

# Canal impeller



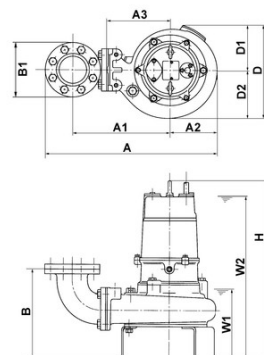
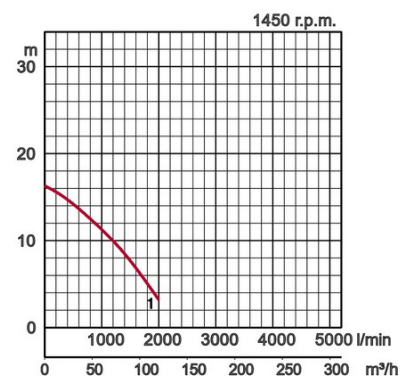
**B** 3-phase  
50Hz

## 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 |                     |
| 100B43.7      | TOS100B43.7             | ● 1               | 100     | 3,7             | 3      | 1450   | 16,4        | 2000                | direct          | 86,0                        | 80,0                    | 53                  |



|                      |                            |  |                                |
|----------------------|----------------------------|--|--------------------------------|
| ø Discharge bore mm  |                            | 100mm  |                                |
| Pumping Fluid        | Temperature                | 0-40°C   |                                |
|                      | Type of Fluid              | Municipal sewage   |                                |
| Pump                 | Components                 | Impeller   | Non-clog 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   |
|                      |                            | Suction Plate  | Grey iron casting EN-GJL-200   |
|                      | 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   | A1  | A2  | A3  | B   | B1  | D   | D1  | D2  | H   | W1  | W2  |
|----------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 100B43.7 | 575 | 322 | 160 | 210 | 308 | 210 | 339 | 164 | 175 | 690 | 235 | 645 |

W1: lowest running water level