

	Product Information XST50-250/150	Manufacturer	LEO
		Address	China,Zhejiang,Wenling
		Contact	
		Date	
Project Name		Client Name	LEO Sibir LLC
		Client Addr.	Novosibirsk
Item NO		Contacts	
		Contact	

Part NO.	50008106
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Product Picture	Note
	Water supply: Water filtration and transportation, the main pipeline pressurization; Pressurization for high-rise buildings, hotels, etc. Industry: Flushing and cleaning system, boiler feed water, cooling water circulation, water treatment system, equipment supporting system. water treatment: Ultrafiltration system, reverse osmosis system, distillation system, separator,swimming pool. Other: Air conditioning system; heating system; agricultural irrigation,fire fighting system

Nameplate parameters

flow	50 m³/h
head	60 m
Efficiency	63 %
speed	2900 rpm
number of stages	1

Technical

Flow range (m³/h)	5-84m³/h
Curve tolerance	ISO 9906 Annex A
Maximum lift (m)	68.5m
Maximum Altitude	1000m



Material

Impeller	HT200/06Cr19Ni10
Pump inlet	HT200
Pump shaft	45/06Cr19Ni10
Fan cover	
O-ring	NBR
Rear end cover	
Connector	HT200
Fan	
Cover box	
Supporting foot	
Guard plate	06Cr19Ni10

Working conditions

Medium temperature (°C)	-10°C+85°C
Max. ambient temperature (°C)	+40°C
Pumped medium	Liquid without solid particles and long fiberslow viscositynon-combustiblenon-corrosion liquid or other
Critical cavitation margin(m)	2.5m
Working pressure	12bar

Installation

Structure Type	Standard motor (sleeve shaft)
Connection method	Flange connection / thread-connection
Inlet diameter (mm)	DN65
Outlet diameter (mm)	DN50

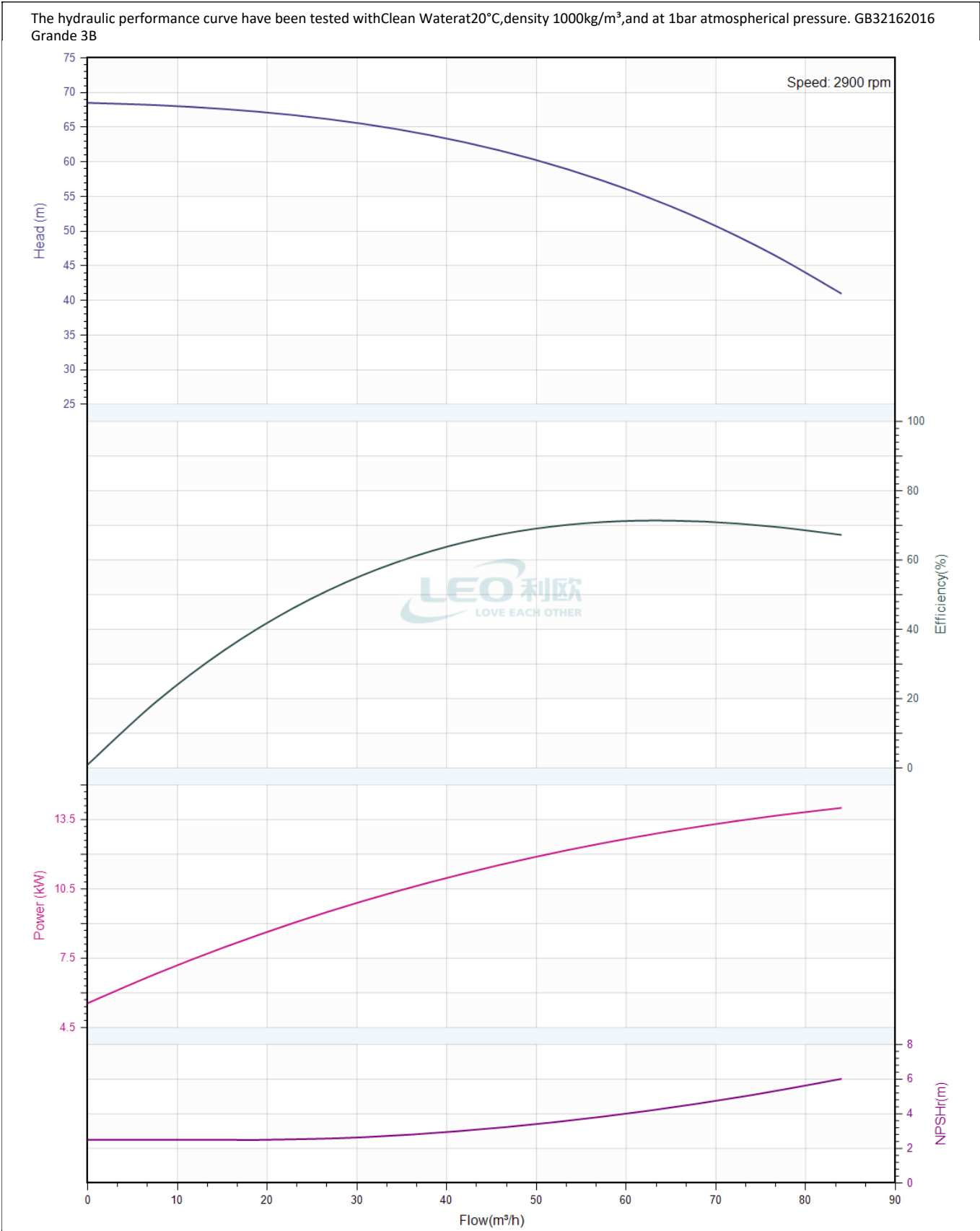
Motor

Motor phase	Three phase
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Protection class	IP55
Motor poles	2
Insulation class	F
Motor power (KW)	15KW
Motor model	IE2-160M2-2(B35)
Frequency	50Hz
Rated voltage (V)	380V
Rated current (A)	28.4A
Efficiency class	IE2
Power factor	0.89
Seal	
Mechanical seal	TF PB20-30
Weight/Packaging	
Net weight (kg)	173kg
Gross weight (kg)	193kg
Package size	910x405x600
	

	Performance Curve XST50-250/150	Manufacturer	LEO
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	Pump Technical Parameters XST50-250/150	Manufacturer	LEO
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Rated parameters	
Pump model	XST50-250/150
Part NO.	50008106
Rated flow	50 m³/h
Rated head	60 m
Rated efficiency (%)	63
Power (kW)	13
NPSHr (m)	2.5
Speed (rpm)	2900
Medium	
Pumped medium	Clean Water
Working temperature (°C)	20
Medium density (kg/m³)	1000
Viscosity (mm²/s)	1

Speed: 2900 rpm

The graph displays the performance characteristics of the LEO XST50-250/150 pump at a speed of 2900 rpm. The x-axis represents Flow in m³/h, ranging from 0 to 90. The left y-axis represents Head in meters (m), ranging from 0 to 75. The right y-axis represents Efficiency in percent (%), ranging from 0 to 100. The bottom left y-axis represents Power in kilowatts (kW), ranging from 0 to 13.5. The bottom right y-axis represents NPSHr in meters (m), ranging from 0 to 9. The Head curve (blue) starts at approximately 68 m at 0 m³/h and decreases to about 42 m at 85 m³/h. The Efficiency curve (green) starts at approximately 10% at 0 m³/h, rises to a peak of about 63% at 50 m³/h, and then slightly decreases to about 60% at 85 m³/h. The Power curve (pink) starts at approximately 6.5 kW at 0 m³/h and increases to about 13.5 kW at 85 m³/h. The NPSHr curve (purple) starts at approximately 0.5 m at 0 m³/h and increases to about 2.5 m at 85 m³/h.

Flow (m³/h)	Head (m)	Efficiency (%)	Power (kW)	NPSHr (m)
0	68	10	6.5	0.5
10	67	25	7.5	0.5
20	66	45	8.5	0.5
30	64	58	9.5	0.5
40	62	62	10.5	0.5
50	60	63	11.5	0.5
60	57	62	12.5	0.5
70	53	60	13.0	0.5
80	48	58	13.5	0.5
85	42	60	13.5	2.5



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Pump model XST50-250/150
Part NO. 50008106
Product price
Quantity 1
Total price

Inquiry notes

