

SP-KBZE · DATA SHEET

Intelligent Submersible Drainage Pump

KBZE range · KBZ hardware + built-in intelligent control

Duty point KBZE45.5: 60 m³/h · 16 m · 5.5 kW · 100 mm**Key features**

- Reverse-phase protection ensures the impeller always rotates the correct way
- Open-phase and impeller-jam protection prevent accidental damage
- Automatic stop on overload or abnormal voltage, with restart 5 minutes later
- Overheat stop, then automatic restart after cooling to the set temperature
- Adjustable water-level sensor controls start and stop levels
- Dry-run protection: stops within 60 s below the probe level, holds 180 s, restarts when the level recovers
- Same heavy hardware as KBZ: cast iron, high-chrome wear parts (≥58 HRC), IP68, 25 m depth, 8 m cable

Specification

Power range	1.5–5.5 kW (2–7.5 HP)
Capacity	up to 105 m ³ /h
Head	up to 38 m
Outlet	50–100 mm (2"–4")
Power supply	3-phase 400 V ±10%, 50 Hz · 380 V ±10%, 60 Hz
Control	Built-in intelligent control with run/fault history assessment
Max. water depth	25 m
Applications	Unattended drainage · sewage plants · sites where dry-run and phase faults are a risk

Performance table — 50 Hz

Model	Outlet (mm)	kW	HP	A	Rated m ³ /h	Rated head (m)	Max m ³ /h	Max head (m)
KBZE21.5	50	1.5	2	3.5	15	15	27	22
KBZE31.5	80	1.5	2	3.5	30	8	40	14.5
KBZE22.2	50	2.2	3	5.0	18	20	33	26
KBZE32.2	80	2.2	3	5.0	36	11	55	19
KBZE23.7	50	3.7	5	7.7	12	30	33	34

Model	Outlet (mm)	kW	HP	A	Rated m³/h	Rated head (m)	Max m³/h	Max head (m)
KBZE33.7	80	3.7	5	7.7	30	20	55	29
KBZE43.7	100	3.7	5	7.7	60	11.5	90	18.5
KBZE35.5	80	5.5	7.5	11.4	36	25	75	34
KBZE45.5	100	5.5	7.5	11.4	60	16	105	23

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

For a quotation, send the model code and quantity to tradingsunton@gmail.com or WhatsApp +86 173 0677 2035.