

Qty. Description

1 SP 77-12



Note! Product picture may differ from actual product

Product No.: [16A04312](#)

Submersible borehole pump, suitable for pumping clean water. Can be installed vertically or horizontally. All steel components are made in stainless steel, EN 1.4301 (AISI 304), that ensures high corrosive resistance. This pump carries drinking water approval.

The pump is fitted with a 45 kW MMS8000 motor with sand shield, water-lubricated journal bearings and a volume compensating diaphragm.

The rewindable motor construction allows complete access to the windings for easy rewinding.

The stator windings are PE/PA insulated made for continuous operations (S1).

Suitable for temperatures up to 50 °C.

The motor is fitted with a mechanical shaft seal.

The motor is not fitted with a temperature sensor. If temperature monitoring is desired, a Pt100 or Pt1000 sensor can be fitted.

The motor is for direct-on-line starting (DOL).

Liquid:

Pumped liquid:	Water
Liquid max temp:	45 °C
Max liquid t at 0.15 m/sec:	40 °C
Max liquid t at 0.5 m/sec:	45 °C
Selected liquid temperature:	20 °C
Density:	998.2 kg/m ³

Technical:

Pump speed on which pump data are based:	2900 rpm
Rated flow:	77 m ³ /h
Rated head:	148 m
Shaft seal for motor:	SIC/SIC
Curve tolerance:	ISO9906:2012 3B
Motor version:	T45

Materials:

Pump:	Stainless steel EN 1.4301 AISI 304
Impeller:	Stainless steel EN 1.4301 AISI 304
Motor:	Cast iron DIN W.-Nr. 0.6025 ASTM 35-40

Installation:

Pump outlet:	RP5
Motor diameter:	8 inch

Electrical data:



Company name:

Created by:

Phone:

Date:

08/08/2022

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1	Motor type:	MMS8000
	Rated power - P2:	45 kW
	Power (P2) required by pump:	45 kW
	Mains frequency:	50 Hz
	Rated voltage:	3 x 380-400-415 V
	Rated current:	95.5-96.5-96.0 A
	Starting current:	560-600-680 %
	Cos phi - power factor:	0.88-0.82-0.80
	Rated speed:	2900-2910-2920 rpm
	Start. method:	direct-on-line
	Enclosure class (IEC 34-5):	IP68
	Built-in temp. transmitter:	no
	Motor No:	96476891
	Windings:	PE2/PA
	Others:	
	Minimum efficiency index, MEI ≥:	-.--
	ErP status:	EuP Standalone/Prod.
	Net weight:	252 kg
	Gross weight:	308 kg
	Shipping volume:	0.529 m ³
	Country of origin:	GB
	Custom tariff no.:	84137029