

ONGA®

TANKBUDDY SERIES

SUBMERSIBLE DOMESTIC PRESSURE PUMP MULTISTAGE PUMP



OTB450



FEATURES

Stainless steel body provides strength and superior protection against corrosion.

Precision moulded internals for high efficiency and durability.

Coupled with a Minipress, or WaterSwitch this becomes a reliable automatic pressure system with loss of prime protection.

Dual lip seal.

Fully insulated cable connection chamber.

Inbuilt thermal overload.

Max. head - 32m.

Max. flow - 100lpm.

APPLICATIONS

-Domestic pressure system (with Minipress or WaterSwitch), irrigation and garden water supply and water transfer. Tank or sump emptying (with float) of clean water.

SCOPE OF SUPPLY

OTB450W

TankBuddy manual pressure pump.

OTB450A**

TankBuddy pump with with integrated float (sump pump style).

OTBM450*

TankBuddy pump with Onga MiniPress and wall mounting bracket.

PUMP INFORMATION

Vertical, multistage, submersible pump with closed impellers for pumping debris free water, with inbuilt thermal overload.

OPERATING CONDITIONS

Suitable for pumping clean non-aggressive liquids without solids or fibres in suspension.

Fluid:	Water.
Maximum water temperature:	40°C.
Minimum water temperature:	1°C.
Minimum working pressure:*	140kPa.
Maximum working pressure:	280kPa.
Maximum submergence:	7m.
Minimum priming level:	80mm.
Pump on level (factory set):**	400mm.
Pump off level:**	150mm.

ELECTRICAL DATA

Type	Type of current	Voltage ±10%	Frequency Hz	Motor rating kW		RPM min	Full current	Motor protection	Insulation class	IP rating
				P1	P2					
OTB450	1-phase	230	50	0.85	0.65	2850	4 A	Inbuilt	F	IP68

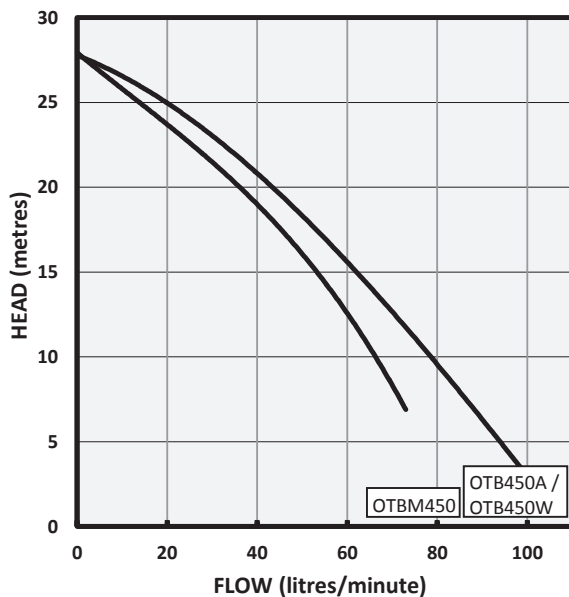
DIMENSIONS

Type	Pump L x W x H	Weight approx.	Packed L x W x H	Packed weight	Pump outlet	No. of stages	Cable length
OTB450W	148 x 222 x 327 mm	7.4kg	280 x 245 x 415 mm	7.6kg	1¼" BSP (male)	3	10 m

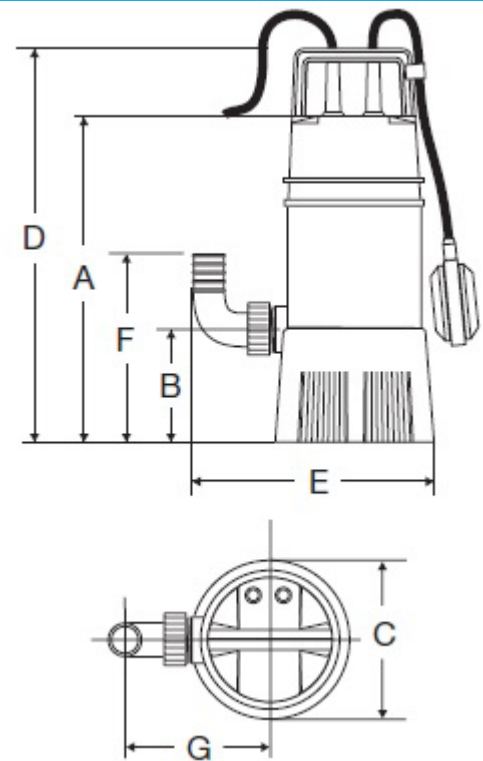
PERFORMANCE

Type	P/No	Delivery head [m]	5	10	15	20	25
Tankbuddy (Minipress)	OTBM450	Capacity [litres per minute]	-	66	53	37	13
Tankbuddy (auto / manual)	OTB450A / OTB450W		92	78	64	44	17

PERFORMANCE CURVE



DIMENSIONS



PUMP CONSTRUCTION MATERIALS

Component	Material
Pump body casing	Powder coated Alloy
Motor body casing	304 Stainless Steel
Impellers	Polymer
Diffusers	Polymer
Inlet flange / screen	Polymer
Discharge	Alloy
Motor shaft	303 Stainless Steel
O'Ring	Nitrile
Seal	Dual lip seal

Type	A	B	C	D	E	F	G
OTB450	282	86	148	327	222	157	133



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