

### Horizontal Openwell Submersible Pumpset - ECM & EAM Series

HP Range : 3 - 7.5 hp  
 Discharge : 2400 - 120 lpm  
 Head Range : 6 - 48 Mts  
 Category : Cat 'B'  
 Speed : 2880 rpm



PERFORMANCE OF "MAHENDRA" ECM/ EAM SERIES HORIZONTAL OPENWELL SUBMERSIBLE PUMPSETS AT 2880 RPM WITH 415 VOLTS, THREE PHASE, AC, 50 Hz SUPPLY

S.No.	PUMP MODEL	HP/kW	DELI. SIZE (mm)	TOTAL HEAD IN METRES	DISCHARGE IN LPM																																	
					6	8	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40	42	44	46	48												
1	ECM/EAM 12	3.0 / 2.2	50		820	800	780	740	640	620	530	500	400	300	120																							
2	ECM/EAM 3HH	3.0 / 2.2	50		*	*	*	*	*	*	*	420	405	390	360	335	300	260	205	120																		
3	ECM/EAM 30	3.0 / 2.2	65		1140	1032	960	906	810	720	552																											
4	ECM/EAM 31	3.0 / 2.2	75		1248	1164	1086	882	732	534																												
5	ECM/EAM 14	5.0 / 3.7	50		1100	1090	1080	1040	990	930	910	890	840	820	730	630	490																					
6	ECM/EAM 24	5.0 / 3.7	50		*	*	*	*	*	690	678	675	665	653	640	630	620	585	546	510	456	390																
7	ECM/EAM 4HH	5.0 / 3.7	50		*	*	*	*	*	*	*	*	*	*	475	465	445	425	410	380	353	330	280	230	195	150												
8	ECM/EAM 20	5.0 / 3.7	65		1500	1464	1416	1338	1242	1146	1020	876	732	504																								
9	ECM/EAM 5	5.0 / 3.7	75		1608	1488	1344	1236	1128	1014	876	732	486																									
10	ECM/EAM 38	6.5 / 4.8	50		*	1002	984	960	930	870	834	798	756	714	678	624	558	480	396	270																		
11	ECM/EAM 39	6.5 / 4.8	65		1542	1464	1404	1368	1290	1224	1158	1080	990	900	804	690	540																					
12	ECM/EAM 21	6.5 / 4.8	100		2130	2010	1880	1650	1370																													
13	ECM/EAM 6	7.5 / 5.5	50		*	*	*	*	*	*	*	1233	1179	1116	1053	981	900	819	720	630	513	360																
14	ECM/EAM 6HH	7.5 / 5.5	50		*	*	*	*	*	*	*	*	*	830	820	805	780	760	720	690	660	615	560	500	400	250												
15	ECM/EAM 22	7.5 / 5.5	65		*	*	1488	1452	1428	1386	1332	1278	1212	1134	1038	924	816	708	576																			
16	ECM/EAM 23	7.5 / 5.5	75		*	*	*	1878	1788	1656	1488	1362	1170	900																								
17	ECM/EAM 43D+	7.5 / 5.5	100		*	*	2400	2250	2100	1900	1650	1400	820																									

\* DENOTES OVER LOADING REGION



## Horizontal Openwell Submersible Pumpset - OVM Series



HP Range : 3 - 20 hp  
Discharge : 4000 - 120 lpm  
Head Range : 2 - 56 Mts  
Category : Cat 'B'  
Speed : 1440 & 2880 rpm

PERFORMANCE OF "MAHENDRA" OVM SERIES HORIZONTAL OPENWELL SUBMERSIBLE PUMPSETS AT 2880 RPM WITH 415 VOLTS, THREE PHASE, AC, 50 Hz SUPPLY

S.No.	PUMP MODEL	HP/kw	DELI. SIZE (mm)	TOTAL HEAD IN METRES	DISCHARGE IN LPM																									
					6	8	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40	42	44	46	48	50	52	54	56
11	OVM 39	6.5 / 4.8	65		1542	1464	1404	1368	1290	1224	1158	1080	990	900	804	690	540													
12	OVM 21	6.5 / 4.8	100		2130	2010	1880	1650	1370																					
13	OVM 6	7.5 / 5.5	50		*	*	*	*	*	*	*	1233	1179	1116	1053	981	900	819	720	630	513	360								
14	OVM 6HH	7.5 / 5.5	50		*	*	*	*	*	*	*	*	830	820	805	780	760	720	690	660	615	560	500	400	250					
15	OVM 22	7.5 / 5.5	65		*	*	1488	1452	1428	1386	1332	1278	1212	1134	1038	924	816	708	576											
16	OVM 23	7.5 / 5.5	75		*	*	*	1878	1788	1656	1488	1362	1170	900																
17	OVM 43D+	7.5 / 5.5	100		*	*	2400	2250	2100	1900	1650	1400	820																	
18	OVM 9	10.0 / 7.5	50		*	*	*	*	*	*	*	*	*	*	*	1194	1170	1134	1104	1050	1014	960	888	828	744	654	522			
19	OVM 10	10.0 / 7.5	65		*	*	*	*	1542	1500	1458	1416	1356	1296	1230	1152	1062	960	840	720	564	348								
20	OVM 25	10.0 / 7.5	75		*	*	*	2046	1944	1836	1710	1596	1458	1326	1152	984														
21	OVM 63	12.5 / 9.3	75		*	*	*	*	*	*	*	*	*	1900	1750	1600	1420	1250	1050	650										
22	OVM 63+	12.5 / 9.3	100		*	*	*	*	*	*	*	*	*	2050	1900	1750	1600	1400	1250	950	550									
23	OVM 53	15.0 / 11	75		*	*	*	*	*	*	*	*	*	*	*	1760	1700	1620	1520	1400	1280	1160	960	660						
24	OVM 75	20.0 / 15.0	75		*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1850	1750	1650	1550	1450	1320	1150	960	750	

PERFORMANCE OF "MAHENDRA" OVM SERIES HORIZONTAL OPENWELL SUBMERSIBLE PUMPSETS AT 1440 RPM WITH 415 VOLTS, THREE PHASE, AC, 50 Hz SUPPLY

S.No.	PUMP MODEL	HP/kw	DELI. SIZE (mm)	TOTAL HEAD IN METRES	2	3	4	5	6	7	8	9	10
25	OVM 40	7.5 / 5.5	150	DISCHARGE IN LPM	3900	3800	3750	3600	3200	2900	2500	2000	
26	OVM 41	10.0 / 7.5	150		4000	3900	3800	3600	3350	3000	2700	2250	

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Speed : 2880 rpm



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					6	8	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40	42	44	46	48				
1	ECM/EAM 12	3.0 / 2.2	50		820	800	780	740	640	620	530	500	400	300	120															
2	ECM/EAM 3HH	3.0 / 2.2	50		*	*	*	*	*	*	*	420	405	390	360	335	300	260	205	120										
3	ECM/EAM 30	3.0 / 2.2	65		1140	1032	960	906	810	720	552																			
4	ECM/EAM 31	3.0 / 2.2	75		1248	1164	1086	882	732	534																				
5	ECM/EAM 14	5.0 / 3.7	50		1100	1090	1080	1040	990	930	910	890	840	820	730	630	490													
6	ECM/EAM 24	5.0 / 3.7	50		*	*	*	*	*	690	678	675	665	653	640	630	620	585	546	510	456	390								
7	ECM/EAM 4HH	5.0 / 3.7	50		*	*	*	*	*	*	*	*	*	*	475	465	445	425	410	380	353	330	280	230	195	150				
8	ECM/EAM 20	5.0 / 3.7	65		1500	1464	1416	1338	1242	1146	1020	876	732	504																
9	ECM/EAM 5	5.0 / 3.7	75		1608	1488	1344	1236	1128	1014	876	732	486																	
10	ECM/EAM 38	6.5 / 4.8	50		*	1002	984	960	930	870	834	798	756	714	678	624	558	480	396	270										
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12	ECM/EAM 21	6.5 / 4.8	100		2130	2010	1880	1650	1370																					
13	ECM/EAM 6	7.5 / 5.5	50		*	*	*	*	*	*	1233	1179	1116	1053	981	900	819	720	630	513	360									
14	ECM/EAM 6HH	7.5 / 5.5	50		*	*	*	*	*	*	*	*	830	820	805	780	760	720	690	660	615	560	500	400	250					
15	ECM/EAM 22	7.5 / 5.5	65		*	*	1488	1452	1428	1386	1332	1278	1212	1134	1038	924	816	708	576											
16	ECM/EAM 23	7.5 / 5.5	75		*	*	*	1878	1788	1656	1488	1362	1170	900																
17	ECM/EAM 43D+	7.5 / 5.5	100		*	*	2400	2250	2100	1900	1650	1400	820																	

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