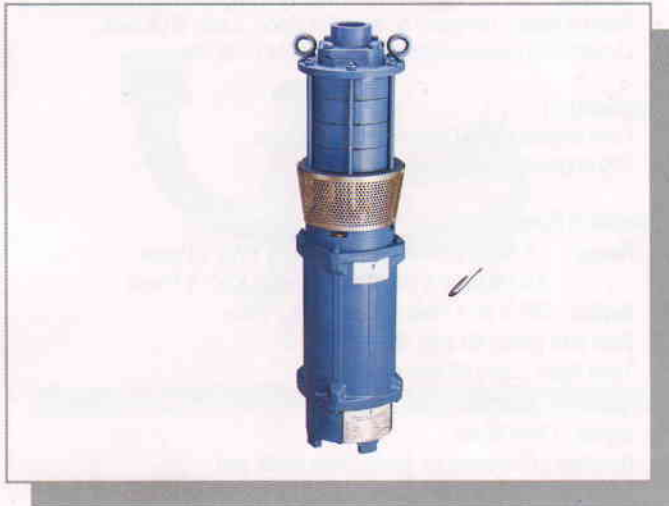


VERTICAL OPENWELL SUBMERSIBLE MONOSET PUMPS (3 PHASE)



Features :

- Easy Maintenance.
- Wide Voltage Range- 250-415 Volts.
- Robust Construction.

Application :

- Farm Irrigation
- Drip Irrigation.
- Drinking Water Supplies.
- Sprinkler Irrigation.

Standard Specifications :

- **Range :** 3.0 HP to 10.0 HP (2.2 KW to 7.5 KW)
- **Supply :** 415 V for 3 Phase
- **Pipe size (mm):** 50 x 50, 65 x 65
- **Total head :** Upto 114 Metres.
- **Capacity :** Upto 700 LPM.
- **Liquid :** Clear Water.
- **Rotation :** Clockwise as viewed from motor end.

Electric Motor :

- Thrust Bearing: Stainless Steel
- Motor Body: Cast Iron
- Bush: Bronze
- Motor Shaft: Stainless Steel

PERFORMANCE CHART FOR CGVOS SERIES - VERTICAL OPENWELL SUBMERSIBLE PUMPSETS (3 PHASE)

Rating	No. of Stages	Motor		Outlet Size in MM	Discharge in LPM								
		KW	HP		125	170	210	250	300	340	400	450	520
					Head in Meters								
CGVOS2T25-3	2	2.20	3.00	50	38	37	36	35	32	29	26	21	15
CGVOS3T25-5	3	3.70	5.00	50	57	56	55	52	48	44	38	32	22
CGVOS4T25-7.5	4	5.50	7.50	50	76	75	73	69	64	58	51	42	29
CGVOS5T25-10	5	7.50	10.00	50	95	93	91	87	80	73	64	53	37
CGVOS6T25-10	6	7.50	10.00	50	114	112	109	104	96	87	77	63	44

Rating	No. of Stages	Motor		Outlet Size in MM	Discharge in LPM								
		KW	HP		200	250	290	340	420	480	550	600	700
					Head in Meters								
CGVOS2T30-5	2	3.70	5.00	65	43	42	41	39	36	33	30	26	19
CGVOS3T30-7.5	3	5.50	7.50	65	64	63	61	58	54	50	44	38	28
CGVOS4T30-10	4	7.50	10.00	65	86	84	81	77	73	66	59	51	37

Note : Performance figure given above are approximate and may differ on site conditions.



CENTRIFUGAL MONOSET PUMPS (3 PHASE)



Electric Motor :

- TEFC, SCR, 2 or 4 Pole (3000 or 1500 RPM Syn. Speed). Electric Motor for 415V, 50Hz, 3 phase AC supply.

Features :

- Monoset Construction.
- Wide Voltage Band.
- High Efficiency - Less Power Consumption.
- Stainless Steel Sleeve - Less Shaft Wear.
- Trouble Free Operations - Low Maintenance.
- Compact Size - Less Space.
- Robust Design Suitable for Adverse Conditions.
- Sealing - Gland Packing

Applications :

- Irrigation
- Lift Irrigation
- Hotels, Dairies, Hospitals
- Ornamental Fountains
- Sprinkler And Drip Irrigation
- Construction Sites
- Gardens, Small Farms
- Industries

Standard Specifications :

- **Range** : 0.75 KW to 22.0 KW (1.0HP to 30.0 HP).
- **Supply** : 415 V, 50Hz, 3 phase AC
- **Pipe size** : 40 x 32 mm to 150 x 150 mm.
- **Total head** : Upto 75 Metres.
- **Capacity** : Upto 4246 LPM.
- **Liquid** : Clear Water.
- **Rotation** : Clockwise as viewed from motor end.

PERFORMANCE CHART FOR MB SERIES - CENTRIFUGAL MONOSET PUMPSETS (3 PHASE)

Rating	Motor		Outlet Size in MM	ISI Marking	Head in Meters											
	KW	HP			6	9	12	15	18	21	24	27	30	33	36	
MBG12 (3PHASE)	0.75	1.00	40X32			175	165	150	130	100	85 at 22.5 metres					
MBJL12	0.75	1.00	40X40			300	250	200	165 at 16.5 metres							
MBML12(3PH)	0.75	1.00	50X40		400	340	225									
MBG1.52	1.10	1.50	40X32	Yes				175	160	140	115	80	50 at 28.5 metres			
MBK22	1.50	2.00	50X40			430	405	335	200							
MBKH22	1.50	2.00	50X40	Yes					190	170	145	110				
MBN22	1.50	2.00	65X50				500	470	390	275						
MBK32/MBK32LF	2.20	3.00	50X40	Yes				450	425	375	285	150				
MBKS32	2.20	3.00	50x40	Yes							250	230	205	170		
MBNL32FS	2.20	3.00	65X50				725	580	410	300 at 19.5 metres						
MBN32#/MBN32LF	2.20	3.00	65X50					525	450	375	275	165 at 25.5 metres				
MBP32FS	2.20	3.00	80X65		1100	990	800	470								
MBQ32#	2.20	3.00	80X80		1130	1020	810	500								
MBNH52FS	3.70	5.00	65X50	Yes				825	755	665	545	410	250			
MBP52FS	3.70	5.00	80X65	Yes				850	775	620	450					
MBQ52	3.70	5.00	80X80		1500	1390	1275	1140	980	700						
MBS52	3.70	5.00	100X100		1850	1700	1460	1040								
MBP7.52FS	5.50	7.50	80X65	Yes						1080	970	825	650			
MBS7.52	5.50	7.50	100X100	Yes			1680	1540	1370	1170	840					
MBR10.2	7.50	10.00	100X80	Yes							1400	1200	980	700		
MBS10.2	7.50	10.00	100X100	Yes				1850	1740	1600	1450	1250	900			
MBS12.52	9.30	12.50	100X100						2030	1900	1770	1600	1320	750		
MBS15.2	11.00	15.00	100X100						2140	2040	1930	1820	1660	1445		
MBW10	7.50	10.00	150X150		4246	3550	2500	2020 at 13 metres								

CENTRIFUGAL MONOSET PUMPS (1 PHASE)



Features :

- Monoset Construction with High Quality Mechanical Seal.
- Totally Enclosed Fan Cooled Motor For Better Safety.
- Unique Motor Design with Capacitor Start & Run - Eliminating Centrifugal Switch.

Standard Specifications :

- **Range** : 0.37 KW to 1.5KW (0.5 to 2.0 HP).
- **Supply** : 225 Volts, 50 Hz, 1 Phase AC
- **Pipe size** : 25 x 25 mm to 80 x 80 mm.
- **Total head** : Upto 33 Metres.
- **Capacity** : Upto 930 LPM.
- **Liquid** : Clear water.
- **Rotation** : Clockwise as viewed from motor end.

Applications :

- Bungalows, Buildings, Flats,
- Hotels, Garages, Laundries
- Car Washing & Booster Application.
- Small Farms & Lawn Sprinklers.
- Auxiliary Equipment For Machinery.
- Ornamental Fountains.

PERFORMANCE CHART FOR CENTRIFUGAL MONOSET PUMPSETS (1 PHASE)

Rating	Motor		Outlet Size in MM	Head in Meters								
				5	7	9	11	13	15	17	20	22
	KW	HP		Discharge in LPM								
MAD052 /MAD052-VX	0.37	0.50	25X25				120	115	110	80	45	20
MADL052	0.37	0.50	25X25		110	90	70	50	40			
MAJ052/MAJ052LV	0.37	0.50	40X40		275	240	155	80				
MAM12/MAM12LV	0.75	1.00	50X50		400	380	280	200				
MAQ12/MAQ12 LV	0.75	1.00	80X80	775	510	367						
MAN1.52 /MAN1.52LV / MAN1.52(l)	1.10	1.50	65X50		550	530	470	400	380			

Rating	Motor		Outlet Size in MM	ISI Marking	Head in Meters								
					6	9	12	15	18	21	24	27	30
	KW	HP			Discharge in LPM								
MBD052-VX	0.37	0.50	25X25		110	95	75	25					
MBE052	0.37	0.50	32X25	Yes		80	65	50	35	25 at 19 metres			
MBJ052LVSF(1PH) / MBJ052SF(1PH)	0.37	0.50	40X40		210	190	140	80 at 14 metres					
MBD12	0.75	1.00	25X25	Yes						90	70	30	
MBD12-VX	0.75	1.00	25X25							100	85	70	30
MBDL12A(1PH)	0.75	1.00	25X25	Yes			82	81.5	81	80.5	79	71	45
MBE12 (1PH)	0.75	1.00	32X25	Yes					90	85	70	30	
MBG12	0.75	1.00	40X32	Yes		175	165	150	130	100	85 at 22 metres		
MBJ12(1PH)	0.75	1.00	40X40			175	165	150	130	100	85 at 22 metres		
MBJL12/MBJL12(1PH)	0.75	1.00	40X40			300	250	200	165 at 16 metres				
MBK12 (1PH)	0.75	1.00	50X40			380	300	200					
MBM12 (1 PH)	0.75	1.00	50X50	Yes		300	250	160					
MBML12 (1PH)	0.75	1.00	50X50	Yes	400	340	225						
MBM22(1PH) / MBM22(l)	1.50	2.00	50X50	Yes			550	500	400	300			
MBN22(1PH) / MBN22(l)	1.50	2.00	65X50				550	500	400	300			

Note :1. MA - Aluminium extruded motor body, MB - Cast iron motor body

CENTRIFUGAL MONOSET PUMPS COMMERCIAL / FIRE FIGHTING (3 PHASE)



Features :

- Wide Range to Suit a Variety of Requirements.
- High Efficiency - Less Power Consumption.
- Trouble Free Operations - Low Maintenance.
- Compact Size - Less Space.
- Sealing - Mechanical Seal for MI Series, Gland Packing for FF Series.

Standard Specifications :

- **Range** : 1.5KW to 22KW (2.0HP to 30.0HP).
- **Supply** : 415V+6% , -15%, 50Hz, 3 Phase
- **Pipe size** : 50x40 mm to 100x100 mm.
- **Total head** : Upto 69 Metres.
- **Capacity** : Upto 2140 LPM.
- **Liquid** : Clear Water.
- **Rotation** : Clockwise as viewed from motor end.

Electric Motor :

- TEFC, SCR, 2Pole (3000RPM Syn. Speed). Electric Motor for 415V+6% , -15%, 50Hz, 3phase, AC supply. With class 'F' Insulation and temperature rise restricted to class 'B' with IP55 Protection.

Applications :

- Cooling Towers.
- Office & Shopping Mall Cooling Systems
- Construction Sites, Hotels, Dairies, Hospitals & Industries.

Material of Construction :

	Impeller	Volute	Shaft	Mechanical Seal	Gland Packing
B	CI	CI	SS	Carbon / Ceramic	x
C	Bronze	CI	SS	Carbon / Ceramic	x
D	SS	CI	SS	Carbon / Ceramic	x

PERFORMANCE CHART FOR MI-FF SERIES - CENTRIFUGAL MONOSET PUMPSSETS (3 PHASE)

Rating	Motor		Outlet Size in MM	Head in Meters														
				6	9	12	15	18	21	24	27	30	33	36	39	42	45	
	KW	HP		Discharge in LPM														
MIN32FF	2.20	3.00	65 X 50			525	450	400	330	250	160 at 26 Metres							
MIP32FF	2.20	3.00	80 X 65	1050	990	900	650	450										
MIP52FF	3.70	5.00	80 X 65				900	820	720	600	450							
MIP7.52FF	2.20	3.00	80 X 65						1100	1060	980	900	650					
MIR20.2F	15.00	20.00	100 X 80									2000	1900	1770	1600	1400	1100	

Note : Performance figure given above are approximate and may differ on site conditions.



DEWATERING PUMPS



Features

- Self Priming upto 8.0 Meters at Mean Sea Level.
- Construction - Bare Pump/ Monoset/ Motor Coupled
- Shaft Sealing - Gland Packing / Mechanical Seal
- Totally Enclosed Fan Cooled Motor Suitable for Wide Voltage
- Non-clog Type Impeller - To Handle Liquid with Solid Particles
- Easy Maintenance With Interchangeable Parts

Applications

Industrial

- Ash water in Thermal Power Plants
- Waste liquid in Marble factories
- Transfer of Treated / Raw water
- Effluent Treatment Plants

Residential

- Civil Construction Sites
- Swimming Pool Filtration
- Dewatering of Basement Water & Trenches

Marine

- Pumping Water From Docks, Ports, Vessels

PERFORMANCE CHART FOR DW SERIES - DEWATERING COUPLED PUMP

Rating	Suc. X Del. Size MM	KW	HP	RPM	Solid Handling size MM	Head in Meters														
						6	9	12	15	18	20	21	24	26	27	28				
						Discharge in LPM														
DWJ12(1PH)/ DWJ 12#@	40 X 40	0.75	1.0	2820	7.0	270	230	170	60											
DWJ 22#@	40 X 40	1.5	2.0	2830	8.5		375	320	260	175	80									
DWM32#@	50 X 50	2.2	3.0	2830	10.5		575	530	470	400	330	290	160	50						
DWQ5#@	80 X 80	3.7	5.0	1430	15.5		1125	990	750	380										
DWS10@	100 X 100	7.5	10.0	1455	18.5			1960	1730	1465	1280	1165	775	402						
DWS12.5@	100 X 100	9.3	12.5	1460	23.0			2340	2060	1770	1570	1475	1115	805	480	340				
DWV20@	150 X 150	15	20.0	1460	34.0			3790	3440	2930	2530	2310	1420							
DWV25@	150 X 150	18.7	25.0	1475	40.0			4310	3955	3500	3100	2910	2020	1180						

Rating	Suc. X Del. Size MM	KW	HP	RPM	Solid Handling size MM	Head in Meters														
						20	21	24	26	28	30	31	32	34	35	36				
						Discharge in LPM														
DWQ52@	80 X 80	3.7	5.0	2840	7.0	575	555	480	430	390	340	305	295	220	150	125				
DWQ7.52@	80 X 80	5.5	7.5	2865	14.5	925	910	865	810	715	600	500	460	305	220	190				

Note : 1. # Also available in flame proof motor, @ - Also available in bare shaft pump

PERFORMANCE CHART FOR DW SERIES - DEWATERING MONOBLOC PUMP

Rating	Suc. X Del. Size MM	KW	HP	RPM	Solid Handling size MM	Head in Meters														
						9	10	12	15	16	18	19	21	22	24	25				
						Discharge in LPM														
DWMJ12 / DWMJ12(1PH)★	40 X 40	0.75	1.0	2820	7.0		295	260	145											
DWMJ 22★	40 X 40	1.5	2.0	2830	8.5			410	310	255	210	145								
DWMM32★	50 X 50	2.2	3.0	2830	10.5			560	510	470	425	370	305	235	155	80				
DWMQ5	80 X 80	3.7	5.0	1430	15.5	1125	1060	985	800	685	550	400								

Rating	Suc. X Del. Size MM	KW	HP	RPM	Solid Handling size MM	Head in Meters														
						21	22	24	25	27	28	30	31	33	34	36				
						Discharge in LPM														
DWMQ52	80 X 80	3.7	5.0	2840	7.0	550	515	480	450	415	380	340	305	260	205	125				
DWMQ7.52	80 X 80	5.5	7.5	2865	14.5	910	890	865	820	760	685	600	520	425	325	190				

Note : 1. ★ Also available in mechanical seal.

VERTICAL IN-LINE PUMPS (3 PHASE)



Electric Motor :

- **Voltage** : 415V
- **Phase** : 3 phase, 50 Hz, AC
- **Protection** : IP55
- **Class of Insulation** : 'F' Class subject to Class "B" Temperature rise
- **RPM** : 3000 (SYN)
- **Voltage Band** : 350-440 V

Features :

- Vertical In-line Design - Minimum Space Requirement, Easy Installation.
- Back Pull-out Design.
- Flange Mounted Motor - Easy Maintenance.
- Volute & Adaptor - Fitted With Bronze Wear Ring.
- High Quality & Long Life Mechanical Seal.
- Suitable upto 65°C water with Standard Mechanical Seal & 110°C Water with Special Mechanical Seal.
- Rust-free Bronze Impeller.

Standard Specifications :

- **Range** : 0.37 kW to 7.5 kW (0.5 HP to 10.0 HP)
- **Supply** : 415V, 3 Phase, 50Hz, AC.
- **Pipe size** : 32 x 32 mm to 100 x 100 mm.
- **Total head** : Upto 30 Metres.
- **Capacity** : Upto 1400 LPM.
- **Liquid** : Clear water
- **Rotation** : Anti-clockwise as viewed from motor end

Applications :

- Open Loop & Closed Loop Water Circuits.
- Water Pressure Boosting for Industrial and Sprinkler Systems.
- Water circulation for Cooling Towers in Air Conditioning Plants and Cold Storage Plants.
- Water Supply & Circulation for Industrial & Commercial Establishments.
- Hot Water Handling Systems.
- Auxiliary Equipment for Water Circulation.
- Irrigation & Dewatering Systems.

PERFORMANCE CHART FOR ILM SERIES - VERTICAL IN-LINE PUMPS (3 PHASE)

Rating	Motor		Outlet Size in MM	Discharge in LPM													
				10	12	14	16	18	20	22	24	26	28	30			
	KW	HP		Head in Meters													
ILM052	0.37	0.50	32X32	135	105	50											
ILM12	0.75	1.00	40X40	240	215	185	130										
ILM22A	1.50	2.00	50X50		400	360	315	250									
ILM32A	2.20	3.00	65X65			575	515	440	340								
ILM52A	3.70	5.00	80X80					875	800	720	550						
ILM7.52A	5.50	7.50	100X100			1300	1260	1200	1110	1000	850						
ILM10.2A	7.50	10.00	100X100					1400	1320	1250	1180	1090	1000	900			

Note : Performance figure given above are approximate and may differ on site conditions.

