

6" ELECTRIC PUMP

IDEAL USAGE

Projects that require transfer of liquids in a range up to 560 m<sup>3</sup>/h with an optimum of 350 m<sup>3</sup>/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

<b>Maximum capacity:</b>	560 m <sup>3</sup> /h, see curve
<b>Best Efficiency Point:</b>	350 m <sup>3</sup> /h @ 29 m
<b>Maximum head:</b>	33 m @1800 RPM, see curve
<b>Suction lift:</b>	8.5 m (max) (water)
<b>Free passage:</b>	76 mm
<b>Maximum pre-pressure:</b>	50 m
<b>Temperature:</b>	0 °C (min) - 90 °C (max)
<b>Rated current:</b>	53.8 A

PUMP

<b>Impeller:</b>	Semi-open
<b>Priming system:</b>	Mechanically driven diaphragm vacuum pump
<b>Capacity vacuum system:</b>	85 m <sup>3</sup> /h

WEIGHT AND MEASURES

<b>Weight:</b>	1,700 kg (total wet weight)
<b>Height:</b>	1,748 mm
<b>Width:</b>	1,200 mm
<b>Length:</b>	2,490 mm
<b>Connections:</b>	6" ANSI suction side (x1) 6" ANSI discharge side (x1)
<b>Length power cable:</b>	20 m - 63 A 5P CEE

MATERIAL

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

MOTOR

<b>Motor make / model:</b>	T3C.180M-4
<b>Rated power:</b>	30 kW
<b>Power connection:</b>	63 A / 5P / CEE
<b>Motorpower / RPM:</b>	24.3 kW / 1,800 RPM
<b>Voltage / Phase / Hz:</b>	400/690 V / 3-phase / 50 Hz
<b>Motor speed control:</b>	Variable frequency drive

FEATURES

<b>Level control:</b>	Yes, 20 m cable (suction side) Optional: high level stop (discharge side)
<b>Lifting:</b>	Certified single point lifting bale and forklift pockets
<b>Transducers/Pressure gauges:</b>	Transducers & gauges
<b>Telemetry:</b>	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



