



Smart solutions.
Strong relationships.

Vertical In-line Pumps "ILM" Series



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Features :

- Vertical In-line design means minimum space requirement, easy installation with smooth and quiet operation.
- Single stage, single suction monostage pumps mounted by their suction and delivery flanges, with additional support, if required.
- Back pull-out design.
- Flange mounted motor ensures easy maintenance.
- TEFC motor with class 'F' insulation and temperature rise restricted to class 'B' for long life.
- Volute and adaptor fitted with bronze wearing ring for least internal leakage.
- High quality and long life mechanical seal.
- Suitable upto 65°C water with standard mechanical seal and 110°C water with special mechanical seal.
- Rust-free bronze impeller.

Material of Construction

No.	Part	Material
1	Shaft	SS 410
2	Adaptor	Graded Cast Iron
3	Aircock	Bronze
4	Volute Casing	Graded Cast Iron
5	Delivery Flange	Graded Cast Iron
6	Base Plate	Graded Cast Iron
7	Mechanical Seal	STD/SPECIAL
8	Wearing Ring (Adaptor)	Bronze
9	Impeller	Graded Cast Iron / Bronze
10	Wearing Ring (Volute)	Bronze
11	Delivery Flange	Graded Cast Iron

Other MOCs : On Request

Standard Specifications :

Range	: 0.37 kW to 7.5 kW (0.5 HP to 10.0 HP)
Supply	: 415V, 3 Phase, 50Hz, AC.
Pipe size	: 32 x 32 mm to 100 x 100 mm.
Total head	: Upto 30 metres.
Capacity	: Upto 1400 LPM.
Liquid	: Clear water
Rotation	: Anti-clockwise as viewed from motor end
Operating Temperature	: Suitable upto 65°C water

Electric Motor :

Voltage	:415 V
Phase	:3 phase, 50 Hz, AC
Protection	:IP54
Class of Insulation	: 'F' Class subject to Class "B" Temperature rise
RPM	:3000 (SYN)
Voltage Band	: 350-440 V

Applications :

- Open Loop and Closed Loop water circuits.
- Water pressure boosting for Industrial and Sprinkler Systems.
- Water circulation for Cooling Towers in Air Conditioning Plants and Cold Storage Plants.
- Water supply and circulation for Industrial and Commercial Establishments.
- Hot water handling systems.
- Auxiliary equipment for water circulation.
- Irrigation and dewatering Systems.

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Approximate Performance At Rated Voltage & 50 Hz. Single Phase / 3 Phase Ac Power Supply

Rating	Pipe size Suc. x Del. (mm)	Motor		DISCHARGE IN LPM												
				10	12	14	16	18	20	22	24	26	28	30		
		kW	HP	TOTAL HEAD IN METRES												
ILM052	32 x 32	0.37	0.5	135	105	50										
ILM12	40 x 40	0.75	1.0	240	215	185	130									
ILM22A	50 x 50	1.5	2.0		400	360	315	250								
ILM32A	65 x 65	2.2	3.0			575	515	440	340							
ILM52A	80 x 80	3.7	5.0					875	800	720	550					
ILM7.52A	100 x 100	5.5	7.5			1300	1260	1200	1110	1000	850					
ILM10.2A	100 x 100	7.5	10.0					1400	1320	1250	1180	1090	1000	900		

Notes :-

1. The above performance is subjected to tolerances as per applicable standards.
2. Pipe sizes mentioned in mm are nearest conversion of inches, but actual pipe threadings are provided as per 'BSP' standard
3. Total Head = Static Suction + Static Delivery + Losses in pipes, bends etc.

Applications :

Closed Loop Water Circuits



Air Conditioning Plant



Industrial Water Supply



Cold Storage Plant



Cooling Towers



Sprinkler System

