

# Vortex impeller



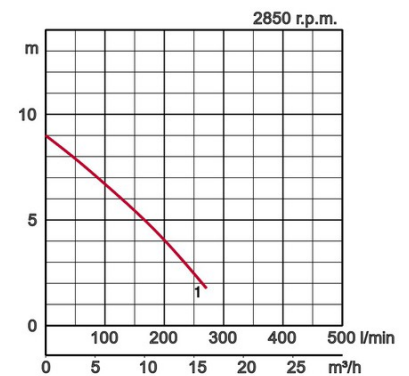
**UT** 1-phase  
3-phase  
50Hz

## Specifications:

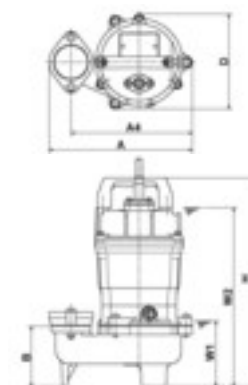
| Model         |                         | Colour code curve | Bore mm | Power output kW | Phases | r.p.m. | Head max. m | Capacity max. l/min | Starting method | Dry weight kg without cable |                         | Impeller passage mm |
|---------------|-------------------------|-------------------|---------|-----------------|--------|--------|-------------|---------------------|-----------------|-----------------------------|-------------------------|---------------------|
| free standing | with guide rail fitting |                   |         |                 |        |        |             |                     |                 | free standing               | with guide rail fitting |                     |
| 50UT2.4       | optional                | 1                 | 50      | 0,4             | 3      | 2850   | 9,0         | 270                 | direct          | 13,5                        | -                       | 35                  |



|                      |                             |  |                              |  |
|----------------------|-----------------------------|--|------------------------------|--|
| ø Discharge bore mm  |                             | 50mm                                     |                              |  |
| Pumping Fluid        | Temperature                 | 0-40°C                                   |                              |  |
|                      | Type of Fluid               | Municipal sewage, water with solids      |                              |  |
| Pump                 | Components                  | 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 |                              |  |



| Model   | A   | A4  | B   | D   | FL1 | FL2 | H   | W1  | W2  |
|---------|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 50UT2.4 | 242 | 205 | 101 | 161 | -   | -   | 350 | 110 | 300 |



W1: lowest running water level