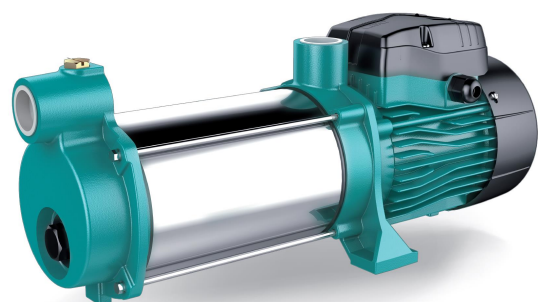


# 3(4,5)ACSmS centrifugal pump Self-priming multicellulaire en fonte



## Application

- Transfer of clear water or other liquids chemically and physically comparable to water
- Suitable for industrial use and water supply, overpressure, long distance water transfer, etc ...

## Pompe

- Self-priming
- Stainless steel lined pump body
- Special anti-rust treatment (cataphoresis) of cast iron parts
- AISI 304 stainless steel shaft
- Maximum liquid temperature: +40°C
- Maximum suction height: 8 m

## Moteur

- Integrated thermal protection for single-phase motors
- Insulation class: F
- Protection class: IPX4
- Maximum ambient temperature: +40°C
- IE2 motor (three-phase, motor > 0.75 kW)

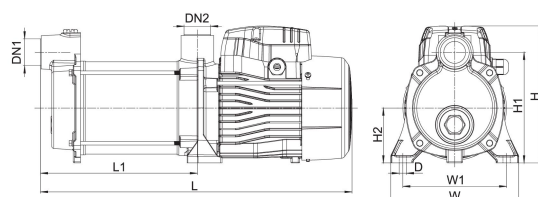
## Identification codes

|          |            |          |            |          |                               |
|----------|------------|----------|------------|----------|-------------------------------|
| <b>3</b> | <b>ACS</b> | <b>m</b> | <b>100</b> | <b>S</b> |                               |
|          |            |          |            |          | Stainless steel jacket        |
|          |            |          |            |          | turbine Ø                     |
|          |            |          |            |          | Single-phase motor            |
|          |            |          |            |          | centrifugal pump Self-priming |
|          |            |          |            |          | number of turbines            |

## Technical data

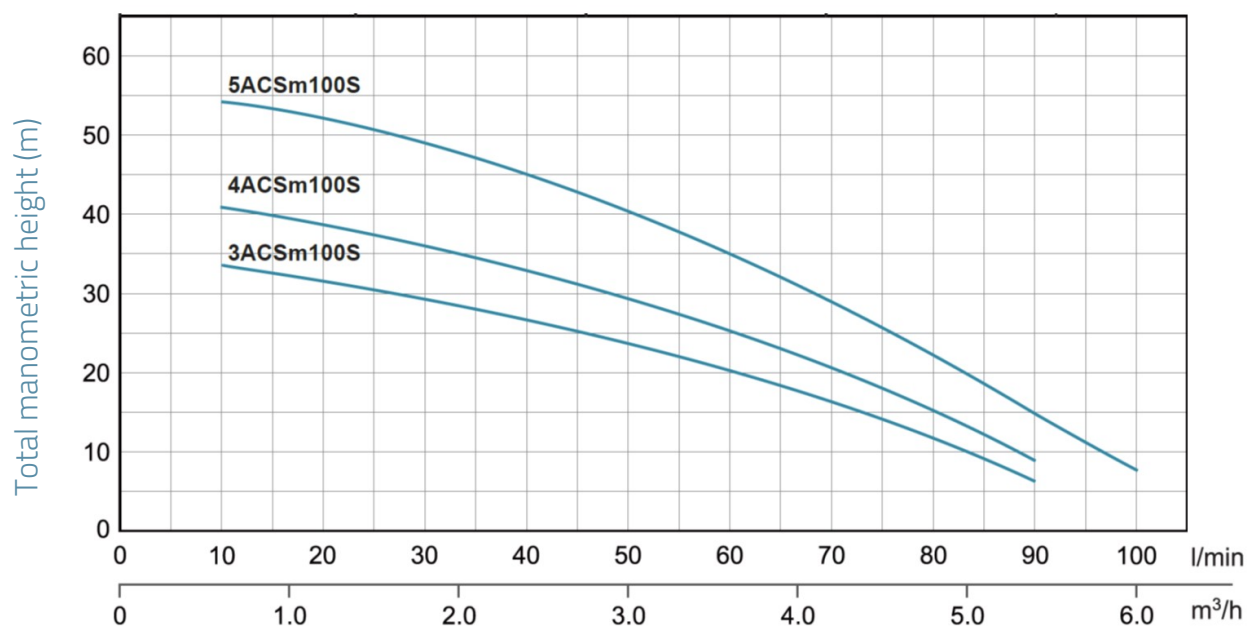
| MODEL            | kW   | Q (m³/h)  |    |      |      |    |      |    |      |    |      |    |     |
|------------------|------|-----------|----|------|------|----|------|----|------|----|------|----|-----|
|                  |      | Q (l/min) | 0  | 10   | 20   | 35 | 40   | 50 | 60   | 70 | 80   | 90 | 100 |
| <b>3ACSm100S</b> | 0.6  |           | 35 | 33.5 | 31.5 | 29 | 26.5 | 24 | 20.5 | 16 | 12   | 7  |     |
| <b>3ACS100S</b>  | 0.6  |           | 35 | 33.5 | 31.5 | 29 | 26.5 | 24 | 20.5 | 16 | 12   | 7  |     |
| <b>4ACSm100S</b> | 0.75 |           | 45 | 41   | 38.5 | 36 | 33   | 30 | 25.5 | 21 | 15   | 9  |     |
| <b>4ACS100S</b>  | 0.75 |           | 45 | 41   | 38.5 | 36 | 33   | 30 | 25.5 | 21 | 15   | 9  |     |
| <b>5ACSm100S</b> | 0.9  |           | 55 | 54   | 52   | 49 | 45   | 40 | 35   | 29 | 22.5 | 15 | 8   |
| <b>5ACS100S</b>  | 0.9  |           | 55 | 54   | 52   | 49 | 45   | 40 | 35   | 29 | 22.5 | 15 | 8   |

## Dimensions



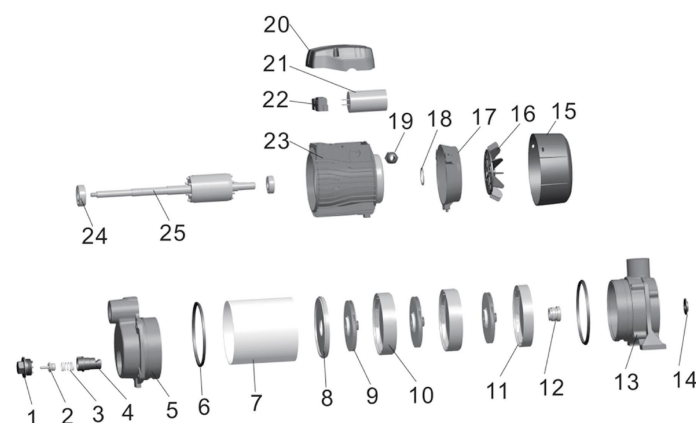
| MODEL            | DN1 | DN2 | L   | L1  | W   | W1  | H   | H1  | H2 | D  |
|------------------|-----|-----|-----|-----|-----|-----|-----|-----|----|----|
| <b>3ACSm100S</b> | 1   | 1   | 429 | 216 | 176 | 140 | 187 | 151 | 75 | 10 |
| <b>3ACS100S</b>  | 1   | 1   | 429 | 216 | 176 | 140 | 187 | 151 | 75 | 10 |
| <b>4ACSm100S</b> | 1   | 1   | 453 | 240 | 176 | 140 | 187 | 151 | 75 | 10 |
| <b>4ACS100S</b>  | 1   | 1   | 453 | 240 | 176 | 140 | 187 | 151 | 75 | 10 |
| <b>5ACSm100S</b> | 1   | 1   | 477 | 264 | 176 | 140 | 187 | 151 | 75 | 10 |
| <b>5ACS100S</b>  | 1   | 1   | 477 | 264 | 176 | 140 | 187 | 151 | 75 | 10 |

## Hydraulic performance



## Exploded view

| No. | Type                     | Materials                |
|-----|--------------------------|--------------------------|
| 1   | Plug                     | cast iron HT200          |
| 2   | Non-return valve         | nitrile rubber (NBR)     |
| 3   | Check valve spring       | AISI 304 stainless steel |
| 4   | Valve seat               | noryl (PPQ)              |
| 5   | Pump body                | noryl (PPQ)              |
| 6   | O-ring                   | noryl (PPQ)              |
| 7   | Jacket                   | AISI 304 stainless steel |
| 8   | Front plate              | noryl (PPQ)              |
| 9   | Impeller                 | noryl (PPQ)              |
| 10  | Diffuser                 | noryl (PPQ)              |
| 11  | Diffuser                 | noryl (PPQ)              |
| 12  | Mechanical seal          | carbon / ceramic         |
| 13  | Rear pump body - lantern | cast iron HT200          |
| 14  | Rubber washer            | nitrile rubber (NBR)     |
| 15  | Fan cover                | polycarbonate/ABS        |
| 16  | Fan                      | noryl (PPQ)              |
| 17  | Rear cover               | cast aluminum ZL102      |
| 18  | Wavy washer              | 65Mn steel               |
| 19  | Cable gland              |                          |
| 20  | Electric box cover       | PA6 resin                |
| 21  | Capacitor                |                          |
| 22  | Terminal board           |                          |
| 23  | Stator                   |                          |
| 24  | Bearing                  |                          |
| 25  | Rotor                    |                          |



## Packaging

| MODEL     | Weight (kg) | Length L (mm) | Width W (mm) | Height H (mm) |
|-----------|-------------|---------------|--------------|---------------|
| 3ACSm100S | 13.3        | 455           | 215          | 230           |
| 3ACS100S  | 13.1        | 455           | 210          | 230           |
| 4ACSm100S | 14.5        | 480           | 215          | 230           |
| 4ACS100S  | 14.1        | 480           | 210          | 230           |
| 5ACSm100S | 15.4        | 505           | 215          | 230           |
| 5ACS100S  | 15.1        | 505           | 210          | 230           |

