

PRODUCT SELECTION REPORT

Model:EDHm4-20

Name:Stainless Steel Horizontal
Multistage Pump



LEO GROUP PUMP CO.,LTD.

2025.3.13

Project Name: Koslan

Personal Name: Koslan
Company Address:

Company Name:

Website: www.leopump.com
Company Name:

Product Model: EDHm4-20
LEO GROUP PUMP CO., LTD.

Product Recommendations

Power(kW): 0.55 Flow(m³/h): 4.5 Head(m): 15

Based on provided information and product parameters, LEO PUMP recommends model:
EDHm4-20

Introduction

Application

It is applicable to household water supply, equipment support, pipeline pressurization, garden watering, vegetable greenhouse watering, fish farming and poultry raising, industrial and mining, water supply and drainage of enterprises and high-rise buildings, central air conditioner and centralized heating circulation system, etc.

Pump

AISI 304 shaft;
Max. liquid temperature: +85°C;
Altitude: up to 1000m;
Max. suction: 8m;
Max. inlet pressure: limited by max. operating pressure;
Max. operating pressure: 10 bar;
Liquid PH Value: 4-10.

Motor

IE2 motor (IE3 motor available on request) Motor with copper winding;
Built-in thermal protector for single phase motor;
Insulation class: F;
Protection class: IP55;
Max. ambient temperature: +40°C.

Product Parameters

Nameplate

Pump flow rate(m³/h): 4.5
Speed(rpm): 2850

Total manometric head H(m): 15

Technical

Motor power(kW):	0.55	Curve tolerance:	ISO 9906 AnnexA
Maximum lift(m):	18	Maximum use flow(m ³ /h):	7
Impeller diameter(mm):	90		

Material

Impeller:	AISI304	Diffuser:	AISI304
Pump body:	AISI304	Bottom plate:	Q235
Fan cover:	Steel	Chassis:	Aluminum
Shaft sleeve:	AISI304	Rear end cover:	Aluminum
Bracket:	Aluminum	Fan:	Plastic
Cover box:	Aluminum		
Mechanical seal:			Silicon/Graphite/NBR/AISI 304

Working conditions

Max. ambient temperature(°C):	40	Max. liquid temperature(°C):	85
Max. Operating Pressure(Mpa):	10bar		
Pumped medium:			
Clean, thin, non-corrosive, non-flammable, non-explosive, Not easy vaporization, Liquid without solid particles and fibers. The liquid can not react with the pump material			

Installation

Pipe Diameter(mm):	32×32		
Connection standard:			Threaded connection

Motor

Motor phase:	Single phase	Protection class:	IP55
Motor poles:	2	Insulation class:	F
Motor power(kW) :	0.55	Frequency(Hz):	50
Rated voltage(V):	220-240	Drive end bearing:	6302
Non-drive end bearing:	6202	Starting current(A):	12

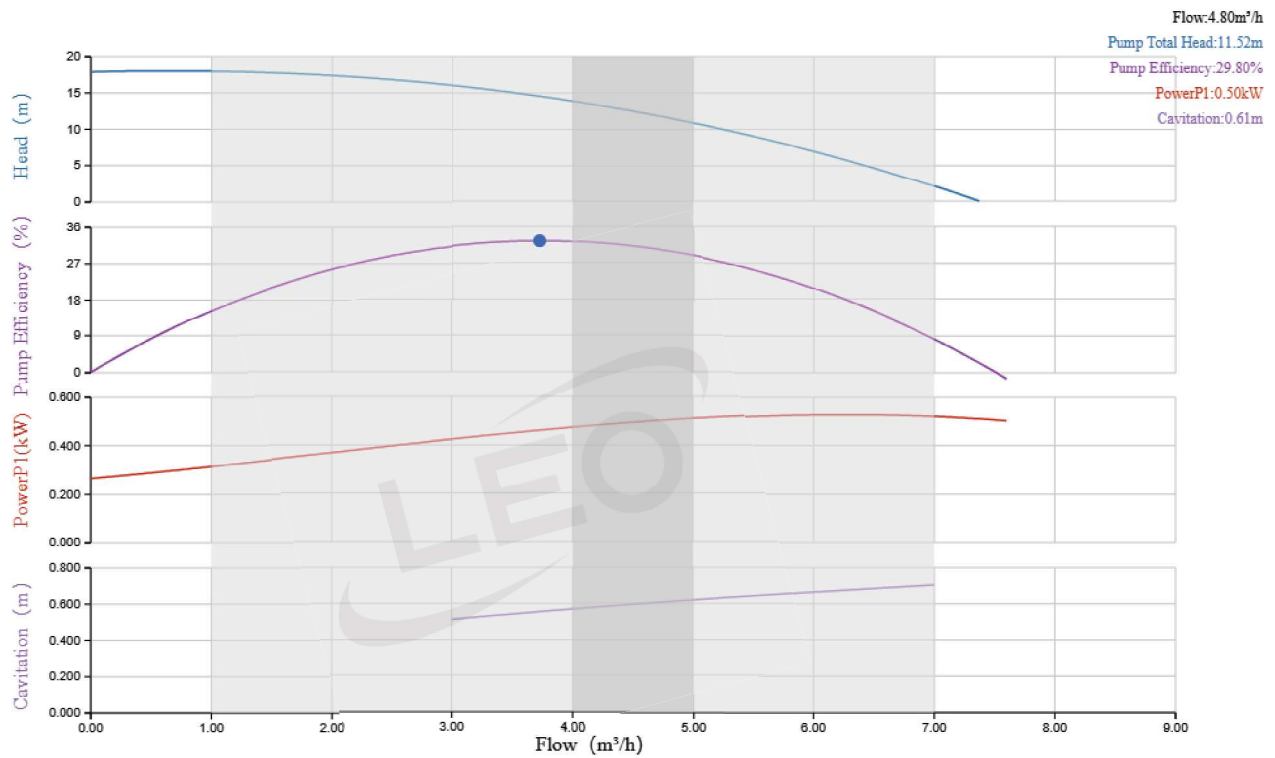
Weight/Packaging

Gross weight(kg):	11.5	Package size(mm):	465*225*270
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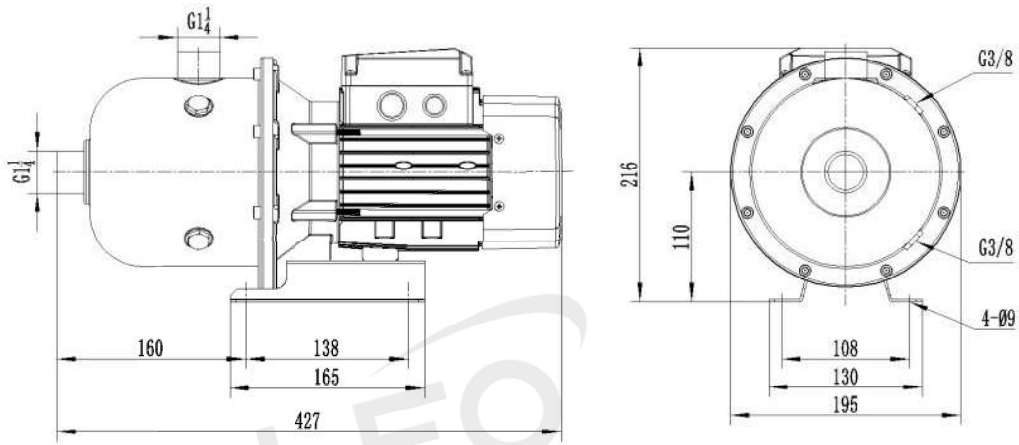
Area Range Parameters

Max Q(m ³ /h):	0.0	Allowable Minimum (m ³ /h):	1.0
Allowable Maximum (m ³ /h):	7.0	Min Value Optimal area (m ³ /h):	4.0
Max Value Optimal area (m ³ /h):	5.0		

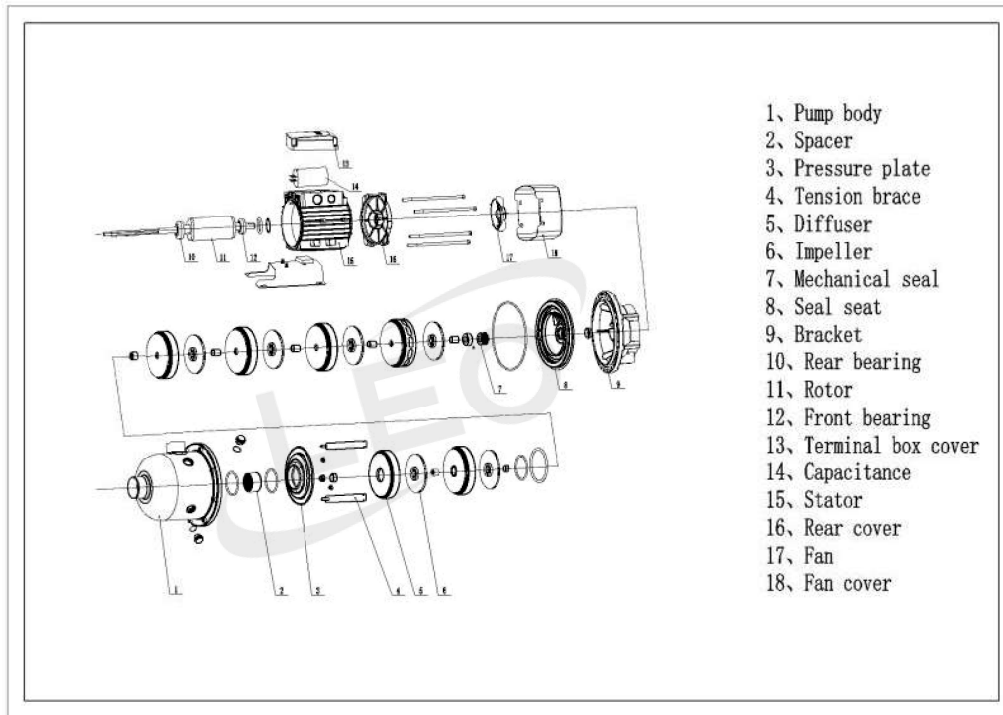
Performance Curve



Shape & Size



Exploded View





LEO PUMP GROUP CO.,LTD.

📍 Headquarter Address:
No.505,23rd Street,Qiantang District,Hangzhou,Zhejiang,310020, P.R.China

Base Address:
No.1,3rd Street,East Industry Center, Wenling,Zhejiang,317511,P.R.China
No.9 Jiuhua Road,Jiuhua Eco-Tec Development Area,Yuhu District,Xiangtan,Hunan,411202,P.R.China
No.19 Changshun Road,Changcheng Street,Lushunkou District,Dalian,Liaoning,116049,P.R.China

🌐 www.leopump.com ✉ export@leopump.com

☎ +86-576-8998 6556 📠 +86-576-8998 9898

* LEO reserves all the right of products modification without prior notification



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