

6" ELECTRIC SUBMERSIBLE PUMP WASTE WATER

IDEAL USAGE

Projects that require transfer of waste water up to 149.7 m³/h and a free passage of 100 mm

APPLICATIONS

- Transfer of waste water liquids of pits deeper than the maximum practical suction height of > 7 meters
- Pumping in challenging areas for example when footprint is too limited or obstructions make deployment of a dry installed pump impossible
- Removal of waste water from a (temporary) containment for which a larger free passage is required



PERFORMANCE

Capacity:	149.7 m ³ /h (max), see curve
Max solid handling:	100 mm
Head:	15.6 m (max), see curve
Density:	1.4 kg/l
Liquid temperature:	40 °C (max)

PUMP

Impeller:	Vortex
Degree of protection:	IP 68
Pressure resistance:	max 15 m
Speed:	1,455 RPM

WEIGHT AND MEASURES

Weight:	223 kg (Dry weight incl 20 m cable)
Height:	1,214 mm
Width (max):	462 mm
Depth :	694 mm
Connection:	6" DIN/ANSI flange on discharge side (x1)
Length power cable:	20 m

MATERIAL

Pump casing:	Grey iron casting (FC200)
Impeller:	Grey iron casting (FC200)
Shaft:	Stainless steel (SUS420J2)
Shaft seal:	Double inside mechanical seal in oil bath additional lubrication by oil lifting device
Primary seal:	Silicon carbide on silicon carbide
Secondary seal:	Silicon carbide on silicon carbide
Motor frame:	Grey iron casting (FC200)
Bearings:	Shielded ball bearings, maintenance-free
Cable:	Rubber, 20 m NSSHÖU 4C x 1,5 mm ²

ELECTRIC MOTOR

Motor make / model:	Dry-type submersible induction motor
Power input:	9.15 kW
Rated power:	7.50 kW
Voltage / Phase / Hz:	400 v / 3-phase / 50 Hz
Rated current:	15.9 A
Start current:	89 A
Starting mode:	Soft start (via control panel)
Insulation class:	F / 4 Poles

FEATURES

Lifting options:	Single lifting eye
Power:	Control: Control panel A 5.5 - 11 kW (separate data sheet)
	Connection: CE plug 32 A
	Cable: Watertight anti-wicking protection
	Phases: Phase inverter plug
Motor:	Protection: Circle thermal protector (snap-action bi-metal device)

QUALITY AND SAFETY

- QMS inspections executed before every rental
- Watertight cable entry connection
- Circle thermal protector
- Cable strain relieve

CURVE



