



Smart solutions.  
Strong relationships.

## 'CMB' SERIES

### SELF PRIMING MONOSET PUMP



Crompton Greaves Self Priming Monoset Pumps- 'CMB' series are heavy duty type and are designed specially to meet requirements of different needs such as Residential Bungalows, Gardens, Small Farms, Booster application. These pumps have a high suction lift and are best suited for a total head of 15 to 18 mtrs. (upto 2 steories)

#### Features

- Robust and sturdy design
- Self Priming upto 8.0 metres at mean sea level
- Pump castings(Chamber, Casing, End Cover), Adaptor, Stator body, End shield are made of close grained cast iron of high tensile strength and has a very smooth surface finish resulting in low frictional losses
- High tensile brass Impeller is used to give trouble free service
- High quality and long life mechanical seal
- Stainless steel shaft with ground finish
- Pressure diecast rotor with TEFC enclosure for motors
- Unique Motor design-Capacitor start and run (PSC) type eliminating centrifugal switch
- Grease lubricated anti-friction ball bearings are fixed at both ends to withstand axial and radial loads
- All components are manufactured from material as per standard specifications

#### Applications

- Used for Water Supply to : Residential Bungalows, Flats, Hotels, Clubs, Garages, Dairies, Laundries, Hospitals, etc
- Gardening and Small Plants.
- Lawn Sprinklers
- Booster applications.
- Small Farms

#### Standard Specifications

- **Range** : 0.37 / 0.75 kW (0.5 / 1.0 HP)
- **Pipe size** : 25 x 25 mm
- **Speed** : 1500 RPM (Syn.)
- **Total Head** : Upto 39 metres
- **Capacity** : Upto 4920 LPH
- **Liquid** : clear water
- **Rotation** : Clockwise as viewed from motor end
- **Motor** : TEFC with class 'B' insulation suitable for 1 Phase, 225V, 50 Hz, AC supply, suitable for ambient temperature upto 50°C
- **Voltage Band** : 180 to 240 volts

#### Performance at rated voltage & 50 Hz. Single Phase / 3 Phase AC power supply

Rating	Motor kW (HP)		Pipe Size Suc. X Del. (mm)	Total Head in Metres											
				6	9	12	15	18	21	24	27	30	33	36	39
				Discharge in LPH											
CMB05N	0.37	(0.5)	25 x 25	3240	2910	2610	2280	1950	1650	1320					
CMB05NV	0.37	(0.5)	25 x 25	3240	2910	2610	2280	1950	1650	1320					
CMB10N	0.75	(1.0)	25 x 25	4920	4575	4250	3900	3550	3200	2900	2550	2200	1900	1550	1200
CMB10NV	0.75	(1.0)	25 x 25	4920	4575	4250	3900	3550	3200	2900	2550	2200	1900	1550	1200

#### Notes:-

1. Pipe sizes mentioned in mm are nearest conversion of inches, but actual pipe threadings are provided as per 'BSP' Standards
2. Total head = Static Suction + Static Delivery + Losses in pipes, bends etc.
3. The self priming time depends upon static suction, installation conditions and the duration of use of the pump.
4. Performance figure given above are approximate and may differ on site conditions.

### Crompton Greaves Limited

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