

PRODUCT SELECTION REPORT

Model:XZS50-32-160/22

Name:End Suction Centrifugal Pump



LEO GROUP PUMP CO.,LTD.

2025.3.10

Project Name: Koslan

Personal Name: Koslan
Company Address:

Company Name:

Website: www.leopump.com
Company Name:

Product Model: XZS50-32-160/22
LEO GROUP PUMP CO., LTD.

Product Recommendations

Power(kW): 2.2 Flow(m³/h): 12.5 Head(m): 32

Based on provided information and product parameters, LEO PUMP recommends model:
XZS50-32-160/22

Introduction

Application

Water supply: filtration and transfer at waterworks, regional water supply and pressure boosting in main pipe;

Industrial pressure boosting: Water system, cleaning system Industrial water supply: boiler feeding, cooling system, air conditioning, transportation of light acid and alkali liquid;

Water treatment: distillation systems, separators, swimming pools;

Agricultural irrigation, petrochemical industry, medicine and sanitation, etc.

Operating Conditions

Thin, clean, non-flammable and explosive, not containing the liquid with solid particles and fibers

Liquid temperature: -15°C ~ +80°C;

Flow range: 0.7 - 132 m³/h;

Head range: 9 - 58m;

Ambient temperature range: -15°C - + 40°C;

Max. operating pressure: 10 bar;

Altitude: up to 1000 m;

Liquid PH value: 3-9;

Max. ambient temperature: +40°C;

Motor

IE2 Motor (IE3 motor available on request for power 29.2kw);

Totally enclosed & fan-cooled;

Protection class: IP55;

Insulation class: F

Product Parameters

Nameplate

Pump flow rate(m³/h): 12.5
Speed(rpm): 2900

Total manometric head H(m): 32

Technical

Motor power(kW):	2.2	Pump power input(kW):	1.8
Curve tolerance:	ISO9906 AppendixA	Maximum lift(m):	37
Maximum use flow(m ³ /h):	20	Impeller diameter(mm):	166

Material

Impeller:	AISI304	Pump body:	AISI304
Chassis:	ADC12	Back cover:	AISI304
Rear end cover:	ADC12	Bracket:	HT200
Mechanical seal:		Single mechanical seal 20Y-25	

Working conditions

Max. ambient temperature(°C):	40	Max. liquid temperature(°C):	80
Max. Operating Pressure(Mpa):	10bar		
Pumped medium:		Water or other liquids similar to water	

Installation

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

Motor phase:	Three phase	Protection class:	IP55
Motor poles:	2	Insulation class:	F
Motor power(kW) :	2.2	Frequency(Hz):	50
Rated voltage(V):	380	Rated current(A):	4.73
Efficiency class:	IE2	Drive end bearing:	6206
Non-drive end bearing:	6205	Starting current(A):	44.2728

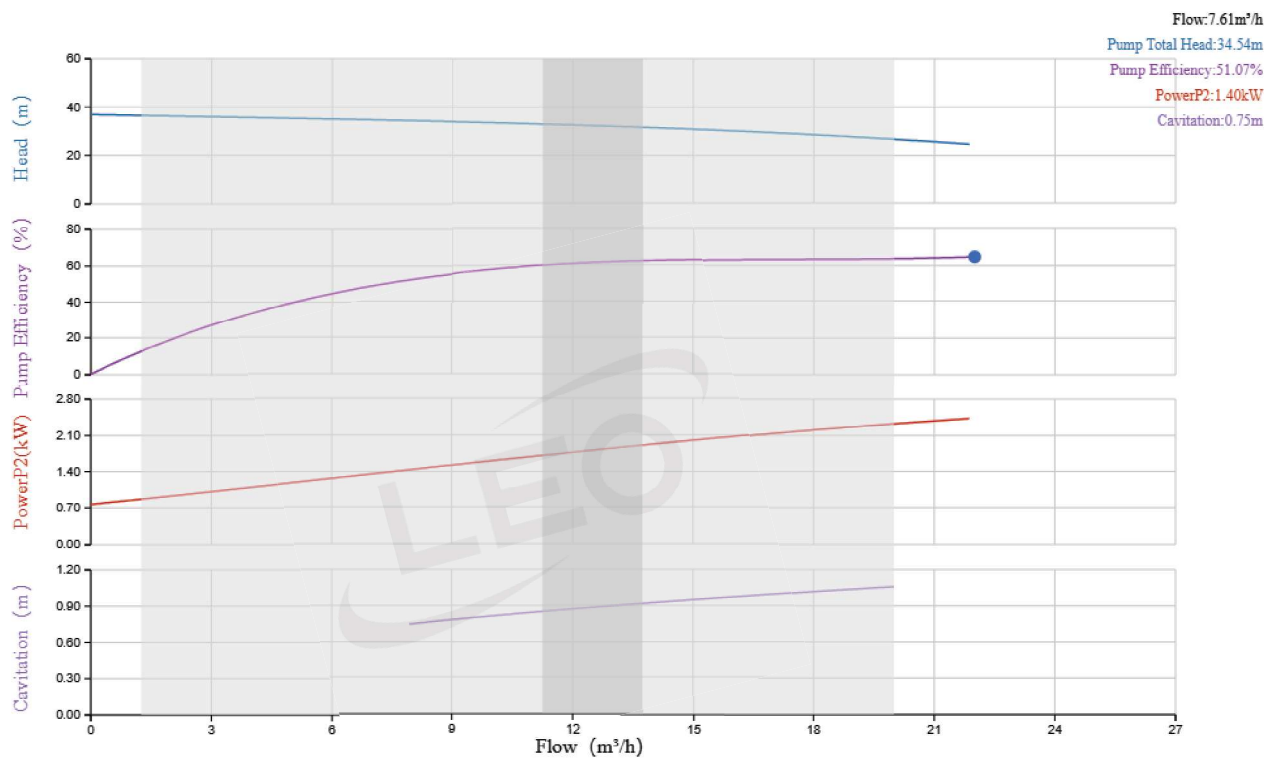
Weight/Packaging

Gross weight(kg):	35	Package size(mm):	535*285*365
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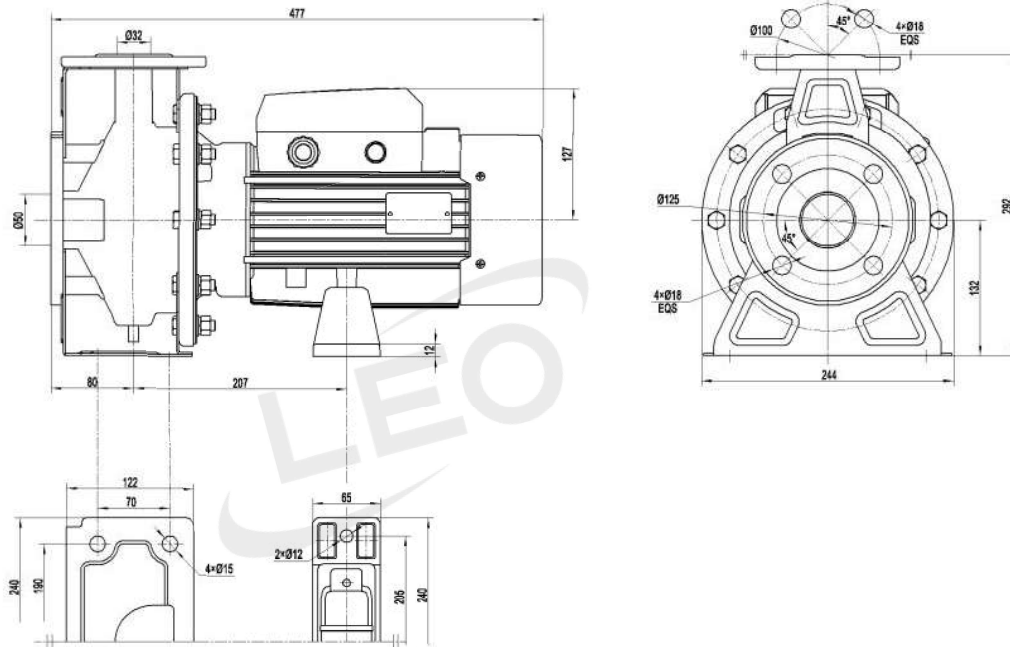
Area Range Parameters

Max Q(m ³ /h):	20.0	Allowable Minimum (m ³ /h):	1.25
Allowable Maximum (m ³ /h):	20.0	Min Value Optimal area (m ³ /h):	11.25
Max Value Optimal area (m ³ /h):	13.75		

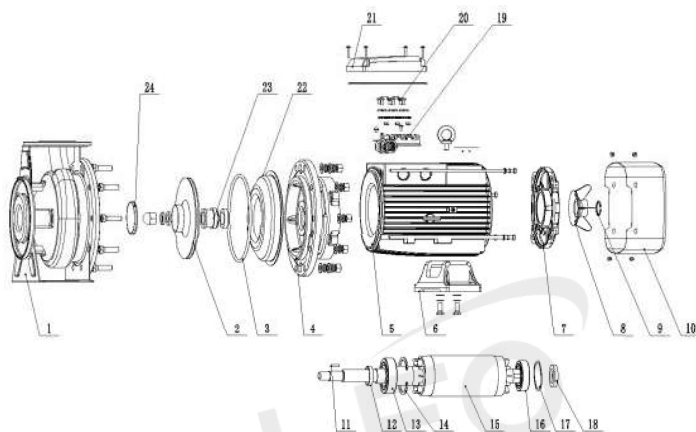
Performance Curve



Shape & Size



Exploded View



24	Floting sealing ring	PP-42
23	Mechanical seal	
22	Back cover	1151394
21	Cover box cover	AUC-2
20	Assembly of impeller with box	
19	Impeller assembly	
18	Oil seal	
17	Wave spring	5106
16	Deep Groove Ball Bearings	
15	Roller	
14	Elastic retaining ring for shaft 18	5106
13	Deep Groove Ball Bearings	
12	Oil seal	
11	Key	1151394
10	cover	5106
9	Elastic retaining ring for shaft 18	5106
8	Flange	PP-42
7	Rear end cover	AUC-2
6	Motor support	07206
5	Motor	
4	Bracket	07208
3	O-ring	108
2	Impeller	1151394
1	Pump inlet	1151394
No.	Chinese Name	Material
	Part Name	



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