

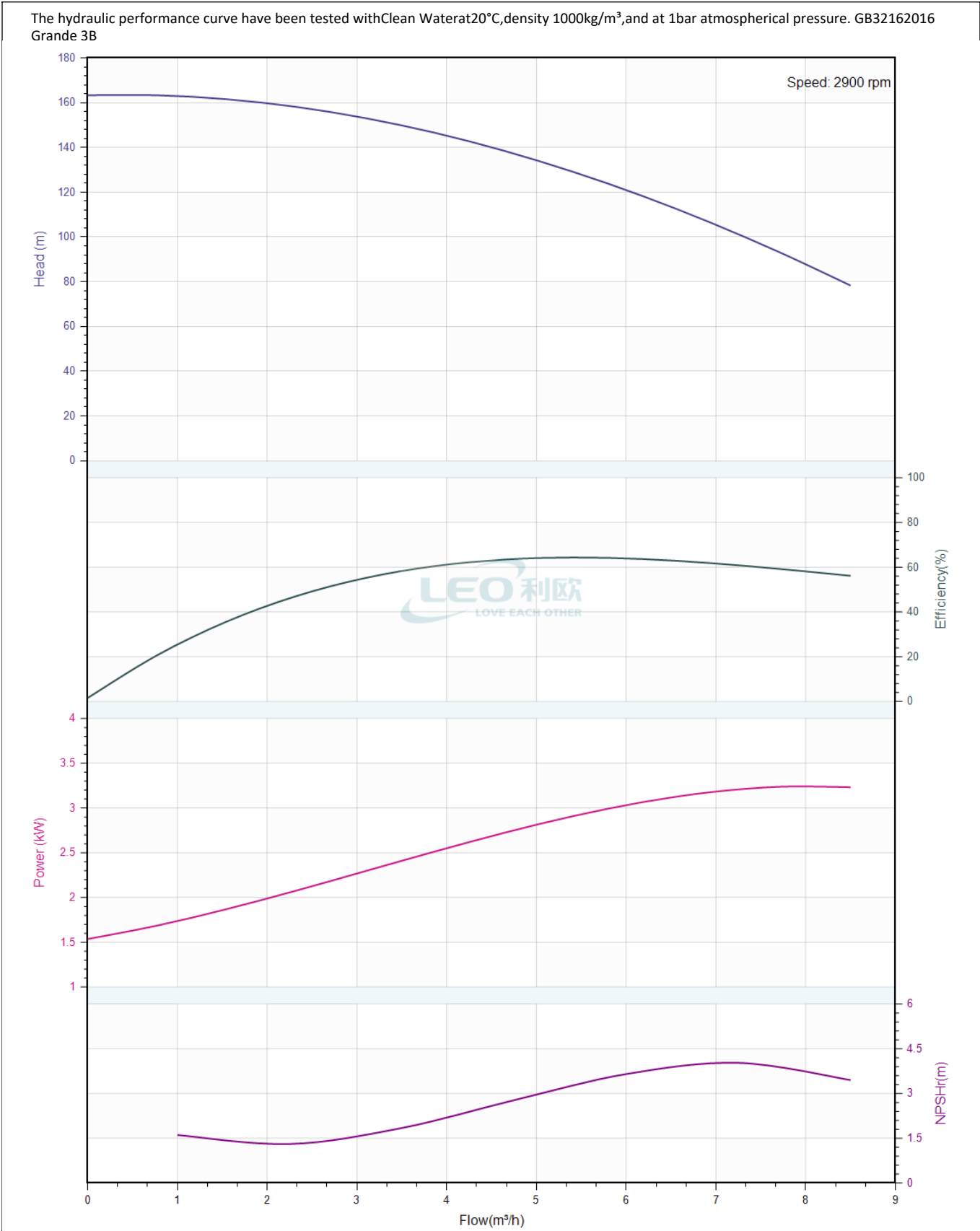
	Product Information LVR5-24	Manufacturer	LEO
		Address	China,Zhejiang,Wenling
		Contact	
		Date	
Project Name		Client Name	LEO Sibir LLC
		Client Addr.	Novosibirsk
Item NO		Contacts	
		Contact	

Part NO.	50005186		
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	5 m³/h		
head	132 m		
speed	2900 rpm		
number of stages	24		
Technical			
Flow range (m³/h)	2.5-8.5m3/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)	4kW		
Motor model	YX3-112M-2		
Frequency	50Hz		
Rated voltage (V)	380V		

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Rated current (A)	8.05A
Efficiency class	IE2
Power factor	0.88
Efficiency (%)	
Weight/Packaging	
Net weight (kg)	55.34
Gross weight (kg)	63.14
Package size	1301*295*340mm
	

	Performance Curve LVR5-24	Manufacturer	LEO
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Item NO		Contacts	
		Contact	



	Pump Technical Parameters LVR5-24	Manufacturer	LEO
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		Contact	

Rated parameters	
Pump model	LVR5-24
Part NO.	50005186
Rated flow	5 m³/h
Rated head	132 m
Rated efficiency (%)	60
Power (kW)	3
Speed (rpm)	2900
Medium	
Pumped medium	Clean Water
Working temperature (°C)	20
Medium density (kg/m³)	1000
Viscosity (mm²/s)	1

The graph displays four performance metrics against flow rate (m³/h) from 0 to 9. The top curve (blue) represents Head (m), starting at 132m at 0 flow and decreasing to approximately 80m at 8.5 m³/h. The second curve (green) represents Efficiency (%), starting at 0% and peaking at about 60% around 5.5 m³/h. The third curve (red) represents Power (kW), starting at 1.5 kW at 0 flow and increasing to about 3.2 kW at 8.5 m³/h. The bottom curve (purple) represents NPSH (m), starting at 1.5m at 1 m³/h, dipping slightly, and then rising to about 4.5m at 8.5 m³/h. The speed is constant at 2900 rpm.

Flow (m³/h)	Head (m)	Efficiency (%)	Power (kW)	NPSH (m)
0	132	0	1.5	-
1	130	10	1.6	1.5
2	125	25	1.8	1.2
3	118	40	2.1	1.5
4	110	50	2.4	2.0
5	100	58	2.7	2.5
6	90	60	2.9	3.0
7	82	58	3.1	4.0
8	75	55	3.2	4.5
8.5	70	52	3.2	4.5



