

DEEP WELL SUBMERSIBLE PUMPS



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4" Pumps

4SDm-range

Operating Conditions

- Maximum ambient temperature < 40°C.
- Sand content (mass fraction) up to 0.01%.
- Hydrogen Sulfide content up to 1.5mg/litre.
- Chloride Ion content up to 400mg/litre.
- pH 6.5-8.5.
- Submersible Depth: 70m below static water table.

Motor

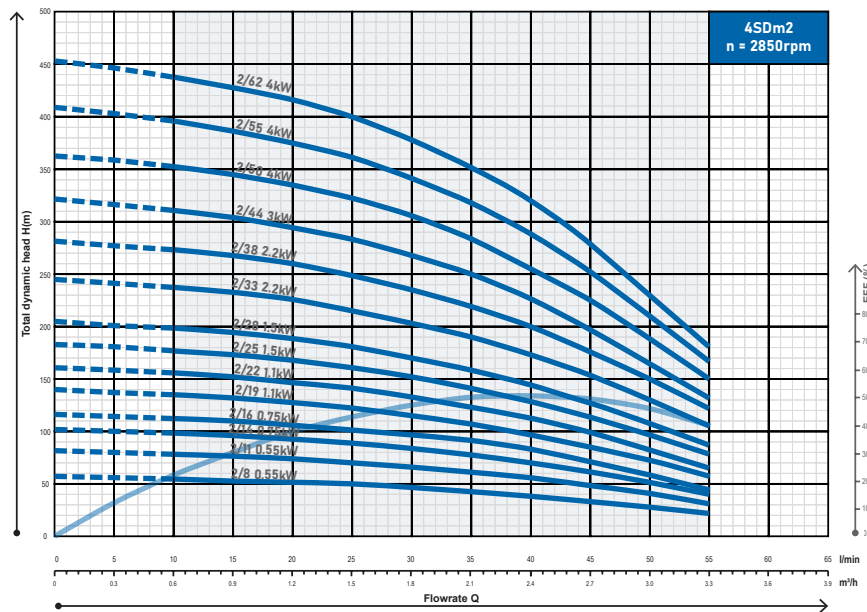
- Flange 4"NEMA standard
- Oil-filled motor, stable & reliable running with pressure regulating membrane
- Available with pump casing with plug, integrated stage floating impellers.
- Installation in 4" or larger boreholes.

Pump Range

- Max flow: 22m³/h
- Max head: 454m



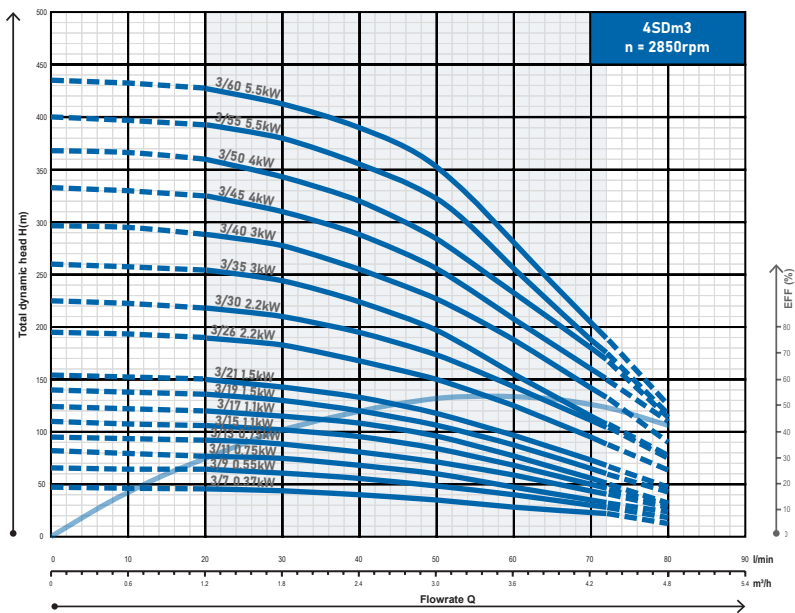
4SDm2 Performance Curves



MODEL	POWER		OUTLET SIZE (DN)	RATE CURRENT (A)	m ³ /h															
	230V Single Phase	400V Three Phase			kW	HP	0	0.3	0.6	0.9	1.2	1.5	1.8	2.1	2.4	2.7	3.0	3.3		
230V Single Phase	400V Three Phase	kW	HP	OUTLET SIZE (DN)	Rate Current (A)	230V Single Phase	400V Three Phase	l/min	0	5	10	15	20	25	30	35	40	45	50	55
4SDm 2/8	-	0.37	0.5	1 1/2" 32mm	4.2	-	-	HEAD (M)	58	56	55	54	52	50	46	43	38	34	27	21
4SDm 2/11	-	0.55	0.75		5.5	-	82		80	79	77	74	71	67	62	56	49	41	32	
4SDm 2/14	4SDm 2/14	0.75	1		7.3	2.4	102		100	99	97	93	89	84	82	70	62	51	41	
4SDm 2/16	4SDm 2/16	0.75	1		8.3	2.7	117		114	113	111	106	102	96	94	80	71	58	47	
4SDm 2/19	4SDm 2/19	1.1	1.5		9.0	3.1	140		137	135	133	127	122	115	107	98	86	71	57	
4SDm 2/22	4SDm 2/22	1.1	1.5		10.4	3.6	162		159	156	154	147	141	133	124	113	100	82	66	
4SDm 2/25	4SDm 2/25	1.5	2		11.9	5	184		180	178	174	169	162	152	142	128	114	96	78	
4SDm 2/28	4SDm 2/28	1.5	2		13.3	5.6	206		202	199	195	189	181	170	159	143	128	108	87	
4SDm 2/33	4SDm 2/33	2.2	3		15.6	7.4	246		241	238	233	226	216	204	191	174	153	130	106	
4SDm 2/38	4SDm 2/38	2.2	3		18	8.5	283		278	274	268	260	249	235	220	200	176	150	122	
-	4SDm 2/44	3	4		-	9.2	320		317	311	304	295	284	269	250	225	198	165	132	
-	4SDm 2/50	3	4		-	10.5	364		360	353	345	335	323	306	284	256	225	188	150	
-	4SDm 2/55	4	5.5		-	11.5	410		403	396	386	376	361	342	318	289	252	206	165	
-	4SDm 2/62	4	5.5		-	12.7	454		446	438	427	416	400	379	352	320	279	228	183	

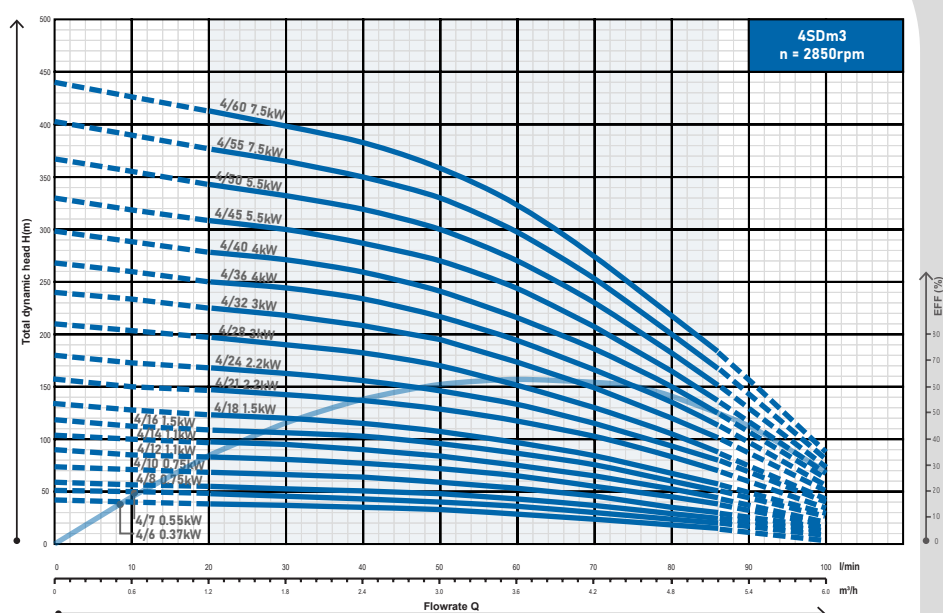


4SDm3 Performance Curves



MODEL		POWER		OUTLET SIZE (DN)	RATE CURRENT (A)		m³/h	HEAD (M)									
230V Single Phase	400V Three Phase	kW	HP		230V Single Phase	400V Three Phase		l/min	0	0.6	1.2	1.8	2.4	3.0	3.6	4.2	4.8
4SDm 3/7	-	0.37	0.5	1 1/2" 32mm	4.2	-	49	48	47	44	40	35	28	23	12		
4SDm 3/9	-	0.55	0.75		5.5	-	65	64	63	60	55	48	40	30	19		
4SDm 3/11	4SDm 3/11	0.75	1		7.3	2.4	81	79	78	75	68	60	49	37	24		
4SDm 3/13	4SDm 3/13	0.75	1		8.3	2.7	96	93	92	89	80	71	58	44	28		
4SDm 3/15	4SDm 3/15	1.1	1.5		9.0	3.1	110	108	106	102	96	84	68	49	28		
4SDm 3/17	4SDm 3/17	1.1	1.5		10.4	3.6	125	122	120	116	109	95	77	56	32		
4SDm 3/19	4SDm 3/19	1.5	2		11.9	5	140	138	136	130	120	106	87	66	43		
4SDm 3/21	4SDm 3/21	1.5	2		13.3	5.6	155	153	150	144	133	117	96	73	48		
4SDm 3/26	4SDm 3/26	2.2	3		15.6	7.4	195	193	190	182	168	150	124	96	65		
4SDm 3/30	4SDm 3/30	2.2	3		18	8.5	225	223	219	210	194	173	143	111	75		
-	4SDm 3/35	3	4		-	9.2	260	258	253	243	224	198	163	124	78		
-	4SDm 3/40	3	4		-	10.5	297	295	289	278	256	226	186	142	89		
-	4SDm 3/45	4	5.5		-	11.5	332	330	324	310	288	256	208	162	107		
-	4SDm 3/50	4	5.5		-	12.7	369	367	360	344	320	284	231	180	114		
-	4SDm 3/55	5.5	7.5		-	16	400	398	393	380	355	323	250	187	115		
-	4SDm 3/60	5.5	7.5		-	17.5	436	434	429	415	387	352	273	204	125		

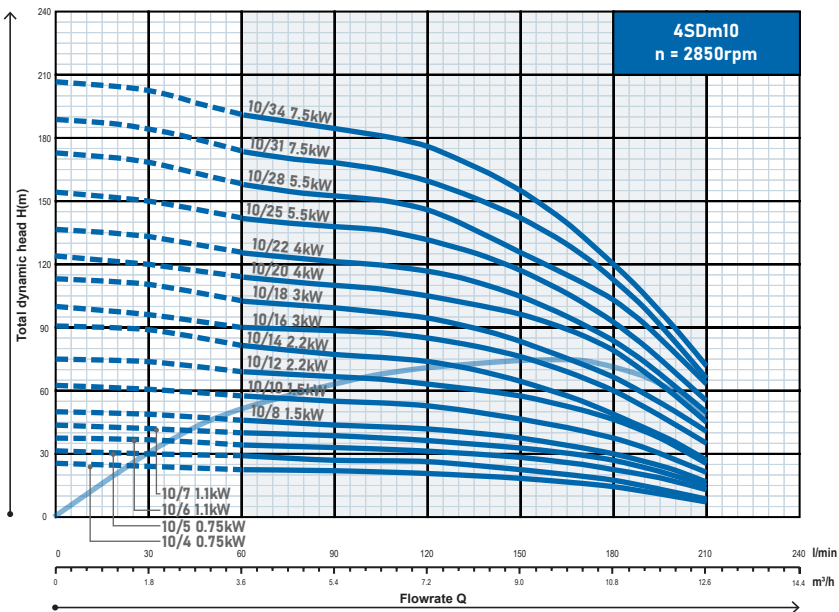
4SDm4 Performance Curves



MODEL		POWER		OUTLET SIZE (DN)	RATE CURRENT (A)		m³/h	HEAD (M)											
230V Single Phase	400V Three Phase	kW	HP		230V Single Phase	400V Three Phase		l/min	0	0.6	1.2	1.8	2.4	3.0	3.6	4.2	4.8	5.4	6.0
4SDm 4/6	-	0.37	0.5	1 1/2" 32mm	4.2	-	42	40	39	37	35	32	29	24	19	12	4		
4SDm 4/7	-	0.55	0.75		5.5	-	50	48	47	46	44	40	36	31	25	18	9		
4SDm 4/8	4SDm 4/8	0.75	1		7.3	2.4	59	57	55	53	51	47	43	37	29	21	11		
4SDm 4/10	4SDm 4/10	0.75	1		8.3	2.7	74	71	69	66	64	59	54	46	36	26	14		
4SDm 4/12	4SDm 4/12	1.1	1.5		9.0	3.1	89	85	83	81	77	72	65	56	45	33	18		
4SDm 4/14	4SDm 4/14	1.1	1.5		10.4	3.6	104	99	97	95	90	84	76	65	53	39	21		
4SDm 4/16	4SDm 4/16	1.5	2		11.9	5	118	113	110	107	102	95	86	75	60	45	26		
4SDm 4/18	4SDm 4/18	1.5	2		13.3	5.6	133	127	124	120	115	107	97	84	68	51	29		
4SDm 4/21	4SDm 4/21	2.2	3		15.6	7.4	156	150	146	142	136	127	116	101	82	62	35		
4SDm 4/24	4SDm 4/24	2.2	3		18	8.5	178	171	167	162	155	145	133	115	94	71	40		
-	4SDm 4/28	3	4		-	9.2	209	203	196	190	182	170	152	130	106	77	45		
-	4SDm 4/32	3	4		-	10.5	239	232	224	217	208	194	174	147	121	88	51		
-	4SDm 4/36	4	5.5		-	11.5	267	257	250	243	232	216	194	167	136	98	57		
-	4SDm 4/40	4	5.5		-	12.7	297	286	278	270	258	240	216	186	151	109	63		
-	4SDm 4/45	5.5	7.5		-	16	328	317	308	297	286	269	242	207	165	118	67		
-	4SDm 4/50	5.5	7.5		-	17.5	364	352	342	330	318	299	269	230	183	131	74		
-	4SDm 4/55	7.5	10	-	18	401	388	375	363	349	328	296	250	202	145	82			
-	4SDm 4/60	7.5	10	-	19.6	437	423	409	396	381	356	323	273	220	158	89			

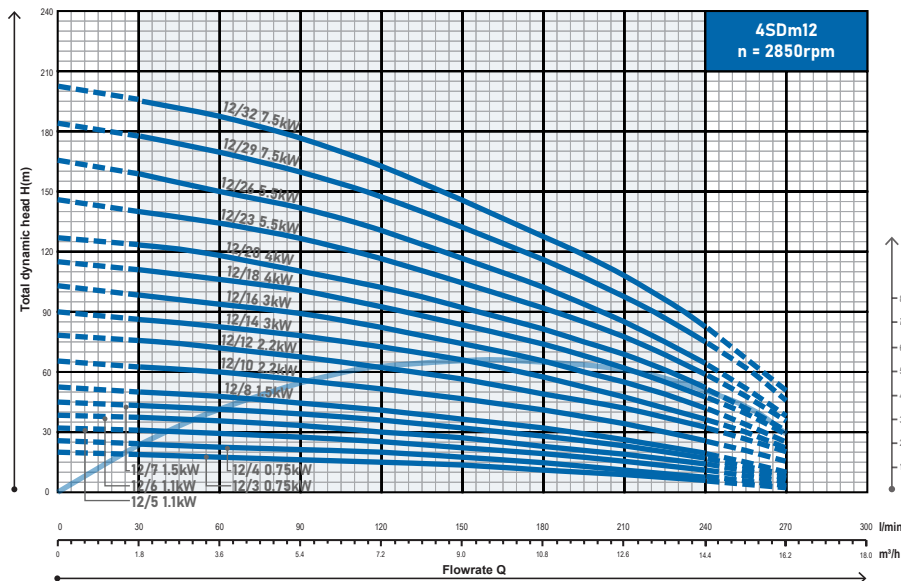


4SDm10 Performance Curves



MODEL		POWER		OUTLET SIZE (DN)	RATE CURRENT (A)		m³/h	HEAD (M)							
230V Single Phase	400V Three Phase	kW	HP		230V Single Phase	400V Three Phase		0	1.8	3.6	5.4	7.2	9.0	10.8	12.6
4SDm 10/4	4SDm10/4	0.75	1	2"	7.3	2.4	25	24	23	22	21	18	14	7	
4SDm 10/5	4SDm10/5	0.75	1		8.3	2.7	31	30	29	27	26	23	18	9	
4SDm 10/6	4SDm 10/6	1.1	1.5		9.0	3.1	37	36	34	33	31	28	23	13	
4SDm 10/7	4SDm 10/7	1.1	1.5		10.4	3.6	43	42	40	39	36	33	27	15	
4SDm 10/8	4SDm 10/8	1.5	2		11.9	5.0	50	49	46	44	42	37	30	17	
4SDm 10/10	4SDm 10/10	1.5	2		13.3	5.6	63	61	58	55	53	46	38	21	
4SDm 10/12	4SDm 10/12	2.2	3		15.6	7.4	77	76	70	66	63	55	42	22	
4SDm 10/14	4SDm 10/14	2.2	3		18	8.5	90	89	82	77	74	64	49	26	
-	4SDm 10/16	3	4		-	9.2	100	98	91	88	84	74	59	36	
-	4SDm 10/18	3	4		-	10.5	113	110	102	99	98	87	64	40	
-	4SDm 10/20	4	5.5		-	11.5	124	121	114	110	106	95	76	45	
-	4SDm 10/22	4	5.5		-	12.7	136	133	125	121	117	105	84	50	
-	4SDm 10/25	5.5	7.5		-	16	154	150	141	136	130	116	92	55	
-	4SDm 10/28	5.5	7.5		-	17.5	172	168	158	152	146	125	100	62	
-	4SDm 10/31	7.5	10		-	18	188	184	174	168	160	141	110	66	
-	4SDm 10/34	7.5	10		-	19.6	206	202	191	184	175	155	121	72	

4SDm12 Performance Curves



MODEL		POWER		OUTLET SIZE (DN)	RATE CURRENT (A)		m³/h	HEAD (M)											
230V Single Phase	400V Three Phase	kW	HP		230V Single Phase	400V Three Phase		0	1.8	3.6	5.4	7.2	9.0	10.8	12.6	14.4	16.2		
4SDm 12/3	4SDm12/3	0.75	1	2"	7.3	2.4	19	18	17	16	15	13	11	8	6	2			
4SDm 12/4	4SDm12/4	0.75	1		8.3	2.7	25	24	23	21	20	17	15	11	8	3			
4SDm 12/5	4SDm 12/5	1.1	1.5		9.0	3.1	32	31	29	28	25	23	19	16	12	6			
4SDm 12/6	4SDm 12/6	1.1	1.5		10.4	3.6	38	37	35	34	30	28	23	19	14	7			
4SDm 12/7	4SDm 12/7	1.5	2		11.9	5.0	46	44	42	39	36	32	28	23	17	9			
4SDm 12/8	4SDm 12/8	1.5	2		13.3	5.6	53	50	48	45	41	37	32	26	19	10			
4SDm 12/10	4SDm 12/10	2.2	3		15.6	7.4	65	63	60	56	52	47	41	35	27	17			
4SDm 12/12	4SDm 12/12	2.2	3		18	8.5	78	76	72	67	62	56	49	42	32	20			
-	4SDm 12/14	3	4		-	9.2	90	86	82	78	72	65	57	48	37	22			
-	4SDm 12/16	3	4		-	10.5	103	98	94	89	82	74	65	55	42	25			
-	4SDm 12/18	4	5.5		-	11.5	114	111	106	99	92	83	73	62	47	28			
-	4SDm 12/20	4	5.5		-	12.7	127	123	118	110	102	92	81	69	52	31			
-	4SDm 12/23	5.5	7.5		-	16	146	140	133	125	115	103	91	75	57	34			
-	4SDm 12/26	5.5	7.5		-	17.5	165	158	150	141	130	116	103	85	64	38			
-	4SDm 12/29	7.5	10		-	18	183	177	170	160	147	132	116	98	75	46			
-	4SDm 12/32	7.5	10		-	19.6	202	195	188	177	162	146	128	108	83	51			



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PUMPS



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