

# Canal impeller with cutter mechanism



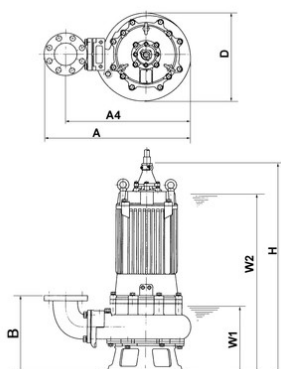
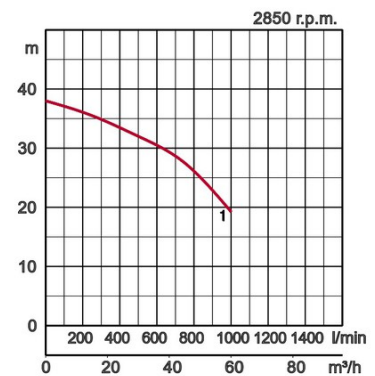
**C** 3-phase  
50Hz

## Specifications:

| Model         |                         | Colour code curve | Dry weight kg without cable |                         |
|---------------|-------------------------|-------------------|-----------------------------|-------------------------|
| free standing | with guide rail fitting |                   | free standing               | with guide rail fitting |
| 80C27.5-CR    | TOS80C27.5-CR           | 1                 |                             |                         |



|                      |                             |  |  |
|----------------------|-----------------------------|--|--|
| Discharge bore mm    |                             | 80mm   |  |
| 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   | Chromium iron casting with sintered tungsten carbide alloy tip |
|                      |                             | Casing   | Grey iron casting EN-GJL-200                                   |
|                      |                             | Suction Plate  | Chromium iron casting  |
| 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  |
|------------|-----|-----|-----|-----|-----|-----|-----|
| 80C27.5-CR | 615 | 522 | 320 | 345 | 879 | 225 | 745 |

W1: lowest running water level

Updated 09/2017

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