

PRODUCT SELECTION REPORT

Model: XST32-250/55
Name: End Suction Centrifugal Pump



LEO GROUP PUMP CO.,LTD.

2026.2.14

Project Name: Koslan

Personal Name: Koslan
Company Address:

Company Name:

Website: www.leopump.com
Company Name:

Product Model: XST32-250/55
 LEO GROUP PUMP CO., LTD.

Product Recommendations

Flow(m³/h): 16 **Head(m):** 60 **Power(kW):** 5.5

Based on provided information and product parameters, LEO PUMP recommends model: XST32-250/55

Introduction

Application

Circulation and transfer of clean, chemically non-aggressive water and other liquids;
 Water supply & irrigation;
 Water circulation in air conditioning systems;
 Fire fighting system;

Operating Conditions

Delivery: up to 210 m³/h;
 Head: up to 95 m;
 Liquid temperature: Standard -10°C to 85°C;
 Maximum operating pressure: 12 bar (PN12) Anti-clockwise rotation when facing pump's suction port
 Impeller: AISI304, HT200;
 Mechanical seal in compliance with DIN 24960
 Lubricated by internal recirculating pumped liquid; Counter flange available on request.

Product Parameters

Nameplate

Pump flow rate(m ³ /h):	16	Total manometric head H(m):	60
Overall efficiency(%):	56.8	Speed(rpm):	2900

Technical

Motor power(kW):	5.5	Shaft Power(kW):	4.61
Curve tolerance:	ISO9906 Appendix A	Maximum lift(m):	79
Minimum usage flow(m ³ /h):	1.6	Maximum use flow(m ³ /h):	24
Impeller diameter(mm):	183		

Material

Impeller:	HT200	Pump body:	HT200
Chassis:	ADC12	Rear end cover:	ADC12

Bracket: HT200
 Mechanical seal: Single mechanical seal20-22

Working conditions

Max. ambient temperature(°C): 40
 Max. Operating Pressure: 12bar
 Pumped medium: Water or other liquids similar to water
 Max. liquid temperature(°C): 85

Installation

Inlet&Outlet Diameter: 50-32
 Connection standard: Flange connection

Motor

Motor phase:	Three phase	Protection class:	IP54
Motor poles:	2	Insulation class:	F
Motor power(kW) :	5.5	Frequency(Hz):	50
Rated voltage(V):	380	Rated current(A):	11.5
Drive end bearing:	6306	Non-drive end bearing:	6206
Starting current(A):	66		

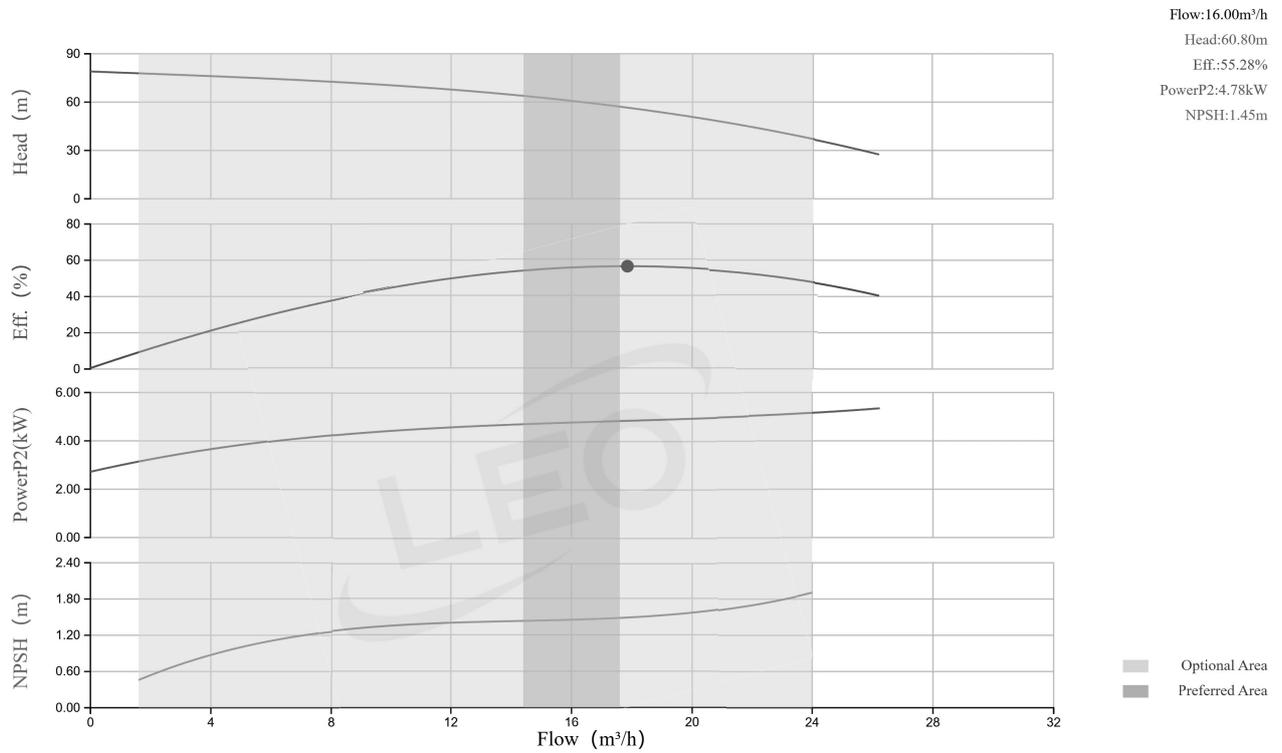
Weight/Packaging

Gross weight(kg): 78
 Package size(mm): 685*370*500

Area Range Parameters

Max Q(m ³ /h):	24.0	Allowable Minimum (m ³ /h):	1.6
Allowable Maximum (m ³ /h):	24.0	Min Value Optimal area (m ³ /h):	14.4
Max Value Optimal area (m ³ /h):	17.6		

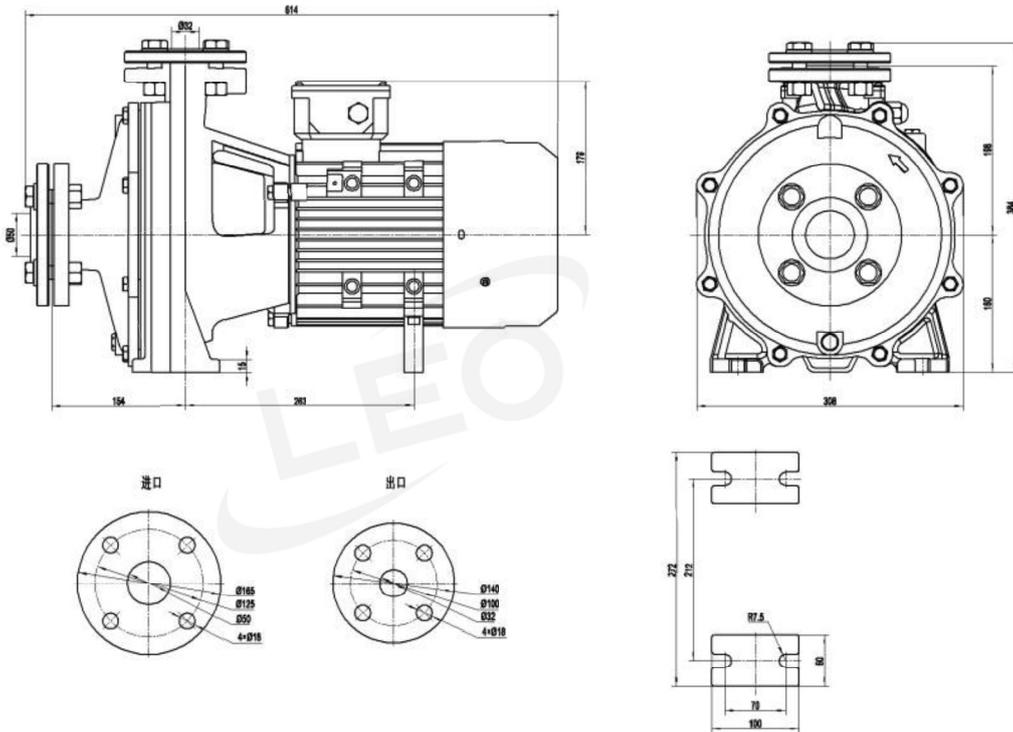
Performance Curve



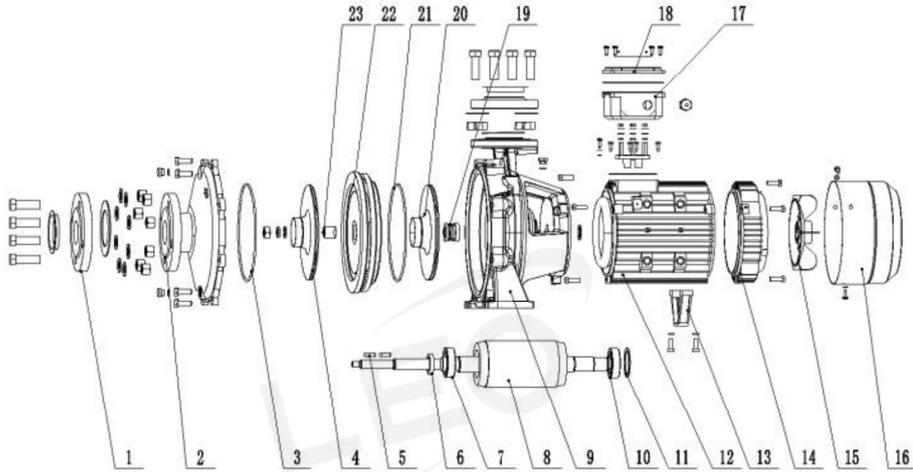
Basic Parameters

	Pump flow rate(m ³ /h)	Total manometric head H(m)	Pump efficiency(%)	Shaft power (kW)	NPSHr(m)
Rated Point	16.00	60.00	56.8	4.61	1.45
Work Point	16.00	60.80	55.28	4.78	1.45
Minimum Allowed Point	1.60	77.88	9.23	3.14	0.45
Maximum Allowed Point	24.00	37.04	47.78	5.16	1.90
Optimal Working Area (Small)	14.40	63.84	53.62	4.71	1.42
Optimal Working Area (Large)	17.60	57.11	56.00	4.84	1.47

Shape & Size



Exploded View



23	Shaft sleeve	AISI304	11	Wave spring	
22	Return guide vane	HT200	10	Bearing	
21	O-ring	NBR	9	Pump body	HT200
20	Impeller	AISI304	8	Rotor	
19	Mechanical seal		7	Bearing	
18	Terminal box cover	ADC12	6	Framework sealing	
17	Terminal box	ADC12	5	Key	AISI304
16	Fan cover	QBF	4	Impeller	AISI304
15	Fan	PP	3	O-ring	NBR
14	Rear cover	ADC12	2	Pump cover	HT200
13	Motor support	HT200	1	Flange	HT200
12	Stator		No.	Name	Material
				Part Name	



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