

JMP SERIES

MOULDED DOMESTIC JET PUMP

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.



APPLICATIONS

Domestic pressure systems (with ONGA PressControl), irrigation, garden water supply and transfer.

PUMP INFORMATION

Type	No. of stages	Noise levels dB(A)			
		Open valve -side	Shut valve -side	Open valve -rear	Shut valve -rear
JMP100/ JMP110	1	71	69	73	73

PUMP CONSTRUCTION MATERIALS

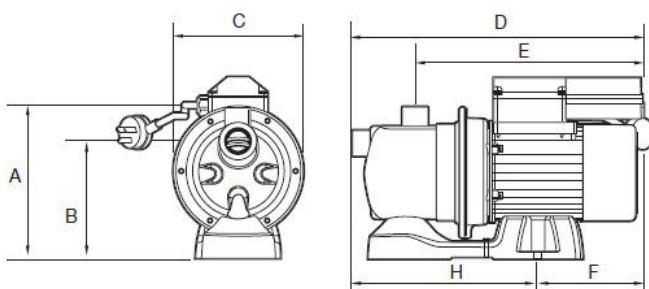
Component	Material
Pump casing	Polypropylene
Baffle	Technopolymer
Priming cap	Noryl
Impeller	Technopolymer
Diffuser	Noryl
Jet/Venturi	Noryl
Seal flexible bellows	Nitrile
Seal stationary face	Ceramic
Seal rotating face	Carbon
Seal spring	304 Stainless Steel
Motor shaft	416 Stainless Steel
O'Rings	Nitrile

ELECTRICAL DATA

Model	PN	Type of current	Voltage ±10%	Frequency Hz	Motor rating kW		RPM min	Full Current	Locked rotor current	Motor protection	Insulation class	IP rating
					P1	P2						
JMP100	JMP1000	1-phase	230	50	0.45	0.3	2850	2.1 A	8.8 A	Inbuilt	F	IPX5
JMP110	JMP1100	1-phase	230	50	0.55	0.45	2850	2.6 A	17 A	Inbuilt	F	IPX5

DIMENSIONS

Type	Pump L x W x H	Weight approx.	Packed L x W x H	Packed weight	Pump inlet	Pump outlet
JMP100/ JMP110	405 x 175 x 215 mm	6.7kg	445 x 220 x 310 mm	9kg	1" BSP (male)	1" BSP (male)



Model	A	B	C	D	E	D-E	F	H
JM100/ JM110	215	160	178	395	312	83	135	260

KEY FEATURES

- Composite casing provides superior protection against corrosion
- Precision moulded internals for high efficiency and durability
- Coupled with a ONGA PressControl 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 - 52lpm

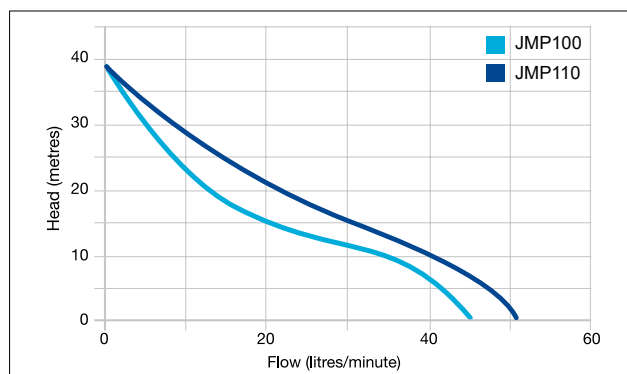
OPERATING CONDITIONS

Fluid:	Water
Max. Water temperature:	40°C
Min. Water temperature:	1°C
Max. Ambient temperature:	50°C*
Min. Working pressure:	140kPa
Max. Working pressure:	600kPa

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

PERFORMANCE

P/No	Suction depth capacity (m)	Flow	0	10	20	30	40
JMP100	0	Capacity [L/minute]	45	36	15	6	-
	1.5		41	32	14	5	-
	3		36	29	12	5	-
	4.6		32	25	11	4	-
	6.1		26	21	9	3	-
	7.6		18	14	6	2	-
JMP110	0		52	44	22	9	-
	1.5		47	40	20	8	-
	3		42	35	18	7	-
	4.6		36	31	15	6	-
	6.1		30	25	13	5	-
	7.6		21	18	9	4	-



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