


# Canal impeller - free passage 80mm



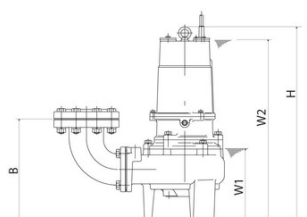
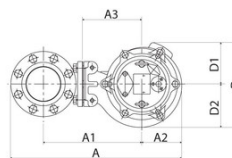
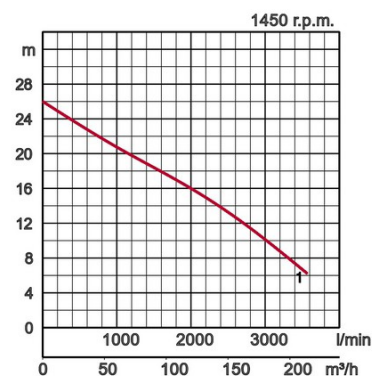
**BZ** 3-phase  
50Hz

## Specifications:

| Model         |                         | Colour code curve   | Dry weight kg without cable |                         |
|---------------|-------------------------|---|-----------------------------|-------------------------|
| free standing | with guide rail fitting |   | free standing               | with guide rail fitting |
| 100BZ411      | TOS100BZ411             |  | 1                           |                         |



|                      |                            |  |                                |  |
|----------------------|----------------------------|--|--------------------------------|--|
| 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 F             |  |
|                      | Motor Protector (built-in) |  | Miniature protector            |  |
|                      | Phase / Voltage            |  | 3-phase / 400V / 50Hz / s.d.   |  |
|                      | 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   | D   | D1  | D2  | H    | W1  | W2  |
|----------|-----|-----|-----|-----|-----|-----|-----|-----|------|-----|-----|
| 100BZ411 | 727 | 407 | 215 | 280 | 377 | 431 | 205 | 226 | 1023 | 330 | 865 |

W1: lowest running water level