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MINI SERIES SELF PRIMING MONOSET PUMP



Crompton Greaves Self Priming Pumps 'MINI MASTER', 'MINI STAR' AND 'MINI MARVEL' Series - are specially designed and developed to meet water requirements of various needs such as Residential Bungalows, Small farms etc. These pumps have 8mtrs. suction lift and are best suited for a total head of 18 mtrs. (1 / 2 storeys) for 0.5 HP, 27 mtrs. (1 to 4 storeys) for 1 HP and 36 mtrs. for 1.5 HP.

FEATURES

- Self Priming upto 6.0 metres at mean sea level.
- Unique motor design- capacitor start and run (PSC) type eliminating centrifugal switch.
- Aluminium pressure die cast motor body.
- Brass Impeller.
- High quality and long life mechanical seal.
- Fitted with Thermal Overload Protector.
- Compact, Sleek look.

APPLICATIONS

- Used for water supply to Residential Bungalows, Garages, Flats, Dairies, Hotels, Laundries, Clubs Hospitals, etc.
- Gardening and small plants.
- Lawn sprinklers.
- Booster applications.
- Small farms.

STANDARD SPECIFICATIONS

- **Range :** 0.094 to 1.1 kW (0.125 to 1.5 HP)
- **Pipe Size :** 13 x 13 to 25 x 25mm
- **Total Head :** 3 to 54 metres.
- **Capacity :** Upto 5200 LPH
- **Liquid :** Clear water
- **Operating temperature :** Suitable for 65° C water.
- **Rotation :** Clockwise when viewed from motor end.
- **Voltage Band :** 180 to 240 volts for single phase & 350 to 440 volts for three phase

ELECTRIC MOTOR

- TEFC, 2 pole (3000 RPM Syn. Speed) Electric Motor for Single/ Three Phase, 50 Hz AC Supply, suitable for ambient temperature upto 50°C

Performance Chart for MINI Series Pumpset at 230 volts, 50 Hz AC Supply

RATING	kW (HP)	Pipe Size Suc.x Del (mm)	Total Head in Metres																					
			3	6	9	12	15	16.5	18	19.5	21	24	25.5	27	28.5	30	33	36	39	42	45	48	51	54
			Discharge in LPH																					
MINIMASTER IV	0.094 (0.125)	13 x 13	1650	1370	1090	810	525																	
MINIMASTER III	0.18 (0.25)	20 x 20	1950	1720	1490	1260	1040	920	810	700														
MINISTAR III	0.18 (0.25)	20 x 20	1860	1610	1360	1110	860	740	600															
MINIMASTER II	0.37 (0.5)	25 x 25		2600	2350	2100	1860	1730	1610	1480	1350	1100	1000	850	730	600								
MINIMASTER II (3PH)	0.37 (0.5)	25 x 25		2600	2350	2100	1860	1730	1610	1480	1350	1100	1000	850	730	600								
MINISTAR II	0.37 (0.5)	25 x 25		2400	2120	1860	1590	1460	1320	1200	1060	800	660	530	400									
MINIMARVELII	0.37 (0.5)	25 x 25		2000	1730	1460	1200	1060	930	800	660	400												
MINI WIN II	0.37 (0.5)	25 x 25		2600	2220	1910	1800	1710	1570	1450	1370	1150	910	840	570									
MINIMASTER I	0.75 (1.0)	25 x 25		4000	3780	3560	3340	3230	3120	3010	2900	2690	2580	2470	2360	2250	2030	1810	1590	1370	1150	950		
MINIMASTER I (3PH)	0.75 (1.0)	25 x 25		4000	3780	3560	3340	3230	3120	3010	2900	2690	2580	2470	2360	2250	2030	1810	1590	1370	1150	950		
MINISTAR I	0.75 (1.0)	25 x 25		3350	3150	2950	2750	2650	2550	2450	2350	2150	2050	1940	1850	1750	1550	1350	1150	950	750			
MINIMARVEL I	0.75 (1.0)	25 x 25		3000	2800	2600	2400		2200		2000	1800	1700	1600	1500	1400	1200	1000	750					
MINI XTRAA	1.1 (1.5)	25 x 25										5200	5000	4850	4700	4500	4170	3820	3500	3150	2800	2480	2120	1800

Notes : 1. Approximate performance at rated voltage, 50Hz 1 phase/3 phase AC power supply 2. Pipe sizes mentioned in mm are nearest conversion of inches, but actual pipe threadings are provided as per 'BSP' Standards. 3. Total Head = Static Suction + Static Delivery + Losses in pipes, bends etc. 4. The self priming time depends upon static suction, installation conditions and the duration of use of the pump. 5. Performance figure given above are approximate and may differ on site conditions.

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