

# PRODUCT SELECTION REPORT

Model: LSWm100A

Name: Sewage Submersible Pump



**LEO GROUP PUMP CO.,LTD.**

2025.7.9

Project Name:

Personal Name:  
Company Address:

Company Name:

Website: www.leopump.com  
Company Name:

Product Model: LSWm200A  
LEO GROUP PUMP CO., LTD.

## Product Recommendations

|            |      |                          |    |
|------------|------|--------------------------|----|
| Power(kW): | 0.75 | Flow(m <sup>3</sup> /h): | 10 |
| Head(m):   | 11   |                          |    |

Based on provided information and product parameters, LEO PUMP recommends model:  
**LSWm100A**

## Introduce

### Application

LSW series submersible sewage pumps are suitable for buildings, hospitals, residential quarters, municipal engineering, road traffic and construction, factory sewage, sewage treatment, and other occasions. It is used to discharge wastewater, rainwater, and sewage containing solid particles.

### Pump

Stainless steel shell  
Cast Iron Pump body with special anti-rust treatment  
Fixed cable with unique design  
AISI 304 shaft  
Max. liquid temperature: 40°C  
Max. immerse depth: 5m

### Motor

Motor with copper winding  
Built-in thermal protector for single phase motor  
Insulation class: F  
Enclosures class: IPX8

## Product Parameters

### Nameplate

|                                    |      |                             |    |
|------------------------------------|------|-----------------------------|----|
| Pump flow rate(m <sup>3</sup> /h): | 10   | Total manometric head H(m): | 11 |
| Speed(rpm):                        | 2850 |                             |    |

### Technical

|                        |      |                                      |                 |
|------------------------|------|--------------------------------------|-----------------|
| Motor power(kW):       | 0.75 | Curve tolerance:                     | ISO 9906 AnnexA |
| Maximum lift(m):       | 17   | Maximum use flow(m <sup>3</sup> /h): | 19              |
| Impeller diameter(mm): | /    |                                      |                 |

### Material

|                  |                 |                 |                           |
|------------------|-----------------|-----------------|---------------------------|
| Impeller:        | HT200           | Connector       | ABS                       |
| Pump body:       | HT200           | Upper cover:    | ADC12                     |
| Pump cover:      | Stainless steel | Chassis:        | /                         |
| Shaft sleeve:    | /               | Rear end cover: | /                         |
| Bracket:         | /               | Fan2:           | /                         |
| Cover box:       | /               |                 |                           |
| Mechanical seal: |                 |                 | SiC/Carbon+Carbon/Ceramic |

### Working conditions

|                               |   |                              |    |
|-------------------------------|---|------------------------------|----|
| Max. ambient temperature(°C): | / | Max. liquid temperature(°C): | 40 |
| Max. Operating Pressure(Mpa): | / |                              |    |
| Pumped medium:                | / |                              |    |

### Installation

|                      |    |  |                     |
|----------------------|----|--|---------------------|
| Pipe Diameter(mm):   | 50 |  |                     |
| Connection standard: |    |  | Threaded connection |

### Motor

|                        |              |                      |      |
|------------------------|--------------|----------------------|------|
| Motor phase:           | Single phase | Protection class:    | IPX8 |
| Motor poles:           | 2            | Insulation class:    | F    |
| Motor power(kW) :      | 0.75         | Frequency(Hz):       | 50   |
| Rated voltage(V):      | 220          | Drive end bearing:   | /    |
| Non-drive end bearing: | /            | Starting current(A): | /    |

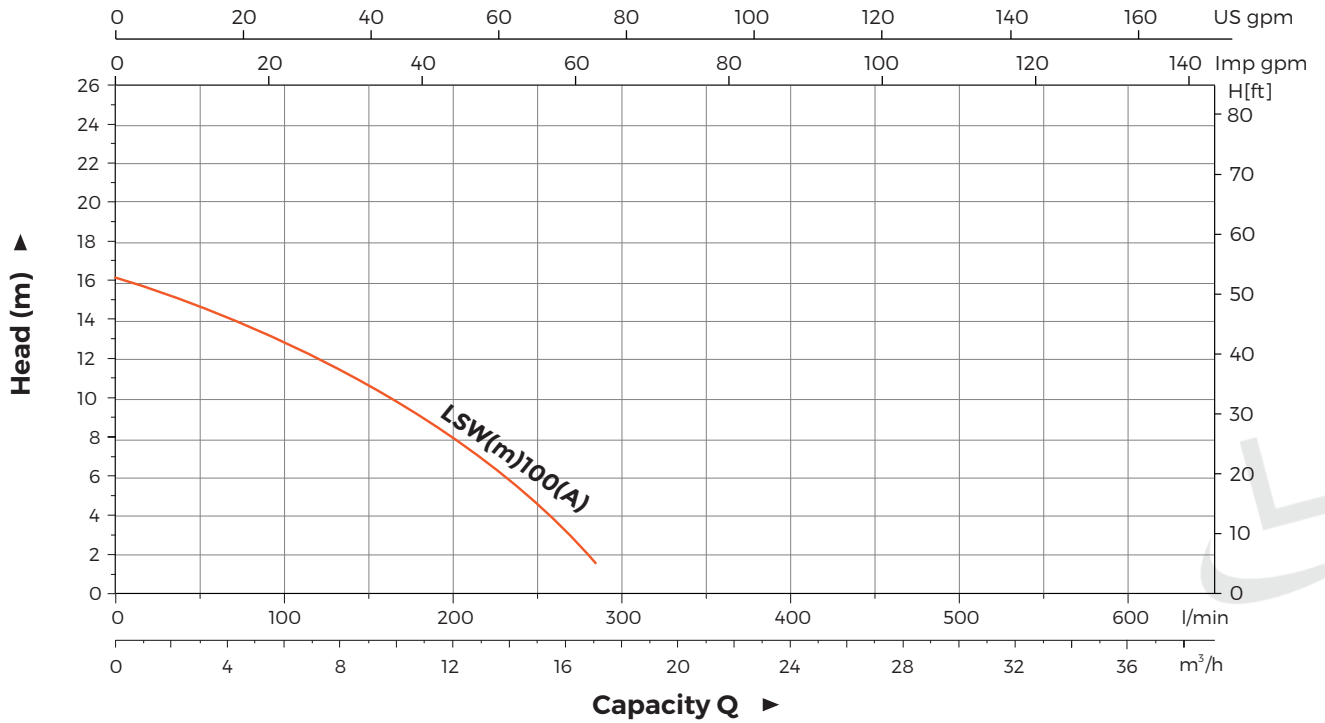
### Weight/Packaging

|                   |      |                   |             |
|-------------------|------|-------------------|-------------|
| Gross weight(kg): | 14.5 | Package size(mm): | 310*230*475 |
|-------------------|------|-------------------|-------------|

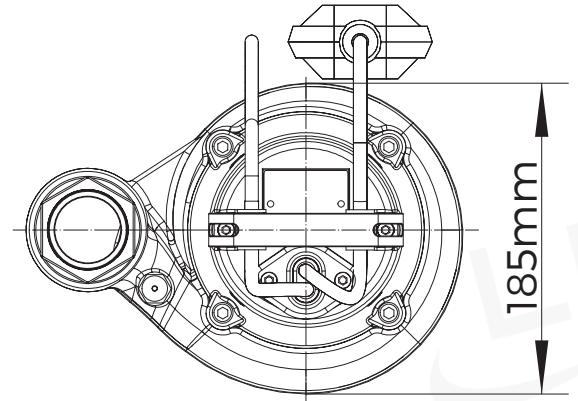
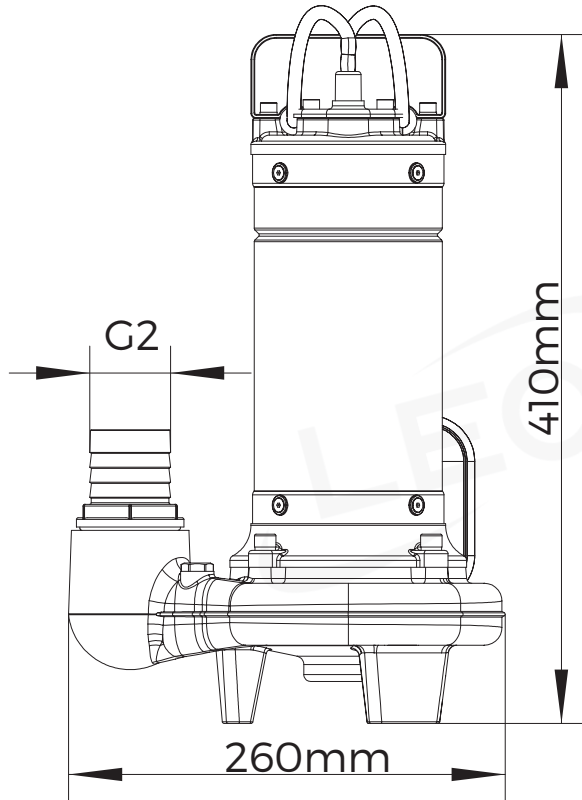
### Area Range Parameters

|                                             |   |                                             |   |
|---------------------------------------------|---|---------------------------------------------|---|
| Max Q(m <sup>3</sup> /h):                   |   | Allowable Minimum (m <sup>3</sup> /h):      | / |
| Allowable Maximum (m <sup>3</sup> /h):      | / | Min Value Optimal area (m <sup>3</sup> /h): | / |
| Max Value Optimal area (m <sup>3</sup> /h): | / |                                             |   |

# Performance Curve



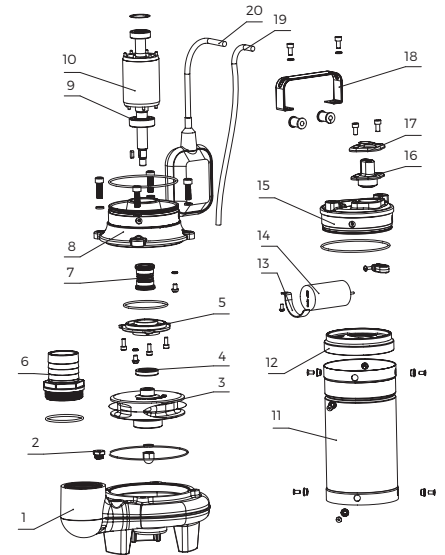
## Shape & Size



## Exploded View

| No. | Part              | Material                      |
|-----|-------------------|-------------------------------|
| 1   | Pump body         | HT 200                        |
| 2   | Exhaust valve     | HP59-1                        |
| 3   | Impeller          | HT 200                        |
| 4   | Oil seal          |                               |
| 5   | Oil chamber cover | HT 200                        |
| 6   | Connector         | ABS                           |
| 7   | Mechanical seal   | SiC/Carbon<br>+Carbon/Ceramic |
| 8   | Oil chamber       | HT 200                        |
| 9   | Bearing           |                               |
| 10  | Rotor             | 45# + AISI 304                |

| No. | Part            | Material |
|-----|-----------------|----------|
| 11  | Stator          |          |
| 12  | Upper cover     | ADC 12   |
| 13  | Capacitor clamp | Q235     |
| 14  | Capacitor       |          |
| 15  | Top cover       | HT 200   |
| 16  | Cable sheathing | Neoprene |
| 17  | Cable cover     | AISI 304 |
| 18  | Handle          | AISI 304 |
| 19  | Cable line      |          |
| 20  | Float switch    |          |





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