

	Product Information LVR120-3-2	Manufacturer	LEO
		Address	China,Zhejiang,Wenling
		Contact	0576-89988888
		Date	2023/10/20
Project Name		Client Name	Spaceport
		Client Addr.	Куйбышева 95 Б
Item NO		Contacts	
		Contact	

Part NO.	LVR()120-3-2		
Product Picture		Note	
		LVR series verrtical multistage centrifugal pump is applicable to transfer liquids without solid particles<0.2mm and fiberslow viscositynon-inflammable non-explosive and not easy vaporization. Widely used in high-rise building water supply and drainageWater filtration and transportation, pipeline pressurization. High pressure flushing and cleaning system. Boiler feed water, cooling water circulation, water treatment system and other equipment supporting system. Ultrafiltration system, reverse osmosis system, distillation system, separator, swimming pool and other water treatment systems. Irrigation and drip irrigation systems in agriculture. food and beverage and fire fighting systems.	
Nameplate parameters			
flow	120 m³/h		
head	49 m		
speed	2950 rpm		
number of stages	3		
Technical			
Flow range (m³/h)	60-150m3/h		
Curve tolerance	ISO 9906 Annex A		
Head range (m)			
Material			
Impeller	AISI 304		
Diffuser	AISI 304		
Pump shaft	AISI 304		
Pump flange	ZG35		
Motor base	ZG35		
Coupling	QT400		
Pump barrel	AISI 304		
Working conditions			
Medium temperature (°C)	-20°C ~ +120°C		
Max. ambient temperature (°C)	+40°C		
Pumped medium	Clean water		
Working pressure	20bar		
Maximum inlet pressure	15bar		
Installation			
Connection method	DIN flange		
Inlet / outlet dia.	D125		
Motor			
Motor phase	Three phase		
Protection class	IP55		
Motor poles	2		
Insulation class	F		
Motor power (KW)	30Kw		
Motor model	IE2-200L-4		
Frequency	50Hz		
Rated voltage (V)	380V		

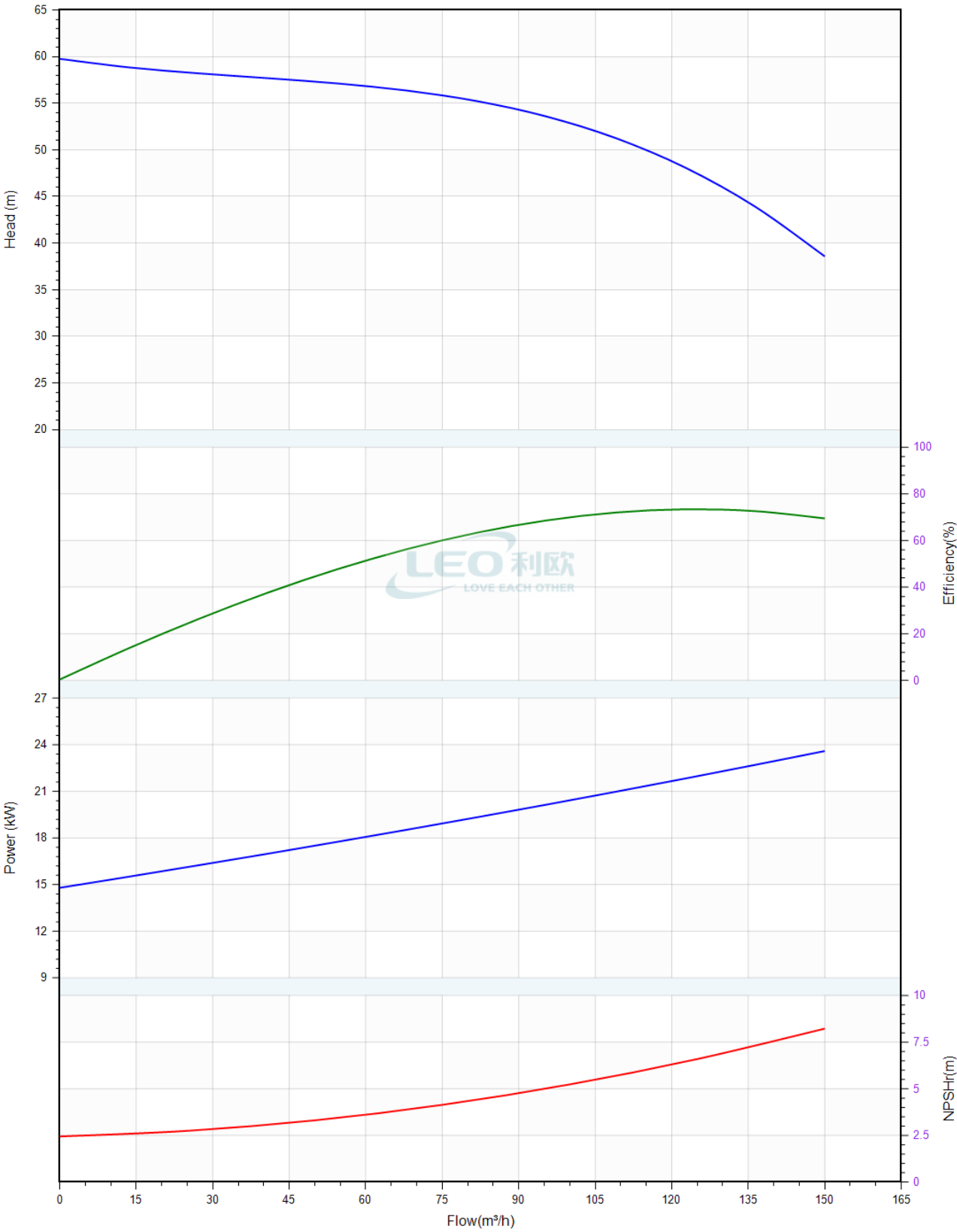
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Rated current (A)	57.4A
Efficiency class	IE2\\IE3
Power factor	0.86
Efficiency (%)	
Weight/Packaging	
Net weight (kg)	326
Gross weight (kg)	348
Package size	1922*542*695mm



	Performance Curve LVR120-3-2	Manufacturer	LEO
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The hydraulic performance curve have been tested with Water at $^{\circ}\text{C}$, density 1000kg/m^3 , and at 1 bar atmospherical pressure. GB32162016 Grande 3B



	Pump Technical Parameters LVR120-3-2	Manufacturer	LEO
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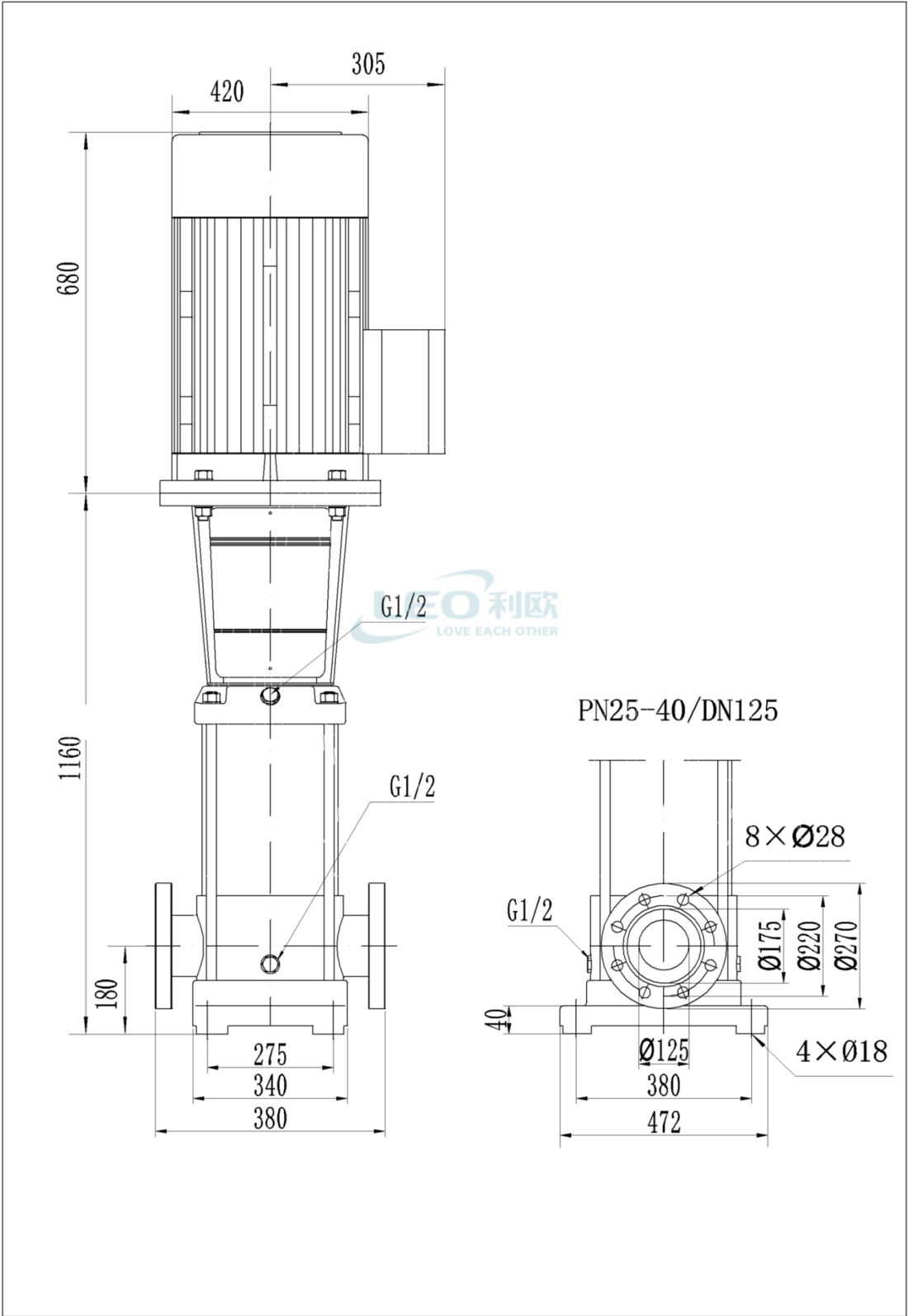
Rated parameters	
Pump model	LVR120-3-2
Part NO.	LVR()120-3-2
Rated flow	120 m³/h
Rated head	49 m
Rated efficiency (%)	74
Power (kW)	21.6
Speed (rpm)	2950
Medium	
Pumped medium	Water
Working temperature (°C)	20
Medium density (kg/m³)	1000
Viscosity (mm²/s)	1

The graph displays four performance metrics for the LVR120-3-2 pump against flow rate (m³/h) from 0 to 150. The top curve (blue) represents Head (m), starting at 60m and decreasing to 40m. The second curve (green) represents Efficiency (%), starting at 0% and peaking at 74% at 120 m³/h. The third curve (blue) represents Power (kW), starting at 15kW and increasing to 21.6kW at 120 m³/h. The bottom curve (red) represents NPSH (m), starting at 0m and increasing to 7.5m at 150 m³/h. Shaded regions indicate operational ranges: light blue for Head (40-60m), medium blue for Efficiency (0-74%), and light red for NPSH (0-7.5m).

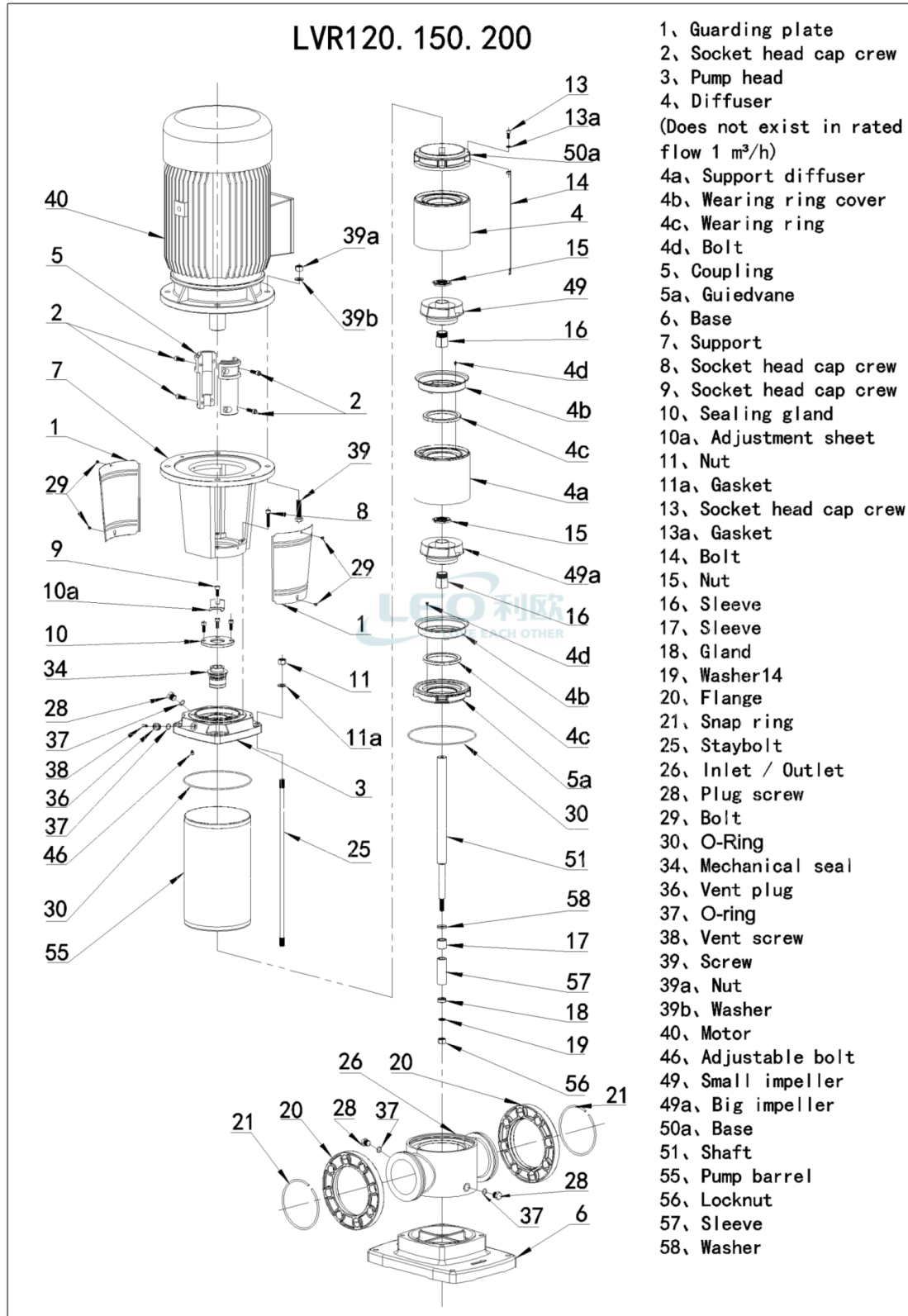
Flow (m³/h)	Head (m)	Efficiency (%)	Power (kW)	NPSH (m)
0	60	0	15	0
30	58	10	16	1
60	56	25	17	2
90	53	45	19	3
120	49	74	21.6	4
150	40	70	23	7.5



	Dimension Drawing LVR120-3-2	Manufacturer	LEO
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	Structure picture LVR120-3-2	Manufacturer	LEO
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	Physical picture LVR120-3-2	Manufacturer	LEO
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