

# MCKARLEN

## BPS series

### Utility Pumps

Appropriate fluids : Clean Water

Liquid temperature : 0°C to 40°C / +32°F to +104°F

HP range : 1/6 to 1/4 HP / 120 W to 200W

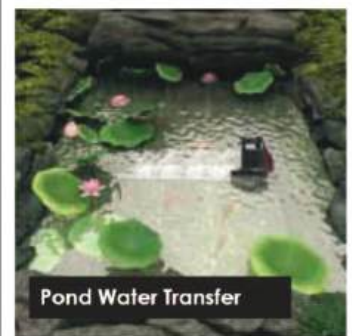
pH : 6 to 8

Protection class : IP68

Maximum immersion depth : 5M



Basement  
Use



Pond Water Transfer



Sprinkling



Filter System

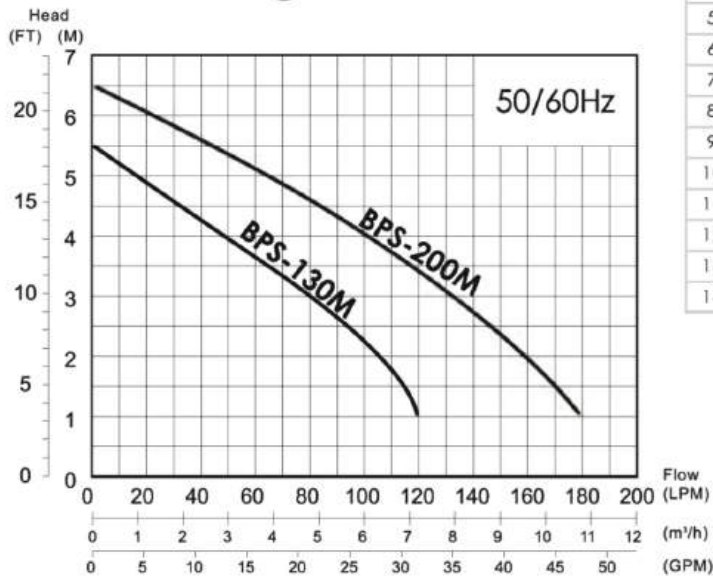
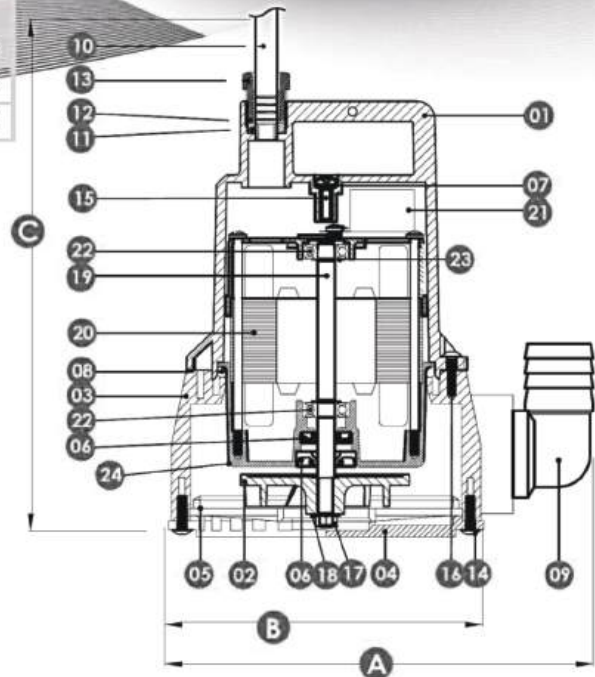
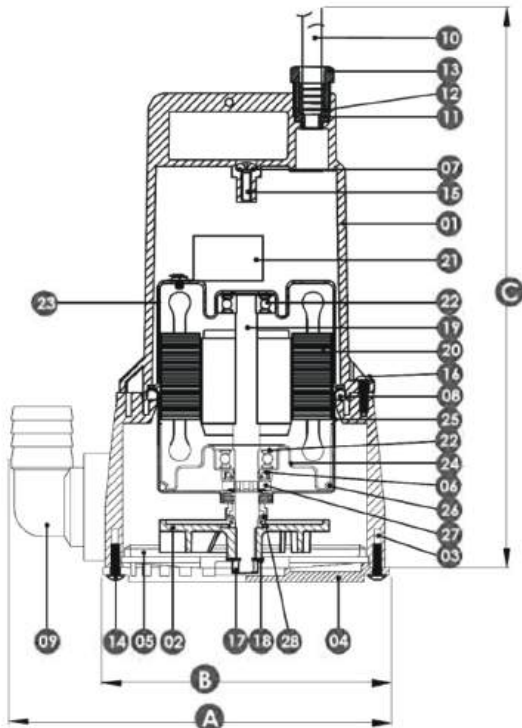
BPS-130M

BPS-200M



## Dimension

| Model    | A<br>mm | B<br>mm | C<br>mm |
|----------|---------|---------|---------|
| BPS-130M | 200     | 150     | 240     |
| BPS-200M | 200     | 150     | 290     |



## Construction

| No. | Description   | Material | No. | Description         | Material |
|-----|---------------|----------|-----|---------------------|----------|
| 1   | Motor Housing | PP+GF    | 15  | Cable Screw         | POM      |
| 2   | Impeller      | NYLON+GF | 16  | 205800051           | SUS304   |
| 3   | Pump Housing  | PP+GF    | 17  | Screw               | SUS304   |
| 4   | Strainer      | PP       | 18  | Washer              | SUS304   |
| 5   | Suction Plate | NY+GF    | 19  | Rotor & Shaft       | SUS410   |
| 6   | Lip Seal      | NBR      | 20  | Stator              | C60      |
| 7   | O-Ring        | NBR      | 21  | Capacitor           |          |
| 8   | O-Ring        | NBR      | 22  | Bearing             |          |
| 9   | Adapter       | PP+GF    | 23  | Upper Bearing Cover |          |
| 10  | 30640001      | SUS304   | 24  | Lower Bearing Cover |          |
| 11  | Cable         | H05RNF   | 25  | Inner Bearing Cover |          |
| 12  | Cable Gland   | NBR      | 26  | O-Ring              | NBR      |
| 13  | 20850002      | NYLON66  | 27  | Diffuser            | PP+GF    |
| 14  | Gasket        | NYLON66  | 28  | Mechanical Seal     | CA/CE    |



Vortex  
Impeller



Optional for  
float switch

## Specifications

| Model No. | Output |     | Outlet |        | Solid Pass<br>Dia(mm) | Max<br>Flow (LPM) | LPM Flow @ Head |     |     |     |    | Max Head (M) | Dimension<br>L x W x H(mm) | Weight<br>Kg |
|-----------|--------|-----|--------|--------|-----------------------|-------------------|-----------------|-----|-----|-----|----|--------------|----------------------------|--------------|
|           | HP     | W   | mm     | inch   |                       |                   | 1.5M            | 2M  | 3M  | 4M  | 5M |              |                            |              |
| BPS-130M  | 1/6    | 120 | 32     | 1-1/4" | 5                     | 120               | 115             | 105 | 80  | 48  | 15 | 5.5          | 200 x 150 x 240            | 3.2          |
| BPS-200M  | 1/4    | 200 | 32     | 1-1/4" | 5                     | 180               | 170             | 160 | 130 | 100 | 65 | 6.5          | 200 x 150 x 290            | 3.8          |

Remarks: Above models can add "S" specify for sea water application, i.e. BPS-200MS.

"A" stands for Automatic with float switch, i.e. BPS-130MA.