# Vortex impeller

**UT** 1-phase 3-phase 50Hz

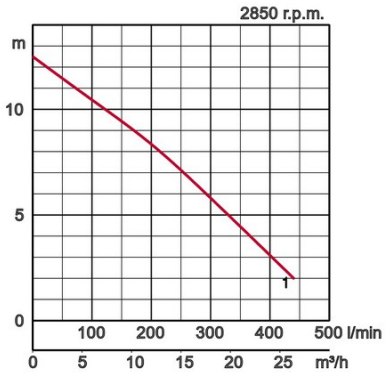
## Specifications:

| Model | | Colour code curve | Bore mm | Power output kW | Phases | r.p.m. | Head max. m | Capacity max. l/min | Starting method | Dry weight kg without cable | | Impeller passage mm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| free standing | with guide rail fitting | | | | | | | | | free standing | with guide rail fitting | |
| 50UT2.75 | optional | 1 | 50 | 0,75 | 3 | 2850 | 12,5 | 440 | direct | 16,0 | - | 35 |



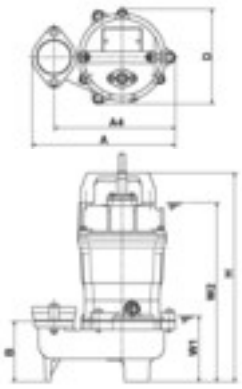
**Vortex impeller with wide pump casing, preventing clogging by solids and fibrous matter.**

| | | | |
|---|---|---|---|
| ø Discharge bore mm | | | 50mm |
| Pumping Fluid | Temperature | | 0-40°C |
| | Type of Fluid | | Municipal sewage, water with solids |
| Pump | Compo-nents | Impeller | Vortex impeller |
| | | Shaft Seal | Double mechanical seal |
| | | Bearings | Shielded ball bearings |
| | Material | Impeller | Plastic |
| | | Casing | Grey iron casting EN-GJL-200 |
| | | Shaft Seal | Silicon carbide in oil bath |
| Motor | Type, Poles | | Induction motor, 2 poles, IP68 |
| | Lubrication | | Turbine oil (ISO VG32) |
| | Insulation | | Insulation class E |
| | Motor Protector (built-in) | | Circle thermal cut-out |
| | Phase / Voltage | | 3-phase / 400V / 50Hz / d.o.l. |
| | Material | Casing | Grey iron casting EN-GJL-150 |
| | | Shaft | Stainless steel EN-X6Cr13 |
| | | Cable | Rubber, 10m H07RN-F |
| Discharge Connection | | | Inside thread, JIS10K flange |
| Optional Accessories | | | Guide rail fitting "TOK" for small pumps |




## Dimensions in mm:

| Model | A | A4 | B | D | FL1 | FL2 | H | W1 | W2 |
|---|---|---|---|---|---|---|---|---|---|
| 50UT2.75 | 242 | 205 | 101 | 161 | - | - | 406 | 110 | 350 |



W1: lowest running water level