

	Product Information XST80-160/110	Manufacturer	LEO
		Address	China,Zhejiang,Wenling
		Contact	0576-89988888
		Date	2023/06/18
Project Name		Client Name	LEO Sibir LLC
		Client Addr.	Novosibirsk
Item NO		Contacts	Maksim Sokolov
		Contact	+79059301333

Part NO.	50010459
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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	130 m ³ /h
head	22.5 m
Efficiency	78 %
speed	2900 rpm
number of stages	1

Technical

Flow range (m ³ /h)	13-200m ³ /h
Curve tolerance	ISO 9906 Annex A
Maximum lift (m)	27m
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)	6m
Working pressure	12bar

Installation

Structure Type	Standard motor (sleeve shaft)
Connection method	Flange connection / thread-connection
Inlet diameter (mm)	DN100
Outlet diameter (mm)	DN80

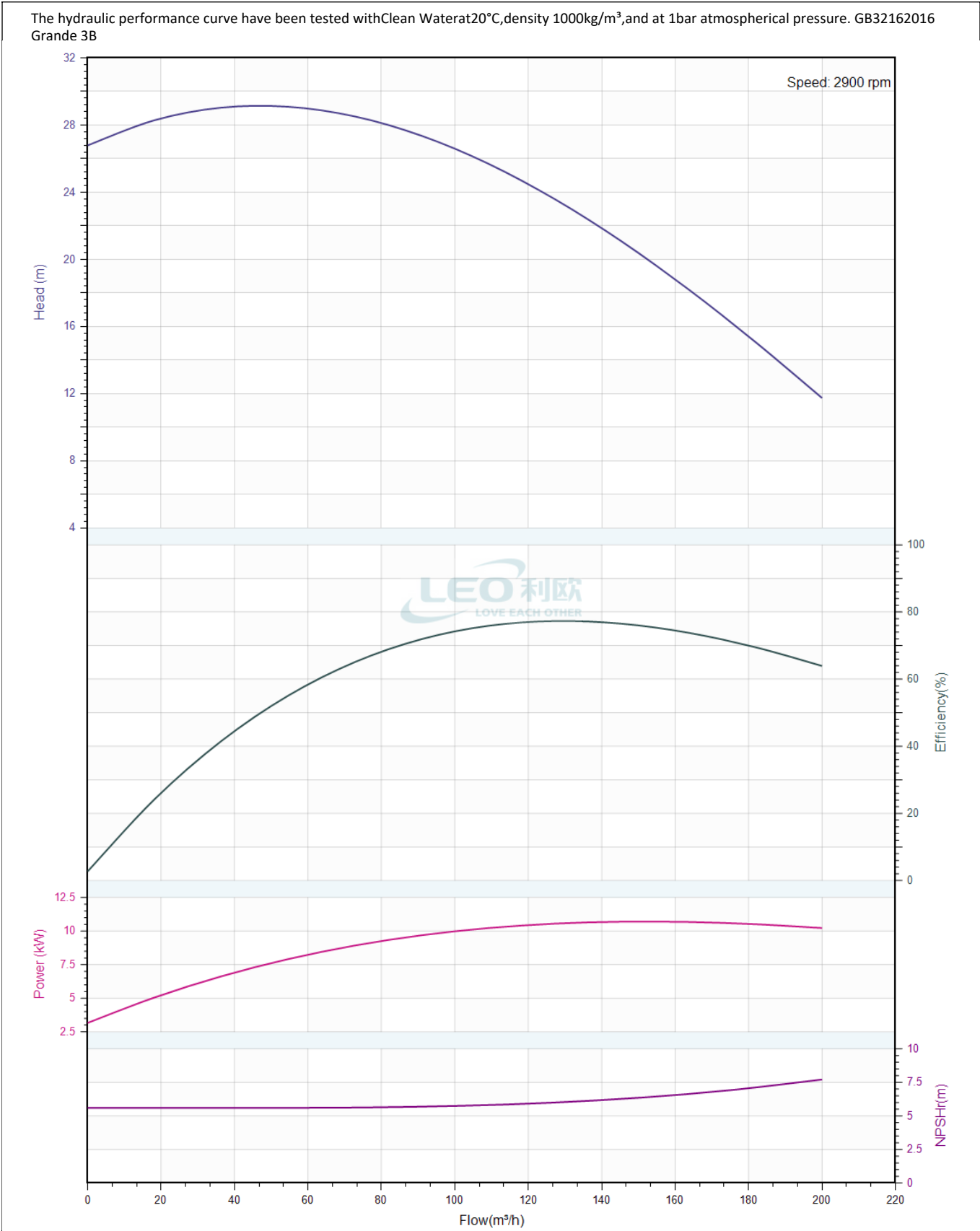
Motor

Motor phase	Three phase
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Protection class	IP55
Motor poles	2
Insulation class	F
Motor power (KW)	11KW
Motor model	IE2-160M1-2(B35)
Frequency	50Hz
Rated voltage (V)	380V
Rated current (A)	21.0A
Efficiency class	IE2
Power factor	0.89
Seal	
Mechanical seal	TF PB20-30
Weight/Packaging	
Net weight (kg)	164kg
Gross weight (kg)	184kg
Package size	940x405x600mm
	

	Performance Curve XST80-160/110	Manufacturer	LEO
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	Pump Technical Parameters XST80-160/110	Manufacturer	LEO
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Rated parameters	
Pump model	XST80-160/110
Part NO.	50010459
Rated flow	130 m³/h
Rated head	22.5 m
Rated efficiency (%)	78
Power (kW)	10.2
NPSHr (m)	6
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 four performance metrics against flow rate (m³/h) from 0 to 220. The left y-axis for Head (m) ranges from 0 to 32. The right y-axis for Efficiency (%) ranges from 0 to 100. The bottom right y-axis for Power (kW) ranges from 2.5 to 12.5. The bottom right y-axis for NPSHr (m) ranges from 0 to 10. The Head curve (blue) starts at ~28m, peaks at ~28.5m (60 m³/h), and ends at ~12m (200 m³/h). The Efficiency curve (green) starts at ~0%, peaks at ~78% (130 m³/h), and ends at ~65% (200 m³/h). The Power curve (pink) starts at ~2.5 kW, peaks at ~10.2 kW (130 m³/h), and ends at ~10.0 kW (200 m³/h). The NPSHr curve (purple) is a nearly horizontal line at ~3.5m, rising slightly to ~4.5m at 200 m³/h.

Flow (m³/h)	Head (m)	Efficiency (%)	Power (kW)	NPSHr (m)
0	28.0	0	2.5	3.5
20	29.0	10	3.5	3.5
40	29.5	25	4.5	3.5
60	28.5	45	6.0	3.5
80	27.5	60	7.5	3.5
100	26.0	70	8.5	3.5
120	24.0	75	9.5	3.5
130	23.5	78	10.2	3.5
140	22.5	77	10.1	3.5
160	20.0	72	10.0	3.5
180	17.0	68	10.0	3.5
200	12.0	65	10.0	4.5



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Pump model XST80-160/110
Part NO. 50010459
Product price
Quantity 1
Total price

Inquiry notes

