

	Product Information LPP250-40-110/4	Manufacturer	LEO
		Address	China,Zhejiang,Wenling
		Contact	0576-89988888
		Date	2024/02/19
Project Name		Client Name	Heatinvest
		Client Addr.	
Item NO		Contacts	
		Contact	

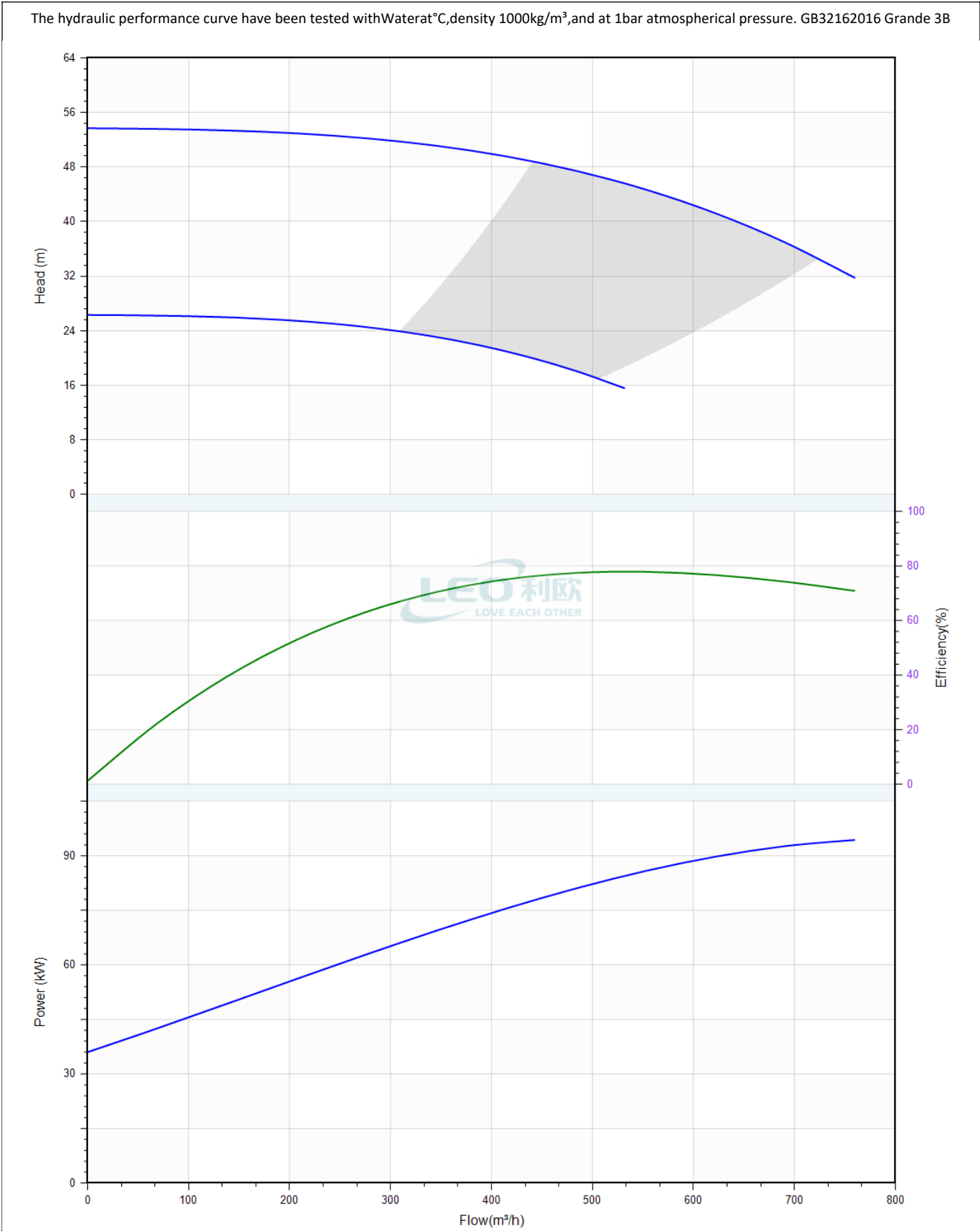
Part NO.	LPP250-40-110/4	
Product Picture	Note	
	This series products are vertical in-line centrifugal pump. Standard configuration Mechanical seal standard motor. In daily maintenance the motor and impeller can be removed from the pump body for the maintenance and repair no need to remove pump body 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	630 m ³ /h
head	40 m
speed	1480 rpm
number of stages	1
Technical	
Curve tolerance	IS09906 AnnexA
Maximum lift (m)	53
Minimum usage flow (m ³ / h)	63
Maximum use flow (m ³ / h)	760
Material	
Impeller	QT400
Pump inlet	HT200
Pump shaft	2Cr13
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	DN250
Connection standard	DIN
Motor	
Motor phase	Three phase
Protection class	IP55
Motor poles	4
Insulation class	F
Motor power (KW)	110KW
Frequency	50
Rated voltage (V)	380
Rated current (A)	196.838514899607
Efficiency class	IE3
Power factor	0.89

	Product Information LPP250-40-110/4	Manufacturer	LEO
		Address	China,Zhejiang,Wenling
		Contact	0576-89988888
		Date	2024/02/19
Project Name		Client Name	Heatinvest
		Client Addr.	
Item NO		Contacts	
		Contact	

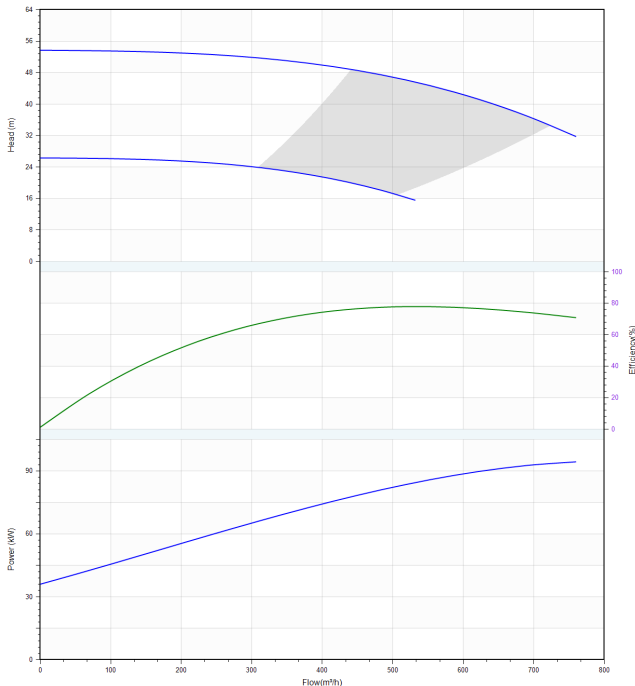
Drive end bearing	7319
Non-drive end bearing	6319
Efficiency (%)	95.4
Weight/Packaging	
Gross weight (kg)	1548
Package size	/
	

	Performance Curve LPP250-40-110/4	Manufacturer	LEO
		Address	China,Zhejiang,Wenling
		Contact	0576-89988888
		Date	2024/02/19
Project Name		Client Name	Heatinvest
Item NO		Client Addr.	
		Contacts	
		Contact	



	Pump Technical Parameters LPP250-40-110/4	Manufacturer	LEO
		Address	China,Zhejiang,Wenling
		Contact	0576-89988888
		Date	2024/02/19
Project Name		Client Name	Heatinvest
Item NO		Client Addr.	
		Contacts	
		Contact	

Rated parameters	
Pump model	LPP250-40-110/4
Part NO.	LPP250-40-110/4
Rated flow	630 m³/h
Rated head	40 m
Rated efficiency (%)	78
Power (kW)	88
Speed (rpm)	1480
Max impeller diameter (mm)	403
Medium	
Pumped medium	Water
Working temperature (°C)	20
Medium density (kg/m³)	1000
Viscosity (mm²/s)	1

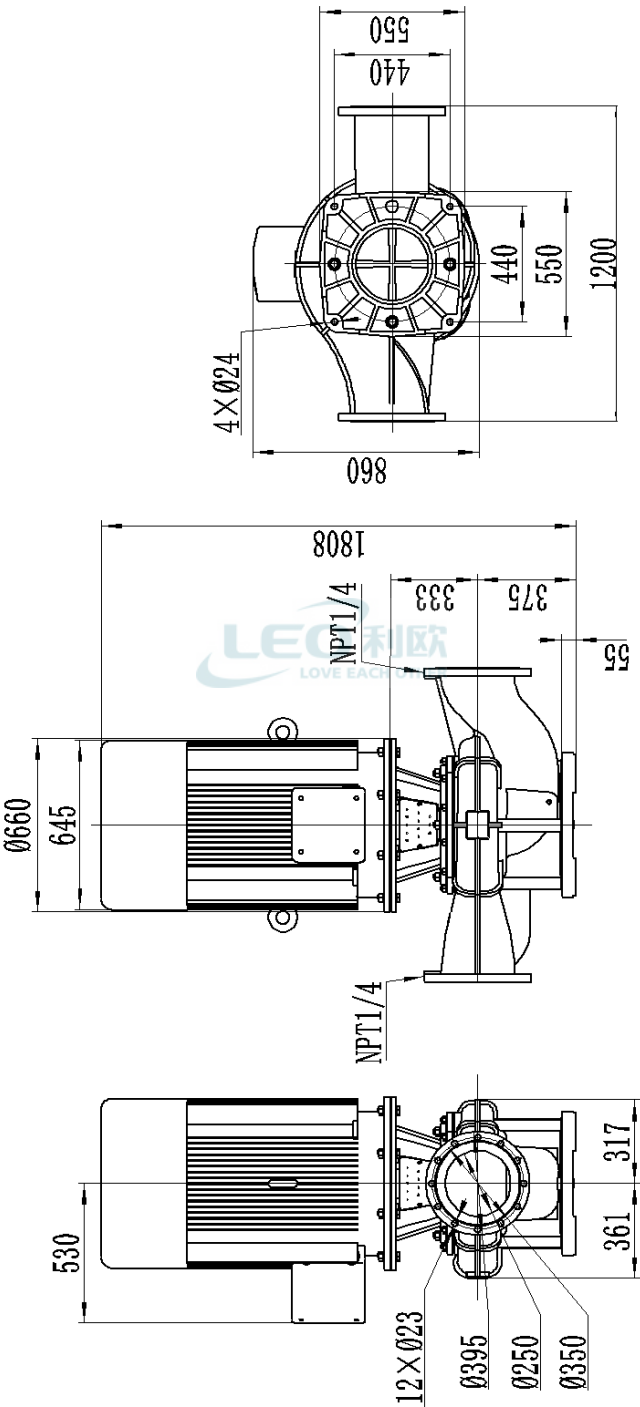


The graph displays three performance metrics for the LPP250-40-110/4 pump against flow rate (m³/h) from 0 to 800. The top panel shows Head (m) on the left y-axis (0 to 60), with a blue curve starting at ~48m and ending at ~30m. A grey shaded region indicates the operating range, peaking around 40m head at 630 m³/h. The middle panel shows Efficiency (%) on the right y-axis (0 to 100), with a green curve starting at ~10% and peaking at ~80% around 500 m³/h. The bottom panel shows Power (kW) on the left y-axis (0 to 90), with a blue curve starting at ~35kW and rising to ~88kW at 750 m³/h.

Flow (m³/h)	Head (m)	Efficiency (%)	Power (kW)
0	48	10	35
100	47	25	40
200	46	45	45
300	45	60	50
400	43	75	55
500	40	80	60
600	38	78	65
700	35	75	70
750	30	72	88

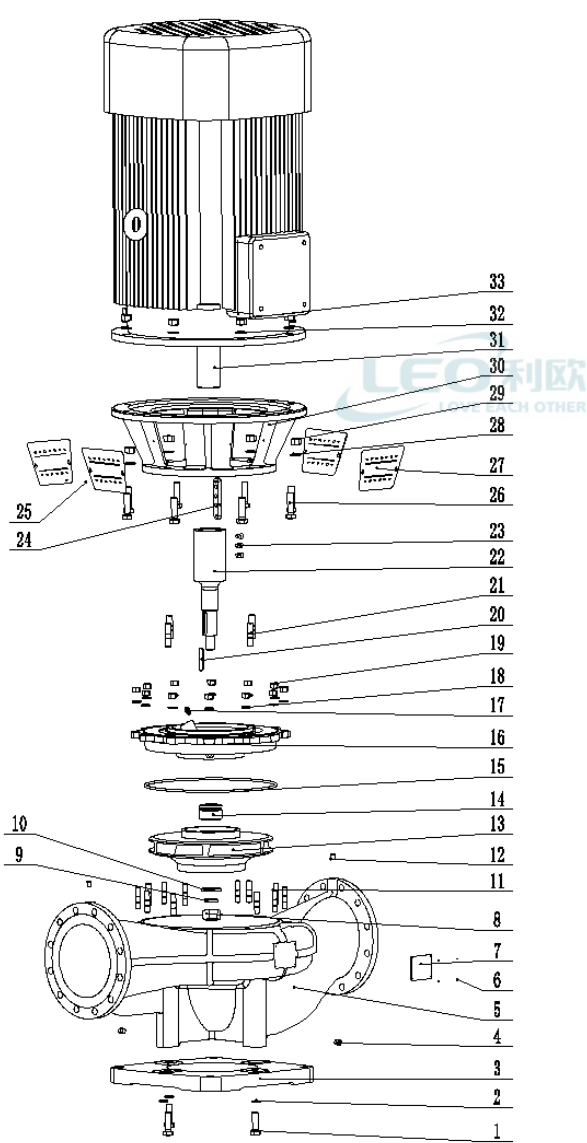


	Installation picture LPP250-40-110/4	Manufacturer	LEO
		Address	China,Zhejiang,Wenling
		Contact	0576-89988888
		Date	2024/02/19
Project Name		Client Name	Heatinvest
Item NO		Client Addr.	
		Contacts	
		Contact	



	Structure picture LPP250-40-110/4	Manufacturer	LEO
		Address	China,Zhejiang,Wenling
		Contact	0576-89988888
		Date	2024/02/19
Project Name		Client Name	Heatinvest
		Client Addr.	
Item NO		Contacts	
		Contact	

LPP



33	Hex nut	
32	Washer	
31	Motor	
30	Motor frame	HT200
29	Hex nut	
28	Washer	
27	Guard plate	304
26	Hex head bolt	
25	Screw	
24	Key	304
23	Screw	
22	Pump shaft	304/45
21	Double-head stud	
20	Key	304
19	Hex nut	
18	Washer	
17	Release valve	HPb59-1
16	Pump cover	HT200
15	O-ring	NBR
14	Mechanical seal	SiC/C
13	Impeller	HT200
12	Hexagonal socket head plug	
11	Double-head stud A type	
10	Washer	2Cr13
9	Spring washer	304
8	Hex nut	304
7	Nameplate	
6	Rivet	
5	Pump body	HT200
4	Hexagonal socket head plug	HT200
3	Baseplate	HT200
2	Spring washer	
1	Hex head bolt	
No.	Part	Material

	Physical picture LPP250-40-110/4	Manufacturer	LEO
		Address	China,Zhejiang,Wenling
		Contact	0576-89988888
		Date	2024/02/19
		Client Name	Heatinvest
Project Name		Client Addr.	
Item NO		Contacts	
		Contact	

