

4" ELECTRIC SUBMERSIBLE PUMP WASTE WATER

IDEAL USAGE

Projects that require transfer of waste water up to 61 m³/h and a free passage of 56 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:	61.8 m ³ /h (max), see curve
Max solid handling:	56 mm
Head:	23.5 m (max), see curve
Density:	1.4 kg/l (max)
Liquid temperature:	40 °C (max)

PUMP

Impeller:	Vortex
Degree of protection:	IP 68
Pressure resistance:	max 15 m
Speed:	2,850 RPM

WEIGHT AND MEASURES

Weight:	100 kg (Dry weight incl 20 m cable)
Height:	824 mm
Width (max):	500 mm
Connection:	4" 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 ceramic
Secondary seal:	Silicon carbide on carbon
Motor frame:	Cast iron (FC150)
Bearings:	Shielded ball bearings, maintenance-free

POWER CONNECTION

Power connection:	PCE plug 16 A / 5 P / 400 V
Housing material:	PC/ABS
Rated current:	16 A
Rated voltage/frequency:	200/346V~ - 240/415V~ / 50+60Hz
Contacts:	Brass nickel plated
Type of control element:	Push button switch
Cable:	Rubber, 20 m NSSHÖU 4C x 1,5 mm ²

ELECTRIC MOTOR

Motor make / model:	Dry-type submersible induction motor
Power input:	4.85 kW
Rated power:	3.70 kW
Voltage / Phase / Hz:	400 v / 3-phase / 50 Hz
Rated current:	7.7 A
Start current:	57.98 A
Starting mode:	Direct starting (DOL)
Insulation class:	F / 2 Poles

FEATURES

Lifting options:	Single lifting handle
Cable:	Standard executed with 20 m cable (power & floater)
Phases:	Phase inverter plug
Protection:	Watertight anti-wicking protection
Optional:	Connected floater
Motor:	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



