

TEX 3

Submersible electro-pumps with free-flow impeller and vertical float-switch



Description

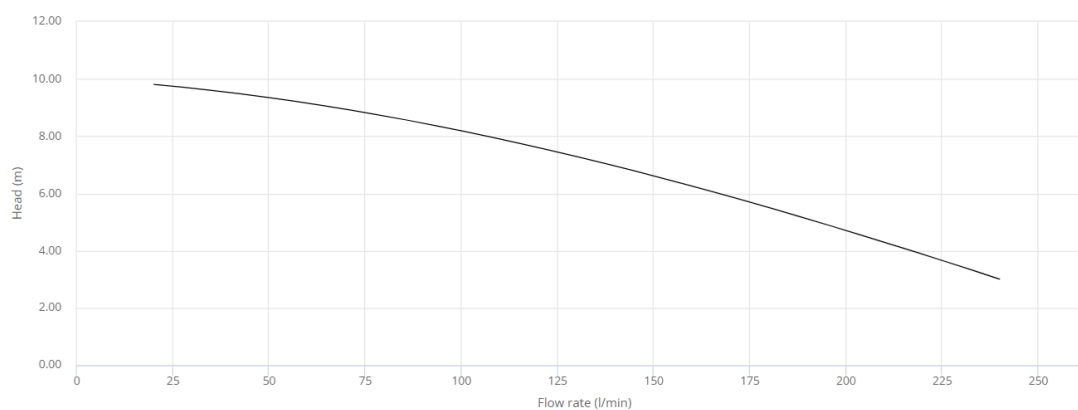
The TEX pump is suitable for use with dirty water that is not chemically aggressive towards the materials from which the pump is made. Because of the design solutions that have been adopted, such as the complete cooling of the motor and the shaft with double seal, these pumps are easy to use and reliable. They are suitable for use in applications such as clearing dirty water, emptying tanks, discharging domestic waste water, and for emptying collection traps containing suspended solids up to a maximum of Ø 30 mm.

Construction and safety standards

The pumps are complete with:

- 5 m long power cable
- Vertical-sliding magnetic float switch (adjustable level)
- EN 60335-1, IEC 60335-1
- EN 60034-1, IEC 60034-1

Head



Pump and Motor Data

Product		Duty Point	
Code	48TEX03A1	Flow rate (actual)	0.000 l/min
Family	TEX	Head (actual)	0.000 m
Group	Dirty water drainage	Pump nameplate data	
Typology	Submersible	Flow rate	20 - 240 l/min
Extra UE Only	No	Head	9.8 - 3 m
Uses	Household	Maximum head	10 m
Application limits		Minimum head	3 m
Liquid Type	Dirty Water	Minimum Efficiency Index	-
Minimum liquid temperature	0 °C	Motor nameplate data	
Maximum liquid temperature	40 °C	Voltage	220-240 V
Maximum Chlorine Content	- ppm	Phases	1
Maximum Sand Content	- ppm	Frequency	50 Hz
Manometric suction lift	0 m	Rotation Speed	2900 rpm
Maximum immersion depth	5.00 m	Rated output power	0.55 kW
Maximum Ambient Temperature	- °C	Rated Current	3.3 A
Minimum Ambient Temperature	- °C	Input power P1	0.72 kW
Maximum Working Pressure	- bar	Efficiency grade	Undefined
Connections		Capacitor	12.5 µF
Type of connection	Gas threaded	Capacitor Voltage	450 V
Size of suction connection	-	Insulation Class	F
Size of delivery connection	1 1/4"	Enclosure class IP	X8

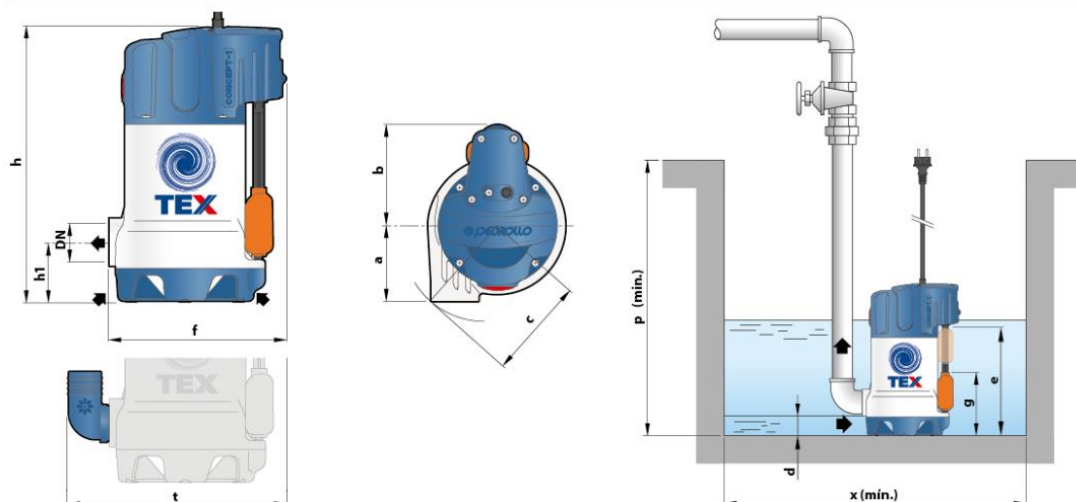
Input Data

Rated flow rate (requested)	0.000 l/min
Rated head (requested)	0.000 m
System geodetic head	0.000 m
System friction losses	0.000 m
NPSH Available	0.000 m
Liquid	Water
Temperature	20 °C
Density	998.1 kg/m ³
Kinematic Viscosity	1.00 mm ² /s
Vapour Pressure	2,318 Pa

Other Pump Data

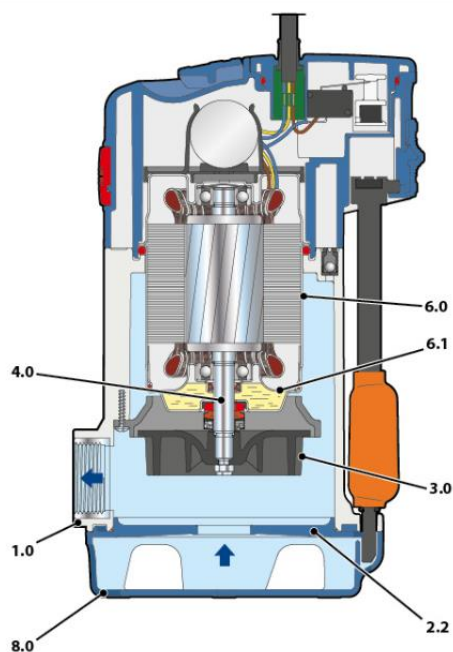
Max Sound Pressure Level (1 m)	- dBA
Horizontal installation	No
Solids free passage	30.00 mm

Dimensions



DN1	DN2	a	b	c	d	e	f	g	h	h1	p	t	x	Kg
[mm]														
-	1 1/4"	88	117	118	35	220	205	110	318	69.5	350	251	220	6.4

Construction



Bearings

Motor bearing - pump side	6201 ZZ
Motor bearing - opposite side	6201 ZZ

Shaft Seal

Seal Type	Double: Mechanical seal and Lip seal in an oil chamber
Motor Side Model	Lip seal
Diameter MS	12
Elastomer MS	NBR
Reducer DN1=450 DN2=350	STA-12R
Diameter PS	12
Stationary Ring PS	Ceramic
Rotating Ring PS	Graphite
Elastomer PS	NBR

Materials

1.0 - Pump casing	Reinforced technopolymer
2.2 - Suction Cover	Reinforced technopolymer
3.0 - Impeller	Reinforced technopolymer
4.0 - Pump Shaft	Stainless steel EN 1.4057 (AISI 431)
6.0 - Motor casing	Stainless steel EN 1.4301 (AISI 304)
6.1 - Motor Cover	Stainless steel EN 1.4301 (AISI 304)
8.0 - Suction Strainer/Filter	Reinforced technopolymer