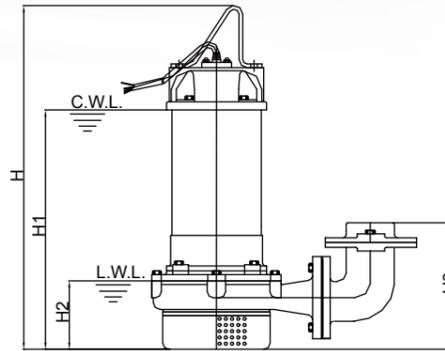
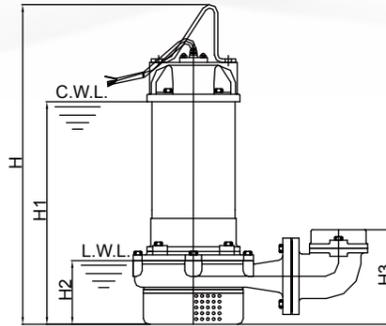
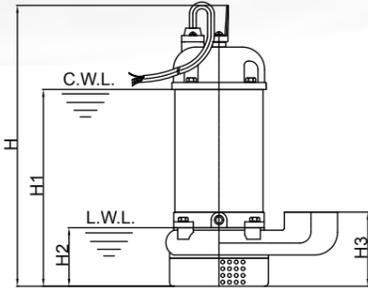
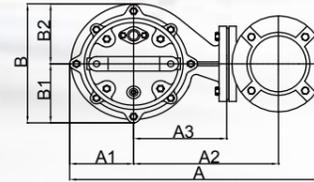
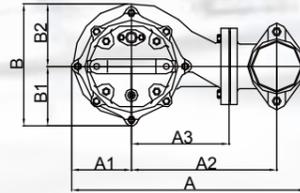
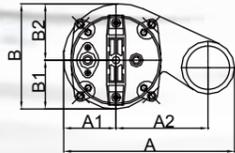


## JKS-Series Dimensions



JKS-05~10

JKS-10~30

JKS-50~75

Dimensions (mm)

| Type       | A   | A1  | A2  | A3  | B   | B1  | B2  | H           | H1          | H2  | H3           |
|------------|-----|-----|-----|-----|-----|-----|-----|-------------|-------------|-----|--------------|
| JKS-05     | 229 | 70  | 123 | NA  | 141 | 66  | 75  | 350         | 250         | 79  | 100          |
| JKS-10     | 229 | 70  | 123 | NA  | 141 | 66  | 75  | 380         | 285         | 79  | 100          |
| *JKS-10    | 325 | 80  | 192 | 110 | 165 | 75  | 90  | 398         | 273         | 97  | 147          |
| JKS-20     | 403 | 103 | 250 | 168 | 212 | 103 | 109 | 555         | 385         | 110 | 163          |
| JKS-30S(T) | 403 | 103 | 250 | 168 | 212 | 103 | 109 | S:595;T:575 | S:425;T:405 | 110 | 163          |
| JKS-50     | 466 | 110 | 264 | 176 | 227 | 110 | 117 | 605         | 440         | 132 | 3":225;4"220 |
| JKS-75     | 466 | 110 | 264 | 176 | 227 | 110 | 117 | 645         | 480         | 132 | 3":225;4"220 |

» Note1 : S: Single Phase ; T: Three Phase

» Note2 : Automatic models are available in single-phase versions(0.5~2HP) and in three-phase versions(0.5~2HP).

» Note3 : Q.D.C.(Quick Discharge Connection) is available only for Elbow type.

» Note4 : \*JKS-10 is Elbow Type



# JKS

## SERIES 50HZ

Submersible Effluent Pump



# JKS SERIES 50HZ

## Submersible Effluent Pump

### Feature

- / Compact design
- / Light weight
- / With high efficiency impeller
- / Reliable Shaft sealing provided by EKK Eagle Burgmann double mechanical seal

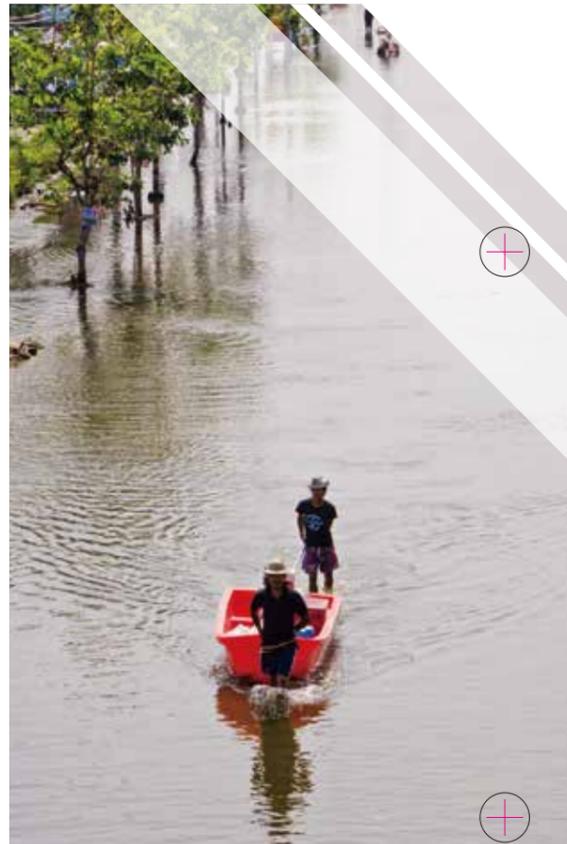
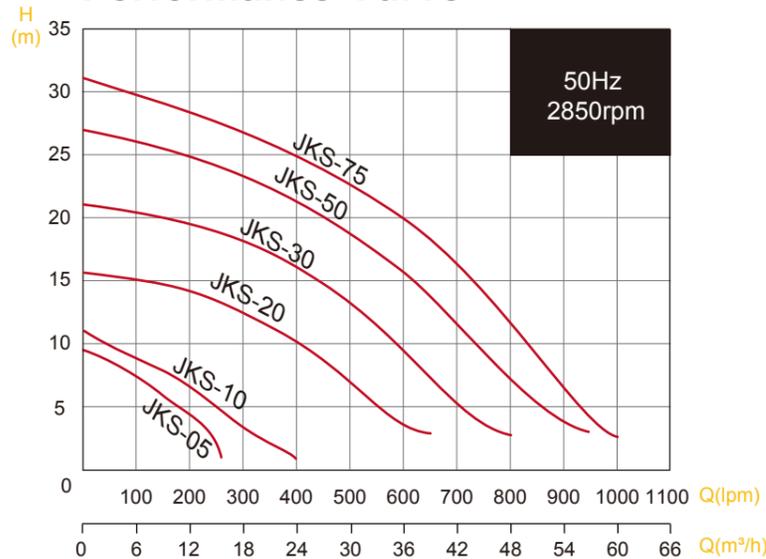
### Application

- / Light duty
- / Basement drainage
- / Rainwater effluent
- / Accumulated water drainage

### Specifications

|                    |                 |                                   |
|--------------------|-----------------|-----------------------------------|
| Liquid Temperature |                 | 0~40°C (32~104°F)                 |
| Submersible depth  |                 | 10M                               |
| <b>Motor Part</b>  | Frequency       | 50Hz                              |
|                    | Pole            | 2 Pole                            |
|                    | Type            | Dry Type                          |
|                    | Insulation      | 0.5~3HP:Class B ; 5~7.5HP:Class F |
|                    | Protection      | IP 68                             |
| <b>Pump Part</b>   | Protector       | Auto-cut                          |
|                    | Bearing         | Ball Type                         |
|                    | Mechanical seal | Double Mechanical Seal            |
|                    | Impeller        | Semi-Open                         |

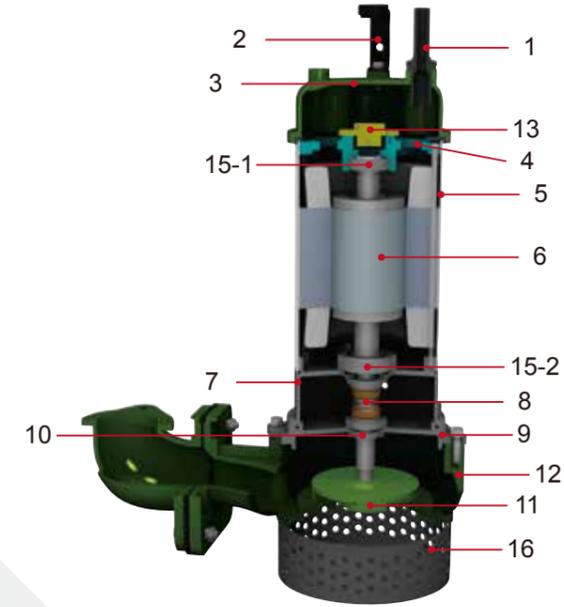
### Performance Curve



### Parts and Material List

| No   | Part                   | Material                                       |
|------|------------------------|--|
| 1    | Cable                  | H07RN-F /SJTOW/STOW                            |
| 2    | Handle                 | Nylon 6 / ASTM A36                             |
| 3    | Motor Cover            | Nylon 66 / EN-GJL-200                          |
| 4    | Bracket                | EN-GJL-200                                     |
| 5    | Motor Housing + Stator | AISI 304                                       |
| 6    | Shaft with Rotor       | AISI 410                                       |
| 7    | Oil Chamber            | EN-GJL-200                                     |
| 8    | Mechanical Seal        | 0.5~3HP: CA/CE;CA/CE<br>5~7.5HP: CA/CE;SIC/SIC |
| 9    | Seal Housing           | Nylon / EN-GJL-200                             |
| 10   | Lip Seal               | NBR  |
| 11   | Impeller               | EN-GJL-200                                     |
| 12   | Pump Casing            | EN-GJL-200                                     |
| 13   | Protector              | KLIXON   |
| 15-1 | Upper Bearing          | NTN/TPI  |
| 15-2 | Lower Bearing          | NTN/TPI  |
| 16   | Strainer               | AISI 304                                       |

Note:TPI is a family brand of NTN group.

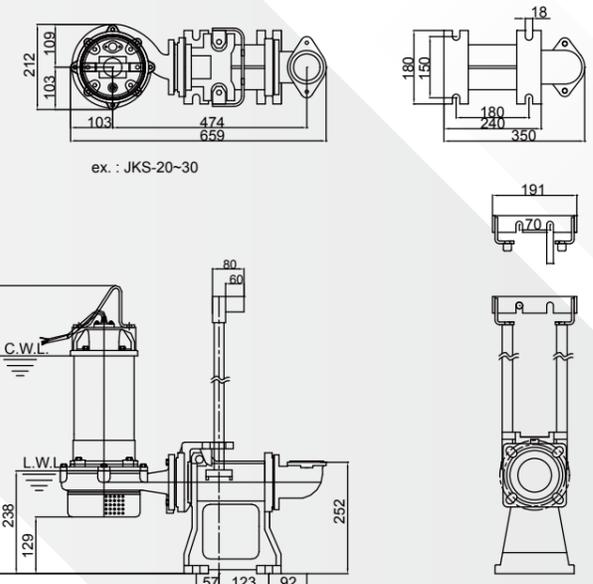


### JKS-Series with QM

#### JKS with QM Q.D.C.

| Output | HP   | kW     | Discharge |             | Dimensions(mm) |    |
|--------|------|--------|-----------|-------------|----------------|----|
|        |      |        | Inch      | mm          | H              | H1 |
| 1      | 0.75 | 2"(3") | 50(80)    | 610         | 466            |    |
| 2      | 1.5  | 2"(3") | 50(80)    | 695         | 525            |    |
| 3      | 2.2  | 2"(3") | 50(80)    | S:735;T:715 | S:565;T:545    |    |
| 5      | 3.7  | 3"(4") | 80(100)   | 765         | 587            |    |
| 7.5    | 5.5  | 3"(4") | 80(100)   | 805         | 627            |    |

»Above 1HP dimensions is for Elbow type pump casing.



### Data Chart

| Type   | Output |      | Discharge | F.L.A.  |         | Rated  |          | Maximum |          | Free Passage | Weight(W/O Cable) |       | Q.D.C. |
|--------|--------|------|-----------|---------|---------|--------|----------|---------|----------|--------------|-------------------|-------|--------|
|        | HP     | kW   |           | 1ø 230V | 3ø 400V | Head m | Cap. lpm | Head m  | Cap. lpm |              | mm                | 1ø-kg |        |
| JKS-05 | 0.5    | 0.37 | 2"        | 4.1A    | 1.3A    | 6      | 150      | 9.5     | 260      | 5            | 11.7              | 11.4  | -      |
| JKS-10 | 1      | 0.75 | 2"        | 5.2A    | 2.1A    | 8      | 150      | 11      | 400      | 5            | 18.5              | 18.2  | -      |
| JKS-20 | 2      | 1.5  | 2"(3")    | 11.3A   | 3.5A    | 10     | 400      | 15.5    | 650      | 5.5          | 35                | 34.9  | QM-80  |
| JKS-30 | 3      | 2.2  | 2"(3")    | 14A     | 5.2A    | 15     | 440      | 21      | 800      | 5.5          | 39.1              | 35.4  | QM-80  |
| JKS-50 | 5      | 3.7  | 3"(4")    | -       | 8.2A    | 18     | 530      | 27      | 950      | 5.5          | -                 | 53.2  | QM-100 |
| JKS-75 | 7.5    | 5.5  | 3"(4")    | -       | 11.5A   | 20     | 600      | 31      | 1000     | 5.5          | -                 | 59.2  | QM-100 |

- » JKS-05 : Thread Type
- » JKS-10 : Thread Type / Elbow Type is optional.(2" or 3"/ Fit with Q.D.C. QM-80)
- » JKS-20~30 : Elbow Type
- » JKS-50~75 : Elbow Type