Reliable Partner on Intelligent Fluid Solutions

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 Name:**	
Company Address:			
Website:	www.leopump.com	**Product Model:**	XST32-250/55
Company Name:			LEO GROUP PUMP CO., LTD.

Product Recommendations

Flow(m^3/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 andother 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°Cto 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 AppendixA	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. liquid temperature(°C):	85
Max. Operating Pressure:	12bar		
Pumped medium:	Water or other liquids similar to water		

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		

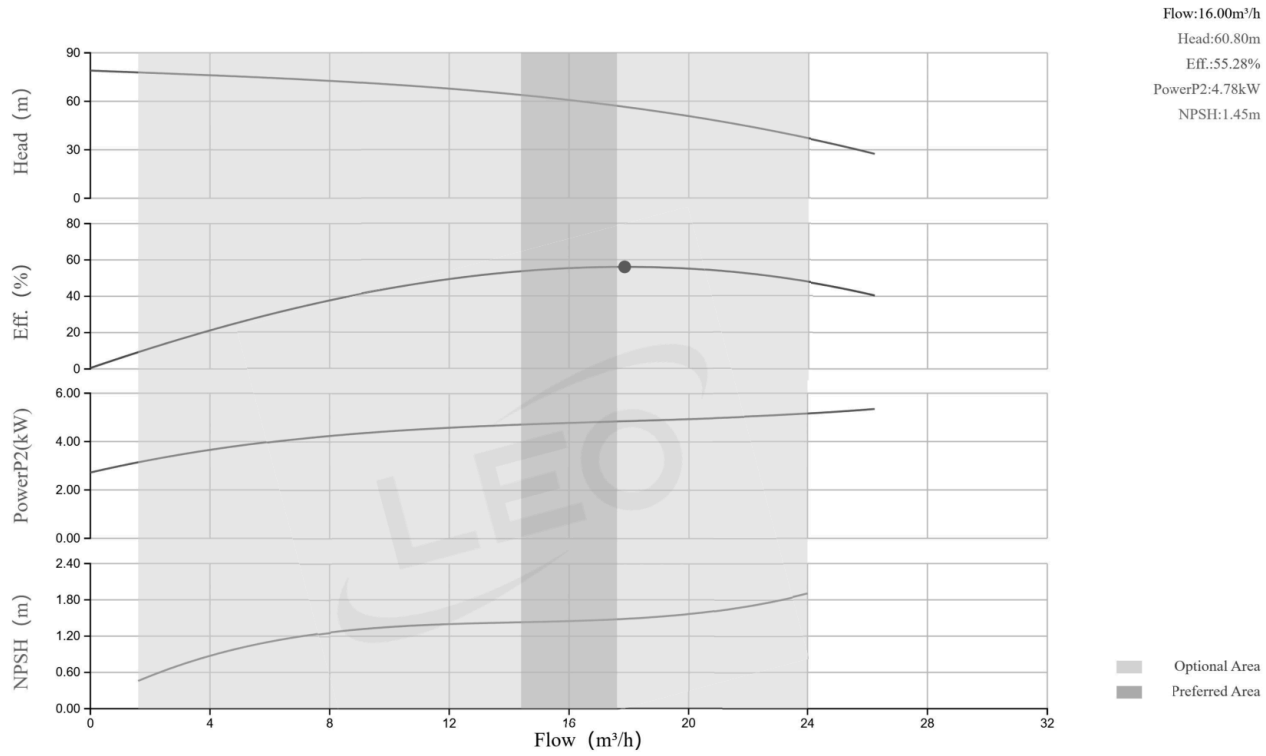
Weight/Packaging

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		

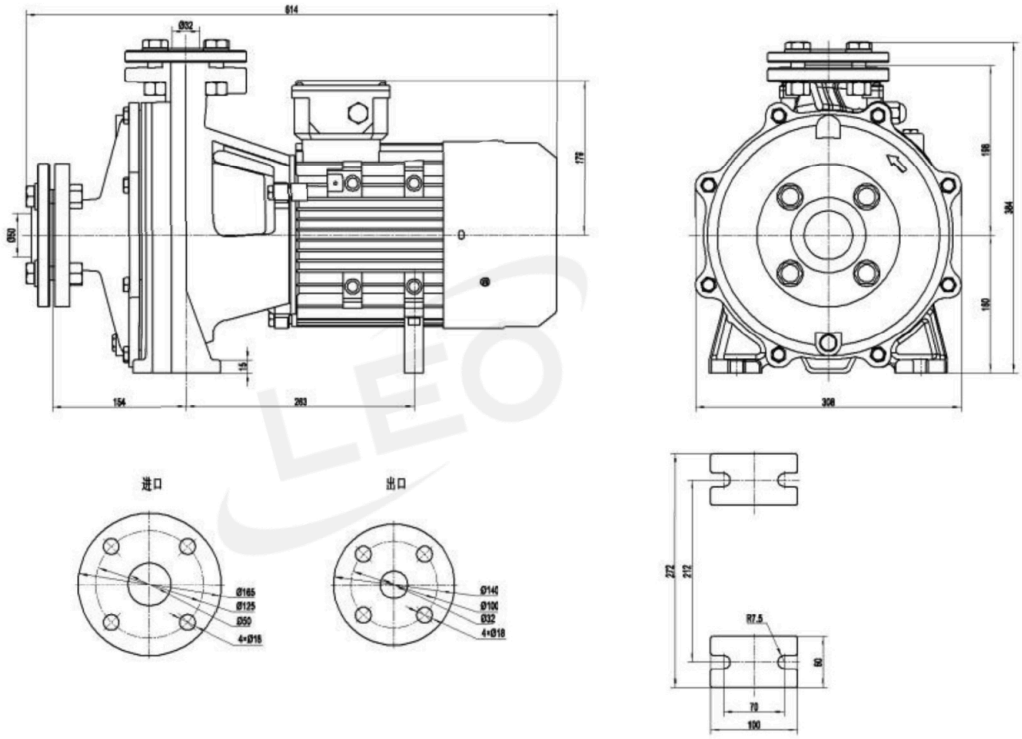
Performance Curve



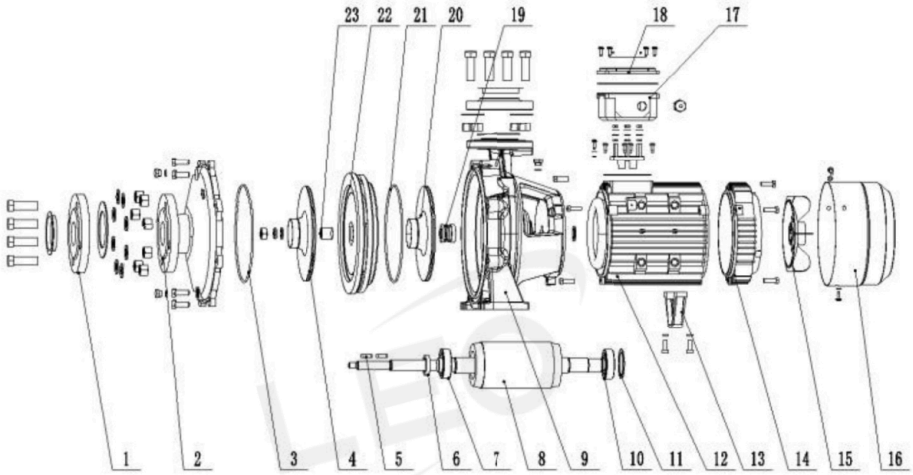
Basic Parameters

	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


614
Ø32
178
Ø50
154
283
198
384
190
308
进口
出口
Ø165
Ø125
Ø50
4×Ø15
Ø140
Ø100
Ø32
4×Ø18
272
212
R7.5
80
70
100

Exploded View



No.	Part Name	
23	Shaft sleeve	AISI304
22	Return guide vane	HT200
21	O-ring	NBR
20	Impeller	AISI304
19	Mechanical seal	
18	Terminal box cover	ADC12
17	Terminal box	ADC12
16	Fan cover	08F
15	Fan	PP
14	Rear cover	ADC12
13	Motor support	HT200
12	Stator	

No.	Part Name	
11	Wave spring	
10	Bearing	
9	Pump body	HT200
8	Rotor	
7	Bearing	
6	Framework sealing	
5	Key	AISI304
4	Impeller	AISI304
3	O-ring	NBR
2	Pump cover	HT200
1	Flange	HT200
No.	Name	Material

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