

50 Hz



Construction

- The VMJ pumps are self priming, horizontal, single-stage, centrifugal jet pumps.
- Motor and pump are close coupled in a convenient and compact design for quick installation in limited space.
- The pump is fitted with a maintenance-free, mechanical shaft seal.
- The pumps have axial suction port and radial discharge port.

Applications

- For clean liquids without abrasives, which are non-aggressive for the pump materials. (solids content up to 0.2%)
- For water supply.
- For heating, cooling, air-conditioning and circulation plants.
- As pressure boosting pumps for central water systems.
- For watering gardens.
- For circulation plants.
- For washing with a jet of water.

Operating Conditions

- Liquid temperature up to 90°C.
- Ambient temperature up to 50°C.
- Total suction lift up to 9 m.
- Continuous duty.

Direction of rotation

Clockwise as seen from the motor rear end.

Motor

- 2-pole induction motor, 50 Hz (n = 2900 RPM)
- Single phase 230V +5% -15% with thermal protection.
- Insulation class B.
- Protection IP 44.
- Constructed in accordance with IEC 34.
- Available in 60 Hz.

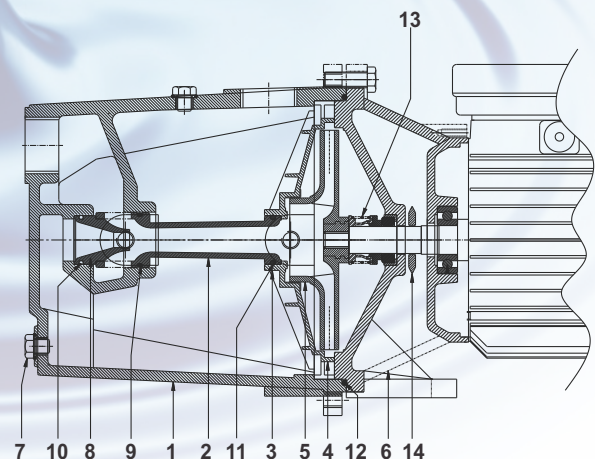
Special Features on Request

- Other voltages.
- Available in three phase.
- Available brass impeller.
- Special mechanical seal.
- Higher liquid or ambient temperatures.

Materials

Pos.	Component	Material
1	Pump Casing	Cl.GR.FG.200
2	Ejector	GFN3V Noryl
3	Diffuser Plate	Cl.GR.FG.200
4	Diffuser	GFN3V Noryl
5	Impeller	GFN3V Noryl
6	Adaptor	Cl.GR.FG.200
7	Drainage Plug	Brass
8	Nozzle	GFN3V Noryl
9	'O' for Ejector Front Side	Nit. Rubber
10	'O' for Nozzle	Nit. Rubber
11	'O' for Ejector Back Side	Nit. Rubber
12	'O' for Pump Casing	Nit. Rubber
13	Mechanical Seal	Ceramic/Carbon
14	Water Thrower	Rubber

Sectional drawing



Performance data For Centrifugal Pumps

MODEL	POWER		Pipe Size [mm]	Q m ³ /h	n = 2900 rpm					
	KW	HP			0.6 1.2 1.5 1.8 2.1 2.4					
					l/min 10 20 25 30 35 40					
VMJ050CC	0.37	0.50	25x25	H mts.	28	20	17	15	13.5	12.5

MODEL	POWER		Pipe Size [mm]	Q m ³ /h	n = 2900 rpm					
	KW	HP			0.6 1.2 1.8 2.4 3.0 3.5					
					l/min 10 20 30 40 50 57.5					
VMJ100CC	0.75	1.00	25x25	H mts.	45.5	41	35.5	28.5	20	12.5

MODEL	POWER		Pipe Size [mm]	Q m ³ /h	n = 2900 rpm											
	KW	HP			1.8 2.4 3.0 3.6 4.2 4.8 5.4 6.0 6.6 7.2											
					l/min 30 40 50 60 70 80 90 100 110 120											
VMJ150DC	1.10	1.50	32x25	H mts.	41	36.9	33	30	27.5	25.5	24	23	22	21		

MODEL	POWER		Pipe Size [mm]	Q m ³ /h	n = 2900 rpm											
	KW	HP			1.8 2.4 3.0 3.6 4.2 4.8 5.4 6.0 6.6 7.2											
					l/min 30 40 50 60 70 80 90 100 110 120											
VMJ200DC	1.50	2.00	32x25	H mts.	50	46	42.5	39.5	37	35	33	32	31	30		

Performance Curve

