

# PRODUCT DATA SHEET

## SUBMERSIBLE PUMPS



### 3T series

The 3T submersible pumps, with centrifugal design of the hydraulic part, are designed for pumping clean, cold, fresh water from deep boreholes and other reservoirs.

#### FEATURES

- Can be installed in a manhole pipe with an internal diameter of 85 mm or more, reducing investment costs
- In the WK version, a capacitor is built into the motor, which makes for easy electrical connection
- All parts of the pump that come into contact with water are made of stainless materials
- Thermal protection built into the winding, which protects the motor against overheating (single-phase version WK)
- Three-wire power cable for 230V version with integrated capacitor and four-wire for 230V version with junction box and 400V version
- Two versions of the factory cable length: starter\* and 20 metres\*\*

\*The starter cable is a cable of sufficient length to accommodate the length of cable required by the customer.

\*\* Depending on individual requirements, we can attach an additional cable of the appropriate core diameter and length (multiples of 5m) to the factory cable with a hermetic connector. We provide a guarantee for the completed connector.



#### MATERIALS

Pump housing	stainless steel
Pressure/suction outlet	brass
Cable sheath	stainless steel
Mechanical gland	silicon carbide/coal
Rotors and diffusers	noryl
Pump shaft	stainless steel
Suction sieve	stainless steel
Clutch	stainless steel

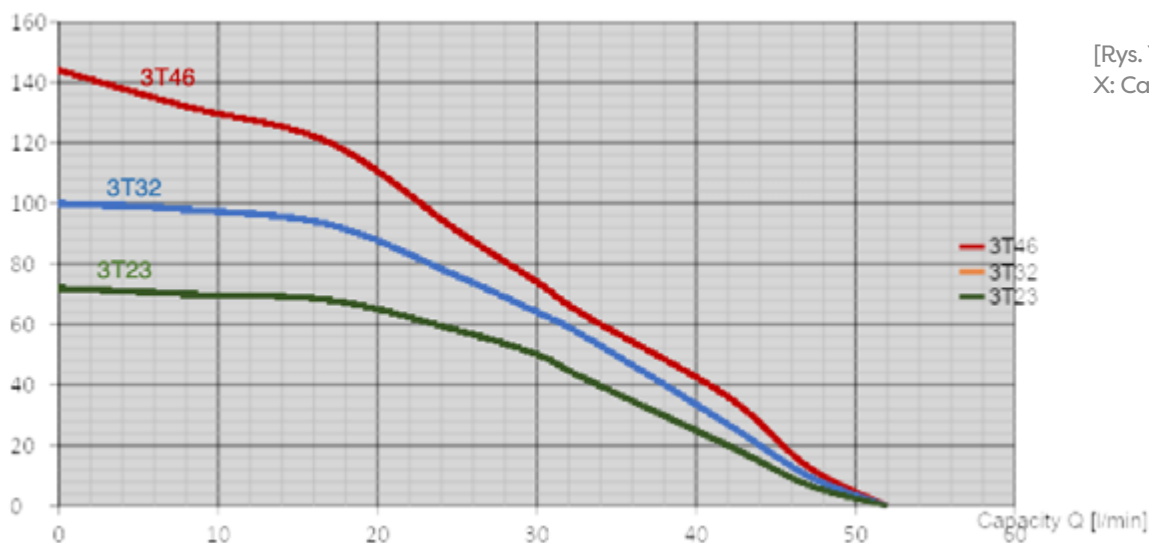
#### TECHNICAL DATA

Max. water temperature	35°C
Max. immersion depth	50 m
Working position	vertical
Length of power cable	20 m
Min. cooling flow	0.08 m/s
Max. number of starts	20/hour
Degree of protection	IP 68
Motor speed	2850 rpm
Insulation class	B

## TABLE AND GRAPH OF PARAMETERS

Pump model	Q max Capacity [l/min]	H max Head max [m]	P Motor power [kW]	U Voltage [V]	I Current [A]	C Capacitor [ $\mu$ F]	COS $\phi$	RP-Ø Output press [inch]	H Height aggregate [mm]	A Diameter pumps [mm]	Weight aggregate [kg]
3T23	52	72	0.55	230	4.5	25	0.93	1"	1024	75	11
				400	1.5	-	0.85				
3T32	52	100	0.75	230	5.8	30	0.93	1"	1223	75	13.3
				400	2.2	-	0.85				
3T46	52	144	1.1	230	7.7	35	0.93	1"	1492	75	15.7
				400	3	-	0.86				

Depending on the motor selected, the Weight and Height of the complete pump unit will change.



Model	Power motor (kW)	Capacity (Q)								
		m <sup>3</sup> /h	0	0.5	1.0	1.5	1.8	2.0	2.5	2.8
3T23	0.55	l/min	0	8	17	25	30	33	42	47
		H(m)	72	70	68	58	50	42	20	7
3T32	0.75	H(m)	100	98	93	76	64	56	27	10
3T46	1.1	H(m)	144	132	120	91	74	63	36	13

The manufacturer reserves the right to make design and colour changes to the product at any time without prior notice. Photographs, drawings and diagrams are for illustrative purposes only. Verification of product parameters was carried out on a selected batch. Depending on the production batch, these parameters may vary. Before purchasing the product, please check the parameters of the specific unit on the nameplate. The specified parameters are obtained at the unit output without taking into account external factors, e.g. in pumps - resistance of the discharge and suction installation. The unit parameters were obtained under laboratory conditions. Under operating conditions, there may be a difference of +/- 10 % from that indicated on the nameplate of the individual unit. The maximum motor power quoted is the power output at the motor shaft. Version 08/2022.