

Code	48TPMA070A1U	Extra UE Only	No
Family	TOP MULTI-TECH	Uses	Agricultural
Group	Close-coupled		Civil
Typology	Borehole		Industrial

Application limits

Liquid Type	Clean Water
Minimum liquid temperature	0 °C
Maximum liquid temperature	40 °C
Maximum Chlorine Content	- ppm
Maximum Sand Content	- ppm
Manometric suction lift	0 m
Maximum immersion depth	5.00 m
Maximum Ambient Temperature	- °C
Minimum Ambient Temperature	- °C
Maximum Working Pressure	- bar

Construction and safety standards

Complete with:	<ul style="list-style-type: none">10 m long power cableinternal electronic device for pump starting (when tap opened) and stopping (when tap closed)threaded connector 1/4' (delivery)hose connector 35 mm
	<ul style="list-style-type: none">EN 60335-1, IEC 60335-1EN 60034-1, IEC 60034-1

Connections

Type of connection	Gas threaded
Size of suction connection	-
Size of delivery connection	1 1/4"

Duty Point

Flow rate (actual)	0.000 l/min
Head (actual)	0.000 m
Overall Efficiency	0.00 %
Motor input power P1	0.00 kW

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/m³
Kinematic Viscosity	1.00 mm²/s
Vapour Pressure	2,318 Pa

Pump nameplate data

Flow rate	10 - 80 l/min
Head	38.5 - 6 m
Maximum head	40 m
Minimum head	6 m
Minimum Efficiency Index	-

Other Pump Data

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

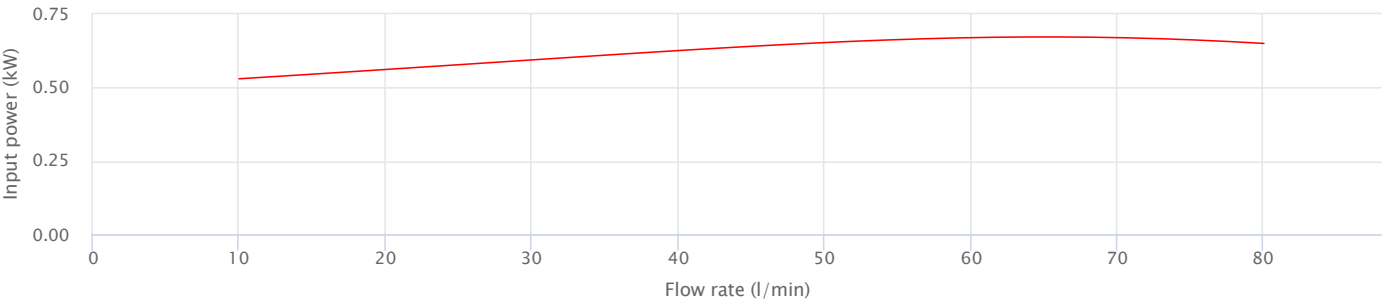
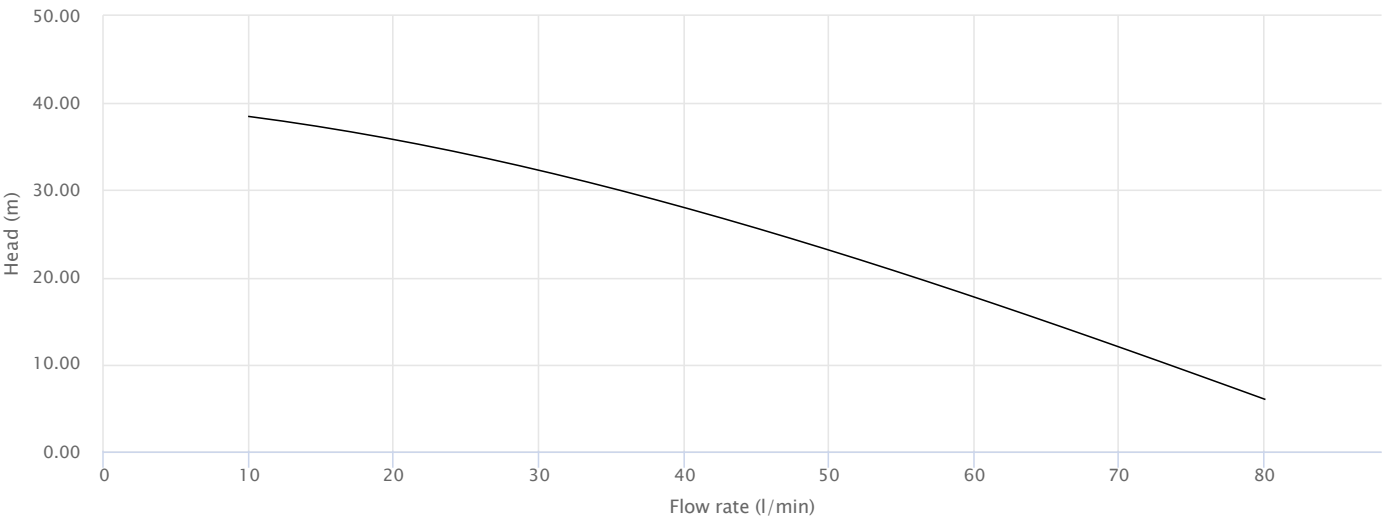
Motor nameplate data

Voltage	220-240 V
Phases	1
Frequency	50 Hz
Rotation Speed	2900 rpm
Rated output power	0.55 kW
Rated Current	3.4 A
Input power P1	0.71 kW
Efficiency grade	Undefined
Capacitor	12.5 µF
Capacitor Voltage	450 V
Insulation Class	F
Enclosure class IP	X8

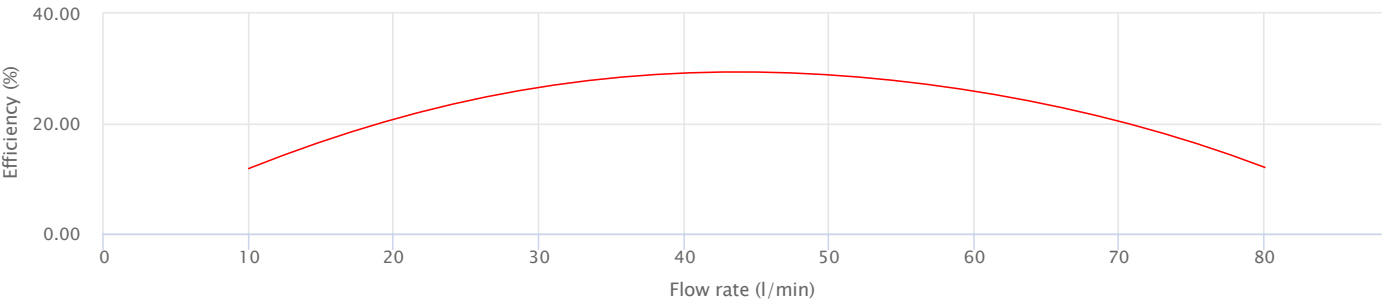
Other Motor Data

Starting/Rated Current	2.309
Max No. Starts Per Hour	20
Service Factor	-
Cos Φ (4/4)	-
Efficiency (4/4)	IE1-69.0 %
Thermal Protection	Thermally Protected
Plug Type	-
Minimum flow rate for motor cooling	- cm/s
Minimum submersion for S1 duty	- mm

Performance



— Motor input power P1



— Overall efficiency

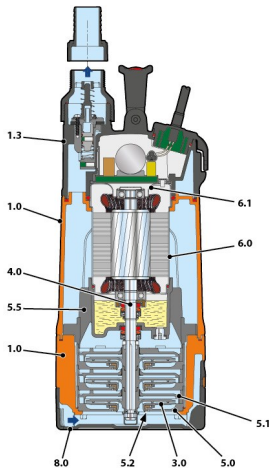
Construction

Bearings

Motor bearing - pump side	6202 ZZ - C3
Motor bearing - opposite side	6201 ZZ

Shaft Seal

Seal Type	Two mechanical seals separated by an oil chamber
Motor Side Model	STA-13R
Diameter MS	13
Stationary Ring MS	Ceramic
Rotating Ring MS	Graphite
Elastomer MS	NBR
Reducer DN1=450 DN2=350	STA-12R SG
Diameter PS	12
Stationary Ring PS	Silicon Carbide
Rotating Ring PS	Graphite
Elastomer PS	NBR



Materials

1.0 - Pump casing	Reinforced technopolymer
1.3 - Delivery casing	Reinforced technopolymer
3.0 - Impeller	Reinforced technopolymer
4.0 - Pump Shaft	Stainless steel EN 1.4057 (AISI 431)
5.0 - Stage casing	Reinforced technopolymer
5.1 - Diffuser	Reinforced technopolymer
5.2 - Liner Ring	Polyacetal POM
5.5 - Vane diffuser	Reinforced technopolymer
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

Dimensions

DN2	a	h	
		[mm]	
1 1/4"	178	428	8.7

