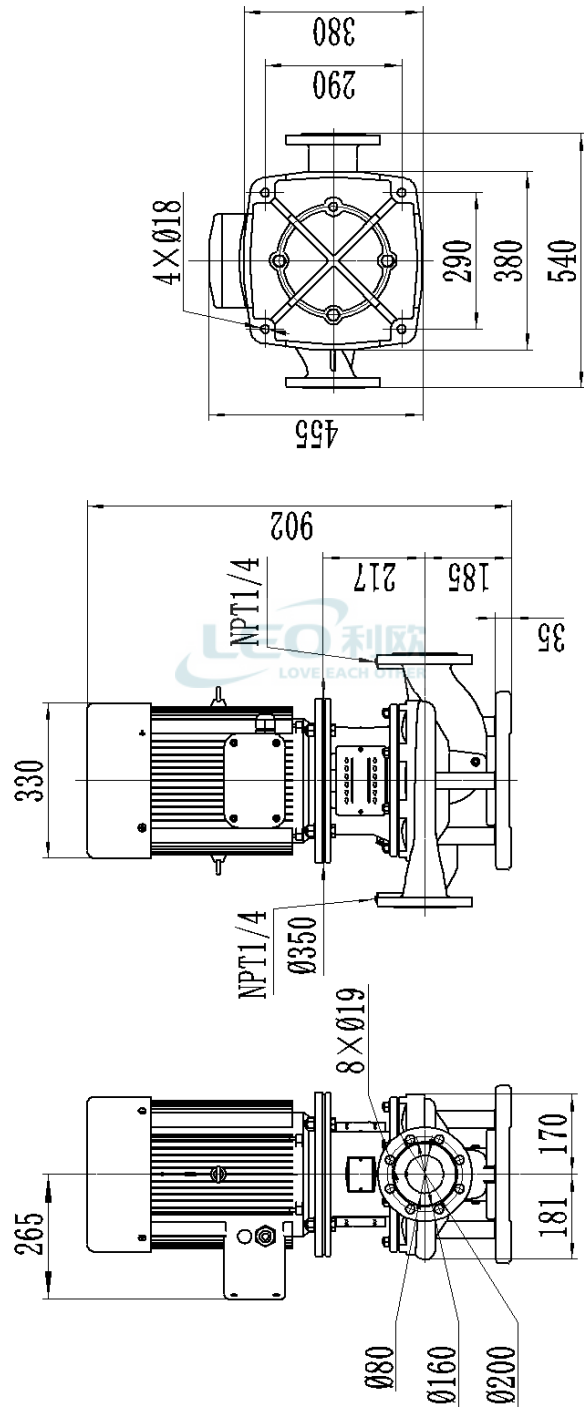


The graph displays three performance metrics for the LPP80-60-15/2 pump against flow rate (m³/h) from 0 to 70. The top curve represents Head (m), starting at 60m and decreasing to approximately 56m at 60 m³/h. The middle curve represents Efficiency (%), starting at 0% and increasing to approximately 56% at 60 m³/h. The bottom curve represents Power (kW), starting at 0kW and increasing to approximately 11.7kW at 60 m³/h. A shaded gray region indicates the operating range between approximately 25 and 45 m³/h flow and 30 to 60m head.

Flow (m³/h)	Head (m)	Efficiency (%)	Power (kW)
0	60	0	0
10	59.5	10	2.5
20	59	20	4.5
30	58.5	30	6.5
40	58	40	8.5
50	57.5	50	10.5
60	56	56	11.7

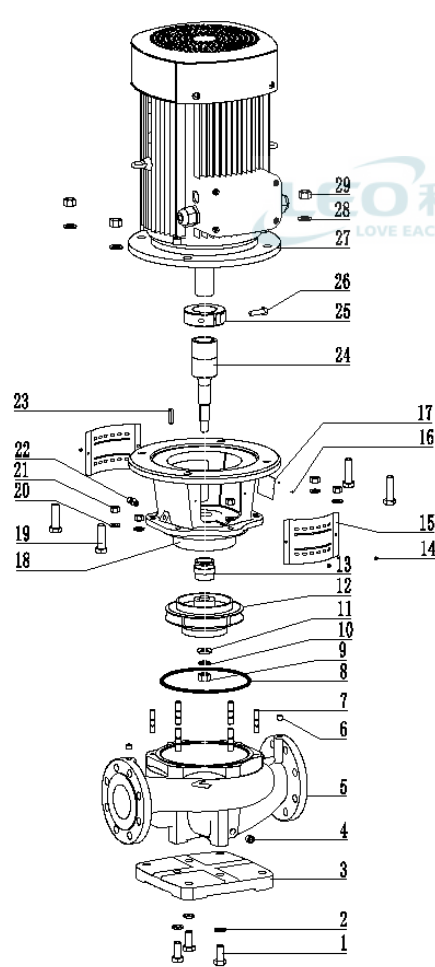


	Installation picture LPP80-60-15/2	Manufacturer	LEO
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	Structure picture LPP80-60-15/2	Manufacturer	LEO
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LPP



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 LPP80-60-15/2	Manufacturer	LEO
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