

## SP-KBZ · DATA SHEET

## Heavy-Duty Submersible Drainage Pump

KBZ range · cast iron · top discharge · 50/60 Hz

Duty point KBZ47.5: 48 m<sup>3</sup>/h · 30 m · 7.5 kW · 100 mm

## Key features

- Rigid cast-iron motor housing and pump casing, built for long service in dirty water
- High-chromium alloy impeller and inlet plate ( $\geq 58$  HRC) resist abrasive wear
- Pressure-resistant double mechanical seal — maximum water depth 25 m
- Cooling passage between casing and motor: the pumped water cools the motor in continuous duty
- Vertical top outlet and compact body fit narrow pits and well casings
- Built-in thermal protector and a sealed cable entry that prevents leakage from the cable side
- IP68 motor, class F insulation, 8 m cable; liquid temperature up to 40 °C

## Specification

|                  |                                                                                                      |
|------------------|------------------------------------------------------------------------------------------------------|
| Power range      | 1.5–15 kW (2–20 HP)                                                                                  |
| Capacity         | up to 160 m <sup>3</sup> /h                                                                          |
| Head             | up to 57 m                                                                                           |
| Outlet           | 50–150 mm (2"–6")                                                                                    |
| Power supply     | 3-phase 400 V $\pm 10\%$ , 50 Hz · 380 V $\pm 10\%$ , 60 Hz                                          |
| Max. water depth | 25 m                                                                                                 |
| Solids passage   | 8.5–19.5 mm                                                                                          |
| Materials        | Cast iron body · high-chrome impeller & inlet plate · AISI 420 stainless shaft · SiC mechanical seal |
| Applications     | Civil engineering · mines & quarries · sewage treatment · general drainage                           |

## Performance table — 50 Hz

| Model   | Outlet (mm) | kW  | HP | A   | Rated m <sup>3</sup> /h | Rated head (m) | Max m <sup>3</sup> /h | Max head (m) | Passage (mm) |
|---------|-------------|-----|----|-----|-------------------------|----------------|-----------------------|--------------|--------------|
| KBZ21.5 | 50          | 1.5 | 2  | 3.5 | 15                      | 15             | 27                    | 22           | 8.5          |
| KBZ31.5 | 80          | 1.5 | 2  | 3.5 | 30                      | 8              | 40                    | 14.5         | 8.5          |
| KBZ22.2 | 50          | 2.2 | 3  | 5.0 | 18                      | 20             | 33                    | 26           | 8.5          |

| Model   | Outlet (mm) | kW  | HP  | A    | Rated m <sup>3</sup> /h | Rated head (m) | Max m <sup>3</sup> /h | Max head (m) | Passage (mm) |
|---------|-------------|-----|-----|------|-------------------------|----------------|-----------------------|--------------|--------------|
| KBZ32.2 | 80          | 2.2 | 3   | 5.0  | 36                      | 11             | 55                    | 19           | 8.5          |
| KBZ23.7 | 50          | 3.7 | 5   | 7.7  | 12                      | 30             | 33                    | 34           | 8.5          |
| KBZ33.7 | 80          | 3.7 | 5   | 7.7  | 30                      | 20             | 55                    | 29           | 8.5          |
| KBZ43.7 | 100         | 3.7 | 5   | 7.7  | 60                      | 11.5           | 90                    | 18.5         | 8.5          |
| KBZ35.5 | 80          | 5.5 | 7.5 | 11.4 | 36                      | 25             | 75                    | 34           | 8.5          |
| KBZ45.5 | 100         | 5.5 | 7.5 | 11.4 | 60                      | 16             | 105                   | 23           | 8.5          |
| KBZ47.5 | 100         | 7.5 | 10  | 15   | 48                      | 30             | 84                    | 40           | 11.5         |
| KBZ67.5 | 150         | 7.5 | 10  | 15   | 90                      | 15             | 124.8                 | 31           | 19.5         |
| KBZ411  | 100         | 11  | 15  | 22   | 60                      | 35             | 84                    | 48.5         | 11.5         |
| KBZ611  | 150         | 11  | 15  | 22   | 102                     | 22             | 147                   | 32           | 19.5         |
| KBZ415  | 100         | 15  | 20  | 29.5 | 60                      | 42             | 84                    | 56           | 11.5         |
| KBZ615  | 150         | 15  | 20  | 29.5 | 102                     | 30             | 156                   | 40           | 19.5         |

Performance table: 50 Hz (2850 rpm). 60 Hz performance curves are included in SP-KBZ-curves.pdf.

For a quotation, send the model code and quantity to [tradingsunton@gmail.com](mailto:tradingsunton@gmail.com) or WhatsApp +86 173 0677 2035.