

**ONGA®**

## JM100 SERIES

### MOULDED DOMESTIC PRESSURE PUMP JET PUMP



JMM100



#### FEATURES

Moulded casing provides superior protection against corrosion.

Precision moulded internals for high efficiency and durability.

Coupled with a Minipress this becomes a reliable automatic pressure system with dry run protection.

Excellent priming capabilities.

Suction lift to 7.6m.

Inbuilt thermal overload.

Max. head - 38m.

Max. flow - 44lpm.

#### APPLICATIONS

- Domestic pressure system (with Minipress).
- Irrigation and garden water supply.
- Water transfer.

#### PUMP INFORMATION

Horizontal, single-stage, surface mounted jet pump with closed impeller for pumping debris free water, integrated with a cool running Totally Enclosed Fan Cooled 2 pole motor 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.
Maximum ambient temperature:	50°C.
Minimum working pressure:	140kPa.
Maximum working pressure:	600kPa.

#### SCOPE OF SUPPLY

**JM1000**  
manual pressure pump.

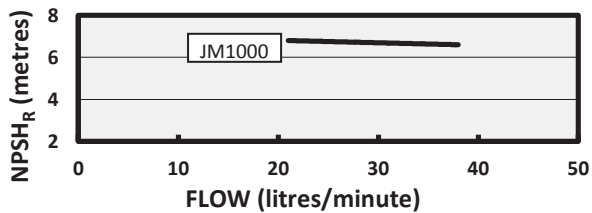
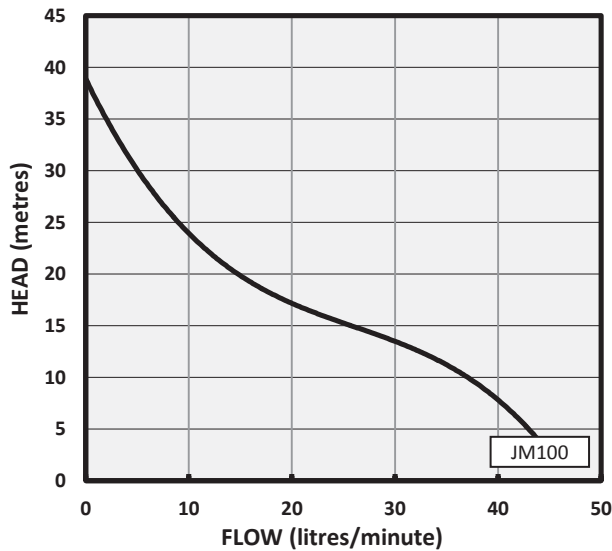
**JMM100**  
JM100 pump with Onga Minipress.

## ELECTRICAL DATA

Type	Type of current	Voltage $\pm 10\%$	Frequency Hz	Motor rating kW		RPM min	Full Current	Locked rotor current	Motor protection	Insulation class	IP rating
				P1	P2						
JM1000	1-phase	230	50	0.45	0.3	2850	2.1 A	8.8 A	Inbuilt	F	IPX5

## PERFORMANCE

Type	P/No	Delivery head H [m]	5	10	15	20	25	30	35
JMM100	JMM1000	Capacity [litres per minute]	43	37	25	14	9	5	2



## PUMP CONSTRUCTION MATERIALS

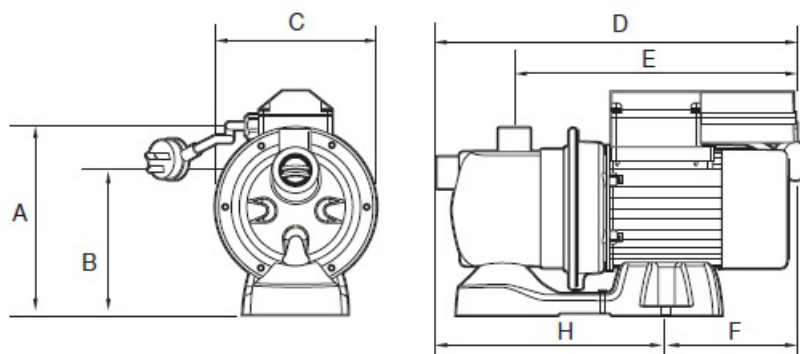
Component	Material
Pump casing	Polypropylene
Baffle	Technopolymer
Priming cap	Noryl
Impeller	Technopolymer
Diffuser	Noryl
Jet/Venturi	Noryl
Seal flexible bellows	Nitrile
Seal stationary face	Ceramic
Seal rotating face	Carbon
Seal spring	304 Stainless Steel
Motor shaft	416 Stainless Steel
O'Rings	Nitrile

## PUMP INFORMATION

Type	No. of stages	Noise levels dB(A)			
		Open valve -side	Shut valve -side	Open valve -rear	Shut valve -rear
JM1000	1	71	69	73	73

## DIMENSIONS

Type	Pump L x W x H	Weight approx.	Packed L x W x H	Packed weight	Pump inlet	Pump outlet
JM1000	405 x 175 x 215 mm	6.7kg	445 x 220 x 310 mm	9kg	1" BSP (male)	1" BSP (male)
JMM100	405 x 175 x 390 mm	7.7kg	670 x 230 x 300 mm	9kg	1" BSP (male)	1" BSP (male)



Type	A	B	C	D	E	D-E	H
JM100	215 mm	160 mm	175 mm	405 mm	312 mm	103 mm	270 mm



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