

Since 1960

# MAHENDRA<sup>®</sup> PUMPS

Performance. Value. Trust

Engineered to Deliver.  
Acknowledged for Quality.



### Applications:

- Apartments and Villas
- Cottages and Hotels
- Commercial Buildings
- Industrial Canteens
- Gardening

### Description:

The MPH & MVB Twin Booster Pumping system consist of two identical rating pumps connected in parallel operation with standard accessories and control panel. The diaphragm tank must be included during installation.

### System Operation:

The system operates automatically according to the demand of flow by means of two mechanical pressure switches.

**Mahendra**

## TWIN BOOSTER MPH & MVB Series



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### Function:

- The delivery line should be a closed loop with a set cut-out pressure.
- When any one tap/valve is open, water drawn from diaphragm tank.
- The 1st pump will start run due to the drop of pressure from cut-in limit.
- If the consumption is more than the 2nd cut-in pressure limit, the second pump starts.
- When the utility level drops below the cut-out pressure, one pump will stop. If utility level drops further, the second pump also start.

### Controls:

- Automatic pump cascade by the cyclic timer (0-33 Hrs)
- Automatic pump changeover at any fault tripping on duty.

### Protection:

- Single phasing & phase sequence protection through - SPP (Only For 3 Phase)
- Short circuit protection through MCB / MPCB
- Over load protection through OLR / MPCB
- Dry running protection through float switch
- Over flow protection through pressure switch

### Product Specifications:

Motor	: Mahendra TEFC Sq.Cage Motor
Speed	: 2900 Rpm
Class of insulation / encloser	: F / IP 54
Voltage	: 220 - 240 V or 380 - 415 V, AC, 50 Hz.
Rating	: Upto 1.5 Kw DOL
Pump Type	: Non self priming horizontal & vertical multi stage centrifugal pump
Manifolds	: SS 304
Pipe Connection	: Suction / Delivery 2" Bsp

### Operating Conditions:

Flow	: Maximum 8 m3/h
Head	: Max. 75 Metres
Liquid temperature	: 0- 90° C
Maximum ambient temp.	: 55° C
Max. operating pressure	: 10 Bar
Min. inlet pressure	: 1 Bar

### Product data

Segment	Model	Pump Spec. m3/h @ M	System Model	Max. System Capacity	P1/kw	Ip Amps	Eta %
Booster systems (Twin)	MPH2 -40	2 @ 29	MPH Twin 2 X 2-4	4 m3/h @ 45 m	0.57	2.6	31
	MPH2 -50	2 @ 36	MPH Twin 2 X 2-5		0.68	3.2	31
	MPH2 -60	2 @ 44	MPH Twin 2 X 2-6		0.81	3.7	31
	MPH4 -40	4 @ 24	MPH Twin 2 X 4-4	8 m3/h @ 40 m	1.02	4.3	32
	MPH4 -50	4 @ 33	MPH Twin 2 X 4-5		1.22	5.4	32
	MPH4 -60	4 @ 37	MPH Twin 2 X 4-6		1.45	6.2	32
	MVB 2-8	2 @ 50	MVB Twin 2 x2-8	4 m3/h @ 60 m	1.00	4.78	28.6
	MVB 2-10	2 @ 61	MVB Twin 2 x2-10		1.2	5.57	28.6



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