PRODUCT SELECTION REPORT

Model:65SWU30-16-4L
Name:Submersible Sewage Pump



LEO GROUP PUMP CO.,LTD.

2025.10.13

Project Name:	Koslan		
Personal Name:	Koslan	**Company Name:**	
Company Address:			
Website:	www.leopump.com	**Product Model:**	65SWU30-16-4L
Company Name:			LEO GROUP PUMP CO., LTD.

Product Recommendations

Flow(m^3/h): 30 **Head(m):** 16 **Power(kW):** 4

Based on provided information and product parameters, LEO PUMP recommends model: 65SWU30-16-4L

Introduction

Application
• Drainage of wastewater from the attenuation tank, purifyiing tank and sewage tank in water treatment plant
• Drainage of waste water containing fibrous additives fromleather factory and food processing factory
• Sewage management, accumulated water, septic tank, stoock farm
• Pumping sewage form hotels, restaurants, schools and public buildings

Pump
• Open vortex impeller, suitable for liquid containing impurities and long fiber substance
• Flexible installations with hoses, pipes or quick-coupling ssystems
• Double-end mechanical seal
• Stainless steel welded shaft
• Liquid temperature: 0 - 40 °C
• Liquid PH value: 4 - 10
• Max. immersion depth:10 m

Motor
• Frequency/Pole number: 50 Hz/2
• Insulation class: F
• Enclosures class: IP68
• Bearing: Ball type

Product Parameters

Nameplate

Pump flow rate(m^3/h):	30	Total manometric head H(m):	16
Overall efficiency(%):	32.9	Speed(rpm):	2900

Technical

Motor power(kW):	4	Curve tolerance:	GB/T 3216 AppendixA

Maximum lift(m):	24	Maximum use flow(m³/h):	50
Pump power input(kW):	4.044		

Material

Impeller:	HT200	Pump body:	HT200
Pump shaft:	06Cr19Ni10+45#	Pump cover:	HT200
Upper bearing seat:	HT200	Guide:	06Cr19Ni10
Hanging chain:	06Cr19Ni10	Coupling mounting base:	HT200
Up cover:	HT200	Motor casing:	HT200
Mechanical seal:			Double mechanical seaWQ-25

Working conditions

Medium temperature high(°C):	≤40	Max. Particles Size(mm):	55
PH value of medium:	4 ~ 10	Max. liquid density(Kg/m³):	1.3X10³Kg/m³
Max. ambient temperature(°C):	40	Max. Operating Pressure:	PN6
Volume ratio of solid phase:	0.03	Flange rating:	PN6
Max. immersion depth(m):	5		

Pumped medium:

Capable of pumping sludge water containing solid particles, sewage, construction wastewater, and industrial effluents

Installation

Coupling Model:	SW65-65(PN6)	Installation:	Wet installation
Outlet diameter(mm):	65	Connection standard:	Hose connection
Flange Standard:	GB/T 17241.6	Pipe Diameter(mm):	65
Installation form:	Vertical	Optional accessories:	Hose bend

Motor

Motor phase:	Three phase	Protection class:	IP68
Motor poles:	2	Insulation class:	F
Motor power(kW) :	4	Frequency(Hz):	50
Rated voltage(V):	380	Rated current(A):	9
Power factor:	0.87	Drive end bearing:	6306
Non-drive end bearing:	6304	Cable length(m):	10
Outer diameter of stator(mm):	155	Starting current(A):	61

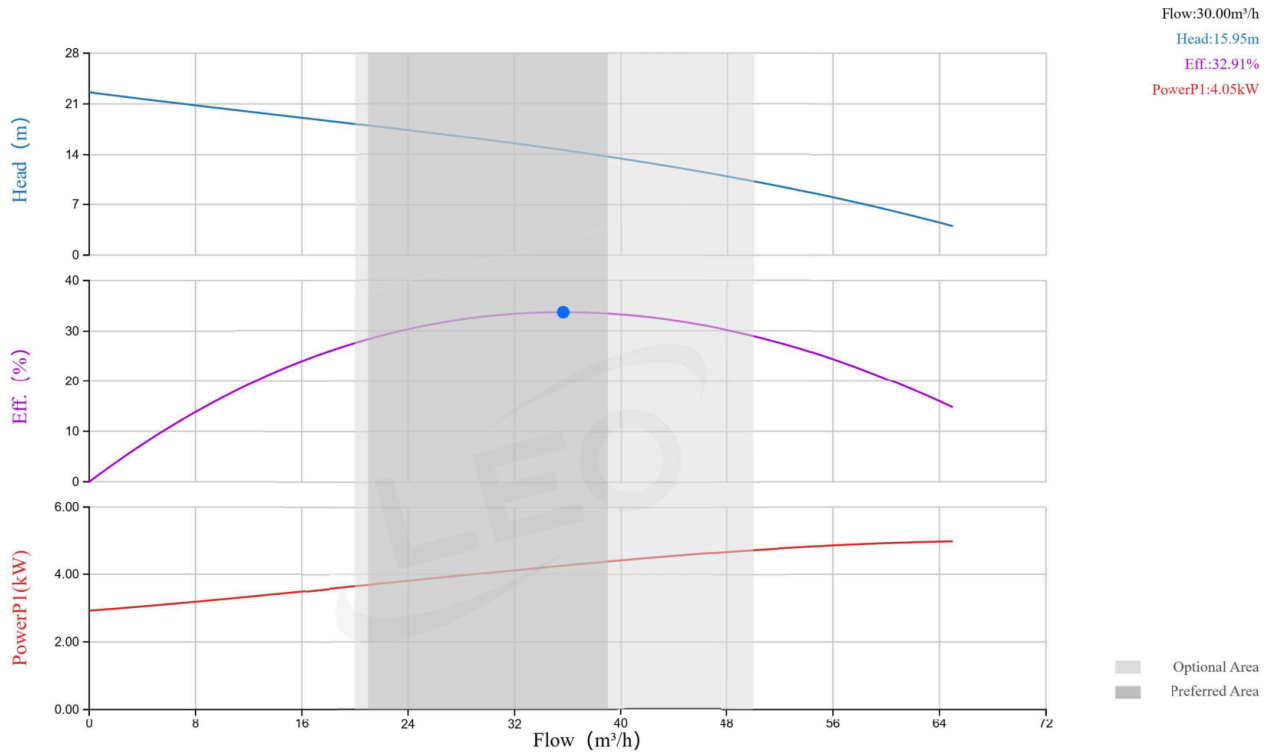
Weight/Packaging

Gross weight(kg):	68.6	Package size(mm):	874*284*363

Area Range Parameters

Max Q(m³/h):	50.0	Allowable Minimum (m³/h):	20.0
Allowable Maximum (m³/h):	50.0	Min Value Optimal area (m³/h):	21.0
Max Value Optimal area (m³/h):	39.0		

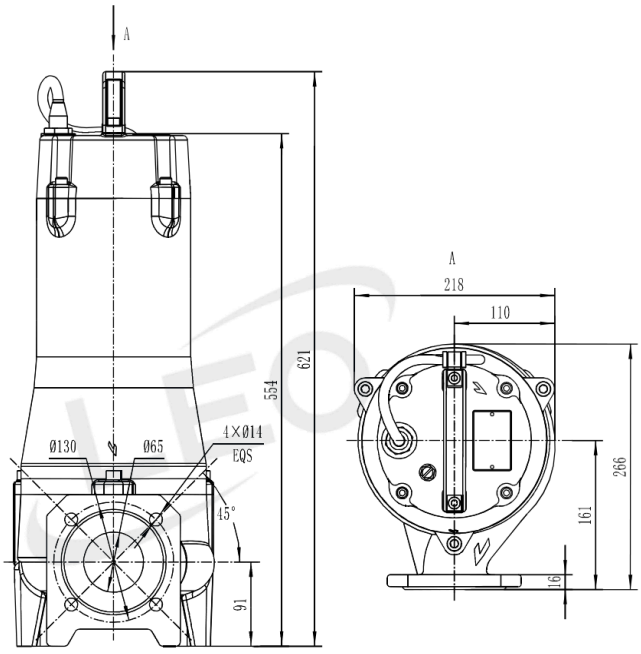
Performance Curve



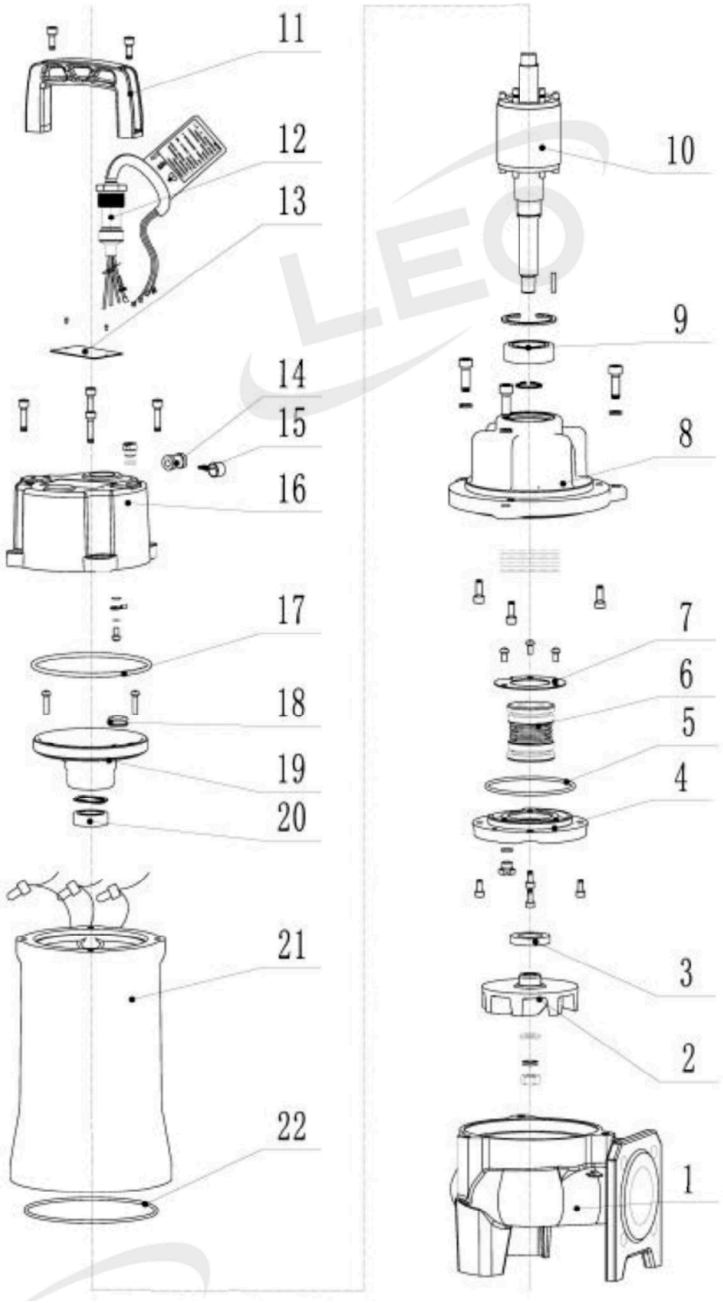
Basic Parameters

	Pump flow rate(m³/h)	Total manometric head H(m)	Overall efficiency(%)	Pump power input(kW)
Rated Point	30.00	16.00	32.9	4.044
Work Point	30.00	15.95	32.91	4.05
Minimum Allowed Point	20.00	18.23	27.52	3.64
Maximum Allowed Point	50.00	10.22	28.94	4.72
Optimal Working Area (Small)	21.00	18.01	28.30	3.68
Optimal Working Area (Large)	39.00	13.65	33.40	4.38

Shape & Size



Exploded View



№	Part Name	Material
22	Stator	NBR
21	Bearing	
20	Upper bearing cover	
19	outlet mouth	HT200
18	O_sealing ring	NBR
17		NBR
16	Top cover	HT200
15	Cable clamp	304
14	Cable protective case	NBR
13	Name plate	304
12	Warning label	
11	Handle	304
10	Rotor	
9	Bearing	
8	oil chanber	HT200
7	Plate	
6	Double mechannical seal	
5	O_sealing ring	NBR
4	Pump cover	HT200
3	Skeleton oil seal	
2	Impeller	HT200
1	Pump body	HT200

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

Exploring More by Scanning!

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