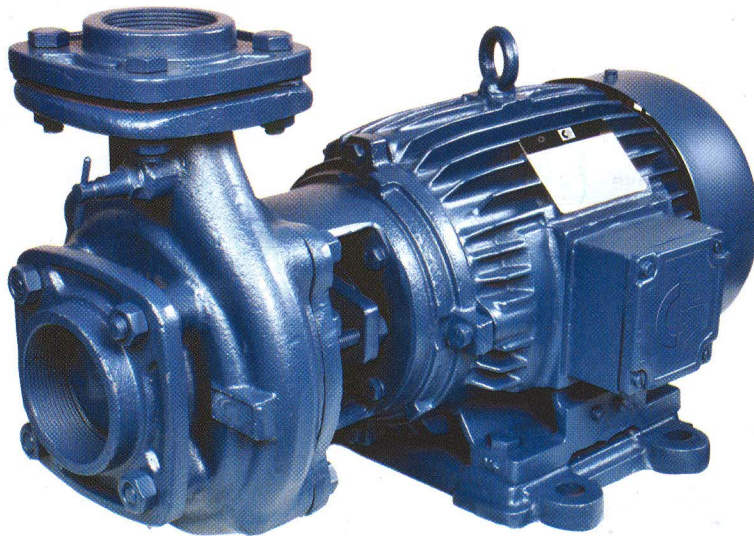




Smart solutions.  
Strong relationships.

## **CENTRIFUGAL MONOSET PUMPS**

### **MI Series**



*Authorised Distributors*



***SC Industrial Syndicate***

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## CENTRIFUGAL MONOSET PUMPS MI Series

Crompton Greaves Centrifugal Monoset Pumps - MI Series are designed and manufactured for optimum efficiency to cater to different needs of water handling. The pump range is suitable for a wide range of applications in Commercial and Industrial areas.



### Features

- Monoset construction.
- Wide range to suit a variety of requirements.
- High efficiency, less power consumption.
- Pumps with stainless steel sleeve for less shaft wear.
- Trouble free operations with low maintenance.
- Compact size, less space.
- Robust design suitable for adverse conditions.
- Sealing - Gland packing or mechanical seal

### Applications

- Water circulation in Cooling Towers
- Office & Shopping Cooling Systems
- Construction sites.
- Hotels, dairies, hospitals.
- Industries.

### Standard Specifications :

- Range : 1.5 kW to 22 kW (2.0 HP to 30.0 HP).
- Supply : 415 V  $\pm$ 10%, 50 Hz, 3 phase
- Pipe size : 50 x 40 mm to 100 x 100 mm.
- Liquid Temperature : Suitable upto 90°C water.
- Total head : Upto 69 metres.

- Capacity : Upto 2140 LPM.
- Liquid : Clear Water.
- Rotation : Clockwise as viewed from motor end.

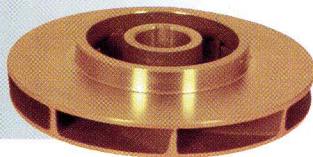
### Electric Motor

- TEFC, SCR, 2 Pole (3000 RPM Syn. Speed). Electric Motor for 415 V  $\pm$ 10%, 50Hz, 3 phase, AC supply. With class 'F' Insulation and temperature rise restricted to class 'B' with IP55 Protection
- Special motors with different enclosures, supply voltage, frequency and ambient temperature can be offered on request.

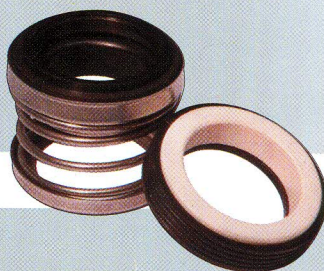
### Material of Construction

	Impeller	Volute	Shaft	Mechanical Seal	Gland Packing
A	Bronze	CI (Inside Epoxy Coated)	40C8	x	Graphited Cotton
B	CI	CI (Inside Epoxy Coated)	SS	Carbon / Ceramic	x
C	Bronze	CI (Inside Epoxy Coated)	SS	Carbon / Ceramic	x
D	SS	CI (Inside Epoxy Coated)	SS	Carbon / Ceramic	x

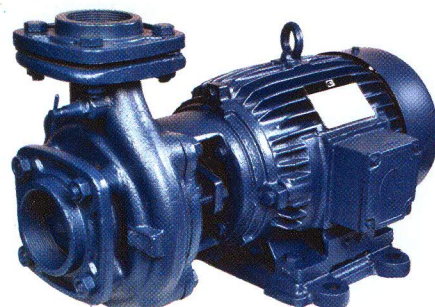
Bronze Impeller



Mechanical Seal



Stainless Steel Impeller





## Single Stage Pumps

Rating		Motor		Pipe Size Suc.xDel. (mm)	Total Head In Metres																						
		HP	kW		6	9	12	15	18	21	24	27	30	33	36	39	42	45	48	51	54	57	60	63	66	68	69
					Discharge In LPM																						
MIK22	A/B/C/D	2.0	1.5	50 x 40			405	335	200																		
MIK32	A/B/C/D	3.0	2.2	50 x 40				450	425	375	285	150															
MIKS32	A/B/C	3.0	2.2	50 x 40							250	230	205	170	110												
MIN32	A/B/C/D	3.0	2.2	65 x 50				525	450	375	275																
MIK52	A/B/C/D	5.0	3.7	50 x 40							455	415	375	330	280	200											
MIKS52	A/B/C	5.0	3.7	50 x 40										260	240	215	190	160	120								
MINH52	A/B/C/D	5.0	3.7	65 x 50				825	755	665	545	410	250														
MIP52	A/B/C/D	5.0	3.7	80 x 65				850	775	620	450																
MIQ52	A/B/C/D	5.0	3.7	80 x 80	1500	1390	1275	1140	980	700																	
MIS52	A/B/C/D	5.0	3.7	100 x 100	1850	1700	1460	1040																			
MIK7.52	A/B/C/D	7.5	5.5	50 x 40										450	420	395	365	335	300	260	200						
MIN7.52	A/B/C/D	7.5	5.5	65 x 50							780	725	650	550	400												
MIP 7.52	A/B/C/D	7.5	5.5	80 x 65						1080	970	825															
MIS 7.52	A/B/C/D	7.5	5.5	100 x 100			1680	1540	1370	1170	840																
MINH 10.2	A/B/C/D	10.0	7.5	65 x 50												550	520	480	430	370	300						
MIP 10.2	A/B/C/D	10.0	7.5	80 x 65						1150	1075	980	880	750	550												
MIS 10.2	A/B/C/D	10.0	7.5	100 x 100				1850	1740	1600	1450	900															
MIS12.52	A/B/C/D	12.5	9.3	100 x 100					2030	1900	1770	1600	1320	750													
MIP 15.2	A/B/C/D	15.0	11	80 x 65						1480	1420	1360	1290	1220	1140	1050	950	840	700								
MIPH15.2	A/B/C/D	15.0	11	100 x 80								1240	1230	1205	1165	1090	1010	920	770	500							
MIR 15.2	A/B/C/D	15.0	11	100 x 80						1875	1750	1615	1460	1235	1000												
MIS15.2	A/B/C/D	15.0	11	100 x 100					2140	2040	1930	1820	1660	1445	1150												
MIR20.2	A/B/C/D	20.0	15	100 x 80								2000	1900	1770	1600	1400	1100										
MIRH20.2	A/B/C/D	20.0	15	100 x 80								2000	1900	1780	1650	1500	1350	1170									
MIR25.2	A/B/C/D	25.0	18.5	100 x 80													1500	1400	1260	1080	800						
MIR30.2	A/B/C/D	30.0	22	100 x 80													1700	1640	1560	1460	1310	1140	900	640	400		

- KEY :**
- MI stands for MONOBLOC INDUSTRIAL Series
  - ALL MOTORS ARE IP55, CLASS F, SUBJECT TO TEMPERATURE RISE OF CLASS B, AMBIENT 50°C
  - A = BRONZE IMPELLER+GLAND PACK+ EN8 SHAFT
  - B = CAST IRON IMPELLER + MECHANICAL SEAL + STAINLESS STEEL SHAFT
  - C = BRONZE IMPELLER + MECHANICAL SEAL + STAINLESS STEEL SHAFT
  - D = STAINLESS STEEL IMPELLER + MECHANICAL SEAL + STAINLESS STEEL SHAFT
  - Third letter of P/Set Ref. indicates Pipe Size ie Suction x Delivery in mm, K = 50x40, N = 65x50, P = 80x65, Q = 80x80, R = 100x80, S = 100x100
  - First numeral in the rating reference denotes the HP of motor and second numeral denotes the polarity.