



**WALRUS PUMP**

# TPAK Series Coolant Pump





**Power:** ¼ - 1.5 HP

**50Hz**

**Head:** Up to 12M

**Flow:** Up to 360 L/min

**60Hz**

**Head:** Up to 17M

**Flow:** Up to 400 L/min

**Outlet:** ½" - 1½"

### Applications:

The TPAK Series coolant pump is design for the circulation and spraying of cooling lubricants, especially for machine tools.

This series may use on all machine tools performing Turning, Milling, Drilling, Cutting, Slitting, Grinding etc. operation.

It is suitable to carry liquids such as water, coolant, light oil and other clean, non aggressive matters.

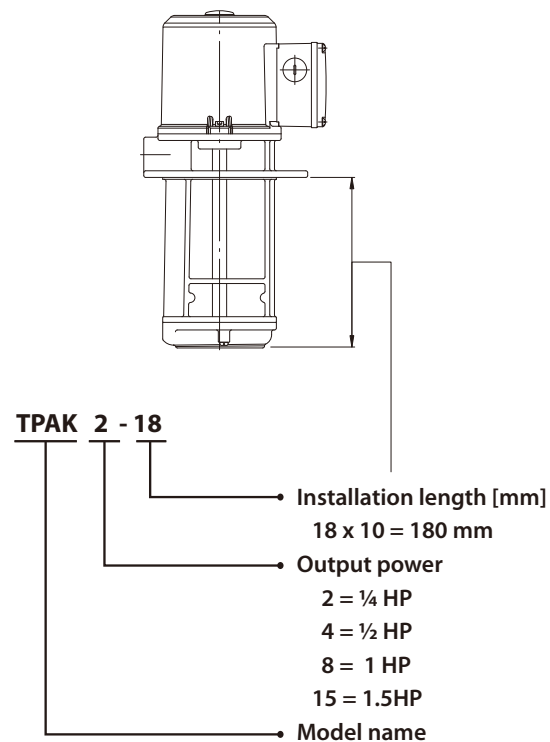
### Operation Conditions:

1. Ambient temperature :Max. +40°C
2. Liquid temperature range:+0°C ~ +90°C
3. Operating pressure:Max. 10 kg/cm<sup>2</sup>

### Pump Construction:

The pump is one-chamber vertical centrifugal pump, co-axial pump/motor design, impellers mounted on extended motor shaft.

### Model code:



### Motor

Enclosure protection class: IP54

Insulation class: F.

Frequency range: 50 / 60 Hz

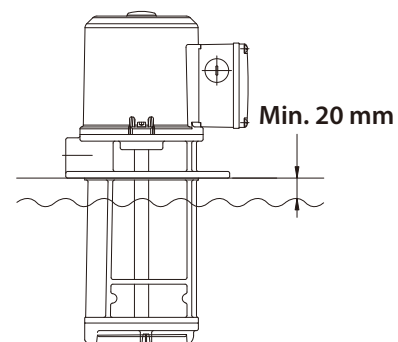
Nominal speed : 2900 / 3500 rpm

Standard voltages : 3Ø 50Hz: 200-255V / 380-440V

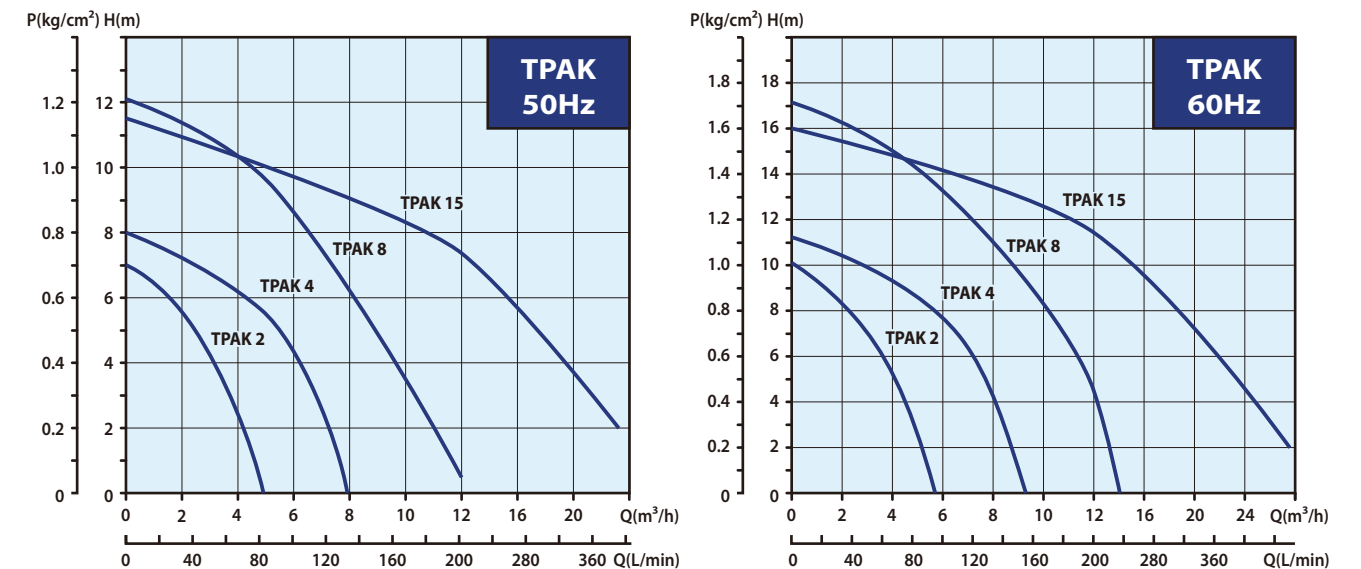
3Ø 60Hz: 200-255V / 380-480V

### Installation

**Maximum liquid level**

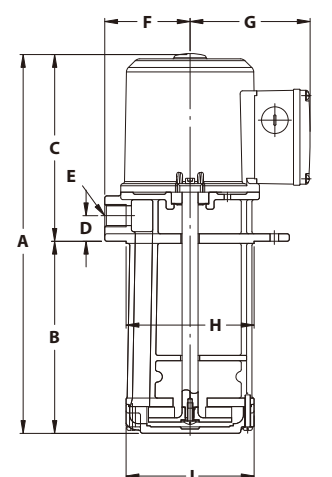


### Performance curve



### Dimensions ( mm )

| Model      | DIMENSIONS: ( mm ) |     |     |    |        |     |       |      |      |     |             | N.W<br>weight<br>(kg) |  |
|------------|--------------------|-----|-----|----|--------|-----|-------|------|------|-----|-------------|-----------------------|---------------------------------------------------------------------------------------|
|            | A                  | B   | C   | D  | E      | F   | G     | H    | I    | J   | K           |                       |                                                                                       |
| TPAK 2-15  | 325                | 150 | 175 | 24 | PF ½"  | 80  | 112.5 | Ø120 | Ø120 | 160 | 4xØ8 PCD158 | 9.5                   | 36                                                                                    |
| TPAK 2-18  | 355                | 180 | 175 | 24 | PF ½"  | 80  | 112.5 | Ø120 | Ø120 | 160 | 4xØ8 PCD158 | 10.0                  | 36                                                                                    |
| TPAK 2-25  | 425                | 250 | 175 | 24 | PF ½"  | 80  | 112.5 | Ø120 | Ø120 | 160 | 4xØ8 PCD158 | 10.6                  | 24                                                                                    |
| TPAK 4-15  | 385                | 150 | 235 | 28 | PF ¾"  | 85  | 111   | Ø135 | Ø135 | 170 | 4xØ9 PCD170 | 11.2                  | 24                                                                                    |
| TPAK 4-18  | 415                | 180 | 235 | 28 | PF ¾"  | 85  | 111   | Ø135 | Ø135 | 170 | 4xØ9 PCD170 | 11.9                  | 24                                                                                    |
| TPAK 4-25  | 485                | 250 | 235 | 28 | PF ¾"  | 85  | 111   | Ø135 | Ø135 | 170 | 4xØ9 PCD170 | 12.7                  | 24                                                                                    |
| TPAK 8-18  | 456                | 180 | 276 | 29 | PF 1"  | 95  | 111   | Ø150 | Ø150 | 190 | 4xØ9 PCD185 | 15.5                  | 24                                                                                    |
| TPAK 8-25  | 526                | 250 | 276 | 29 | PF 1"  | 95  | 111   | Ø150 | Ø150 | 190 | 4xØ9 PCD185 | 17.1                  | 24                                                                                    |
| TPAK 15-25 | 573                | 248 | 325 | 42 | PF 1½" | 122 | 124   | Ø180 | Ø180 | 200 | 4xØ9 PCD210 | 24.0                  | 15                                                                                    |



### Electrical data, 50/60Hz

| Model   | PH<br>(Ø) | Cycle<br>(Hz) | Input<br>Power<br>(W) | Volts<br>(V)      | Full load<br>current<br>(A) |
|---------|-----------|---------------|-----------------------|-------------------|-----------------------------|
| TPAK 2  | 3         | 50            | 270                   | 200-255 / 380-440 | 1.0-1.3 / 0.6-0.8           |
|         |           | 60            | 350                   | 200-255 / 380-480 | 1.2 / 0.7                   |
| TPAK 4  | 3         | 50            | 440                   | 200-255 / 380-440 | 1.5-1.9 / 0.9-1.2           |
|         |           | 60            | 620                   | 200-255 / 380-480 | 2.0 / 1.1                   |
| TPAK 8  | 3         | 50            | 930                   | 200-255 / 380-440 | 3.1-4.4 / 1.9-2.6           |
|         |           | 60            | 1320                  | 200-255 / 380-480 | 4.0 / 2.4                   |
| TPAK 15 | 3         | 50            | 1300                  | 220 / 380         | 4.8 / 2.8                   |
|         |           | 60            | 2000                  | 220 / 380         | 5.4 / 3.1                   |

