

PRODUCT SELECTION REPORT

Model: 50WQD10-10-1.1TM/QG
Name: Submersible Sewage Pump



LEO GROUP PUMP CO.,LTD.

2025.10.13

Project Name: Koslan

Personal Name: Koslan
Company Address:

Company Name:

Website: www.leopump.com
Company Name:

Product Model: 50WQD10-10-1.1TM/QG
LEO GROUP PUMP CO., LTD.

Product Recommendations

Flow(m³/h): 10 Head(m): 10 Power(kW): 1.1

Based on provided information and product parameters, LEO PUMP recommends model:
50WQD10-10-1.1TM/QG

Introduction

Application

Wastewater drainage in factories, construction sites and commercial facilities;
Drainage system in municipal sewage treatment plants;
Drainage station in residential quarters;
Municipal projects;
Methane pools and field irrigation in countryside.

Pump

Cable Length: Standard with 10m;
All electrophoresis casting parts. High strength cutting system;
Flexible installations with hoses, pipes or quick-coupling;
Double-end mechanical seal;
Stainless Steel welded shaft;
Liquid density $\leq 1.2 \times 10^3 \text{ kg/m}^3$;
Liquid temperature: 0 - 40°C;
Liquid PH value: 4 - 10;
Max. immersion Depth: 5m.

Product Parameters

Nameplate

Pump flow rate(m ³ /h):	10	Total manometric head H(m):	10
Overall efficiency(%):	18.91	Speed(rpm):	3000

Technical

Motor power(kW):	1.1	Curve tolerance:	GB/T 3216 AppendixA
Maximum lift(m):	17.5	Maximum use flow(m ³ /h):	13
Pump power input(kW):	1.441		

Material

Impeller:	HT200	Pump body:	HT200
Cylinder head:	HT200	Chassis:	HT200
Upper bearing seat:	HT200	Up cover:	HT200
Mechanical seal:		Upper: Ceramic/Carbon, &Lower: Sic/Carbon	

Working conditions

Max. liquid density(Kg/m ³):	1.05X10 ³ Kg/m ³	Max. ambient temperature(°C):	40
Max. liquid temperature(°C):	40	Max. Operating Pressure:	PN6
Max. immersion depth(m):	5		
Pumped medium:	It can pump sewage containing long fibers, plastic bags, cloth gloves, etc.		

Installation

Connection standard:	Hose connection	Pipe Diameter(mm):	50
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Motor

Motor phase:	Single phase	Protection class:	IP68
Motor poles:	2	Insulation class:	F
Motor power(kW) :	1.1	Frequency(Hz):	50
Rated voltage(V):	220	Rated current(A):	7.2
Power factor:	0.93	Drive end bearing:	6204
Non-drive end bearing:	6203	Starting current(A):	30

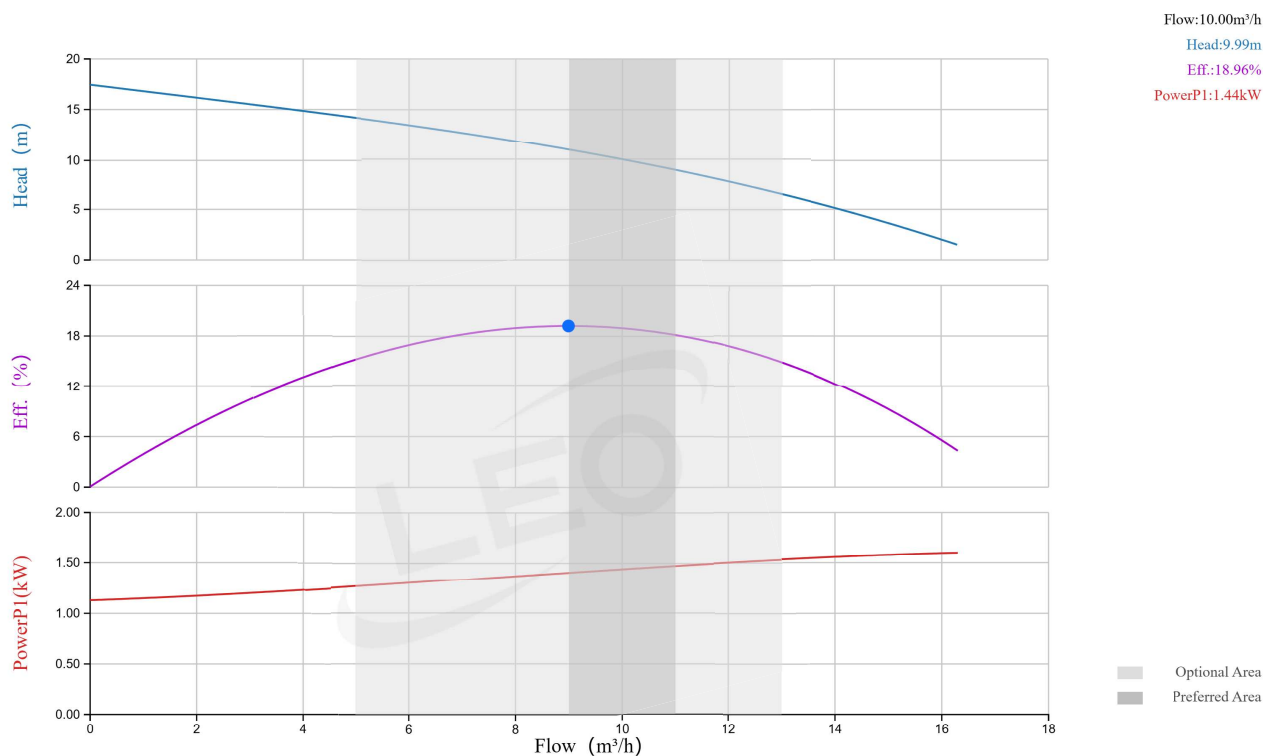
Weight/Packaging

Gross weight(kg):	26	Package size(mm):	544*269*244
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Area Range Parameters

Max Q(m ³ /h):	13.0	Allowable Minimum (m ³ /h):	5.0
Allowable Maximum (m ³ /h):	13.0	Min Value Optimal area (m ³ /h):	9.0
Max Value Optimal area (m ³ /h):	11.0		

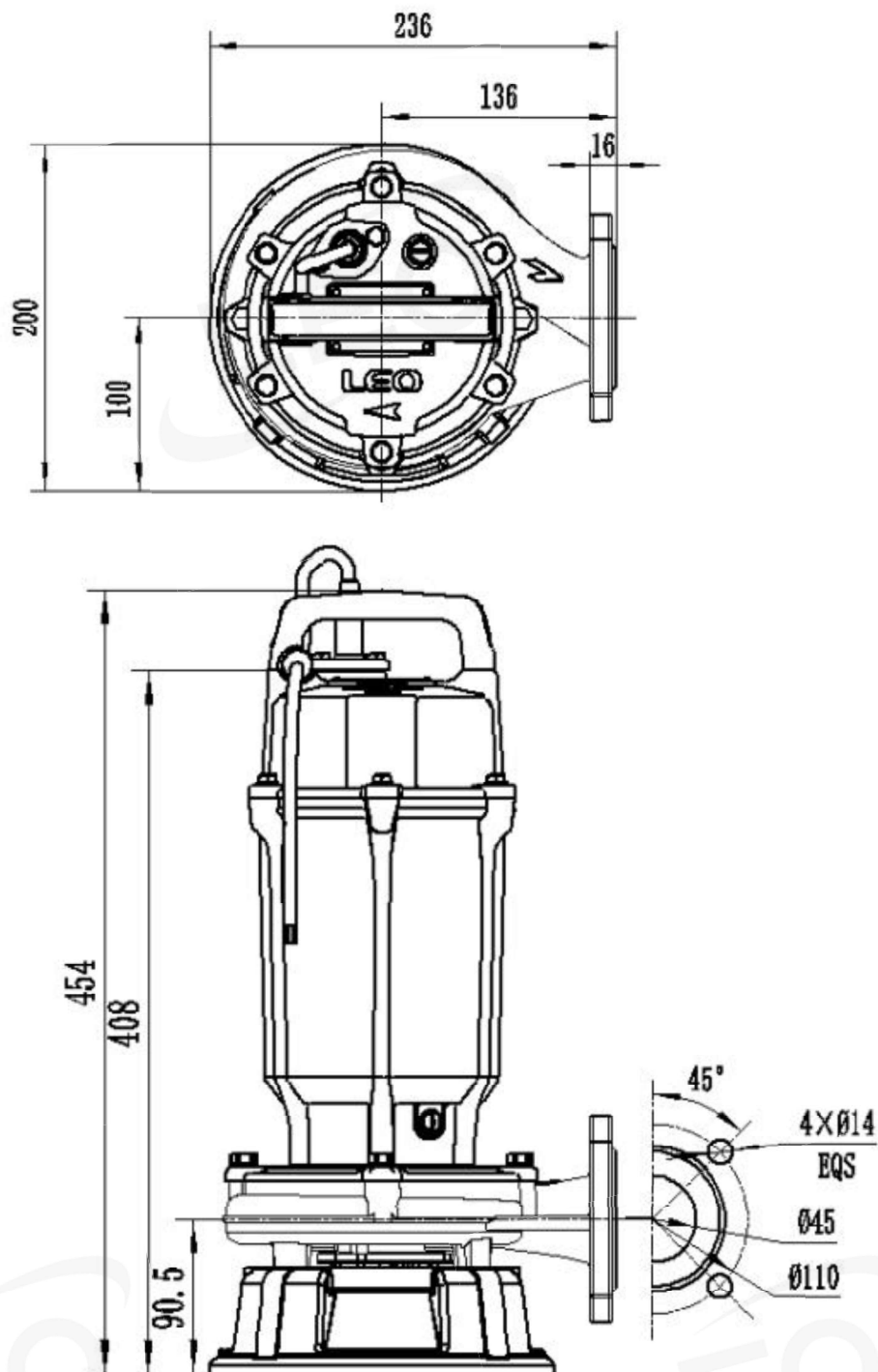
Performance Curve



Basic Parameters

	Pump flow rate(m³/h)	Total manometric head H(m)	Overall efficiency(%)	Pump power input(kW)
Rated Point	10.00	10.00	18.91	1.441
Work Point	10.00	9.99	18.96	1.44
Minimum Allowed Point	5.00	14.17	15.24	1.26
Maximum Allowed Point	13.00	6.52	14.88	1.53
Optimal Working Area (Small)	9.00	10.95	19.22	1.40
Optimal Working Area (Large)	11.00	8.93	18.15	1.47

Shape & Size





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