

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 Address:

Company Name:

Website: www.leopump.com
Company Name:

Product Model: 65SWU30-16-4L
LEO GROUP PUMP CO., LTD.

Product Recommendations

Flow(m³/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, purifying tank and sewage tank in water treatment plant
- Drainage of waste water containing fibrous additives from leather factory and food processing factory
- Sewage management, accumulated water, septic tank, stock farm
- Pumping sewage from 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 systems
- 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(m³/h): 30
Overall efficiency(%): 32.9

Total manometric head H(m): 16
Speed(rpm): 2900

Technical

Motor power(kW): 4

Curve tolerance: GB/T 3216 Appendix A

Maximum lift(m): 24
Pump power input(kW): 4.044

Maximum use flow(m³/h): 50

Material

Impeller: HT200
Pump shaft: 06Cr19Ni10+45#
Upper bearing seat: HT200
Hanging chain: 06Cr19Ni10
Up cover: HT200
Mechanical seal:

Pump body: HT200
Pump cover: HT200
Guide: 06Cr19Ni10
Coupling mounting base: HT200
Motor casing: HT200
Double mechanical seaWQ-25

Working conditions

Medium temperature high(°C): ≤40
PH value of medium: 4 ~ 10
Max. ambient temperature(°C): 40
Volume ratio of solid phase: 0.03
Max. immersion depth(m): 5

Max. Particles Size(mm): 55
Max. liquid density(Kg/m³): 1.3X10³Kg/m³
Max. Operating Pressure: PN6
Flange rating: PN6

Pumped medium:

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

Installation

Coupling Model: SW65-65(PN6)
Outlet diameter(mm): 65
Flange Standard: GB/T 17241.6
Installation form: Vertical

Installation: Wet installation
Connection standard: Hose connection
Pipe Diameter(mm): 65
Optional accessories: Hose bend

Motor

Motor phase: Three phase
Motor poles: 2
Motor power(kW): 4
Rated voltage(V): 380
Power factor: 0.87
Non-drive end bearing: 6304
Outer diameter of stator(mm): 155

Protection class: IP68
Insulation class: F
Frequency(Hz): 50
Rated current(A): 9
Drive end bearing: 6306
Cable length(m): 10
Starting current(A): 61

Weight/Packaging

Gross weight(kg): 68.6

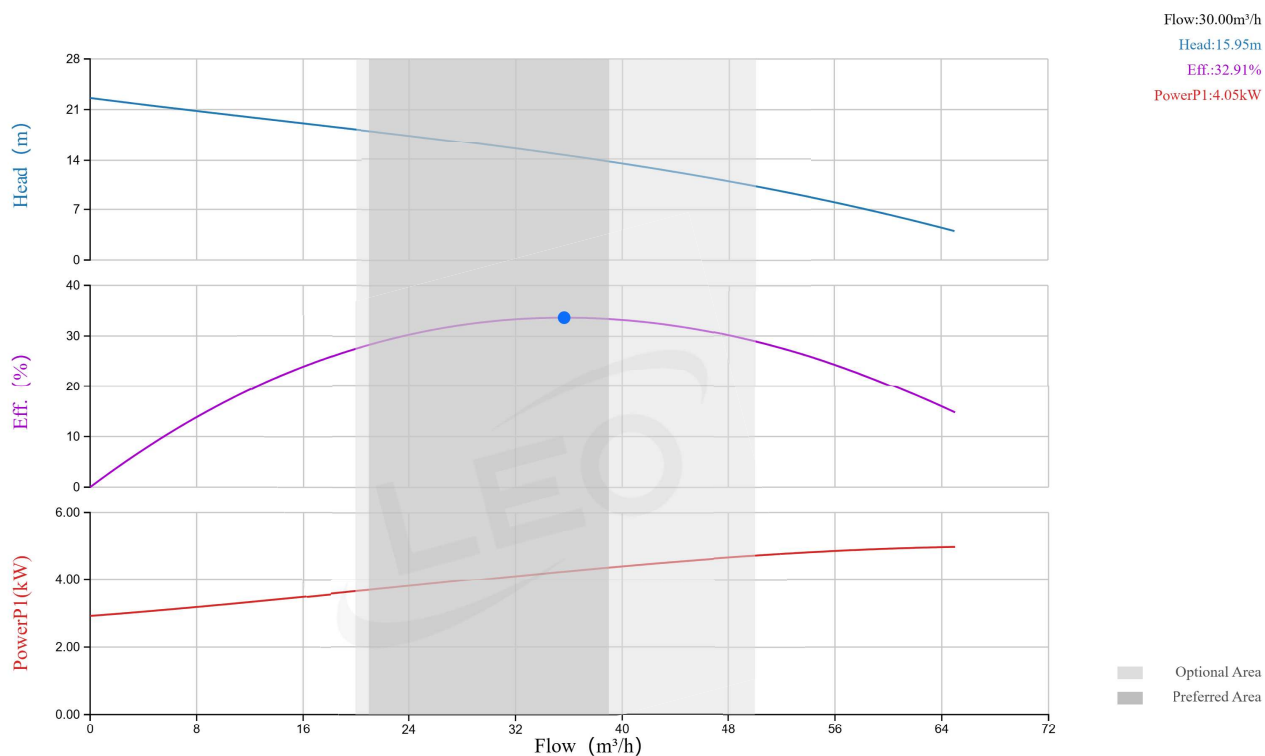
Package size(mm): 874*284*363

Area Range Parameters

Max Q(m³/h): 50.0
Allowable Maximum (m³/h): 50.0
Max Value Optimal area (m³/h): 39.0

Allowable Minimum (m³/h): 20.0
Min Value Optimal area (m³/h): 21.0

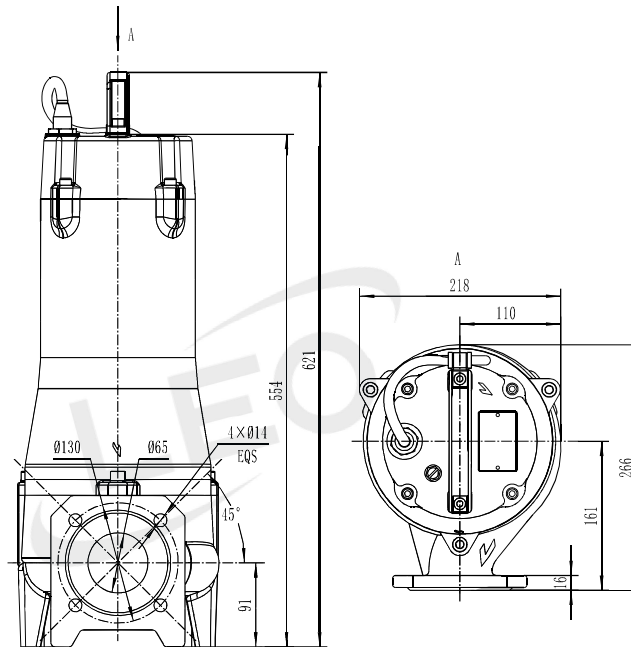
Performance Curve



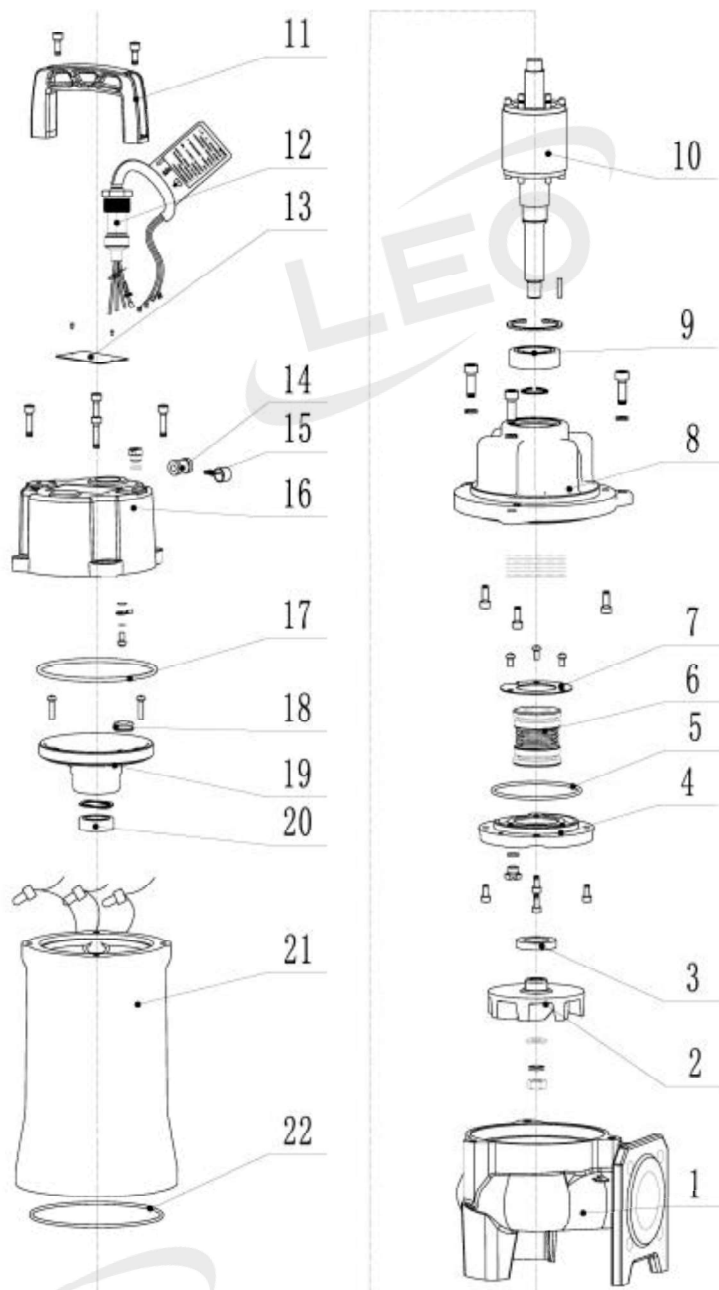
Basic Parameters

	Pump flow rate(m ³ /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



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
No	Part Name	Material



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