

Since 1960

MAHENDRA[®]
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



Mahendra

TWIN BOOSTER MPH & MVB Series

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 / enclosure	: 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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