



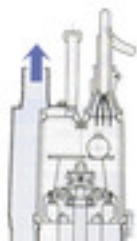
**TSURUMI PUMP**

## KTVE 3-phase 50Hz

Rugged - Lightweight - equipped with electrode  
auto control system  
- for professional use

Tsurumi's expertise has developed a new series which combines high tech materials for maximum durability, yet lightweight and portable. This pump is equally suited for construction site dewatering as well as installation into facilities.





## Top Discharge

Pumped water cools the motor and discharges as illustrated. The motor can be cooled even when pumping a small amount of water. The top discharge arrangement allows access into areas with space limitations.

## Lightweight

To lower the overall weight, pump materials have been changed in part to die-cast aluminium and specially treated synthetic rubber. Compared with Tsurumi's conventional pumps of the same type, this change has resulted in a 10kg weight reduction. An ergonomically designed handle facilitates relocation of the pump at construction sites.



## Low maintenance

The pump's lower part can be disassembled with a box wrench for effortless maintenance without impeller removal.

## Rugged

Specially prepared synthetic rubber parts including the casing, wear plate and duct sleeve protect the die-cast aluminium motor housing. This has resulted in amazingly increased wear resistance and other virtues such as:

- Reduced need for general service maintenance.
- A pump immune to calcium carbonate deposits or scale

## Electrode auto control system



The KTVE-type is equipped with a new electrode type control system. This prevents unnecessary dry operation, which makes it ideal for work environments where noise must be prevented, for example, in night operation in residential areas. Pump operating is started when the water level rises and contacts the electrode. When the water-electrode contact is lost the timer starts operating and after one minute pump operation is stopped

## Components:

001 Cable	053 Motor protector
020 Pump casing	054 Shaft
021 Impeller	055 Rotor
023 Strainer	056 Stator
025 Mechanical seal	058 Washer
029 Oil casing	060 Bearing housing
030 Oil lifter	064 Motor casing
031 Wear plate	068 Handle
032. Outlet	071 Shaft sleeve
035 Oil plug	085 Relay
036 Lubricant	090. Electrode
050 Motor cover	121 Packing
051 Head cover	122 V-ring
052A Upper bearing	127 Fixing plate
052B Lower bearing	

