

4" ELECTRIC PUMP

IDEAL USAGE

Projects that require transfer of liquids in a range up to 330 m³/h with an optimum of 160 m³/h for a wide range of applications, where an electric power supply is available.

APPLICATIONS

- Pumping unarmful waste water containing large solids
- Pumping fluids for the construction industry
- Pumping unarmful fluids for municipal and industrial markets



PERFORMANCE

Maximum capacity:	330 m ³ /h, see curve
Best Efficiency Point:	350 m ³ /h @ 29 m
Maximum head:	23 m @ 1,800 RPM, see curve
Suction lift:	8.5 m (max) (water)
Free passage:	76 mm
Maximum pre-pressure:	50 m
Temperature:	0 °C (min) - 90 °C (max)
Rated current:	33.5 A

PUMP

Impeller:	Semi-open
Priming system:	Mechanically driven diaphragm vacuum pump Double floater on vacuum system
Capacity vacuum system:	85 m ³ /h

WEIGHT AND MEASURES

Weight:	1,200 kg total (wet weight)
Length:	2,185 mm
Width:	1,109 mm
Height:	1,416 mm
Connections:	4" ANSI suction side (x1) 4" ANSI discharge side (x1)
Length power cable:	20 m - 63 A 5P CEE

MATERIAL

Pump housing:	Ductile Iron (ASTM A536 65-45-12)
Impeller & shaft:	Stainless steel (CA6NM SS)
Gaskets & seals:	Fibre NBR gaskets / Viton O-Rings
Mechanical seal:	Tungsten carbide vs. silicon carbide seal faces, fluoroelastomers
Non return valve:	Nitrile rubber flapper
Canopy:	Zinc plated steel, painted
Bund:	Carbon steel hot dip galvanized

MOTOR

Motor make / model:	T3C.180M-4
Rated power:	18.5 kW
Power connection:	63 A / 5P / CEE
Motorpower / RPM:	18.5 kW / 1,460 RPM
Voltage / Phase / Hz:	400/690 V / 3-phase / 50 Hz
Motor speed control:	Variable frequency drive

FEATURES

Level control:	Yes, 20 m cable (suction side)
Optional:	High level stop (discharge side)
Lifting options:	Certified single point lifting bale and forklift pockets
Transducers/Pressure gauges:	Transducers & gauges
Telemetry:	Control & remote monitoring with alerts High and/or low pressure shut on/off settings Other settings on request

QUALITY AND SAFETY

Emergency stop switch (x2)
QMS inspections completed before every rental

CURVE



