

	Product Information LVR4-15	Manufacturer	LEO
		Address	China,Zhejiang,Wenling
		Contact	0576-89988888
		Date	2023/10/16
Project Name		Client Name	Spaceport
		Client Addr.	Куйбышева 95
Item NO		Contacts	
		Contact	

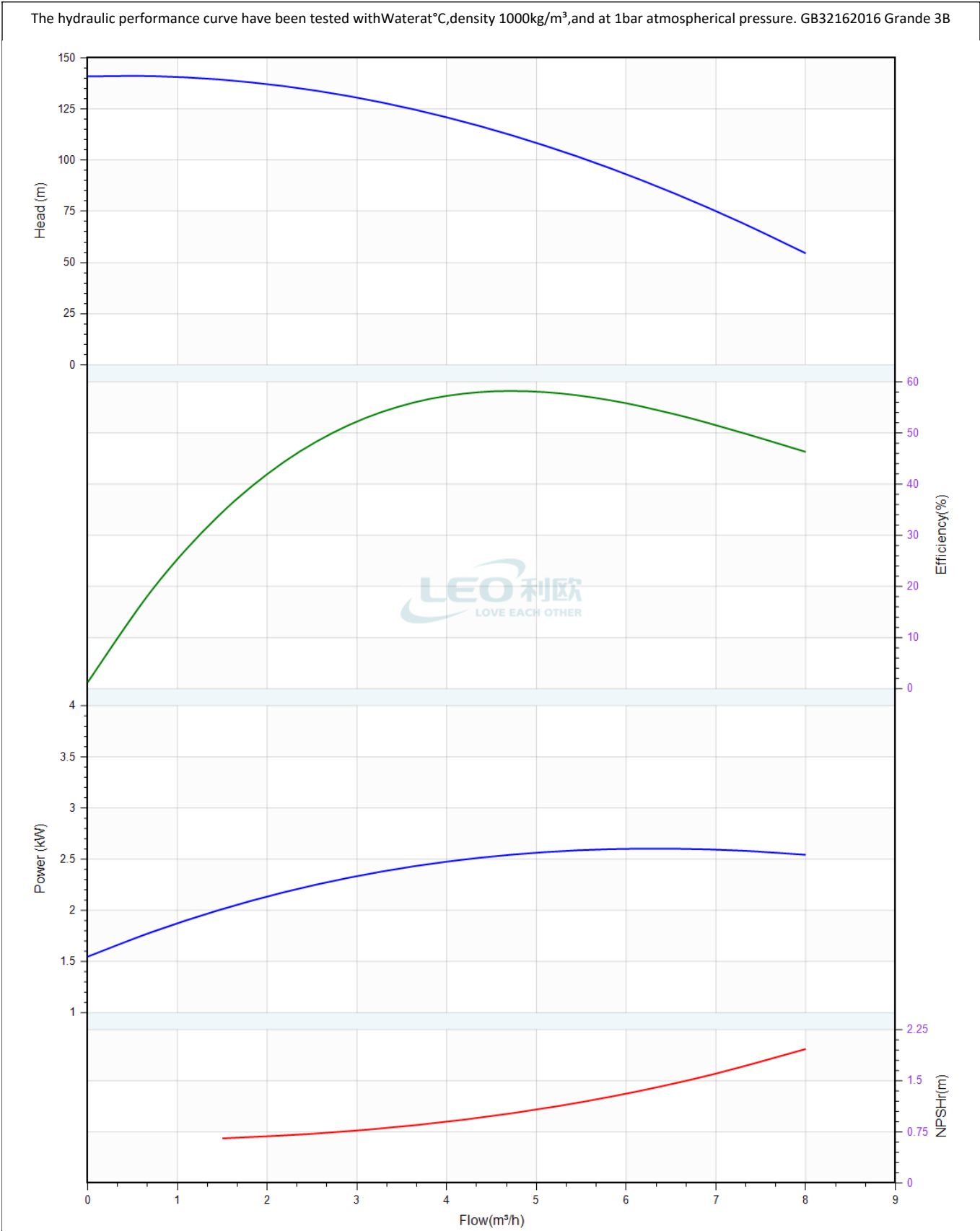
Part NO.	50012202		
Product Picture		Note	
		LVR series verrtical multistage centrifugal pump is applicable to transfer liquids without solid particles<0.2mm and fiberslow viscositynon-inflammable non-explosive and not easy vaporization. Widely used in high-rise building water supply and drainageWater 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	4 m³/h		
head	120 m		
speed	2900 rpm		
number of stages	15		
Technical			
Flow range (m³/h)	1.5-8m3/h		
Curve tolerance	ISO 9906 Annex A		
Head range (m)			
Material			
Impeller	AISI 304		
Diffuser	AISI 304		
Pump shaft	AISI 304		
Pump flange	HT200		
Motor base	HT200		
Coupling	ferrous powder metallurgy		
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	16bar		
Maximum inlet pressure	15bar		
Installation			
Connection method	Oval flange		
Inlet / outlet dia.	G1 1/4		
Motor			
Motor phase	Three phase		
Protection class	IP55		
Motor poles	2		
Insulation class	F		
Motor power (KW)	3kW		
Motor model	YX3-100L-2		
Frequency	50Hz		
Rated voltage (V)	380V		

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Rated current (A)	6.2A
Efficiency class	IE2\\IE3
Power factor	0.87
Efficiency (%)	
Weight/Packaging	
Net weight (kg)	47.45
Gross weight (kg)	55.15
Package size	1031*280*330mm

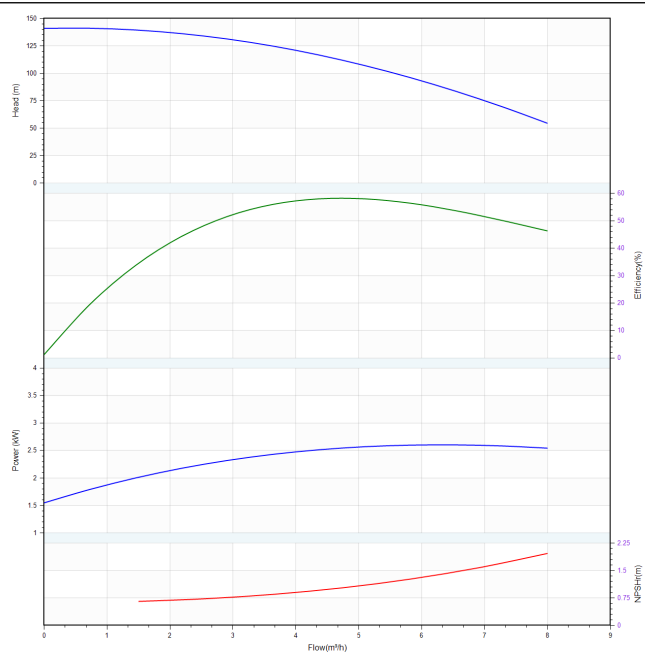


	Performance Curve LVR4-15	Manufacturer	LEO
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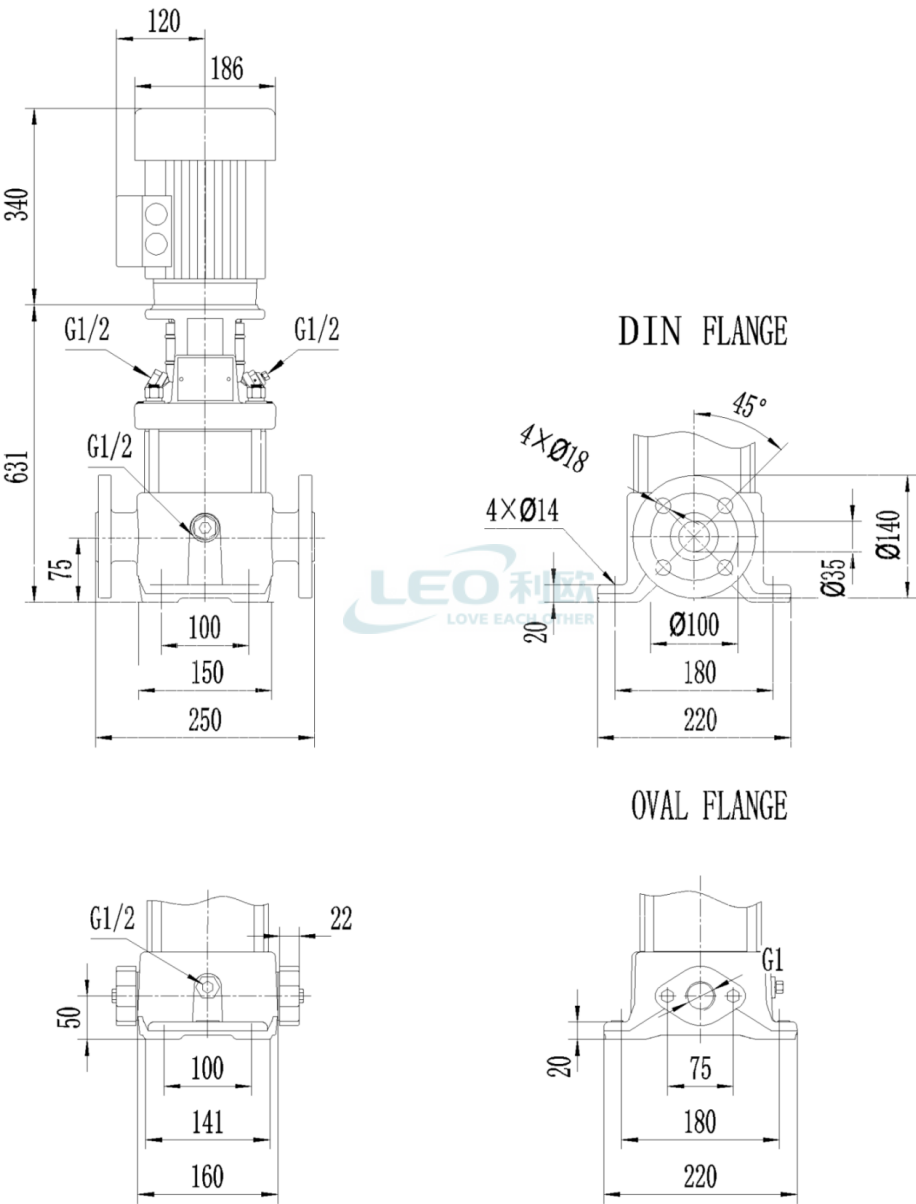


	Pump Technical Parameters LVR4-15	Manufacturer	LEO
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Rated parameters	
Pump model	LVR4-15
Part NO.	50012202
Rated flow	4 m³/h
Rated head	120 m
Rated efficiency (%)	57
Power (kW)	2.29
Speed (rpm)	2900
Medium	
Pumped medium	Water
Working temperature (°C)	20
Medium density (kg/m³)	1000
Viscosity (mm²/s)	1



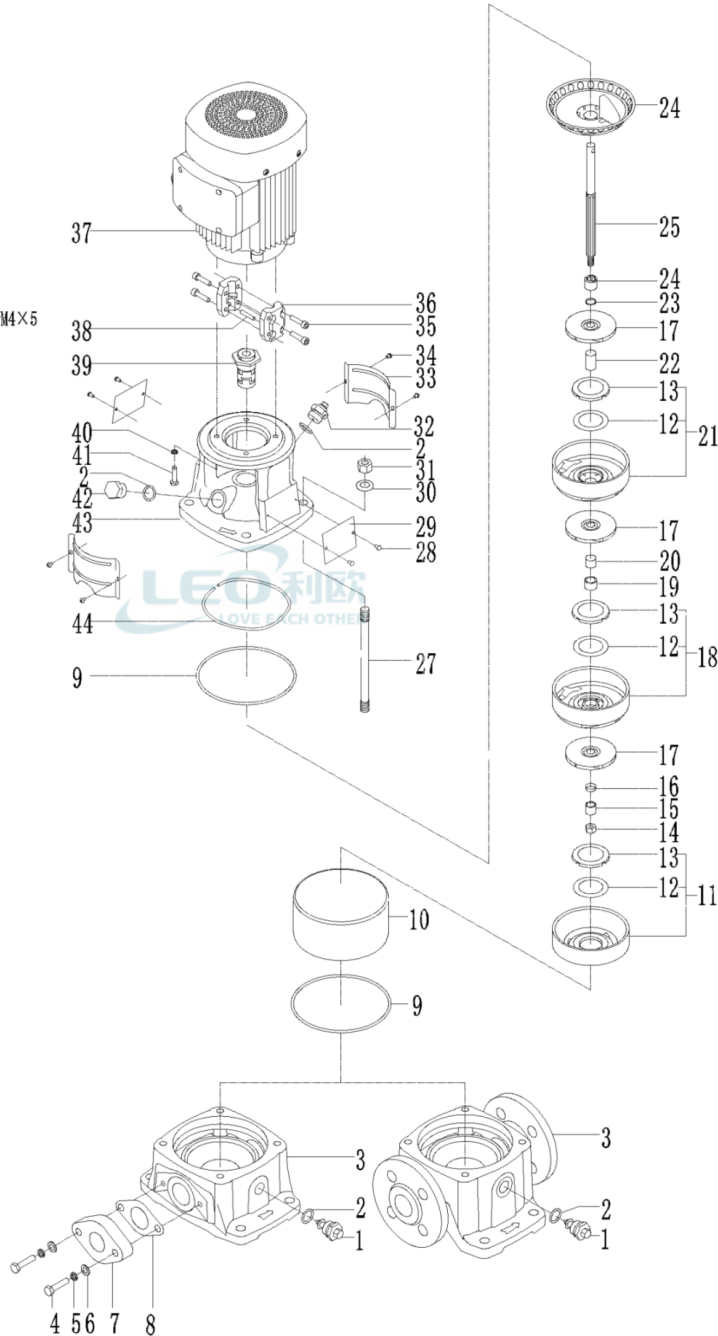
	Dimension Drawing LVR4-15	Manufacturer	LEO
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	Structure picture LVR4-15	Manufacturer	LEO
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LVR 4,5

- 44, Wave spring
- 43, Motor base
- 42, Filling plug
- 41, Hexagon screw
- 40, Spring washer
- 39, Cartridge seal (type 12)
- 38, Straight pin $\varnothing 5 \times 26$
- 37, Motor (B14)
- 36, Half-coupling
- 35, Socket head cap crew
- 34, Cross recessed pan head screw $M4 \times 5$
- 33, Guarding plate
- 32, Vent plug assembly
- 31, Locknut M12
- 30, Gasket12
- 29, Nameplate
- 28, Rivet 2×4
- 27, Staybolt M12
- 26, Final diffuser
- 25, Shaft
- 24, Orientation cover
- 23, Sleeve 2
- 22, Sleeve 26
- 21, Medium diffuser
- 20, Sleeve 13
- 19, Bearing ring
- 18, Diffuser with bearing
- 17, Impeller
- 16, Sleeve 4.5
- 15, Splined bearing
- 14, Locknut M8
- 13, Wearing ring cover
- 12, Wearing ring
- 11, Primary diffuser
- 10, Pump barrel
- 9, O-ring $\varnothing 135 \times 3.55$
- 8, Gasket ($1\frac{1}{4}$ ")
- 7, Oval flange ($1\frac{1}{4}$ ")
- 6, Gasket 8
- 5, Spring washer 8
- 4, Hexagon screw $M8 \times 35$
- 3, Base
- 2, O ring $\varnothing 17 \times 2.65$
- 1, Drainage plug assembly



	Physical picture LVR4-15	Manufacturer	LEO
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