



Excellent durability secured by Tsurumi's long pump-making experience renders these pumps multipurpose ranging from construction work to installation in facilities.

### Major Standard Specifications

|                              |                           |  |  |    |
|------------------------------|---------------------------|--|--|----|
| Item                         | Discharge bore (mm)       |  | 50   | 80 |
|                              | Pumping fluid             | Type of fluid                                    | Rain water, Ground water, Sand carrying water    |    |
| Pump                         |                           | Liquid temperature                               | 0 ~ 40°C   |    |
|                              | Components                | Impeller   | Semi-vortex                                      |    |
|                              |                           | Shaft seal                                       | Double mechanical seal                           |    |
|                              | Materials                 | Bearing  | Shielded ball bearing                            |    |
|                              |                           | Impeller   | Synthetic rubber(0.75kW)<br>Ductile iron casting |    |
|                              |                           | Casing   | Synthetic rubber                                 |    |
| Shaft seal (mechanical seal) |                           | Silicon carbide                                  |  |    |
| Motor                        | Type, Poles               | Dry-type submersible induction motor, 2 poles    |  |    |
|                              | Insulation                | Class E  |  |    |
|                              | Phase / Voltage           | Three-phase / 220V, 380V, 400V, 415V, 440V, 460V |  |    |
|                              | Motor protector(Built-in) | Circle thermal protector                         |  |    |
|                              | Lubricant                 | Turbine oil (ISO VG32)                           |  |    |
|                              | Materials                 | Frame  | Aluminum alloy casting                           |    |
| Shaft                        |                           | Stainless steel #420 / #403                      |  |    |
| Cable                        |                           | PVC Chloroprene rubber                           |  |    |
| Discharge connection         |                           | Hose coupling                                    |  |    |

### Standard Accessories

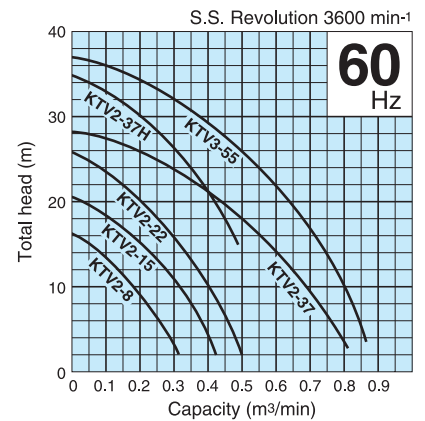
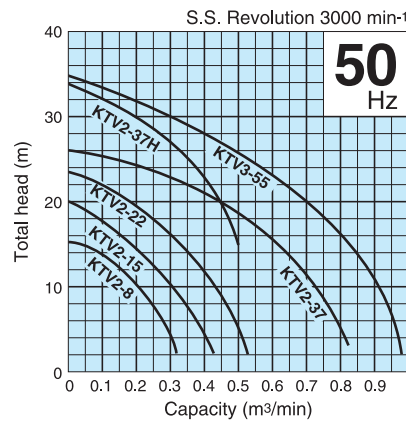
- Cabtyre cable ..... 1 pc
- Hose coupling ..... 1 pc
- Hose band (0.75kW only)..... 1 pc

### Optional Specifications

- Extended cable
- Special paint



### Performance Curves



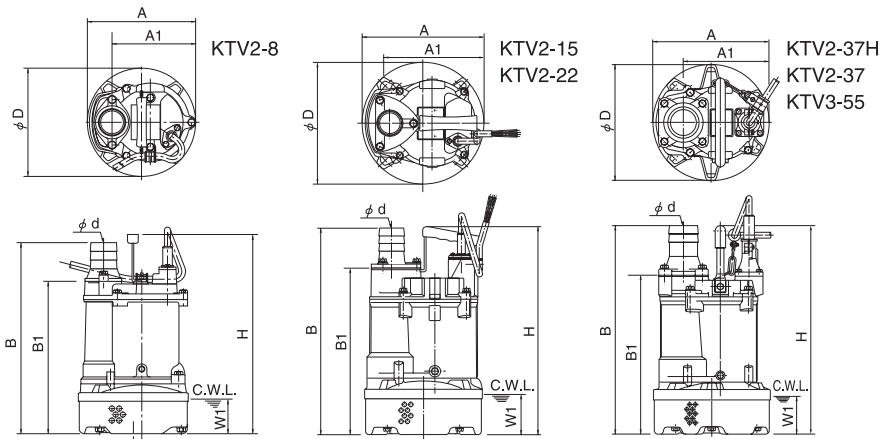
### Specifications 50/60Hz

| Discharge Bore mm | Model    | Motor Output kW | Phase       | Total Head m | Capacity m³/min | Starting Method | Dry Weight kgs | Length of Cabtyre Cable m |
|-------------------|----------|-----------------|-------------|--------------|-----------------|-----------------|----------------|---------------------------|
| 50                | KTV2-8   | 0.75            | Three-phase | 10           | 0.18            | D.O.L.          | 11.5           | 5                         |
| 50                | KTV2-15  | 1.5             | Three-phase | 15           | 0.20            | D.O.L.          | 20.5           | 8                         |
| 50                | KTV2-22  | 2.2             | Three-phase | 20           | 0.20            | D.O.L.          | 23.0           | 8                         |
| 50                | KTV2-37H | 3.7             | Three-phase | 30           | 0.20            | D.O.L.          | 35.0           | 8                         |
| 80                | KTV2-37  | 3.7             | Three-phase | 18           | 0.50            | D.O.L.          | 36.0           | 8                         |
| 80                | KTV3-55  | 5.5             | Three-phase | 22           | 0.60            | D.O.L.          | 46.5           | 8                         |

• Dry weight of the pump excluding cable.

### Dimensions Unit:mm

C.W.L.: Continuous Running Water Level



| Model    | d  | A   | A1  | B   | B1  | D   | H   | W1 |
|----------|----|-----|-----|-----|-----|-----|-----|----|
| KTV2-8   | 50 | 200 | 155 | 353 | 281 | 200 | 369 | 65 |
| KTV2-15  | 50 | 240 | 187 | 392 | 310 | 240 | 396 | 80 |
| KTV2-22  | 50 | 240 | 187 | 412 | 330 | 240 | 416 | 80 |
| KTV2-37H | 50 | 285 | 211 | 510 | 387 | 285 | 510 | 90 |
| KTV2-37  | 80 | 285 | 211 | 510 | 387 | 285 | 510 | 90 |
| KTV3-55  | 80 | 300 | 229 | 545 | 422 | 300 | 545 | 90 |