

► Our technology. Your success.
Pumps ■ Valves ■ Service



MONOSUB R – Submersible open well monobloc pumpsets



Product

KSB, a leading manufacturer of Pumps, Valves and Systems offers its clients the latest pumping technology through a variety of pumpsets designed for the future.

KSB open well monobloc pumpsets “MONOSUB R” can be installed in the open wells and sumps. These pumpsets are made using sophisticated and advanced manufacturing processes to ensure top class performance of the pumps.

Applications

- Flood irrigation through Openwell & Dugwells
- Irrigation through sprinklers and drip systems
- Community water supply
- Water supply to bungalows & high rise buildings
- Household water supply
- Industrial water supply
- Cooling circuits in HVAC
- Decorative fountains
- De-watering of storm water in basement

Operating data

	Single Phase	Three Phase
No. of models	10	30
Capacity up to	440 lpm	2000 lpm
Head up to	33 m	70 m
Nominal speed	2800 rpm	2800 rpm
Motor rating	0.37 - 2.2 kW (0.5 - 3 HP)	2.2 - 11 kW (3 - 15 HP)
Power supply	220V +6%, -15% (50 Hz)	400V +6%, -15% (50 Hz)
Cable size	1.5 mm sq	Up to 5 HP - 2.5 mm sq. for DOL - 1.5 mm sq. for SD 7.5 & 10 HP - 2.5 mm sq. 12 & 15 HP - 4 mm sq.

Material of Construction

Casing	- Cast Iron
Impeller	- Cast Iron
Shaft	- Steel
Motor body	- Cast Iron for MREG / MRXG models - St. Steel jacket for MR / MRE models

Special features and benefits

- Designed for best possible hydraulic efficiency
- *motor optimally loaded*
- Dynamically balanced rotating assembly
- *vibration free - longer life*
- Designed to operate at low voltage conditions
- *stable performance*
- Highly durable water cooled re-windable motor
- *easy maintenance*
- Double counter bearings
- *better stability, no vibrations*



MONOSUB R



MONOSUB RE



MONOSUB REG / RXG

Performance Table for 2 Pole Single Phase models MR (S) / MRE (S)

Model	HP	Starting	Del. Size mm	Total head in meters												
				5	7	9	11	13	15	17	19	21	23	25	27	29
				Capacity in LPM												
MR (S) 0.5	0.5	CSR	25	-	135	125	115	105	90	70	50	35	-	-	-	-
MR (S) 1.0	1.0	CSCR	25	-	165	160	155	150	145	145	140	135	125	115	100	50
MR (S) 1.5	1.5	CSCR	40	440	420	405	380	355	325	280	225	160	85	-	-	-
MR (S) 2.0	2.0	CSCR	40	335	325	315	305	295	285	275	260	245	220	190	150	50
MR (S) 3.0 LH	3.0	CSCR	50	-	695	680	665	635	605	575	530	490	415	345	-	-

MONOSUB R / RE / REG / RXG

Performance Table for 2 Pole Single Phase models MR (S) / MRE (S)

Model	HP	Starting	Del. Size mm	Total head in meters								
				18	21	24	25.5	27	28.5	30	31.5	33
				Capacity in LPM								
MREX (S) 1.0 LH	1.0	CSR	25	157	133	107	90	72	48	-	-	-
MRE (S) 1.0 LH	1.0	CSR	25	155	143	126	110	100	75	40	-	-
MRE (S) 1.0 HH	1.0	CSR	25	-	133	116	105	93	80	65	50	30
MR (S) 1.0 HH	1.0	CSCR	25	-	133	116	105	93	80	65	50	30
MR (S) 3.0 HH	1.0	CSCR	25	375	347	317	312	283	258	233	200	150

Performance Table for 2 Pole Three Phase models MR / MREG / MRXG

Model	HP	Starting	Del. Size mm	Total head in meters												
				9	11	13	15	17	19	21	23	25	27	29	31	35
				Capacity in LPM												
MR/MREG 3.0 LH	3.0	DOL	50	-	485	475	465	450	425	395	360	290	200	-	-	-
MR 3.0 LH	3.0	SD	50	-	485	475	465	450	425	395	360	290	200	-	-	-
MREG 3.0 HF	3.0	DOL	50	-	810	765	715	635	550	460	365	135	-	-	-	-
MR/MREG 5.0 LH	5.0	DOL	65	-	985	945	900	845	790	735	660	454	350	-	-	-
MR 5.0 LH	5.0	SD	65	-	985	945	900	845	790	735	660	454	350	-	-	-
MR 5.0 HF	5.0	SD	75	1755	1605	1455	1265	1060	835	-	-	-	-	-	-	-
MR/MRXG 7.5 LH	7.5	DOL / SD	100	-	1600	1515	1435	1335	1230	1065	895	500	-	-	-	-
MR/MRXG 10 LH	10.0	SD	100	-	1935	1865	1800	1735	1645	1550	1435	1285	1065	835	-	-
MRXG 12.5 LH	12.5	SD	100	-	-	-	-	-	2130	2015	1925	1850	1750	1555	1360	830
MRXG 15.0 LH	15.0	SD	100	-	-	-	2667	2558	2458	2358	2250	2117	2000	1833	1667	1167

Model	HP	Starting	Del. Size mm	Total head in meters																
				24	26	28	30	32	34	36	38	42	46	48	50	52	55	60	65	70
				Capacity in LPM																
MR/MREG 3.0 HH	3.0	DOL	40/50	-	220	205	195	175	155	125	100	-	-	-	-	-	-	-	-	
MR 3.0 HH	3.0	SD	40/50	-	220	205	195	175	155	125	100	-	-	-	-	-	-	-	-	
MR/MREG 5.0 HH	5.0	DOL	50	565	555	530	470	400	320	215	165	-	-	-	-	-	-	-	-	
MR 5.0 HH	5.0	SD	50	565	555	530	470	400	320	215	165	-	-	-	-	-	-	-	-	
MR 5.0 SHH	5.0	DOL	40	-	-	-	-	-	-	-	-	265	235	200	165	80	-	-	-	
MR 5.0 SHH	5.0	SD	40	-	-	-	-	-	-	-	-	265	235	200	165	80	-	-	-	
MR/MRXG 7.5 MH	7.5	DOL / SD	65	1015	945	865	785	695	585	465	300	-	-	-	-	-	-	-	-	
MR/MRXG 7.5 HH	7.5	DOL / SD	50	-	-	-	-	-	475	445	435	385	325	290	250	190	110	-	-	
MR/MRXG 10 MH	10.0	SD	65	-	-	915	885	850	805	760	695	515	-	-	-	-	-	-	-	
MRXG 10 HH	10.0	SD	50	-	-	-	-	-	410	395	370	345	335	325	315	300	275	250	160	
MRXG 12.5 MH	12.5	SD	65	-	-	-	1180	1160	1145	1130	1090	845	575	455	-	-	-	-	-	

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