

	Product Information LVR150-5-2	Manufacturer	LEO
		Address	China,Zhejiang,Wenling
		Contact	0576-89988888
		Date	2024/02/12
Project Name		Client Name	Heatinvest
		Client Addr.	
Item NO		Contacts	
		Contact	

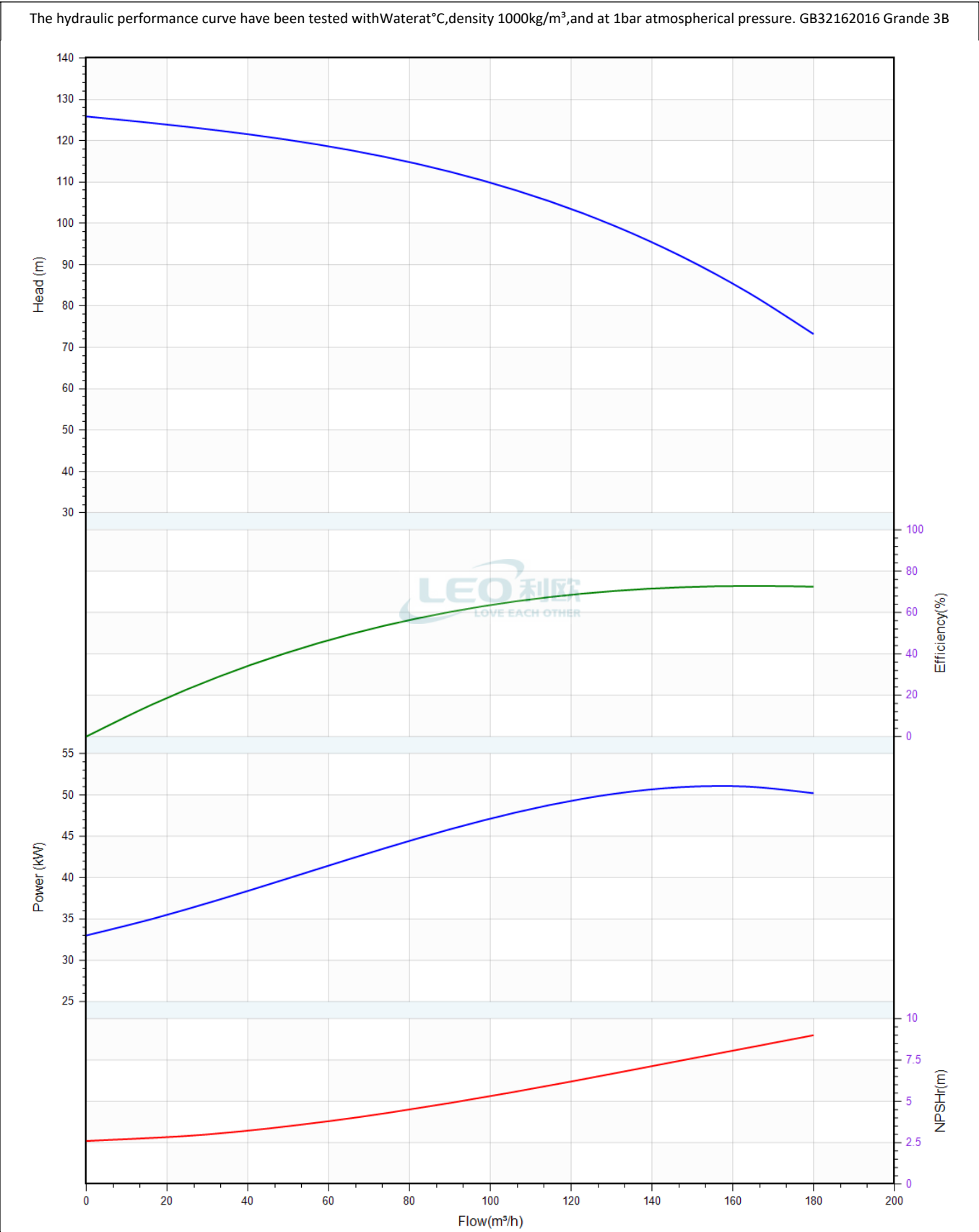
Part NO.	LVR()150-5-2		
Product Picture		Note	
		LVR series verrtical multistage centrifugal pump is applicable to transfer liquids without solid particles<0.2mm and fiberslow viscositynon-inflammable non-explosive and not easy vaporization. Widely used in high-rise building water supply and drainageWater 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	150 m³/h
head	92 m
speed	2950 rpm
number of stages	5
Technical	
Flow range (m³/h)	80-180m3/h
Curve tolerance	ISO 9906 Anne* 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	20bar
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)	55kW
Motor model	IE2-250M-4
Frequency	50Hz
Rated voltage (V)	380v

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Rated current (A)	104A
Efficiency class	IE2\\IE3
Power factor	0.86
Efficiency (%)	
Weight/Packaging	
Net weight (kg)	570
Gross weight (kg)	602
Package size	2340*642*815mm
	

	Performance Curve LVR150-5-2	Manufacturer	LEO
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	Pump Technical Parameters LVR150-5-2	Manufacturer	LEO
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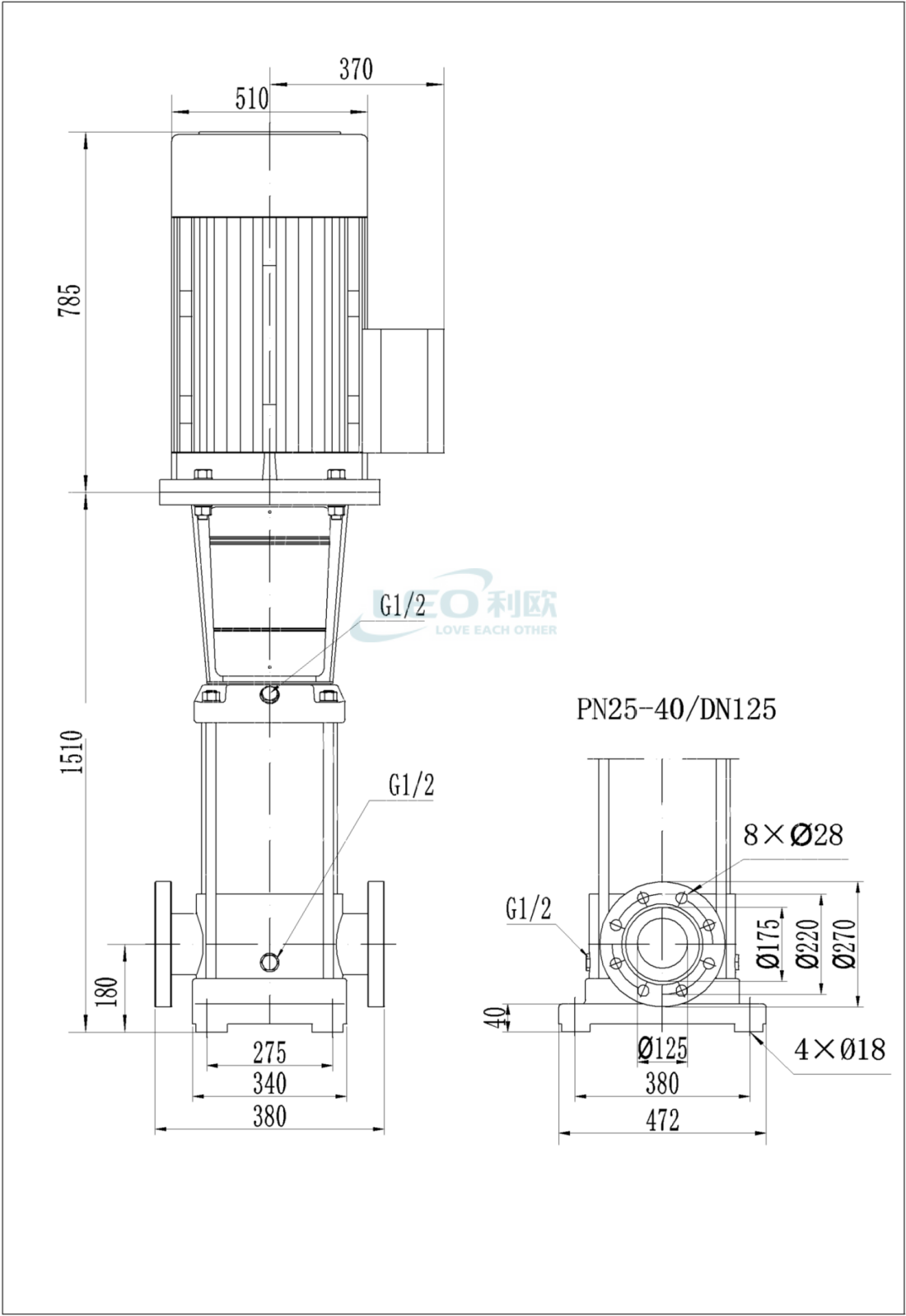
Rated parameters	
Pump model	LVR150-5-2
Part NO.	LVR()150-5-2
Rated flow	150 m³/h
Rated head	92 m
Rated efficiency (%)	73
Power (kW)	52.2
Speed (rpm)	2950
Medium	
Pumped medium	Water
Working temperature (°C)	20
Medium density (kg/m³)	1000
Viscosity (mm²/s)	1

The graph displays four performance metrics for the LVR150-5-2 pump against flow rate (m³/h) from 0 to 200. The left y-axis represents Head (m) from 0 to 140. The right y-axis represents Efficiency (%) from 0 to 100. The bottom right y-axis represents Power (kW) from 25 to 55. The bottom left y-axis represents NPSH (m) from 0 to 10. The Head curve (blue) starts at approximately 125 m at 0 m³/h and decreases to about 75 m at 180 m³/h. The Efficiency curve (green) starts at approximately 55% at 0 m³/h and increases to about 75% at 180 m³/h. The Power curve (purple) starts at approximately 30 kW at 0 m³/h and increases to about 50 kW at 180 m³/h. The NPSH curve (red) starts at approximately 2.5 m at 0 m³/h and increases to about 7.5 m at 180 m³/h.

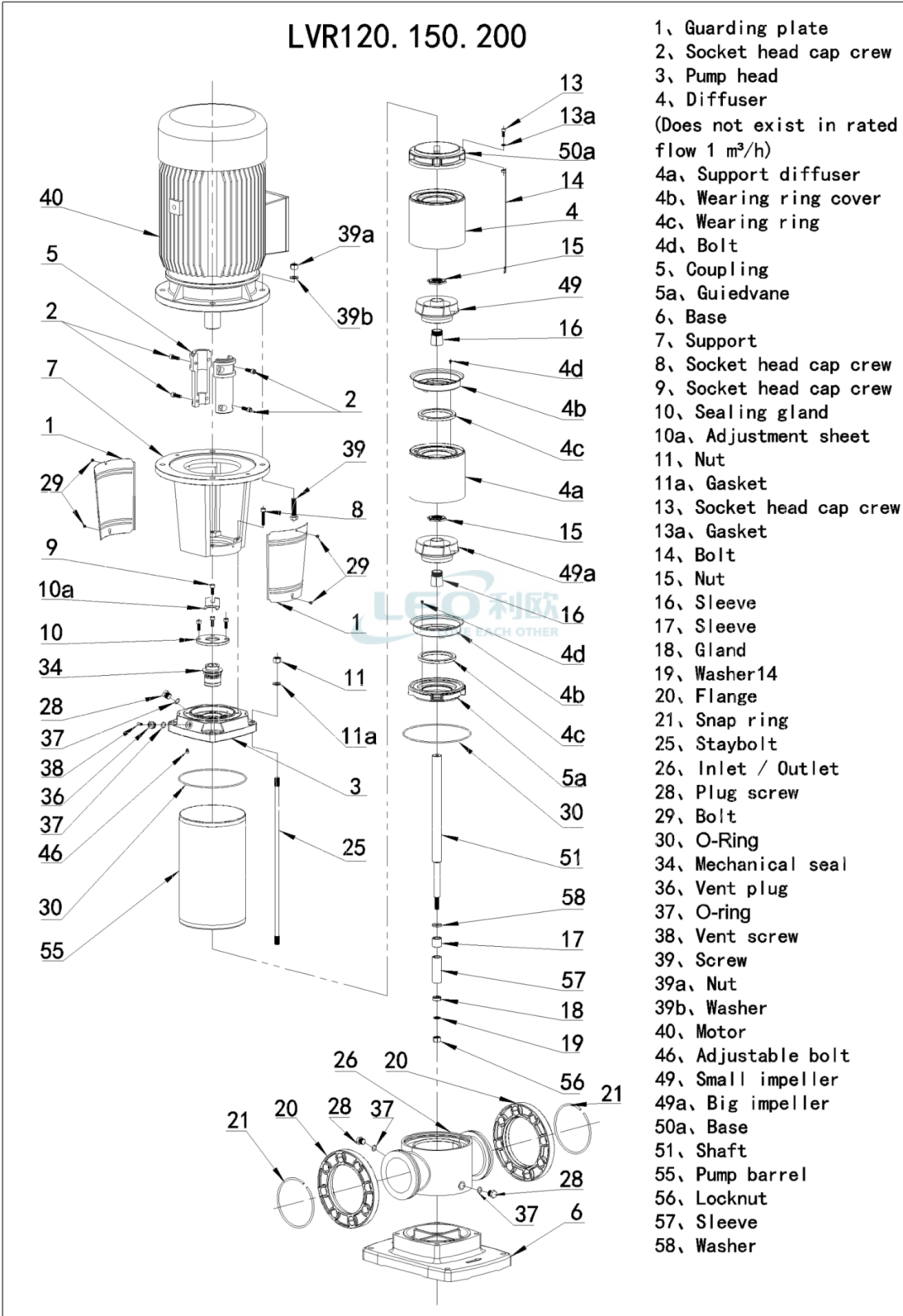
Flow (m³/h)	Head (m)	Efficiency (%)	Power (kW)	NPSH (m)
0	125	55	30	2.5
20	122	60	32	2.6
40	118	65	35	2.8
60	112	70	38	3.2
80	105	73	42	3.8
100	98	75	46	4.5
120	90	75	48	5.2
140	82	75	50	6.0
160	78	75	50	6.8
180	75	75	50	7.5



	Dimension Drawing LVR150-5-2	Manufacturer	LEO
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	Structure picture LVR150-5-2	Manufacturer	LEO
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	Physical picture LVR150-5-2	Manufacturer	LEO
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