

## TYPE : JMLH

### Pumped Liquids

Thin, clean , non-aggressive and non-explosive liquids without solid particles or fibers .

### Pump

The JMLH is a non self- priming, horizontal, centrifugal pump with mechanical shaft seal and extended pump/motor shaft. The pump has axial suction port and radial discharge port and is mounted on a baseplate.

Impellers and diffusers are made of stainless steel.

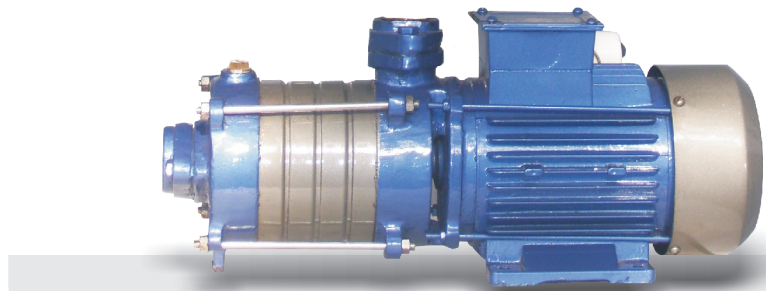
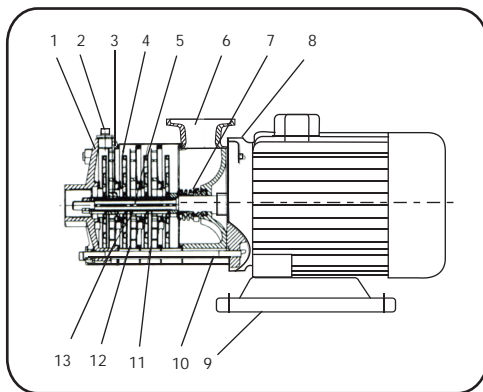
Viton O- rings are standard.

For pipe connections see table.

Connections	JMLH2	JMLH4
Axial suction port	Rp1	Rp 1/Rp $\frac{1}{4}$
Radial Discharge port	Rp1	
Drain portok Priming port	Rp $\frac{3}{8}$	Rp $\frac{3}{8}$

### Motor

JMLH Series Pumps-Sectional view and parts detail



The pump is coupled with JPC motor, which is a enclosed, fan-cooled squirrel-cage motor.

Normal speed : 2900 rpm.

Enclosure Class : IP 54.

Insulation Class : H.

Standard Voltages : 1 x 220-240V  
3 x 220-24/380 -415V.

Single-phase motors have a built-in thermal overload protection.

Three-phase motors must be connected to a motor starter according to local regulations.

No.	Name	Std. Material	Grade	Option
1.	Inlet body	Cast Iron	FG200	AISI304/316 L
2.	Connection pipe	Stainless steel	AISI304/316 L	
3.	Bearing			
4.	Impeller	Stainless steel	AISI304/316 L	
5.	Shaft	Stainless steel	AISI410	AISI304/316 L6
6.	Pump outlet	Cast Iron	FG200	AISI304/316 L
7.	Mechanical seal		SC v/s Ceramic	TC v/s Silicon Carbide
8.	Motor end cover	Aluminum alloy		
9.	Base frame	Cast iron	ASTM25B	
10.	Pull rod	Stainless steel	AISI304	
11.	Diffuser	Stainless steel	AISI304/316 L	
12.	Diffuser with bearing	Stainless steel	AISI304/316 L	
13.	Impeller Separating sleeve	Noryl		AISI304/316 L

### Operating Conditions

Liquid Temperature Range : 0°C till +90°C. Max. Ambient Temperature : +55°C.

Maximum operating pressure depends on the temperature of pumped liquid.

Min. inlet pressure : According to NPSH curve +a safety margin of 1.0 m.

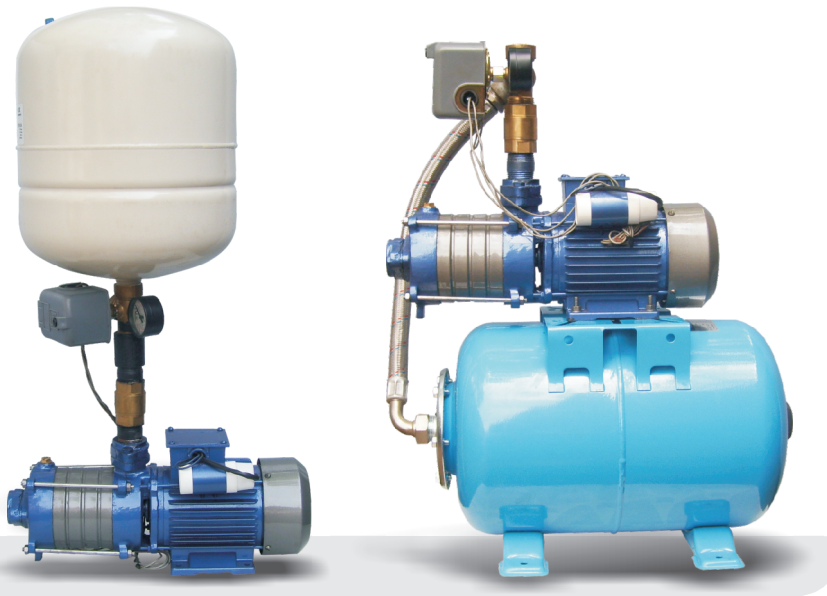
Max inlet pressure : Limited by max. operating pressure.

Performance Table

Model No.	Driving Motor (KW/hp)	Q	(m <sup>3</sup> /hr)	0.5	1.0	1.5	2.0	2.5	3.0	3.5
			LPM	8.3	16.6	25	33.3	41.6	50	58.3
JMLH 2-20	0.37/0.5	H (M)		19	18	16	15	13	11	9
JMLH 2-40	0.37/0.5			28	27	24	21	20	17	14
JMLH 2-40	0.55/0.75			36	34	32	28	26	23	17
JMLH 2-50	0.55/0.75			46	43	40	35	33	28	22
JMLH 2-60	0.75/1			54	50	48	42	38	33	25

Performance Table

Model No.	Driving Motor (KW/hp)	Q	(m <sup>3</sup> /hr)	1	2	3	4	5	6	7
			LPM	16.6	33.3	50	66.6	83.3	100	116.6
JMLH 4-20	0.55/0.75	H (M)		19	18	16	15	13	10	7
JMLH 4-30	0.55/0.75			28	27	24	22	19	15	10
JMLH 4-40	0.75/1			38	36	32	30	26	20	14
JMLH 4-50	1.1/1.5			46	44	41	38	32	26	20
JMLH 4-60	1.1/1.5			55	53	50	45	37	31	26



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