

Canal impeller with cutter mechanism



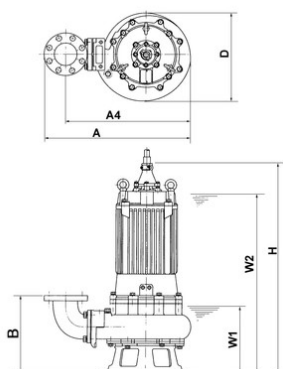
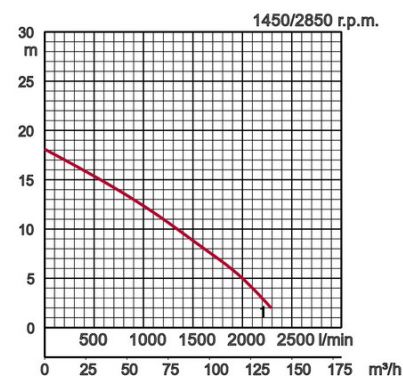
C 3-phase
50Hz

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 | |
| 100C45.5 | TOS100C45.5 | ● 1 | 100 | 5,5 | 3 | 1450 | 18,1 | 2290 | direct | 140,0 | 133,0 | 40 |



| | | | | |
|----------------------|----------------------------|--|---|--|
| ø 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 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-200 | |
| | | 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 |
|----------|-----|-----|-----|-----|-----|-----|-----|
| 100C45.5 | 687 | 582 | 372 | 400 | 824 | 335 | 700 |

W1: lowest running water level