# Iron Casting Pumps

# KTZE 3-phase 50Hz

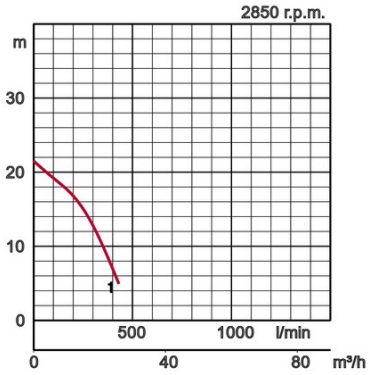
## Specifications:

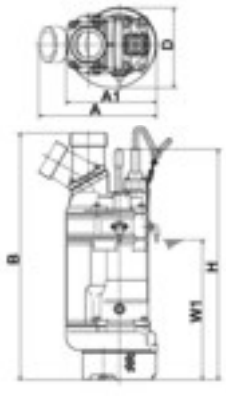
| Model | Colour code curve | Bore mm | Motor output kW | Rated current A | Head max. m | Capacity max. l/min | Dry weight kg w/o cable | Max. solid handling ø mm | Pressure resistance max. m | Cable length m |
|---|---|---|---|---|---|---|---|---|---|---|
| KTZE21.5 | 1 | 50 | 1,5 | 3,5 | 21,5 | 430 | 40,0 | 8,5 | 25 | 20 |

**Electrode Auto Control System**

**The KTZE-type is equipped with a new electrode type control system. Pump operation is started when the water level rises and contacts the electrode. When the the water-electrode contact is lost the timer starts operating, after one minute pump operation is stopped.**

| | | | |
|---|---|---|---|
| ø Discharge bore mm | | | 50 |
| Pumping Fluid | Temperature | | 0-40°C |
| | Type of Fluid | | Spring water, Rain water, Ground water, Sand carrying water |
| Pump | Compo-nents | Impeller | Semi-open type impeller |
| | | Shaft Seal | Double mechanical seal |
| | | Bearings | Shielded ball bearings |
| | Material | Impeller | Chromium iron casting |
| | | Casing | Grey iron casting EN-GJL-200 |
| | | Suction Plate | Ductile iron casting EN-GJS-500-7 |
| | | Shaft Seal | Silicon carbide in oil bath |
| Motor | Type, Poles | | Induction motor, 2 poles, IP68 |
| | Lubrication | | Turbine oil (ISO VG32) |
| | Motor Protector (built-in) | | Circle thermal cut-out |
| | Insulation | | Insulation class F |
| | Phase / Voltage | | 3-phase / 400V / 50Hz / d.o.l. |
| | Material | Casing | Grey iron casting EN-GJL-200 |
| | | Shaft | Stainless steel EN-X30Cr13 |
| | | Cable | Rubber, NSSHÖU |
| Discharge Connection | | | Threaded flange/Hose coupling |




W1: lowest running water level

## Dimensions in mm:

| Model | A | A1 | B | D | H | W1 |
|---|---|---|---|---|---|---|
| KTZE21.5 | 261 | 235 | 609 | 216 | 728 | 345 |

In the event of abrasive and corrosive utilization, stronger wear and tear will take place naturally in certain components. In this regard, please pay attention to our website www.tsurumi.eu/english/applications.htm.

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