

# Vortex impeller



**U** 3-phase  
50Hz

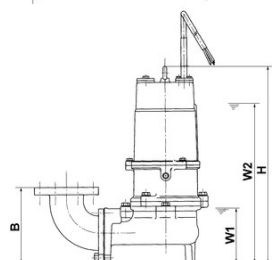
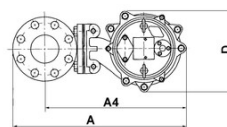
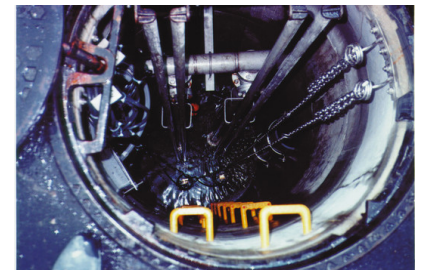
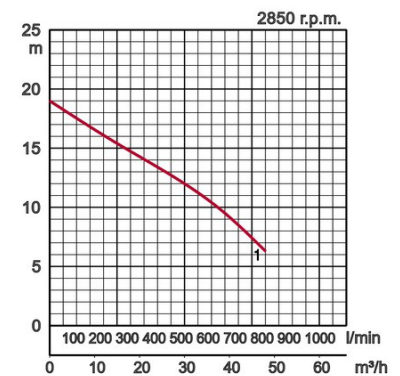
## Specifications:

| 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 |
|---------|-------------------|---------|-----------------|--------|--------|-------------|---------------------|-----------------|-----------------------------|---------------------|
| 80U22.2 | 1                 | 80      | 2,2             | 3      | 2850   | 19,0        | 800                 | direct          | 55,0                        | 56                  |

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



|                      |                            |  |                                |
|----------------------|----------------------------|--|--------------------------------|
| 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 F             |
|                      | 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-X30Cr13     |
| 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  |
|---------|-----|-----|-----|-----|-----|-----|-----|
| 80U22.2 | 502 | 410 | 225 | 240 | 562 | 160 | 490 |

W1: lowest running water level

Updated 11/2017

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