

Submersible open well monobloc pumpsets - **MONOSUB R**



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

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*

Operating data

	Single Phase	Three Phase
No. of models	7	21
Capacity up to	440 lpm	2000 lpm
Head up to	33 m	70 m
Nominal speed	2800 rpm	2800 rpm
Motor rating	0.37 - 1.5 kW (0.5 - 2 HP)	2.2 - 7.5 kW (3 - 10 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.



MONOSUB R

MONOSUB RE

MONOSUB REG / RXG

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														
				5	7	9	11	13	15	17	19	21	23	25	27	29	31	33
				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) 1.0 HH	1.0	CSCR	25	-	-	-	-	-	-	-	-	133	120	110	95	75	55	30
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	-	-
MRE (S) 1.0 LH	1.0	CSR	25	-	-	-	-	-	-	-	150	145	130	115	100	65	-	-
MRE (S) 1.0 HH	1.0	CSR	25	-	-	-	-	-	-	-	-	133	120	110	95	75	55	30

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

Model	HP	Starting	Del. Size mm	Total head in meters									
				11	13	15	17	19	21	23	25	27	29
				Capacity in LPM									
MR 3.0 LH	3.0	DOL / SD	50	485	475	465	450	425	395	360	290	200	-
MR 5.0 LH	5.0	DOL / SD	65	985	945	900	845	790	735	660	454	350	-
MR 7.5 LH	7.5	DOL / SD	100	1600	1515	1435	1335	1230	1065	895	500	-	-
MR 10 LH	10.0	SD	100	1935	1865	1800	1735	1645	1550	1435	1285	1065	835
MREG 3.0 LH	3.0	DOL	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	-	-
MREG 5.0 LH	5.0	DOL	65	985	945	900	845	790	735	660	454	350	-
MRXG 7.5 LH	7.5	DOL / SD	100	1600	1515	1435	1335	1230	1065	895	500	-	-
MRXG 10 LH	10.0	SD	100	1935	1865	1800	1735	1645	1550	1435	1285	1065	835

Model	HP	Starting	Del. Size mm	Total head in meters														
				24	26	28	30	32	34	36	38	42	46	50	55	60	65	70
				Capacity in LPM														
MR 3.0 HH *	3.0	DOL / SD	40	-	220	205	195	175	155	125	100	-	-	-	-	-	-	-
MR 5.0 HH	5.0	DOL / SD	50	565	555	530	470	400	320	215	165	-	-	-	-	-	-	-
MR 5.0 SHH	5.0	DOL / SD	40	-	-	-	-	-	-	-	-	265	235	165	-	-	-	-
MR 7.5 MH	7.5	DOL / SD	65	1015	945	865	785	695	585	465	300	-	-	-	-	-	-	-
MR 7.5 HH	7.5	DOL / SD	50	-	-	-	-	-	475	445	435	385	325	250	110	-	-	-
MR 10 MH	10.0	SD	65	-	-	915	885	850	805	760	695	515	-	-	-	-	-	-
MREG 3.0 HH *	3.0	DOL	40	-	220	205	195	175	155	125	100	-	-	-	-	-	-	-
MREG 5.0 HH	5.0	DOL	50	565	555	530	470	400	320	215	165	-	-	-	-	-	-	-
MRXG 7.5 MH	7.5	DOL / SD	65	1015	945	865	785	695	585	465	300	-	-	-	-	-	-	-
MRXG 7.5 HH	7.5	DOL / SD	50	-	-	-	-	-	475	445	435	385	325	250	110	-	-	-
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	325	300	275	250	160

* 3.0 HH model available with 2 inch delivery size as optional.

KSB Pumps and Valves - We are where you are

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