

**ONGA®**

## 12 SERIES

### MOULDED WATER TRANSFER PUMPS

### CENTRIFUGAL PUMPS



122



#### FEATURES

High grade corrosion resistant moulded construction.

Open designed impeller.

Strong and durable construction.

Max. head - 20m.

Max. flow - 280lpm.

#### APPLICATIONS

- Domestic, industrial or rural water transfer pump including grey water.
- Sump emptying.
- Effluent transfer.
- Hydroponics.
- Fountains and waterfalls.

#### PUMP INFORMATION

Horizontal, single-stage, surface mounted centrifugal pump with open impeller coupled to a cool running Totally Enclosed Fan Cooled 2 pole motor with external thermal overload (single phase only, three phase units require separate quick trip overload supplied by electrical contactor).

#### OPERATING CONDITIONS

Suitable for pumping clean, grey and effluent water.

Fluid:	Water.
Maximum water temperature:	70°C.
Minimum water temperature:	1°C.
Maximum ambient temperature:	55°C.
Maximum working pressure:	350kPa.

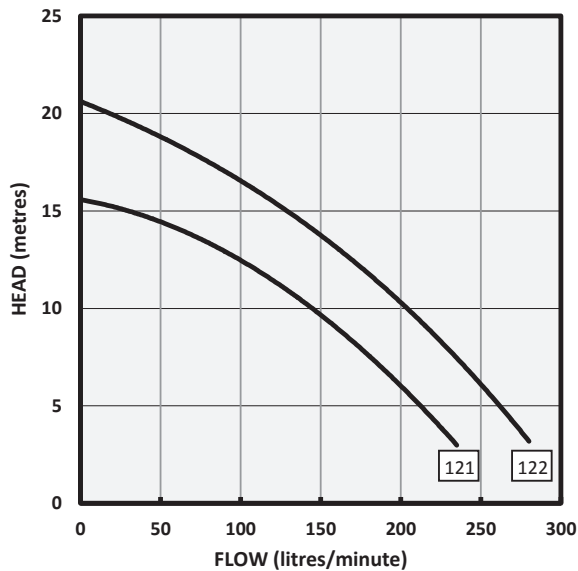
## ELECTRICAL DATA

Type	Type of current	Voltage ± 10%	Frequency Hz	Motor rating kW	Nominal RPM	Current Ampere	Locked rotor current	Motor protection	Insulation class	IP rating
				P2						
121	1-phase	230	50	1.1	2900	10.8 A	38.8 A	Auto	B	IP44
122	1-phase	230	50	1.1	2900	10.8 A	38.8 A	Auto	B	IP44
122	3-phase	400	50	1.1	2900	3.3 A	23.6 A	-	B	IP44

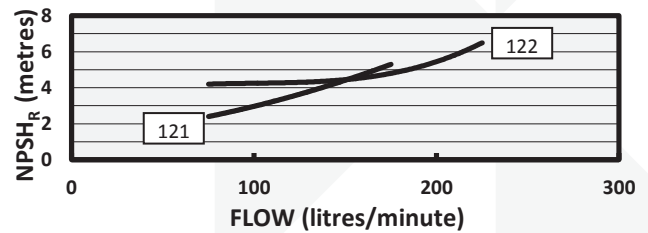
## PERFORMANCE

Type	P/No	Delivery head H [m]	5	10	15	20
			Capacity [litres per minute]	213	144	30
121	312100	Capacity [litres per minute]	213	144	30	-
122	312200 / 312230		262	204	129	17

## PERFORMANCE CURVE



## NPSHR



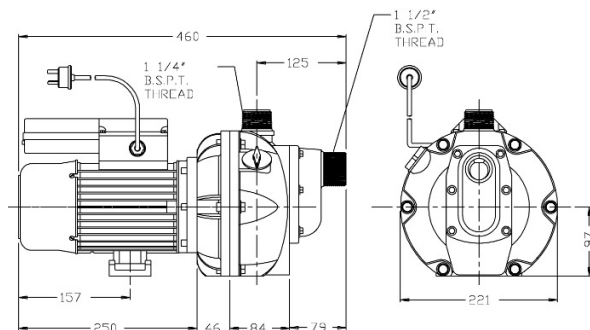
## PUMP CONSTRUCTION MATERIALS

Component	Material
Pump casing	20% Glass Filled ABS
Baffle	20% Glass Filled Nylon
Priming cap	Acetyl
Impeller	20% Glass Filled Polycarbonate
Diffuser	20% Glass Filled Nylon
Shaft sleeve	Stainless Steel
Seal flexible bellows	Nitrile
Seal stationary face	Ceramic
Seal rotating face	Carbon
Seal spring	304 Stainless Steel
Motor shaft	Mild Steel
O'Rings	Nitrile

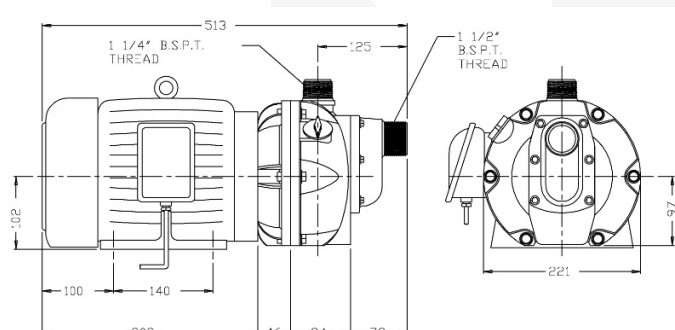
## DIMENSIONS

Type	Pump inlet	Pump outlet	Carton L x W x H	Packed weight
121	1½" BSP (male)	1¼" BSP (male)	590 x 290 x 340 mm	14 kg
122/1	1½" BSP (male)	1¼" BSP (male)	590 x 290 x 340 mm	14 kg
122/3	1½" BSP (male)	1¼" BSP (male)	590 x 290 x 340 mm	17 kg

### Single phase



### Three phase



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