sabar

50 YEARS OF EXCELLENCE 1975 - 2025

Horizontal Openwell Submersible Pumpset

(50 Hz & 60 Hz)





ISO 9001 : 2015 COMPANY

MAKE IN INDIA

Sabar pumps well known for its quality, reliability and durability since 1975. Sabar horizontal openwell submersible pumpsets are manufactured under strict quality assurance for reliable operation. Following are some of the special features

SALIENT FEATURE

- Pumpsets are designed for wide voltage range.
- Can withstand wide voltage fluctuations.
- Vibration-free & Noiseless operation.
- Stator and rotor of the pumpset are vaccum impregnated with varnish and epoxy coated for corrosion resistance.
- Dynamically balanced rotating parts to ensure minimum vibrations during running.
- High operating efficiencies of pumpset resulting into high water discharge.
- The thrust bearing are carbon v/s SS for low wear & high efficiency.
- Water lubricated bushes.
- Maintenance free operation due to water lubricated bearings.
- Motor is water lubricated and fitted with good quality of oil seal.
- Can be easily dismantled & repaired.
- Designed for under water applications- No need of priming and foot valve.
- All pumpsets are fully tested before dispatch.

SPECIFICATION

Specification	3 Phase Pump - MHS Series	1 Phase Pump - SHS Series
Power Range	1.5 kW to 22.4 kW (2.0 HP to 30.0 HP)	0.37 kW to 2.2 kW (0.5 HP to 3.0 HP)
Speed	2880 rpm	2850 rpm
Version	As per customer request	As per customer request
Max. Discharge	195 m^3/hr (3250 LPM)	54 m^3/hr (900 LPM)
Max. Head	70 m (230 Feet)	30 m (98 Feet)
Degree of Protection	IP 58	IP 58
Direction of Rotation	Anti Clockwise	Anti Clockwise
Type of Duty	S1 (Continuous)	S1 (Continuous)
Max. Starts per Hour	6 Times	6 Times
Method of Starting	Direct Online / Start Delta	Permanent Split Capacitor
Lead out cable	Permanently connected and sealed PVC insulated 3 core flat cable / round cable	Permanently connected and sealed PVC insulated 3 core flat cable / round cable
Nominal Outlet Sizes	1.5", 2", 2.5", 3", 4" & 5"	1", 1.5", 2", 2.5" & 3"

APPLICATIONS



Sprinkler & Conventional Irrigation



Canal and River Belt Irrigation



Drinking Water Supply System



Utility / Water Transfer



Overhead Tank Filling



Industrial Water Supply

VISUALS OF OPENWELL PUMP FUNCTION



sabar
PUMPS • MOTORS • PIPES

HORIZONTAL OPENWELL SUBMERSIBLE PUMPSET (SINGLE & THREE PHASE

Standard Construction (Single Phase)

Standard Construction (Three Phase)

Stainless Steel 304 (Three Phase)







MATERIAL OF CONSTRUCTION (MOC)

Parts Name	3 Phase Pump			1 Phase Pump
	"MHS SERIES"	MHS "A" Series	MHS "B" Series	"SHS SERIES"
Volute Casing	Cast Iron	Stainless Steel-304	Stainless Steel-304	Cast Iron
Upper Housing	Cast Iron	Stainless Steel-304	Cast Iron	Cast Iron
Lower Housing	Cast Iron	Stainless Steel-304	Cast Iron	Cast Iron
Motor Body	Cast Iron / Stainless Steel Shell	Stainless Steel-304	Stainless Steel-304	Stainless Steel Shell
Impeller	Cast Iron	Stainless Steel-304	Stainless Steel-304	Noryl / Cast Iron
Shaft	Mild Steel	Stainless Steel	Stainless Steel	Stainless Steel
Thrust Bearing	Fiber Vs Bronze / Stainless Steel Vs Carbon	Fiber Vs Bronze / Stainless Steel Vs Carbon	Fiber Vs Bronze / Stainless Steel Vs Carbon	Fiber Vs Bronze / Stainless Steel Vs Carbon
Hardware	Mild Steel	Stainless Steel-304	Stainless Steel-304	Mild Steel / Stainless Steel
Strainer	Stainless Steel+Cast Iron	Stainless Steel-304	Stainless Steel-304	PVC
Bearing Bush	LTB4 / 5	LTB4 / 5	LTB4 / 5	LTB4 / 5

PUMP LIQUID

All pumps are only suitable for pumping clean, cold, fresh, non-aggressive, non-explosive water without abrasives, solid particles or fibres. Clear cold water shall mean water having following characteristics.

Temperature	33°C (max.)
Permissible Amount Of Sand	25 grams / m^3 (max.)
Chlorine Ion Density	500 ppm (max.)
Allowable Solids	3000 ppm (max.)
Specific Gravity	1.004 (max.)
Hardness (Drinking Water)	300 (max.)
Viscosity	1.75 x 10 m^2 / sec (max.)
Turbidity	50 ppm silica scale (max.)
pH	6.5 to 8.5

SUITABLE FOR SINGLE PHASE PUMPSET

SR. NO.	PUMP TYPE	SIZE (MM)	HP	KW	FEET	24.6	32.8	41.0	49.2	57.4	65.6	73.9	82.0	90.2	98.4
					MTR.	7.5	10	12.5	15	17.5	20	22.5	25	27.5	30
1	MSHS-051	25 x 25	0.5	0.37	LPM		108	98	86	72	55	32			
2	EMSHS-101	25 x 25	1.0	0.75	LPM	135	128	122	115	105	90	75	60	45	28
3	SHS-1515	40 x 40	1.5	1.1	LPM				285	260	235	205	165	115	
4	SHS-15215	50 x 40	1.5	1.1	LPM				320	300	260	210	150		
5	SHS-152LH	50 x 50	1.5	1.1	LPM	510	460	370	260						
6	SHS-152HH	50 x 50	1.5	1.1	LPM		320	300	275	250	200	150			
7	SHS-202	50 x 50	2.0	1.5	LPM					320	300	275	240	200	
8	SHS-20252	65 x 50	2.0	1.5	LPM		515	410	315	200					
9	SHS-203	75 x 75	2.0	1.5	LPM	750	675	550	360						
10	SHS-302	50 x 50	3.0	2.2	LPM			520	500	455	390	330			
11	SHS-30252	65 x 50	3.0	2.2	LPM		625	595	525	470	410				
12	SHS-30252H	65 x 50	3.0	2.2	LPM				435	425	410	390	320	250	
13	SHS-3025	65 x 65	3.0	2.2	LPM		800	720	635	515					
14	SHS-30325	75 x 65	3.0	2.2	LPM	865	825	750	570						
15	SHS-303	75 x 75	3.0	2.2	LPM	900	860	780							

SUITABLE FOR THREE PHASE PUMPSET

SR. NO.	PUMP TYPE	SIZE (MM)	HP	KW	FEET	26.2	29.5	32.8	41	49.2	57.4	65.6	73.8	82	90.2	98.4	106.6	114.8	123	131.2	139.4	147.6	155.8	164	172.2	180.4	188.6	196.8	205	213.3	221.4	229.6
					MTRS.	7.5	9	10	12.5	15	17.5	20	22.5	25	27.5	30	32.5	35	37.5	40	42.5	45	47.5	50	52.5	55	57.5	60	62.5	65	67.5	70
1	BMHS 202	50 x 50	2	1.5	LPM						320	300	275	240	200																	
2	BMHS 20252	65 x 50	2	1.5	LPM			515	410	315	200																					
3	BMHS 203	75 x 75	2	1.5	LPM	750	710	675	550	360																						
4	MHS 30215	50 x 40	3	2.2	LPM						290	265	250	240	220	200																
5	MHS 302	50 x 50	3	2.2	LPM				520	500	455	390	330																			
6	MHS 30252	65 x 50	3	2.2	LPM			625	595	525	470	410																				
7	MHS 30252HH	65 x 50	3	2.2	LPM					435	425	410	390	320	250																	
8	MHS 3025	65 x 65	3	2.2	LPM		825	800	720	635	515																					
9	MHS 30325	75 x 65	3	2.2	LPM	925	875	845	750	570																						
10	MHS 50215	50 x 40	5	3.7	LPM													252	242	232	218	194	165	130								
11	MHS 50252	65 x 50	5	3.7	LPM							708	624	534	438	285																
12	MHS 50252 SH	65 x 50	5	3.7	LPM									515	495	470	440	406	348	280												
13	MHS 50252 HH	65 x 50	5	3.7	LPM									560	520	450	420	310														
14	MHS 5025	65 x 65	5	3.7	LPM						852	762	660	540	366																	
15	MHS 50325	75 x 65	5	3.7	LPM					930	870	780	620	500																		
16	MHS 503	75 x 75	5	3.7	LPM			1054	1020	970	920	795	535																			
17	MHS 504	100 x 100	5	3.7	LPM		1680	1590	1380	1170	912																					
18	MHS 65252	65 x 50	6.5	4.8	LPM									870	825	775	700	600	480	320												
19	MHS 65252 HH	65 x 50	6.5	4.8	LPM											580	550	520	480	430	375	300										
20	MHS 6525	65 x 65	6.5	4.8	LPM							950	900	800	700	550																
21	MHS 65325	75 x 65	6.5	4.8	LPM							975	925	825	730	575																
22	MHS 653	75 x 75	6.5	4.8	LPM					1100	1030	975	900	775																		
23	MHS 75215	50 x 40	7.5	5.5	LPM															335	328	318	310	300	290							
24	MHS 75252	65 x 50	7.5	5.5	LPM												650	615	570	475	350	275										
25	MHS 75252 HH	65 x 50	7.5	5.5	LPM															500	470	444	402	342								
26	MHS 75325	75 x 65	7.5	5.5	LPM								1075	1000	900	770	650	440														
27	MHS 753	75 x 75	7.5	5.5	LPM								1100	1025	925	800	650	480														
28	MHS 754	100 x 100	7.5	5.5	LPM				1530	1425	1305	1145	940	635																		
29	MHS 10215	50 x 40	10	7.5	LPM																	443	417	389	346	312	280					
30	MHS 10252	65 x 50	10	7.5	LPM													705	682	636	597	525	425									
31	MHS 10252 HH	65 x 50	10	7.5	LPM																510	490	462	432	390							
32	MHS 10325	75 x 65	10	7.5	LPM									1122	1019	906	790	660	450													
33	MHS 103	75 x 75	10	7.5	LPM								1220	1165	1070	970	860	765														
34	MHS 104	100 x 100	10	7.5	LPM					1700	1625	1525	1400	1250	1050																	
35	MHS 125252	65 x 50	12.5	9.3	LPM																	575	550	535	520	500	475	435	400	350		
36	MHS 1253	75 x 75	12.5	9.3	LPM											1180	1100	1030	950	850	730	600										
37	MHS 1254	100 x 100	12.5	9.3	LPM						1900	1850	1750	1620	1480	1250	930															
38	MHS 15252	65 x 50	15	11.2	LPM																			570	545	525	500	475	450	425	375	300
39	MHS 153	75 x 75	15	11.2	LPM												1300	1245	1185	1130	1040	975	875									
40	MHS 154	100 x 100	15	11.2	LPM							1925	1875	1810	1700	1570	1375	1060														
41	MHS 20-252	65 x 50	20	15	LPM																1260	1240	1220	1200	1180	1150	1060	960	825			
42	MHS 20-33	75 x 75	20	15	LPM															1550	1475	1375	1275	1175	1050	950	800					
43	MHS 20-44	100 x 100	20	15	LPM									2100	2000	1875	1750	1600	1450	1250	1000											
44	MHS 20-55	125 x 125	20	15	LPM				3150	2950	2700	2400	2050	1600	1250	750																
45	MHS 25-55	125 x 125	25	18.5	LPM						3200	3000	2750	2450	2150	1750	1400	850														
46	MHS 30-55	125 x 125	30	22.4	LPM									3250	3050	2800	2550	2300	1950	1500	950											

Since 1975

sabar

PUMPS • MOTORS • PIPES



For Selected Models Only

Since 1975

Sabar Hydrotech LLP

A-2, 3912, G.I.D.C. Estate, Phase IV, Behinfd
Cadmach, Vatva, Ahmedabad-382445 (India).

Tel : (+91 79) 25840213, 25840261 | Email : info@sabarexport.com

Web : www.sabarpumps.com | LLP Identification No.: AAI-7779

SCAN TO REACH WEBSITE

Follow us : @sabarpumps