

# Canal impeller with cutter mechanism



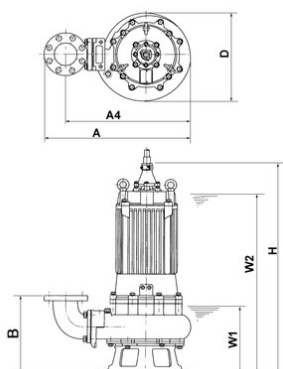
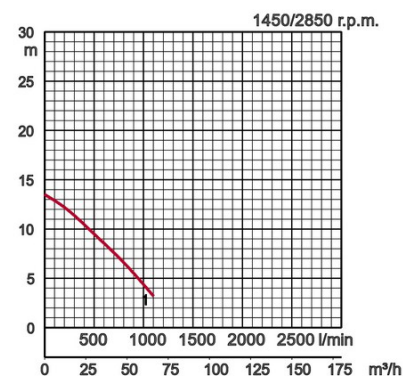
**C** 3-phase  
50Hz

## Specifications:

| Model         |                         | Colour code curve | Dry weight kg without cable |                         |
|---------------|-------------------------|-------------------|-----------------------------|-------------------------|
| free standing | with guide rail fitting |                   | free standing               | with guide rail fitting |
| 100C42.2      | TOS100C42.2             | ● 1               |                             |                         |



|                      |                            |  |   |  |
|----------------------|----------------------------|--|---|--|
| Discharge bore mm    |                            | 100mm  |   |  |
| Pumping Fluid        | Temperature                | 0-40°C   |   |  |
|                      | Type of Fluid              | Wastewater and liquid carrying waste and foreign matters   |   |  |
| Pump                 | Components                 | Impeller   | Non-clog impeller with cutter mechanism                               |  |
|                      |                            | Shaft Seal   | Double mechanical seal  |  |
|                      |                            | Bearings   | Shielded ball bearings  |  |
|                      | Material                   | Impeller   | Grey iron casting EN-GJL-200 with sintered tungsten carbide alloy tip |  |
|                      |                            | Casing   | Grey iron casting EN-GJL-200  |  |
|                      |                            | Suction Plate  | Ductile iron casting EN-GJS-700-2                                     |  |
|                      | Shaft Seal                 | Silicon carbide in oil bath  |   |  |
| Motor                | Type, Poles                |  | Induction motor, 4 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-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  |
|----------|-----|-----|-----|-----|-----|-----|-----|
| 100C42.2 | 594 | 489 | 328 | 324 | 616 | 225 | 570 |

W1: lowest running water level