

# Vortex impeller



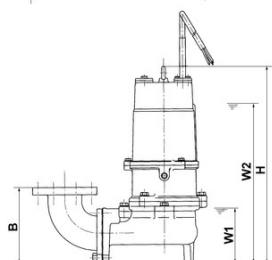
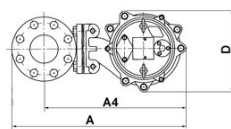
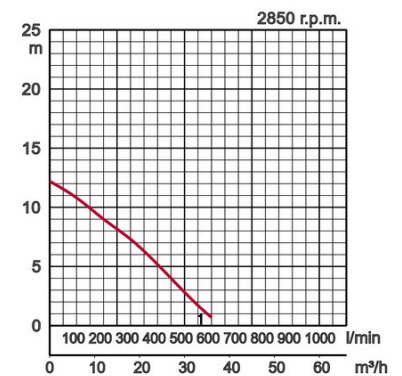
**U** 3-phase  
50Hz

## Specifications:

| manual | 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 |                     |
|        | 80U2.75       | TOS80U2.75              | ● 1               | 80      | 0,75            | 3      | 2850   | 12,2        | 450                 | direct          | 29,0                        | 24,0                    | 46                  |



|                      |                            |  |                                |
|----------------------|----------------------------|--|--------------------------------|
| ø Discharge bore mm  |                            | 80mm   |                                |
| 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   | Grey iron casting EN-GJL-200   |
|                      |                            | 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 "TOS" (guide support, duck foot bend, lifting chain) / Bend and stand set for free standing types |                                |



| Model   | A   | A4  | B   | D   | H   | W1  | W2  |
|---------|-----|-----|-----|-----|-----|-----|-----|
| 80U2.75 | 383 | 329 | 173 | 172 | 421 | 130 | 385 |

W1: lowest running water level

Updated 04/2018

Please mind: discharge bend, duck foot bend and stand set are accessories and must be ordered separately