



SS CASTED PUMP

PUMPS | MOTORS | CABLES | SOLAR PUMPS



PUMPS | PIPES | CABLES | SOLAR PUMPS

The Beginning

DUKE PLASTO TECHNIQUE PRIVATE LIMITED, way back in 1989, was a resolute attempt to produce a few irrigation equipment's using the limited facilities. Eventually the founder's dream was coming true as the small production unit he started kept growing rapidly. Now, after more than five eventful decades, it is an enormous, widely reputed organization, which produces more than wide varieties of perfectly engineered pumps and motors.

The Infrastructure

Duke Plasto Technique Private Limited is pretty comprehensive with state-of-the-art machineries and high potential in-house R&D. All within its own covered area of 16,815 square meters. The production environment is accredited with ISO 9001-2015 and ISO 14001-2004 certifications and the products are IS 9283-2013 certified. The R&D team always stays in tune with the changing scenario and seldom fails incoming up with outstanding solutions every time.



Duke Plasto Technique Private Limited

Since 1989 we design and manufacture submersible pumps & motors. Thanks to significant investments in production automation and extensive use of robotized assembly we offers submersible pumps and motors with high hydraulic characteristics and a very competitive quality/price ratio: made in India. Our range includes submersible pumps from 3" to 9" also in stainless steel for the most demanding applications. Duke Plasto Technique Private Limited has always been manufacturing submersible motors for the entire range of pumps covering all power from 0.5HP - 0.37kW to 125HP - 93kW.

With No Doubts

Behind this growth lies the untiring, innovative, enthusiastic and Dedicated team work and, of course, a flawlessly maintained value system too. The name DUKE itself encapsulates the company's ethos: "Commitment, Reliability, Innovation".

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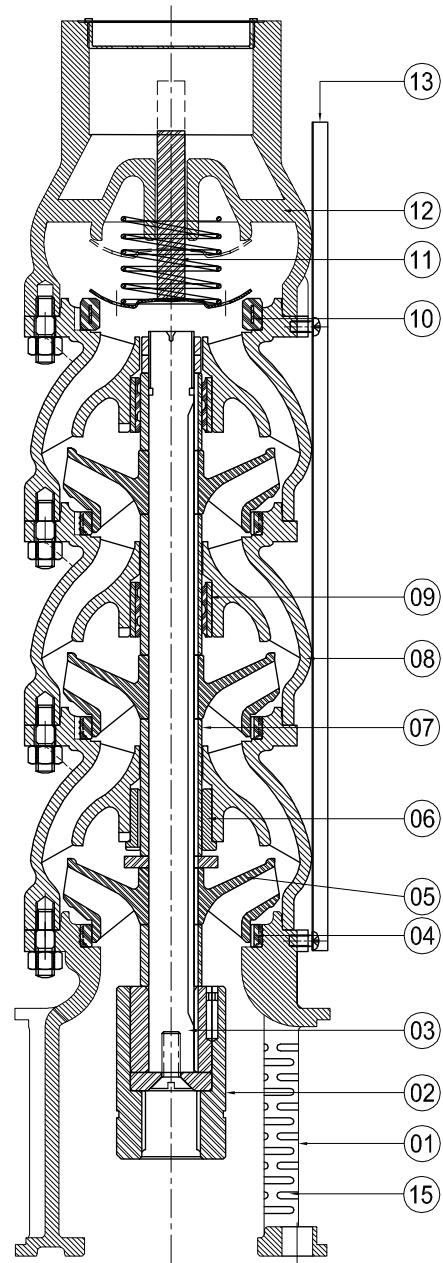


SS CASTED PUMPS



Material of Construction

NO.	PART NAME	MATERIAL
1	SUCTION HOUSING (IP)	SS 304/316
2	COPPLE	SS 304
3	PUMP SHAFT	SS 420/431
4	WEAR RING	NITRILE RUBBER
5	IMPELLER	SS 410
6	COUNTER BUSH	LTB-4
7	BEARING SLEEVE	SS 410
8	BOWL	SS 304/316
9	RUBBER BUSH	NITRILE RUBBER+CS
10	NRV RING	NITRILE RUBBER+SS
11	VALVE ASSY.	SS 304
12	NRV	SS 304/316
13	CABLE GUARD	SS 304
14	STRAINER	SS 304



Cross Sectional
View

Features

1. All pumps have been designed using Advanced Hydraulic design to ensure maximum efficiency.
2. All pumps are designed using material which can work with sand found in the borewell.
3. All journal bearing and impeller wear rings are made of nitrile rubber to ensure that performance of pumps remain the same over a period of time.
4. Impeller are made of stainless steel to provide high abrasion resistance to sand found in borewell.
5. All pumps are provided with upthrust counter to control axial movement of the impeller assembly during transportation as well as start-up.
6. Low friction non-return valve is provided on all pumps to reduce water hammer when the pump is stopped.
7. The entire shaft is protected by stainless steel which can be easily replaced when they wear out during maintenance.
8. All Impellers are individually balanced to G 6.3 of ISO.
9. The entire shaft is protected by stainless steel which can be easily replaced when they wear out during maintenance.
10. All components are machined using state of the art CNC machines to ensure high dimensional accuracy which gives a longer life to the pump.

DSP6MF

Mixed Flow

SUBMERSIBLE PUMP SET (Suitable for **150mm 6"** Bore Well)

Approx performance chart at 2880 RPM, 350 to 420 V (T.P.), 160 to 230 V (S.P.) up to 10.0HP, 50Hz AC Supply

DSP6MF10

Motor Rating		STAGE	Outlet size 65mm (2.5")				50Hz				
			Discharge								
m³/h	0		9.6	14.7	22.2	25.8	28.5	30.6	33		
kW	HP		lps	0	2.67	4.08	6.17	7.17	7.92	8.50	9.17
			lpm	0	160	245	370	430	475	510	550
2.2	3	3		32	28	26	25	23	22	21	20
3	4	4		42	37	35	33	31	29	28	27
3.7	5	5		53	46	44	41	39	37	36	34
4.5	6	6		63	55	53	49	47	44	43	40
5.5	7.5	7		74	64	62	57	55	51	50	47
5.5	7.5	8		84	74	70	66	62	58	57	54
7.5	10	9		95	83	79	74	70	66	64	60
7.5	10	10		105	92	88	82	78	73	71	67
7.5	10	11		116	101	97	90	86	80	78	74
9.3	12.5	12		126	110	106	98	94	88	85	80
9.3	12.5	13		137	120	114	107	101	95	92	87
11	15	14		147	129	123	115	109	102	99	94
11	15	15		158	138	132	123	117	110	107	101
11	15	16		168	147	141	131	125	117	114	107
13	17.5	18		189	166	158	148	140	131	128	121
15	20	20		210	184	176	164	156	146	142	134
18.5	25	25		263	230	220	205	195	183	178	168

DSP6MF12

Motor Rating		STAGE	Outlet size 65mm (2.5")				50Hz				
			Discharge								
m³/h	0		19.8	26.4	28.8	31.2	34.8	37.2	40.8		
kW	HP		lps	0	5.5	7.33	8.00	8.67	9.67	10.33	11.33
			lpm	0	330	440	480	520	580	620	680
3	4	3		38	28	26	25	23	22	21	19
3.7	5	4		50	37	34	33	31	29	28	25
4.5	6	5		63	46	43	41	39	37	35	32
5.5	7.5	6		75	55	52	49	47	44	42	38
7.5	10	8		100	74	69	66	62	58	56	50
9.3	12.5	10		125	92	86	82	78	73	70	63
11	15	12		150	110	103	98	94	88	84	76
13	17.5	14		175	129	120	115	109	102	98	88
15	20	16		200	147	138	131	125	117	112	101
16.7	22.5	18		225	166	155	148	140	131	126	113
18.5	25	20		250	184	172	164	156	146	140	126



* Available outlet size of 75mm (3") in 6MF 10, 12 Models

DSP6MF

Mixed Flow

SUBMERSIBLE PUMP SET (Suitable for **150mm 6"** Bore Well)

Approx performance chart at 2880 RPM, 350 to 420 V (T.P.), 160 to 230 V (S.P.) up to 10.0HP, 50Hz AC Supply

DSP6MF15

Motor Rating		STAGE	Outlet size 75mm (3")					50Hz			
kW	HP		Discharge								
			m³/h	0.0	24.6	31.8	36.0	38.4	40.2	42.6	
3.7	5	3	lps	0.0	6.8	8.8	10.0	10.7	11.2	11.8	
4.5	6	4	lpm	0	410	530	600	640	670	710	
5.5	7.5	5									
7.5	10	7									
9.3	12.5	8									
11	15	10									
13	17.5	12									
15	20	14									
16.7	22.5	15									
18.5	25	16									
22	30	20									
			Head in Meters	38	29	27	25	23	22	20	
				50	38	36	33	31	30	27	
				63	48	45	41	39	37	34	
				88	67	62	57	55	52	48	
				100	76	71	66	62	59	54	
				125	95	89	82	78	74	68	
				150	114	107	98	94	89	82	
				175	133	125	115	109	104	95	
				188	143	134	123	117	111	102	
				200	152	142	131	125	118	109	
				250	190	178	164	156	148	136	
										126	

DSP6MF18

Motor Rating		STAGE	Outlet size 75mm (3")					50Hz			
kW	HP		Discharge								
			m³/h	0.0	22.8	33.6	42.0	45.0	48.6	51.9	
3.7	5	3	lps	0.0	6.3	9.3	11.7	12.5	13.5	14.4	
5.5	7.5	4	lpm	0	380	560	700	750	810	865	
7.5	10	6									
9.3	12.5	7									
11	15	8									
11	15	9									
13	17.5	10									
15	20	11									
15	20	12									
18.5	25	14									
22	30	16									
			Head in Meters	39	31	28	25	23	21	19	
				52	42	38	34	31	28	25	
				78	62	56	50	47	42	38	
				91	73	66	59	55	49	44	
				104	83	75	67	62	56	51	
				117	94	85	76	70	63	57	
				130	104	94	84	78	70	63	
				143	114	103	92	86	77	69	
				156	125	113	101	94	84	76	
				182	146	132	118	109	98	88	
				208	166	150	134	125	112	101	
										91	



* Available outlet size of 65mm (2.5") in 6MF 15, 18 Models

DSP6MF

Mixed Flow

SUBMERSIBLE PUMP SET (Suitable for **150mm 6"** Bore Well)

Approx performance chart at 2880 RPM, 350 to 420 V (T.P.), 160 to 230 V (S.P.) up to 10.0HP, 50Hz AC Supply

DSP6MF20

Motor Rating		STAGE	Outlet size 75mm (3")					50Hz			
kW	HP		Discharge								
			m³/h	0	17.4	27.6	37.2	50.4	54.3	60.0	
lps	lps	lpm	0	4.83	7.67	10.33	14.0	15.1	15.67	16.67	
lpm	lpm	lpm	0	290	460	620	840	905	940	1000	
4.5	6	3	35	32	31	28	23	21	20	17	
5.5	7.5	4	46	43	41	37	31	28	27	22	
7.5	10	5	58	54	51	46	39	36	34	28	
9.3	12.5	6	69	65	61	55	47	43	40	33	
11	15	7	81	76	71	64	55	50	47	39	
11	15	8	92	86	82	74	62	57	54	44	
13	17.5	9	104	97	92	83	70	64	60	50	
15	20	10	115	108	102	92	78	71	67	55	
16.7	22.5	11	127	119	112	101	86	78	74	61	
18.5	25	12	138	130	122	110	94	85	80	66	
22	30	15	173	162	153	138	117	107	101	83	

DSP6MF25

Motor Rating		STAGE	Outlet size 75mm (3")					50Hz			
kW	HP		Discharge								
			m³/h	0	40.8	49.2	54.0	63.0	67.2	72.0	76.8
lps	lps	lpm	0	11.33	13.67	15.0	17.5	18.67	20.00	21.3	21.3
lpm	lpm	lpm	0	680	820	900	1050	1120	1200	1280	1280
3.7	5	2	27	19	18	17	15	14	13	11	11
5.5	7.5	3	41	28	26	25	23	22	19	17	17
7.5	10	4	54	37	35	34	30	29	26	22	22
9.3	12.5	5	68	46	44	42	38	36	32	28	28
11	15	6	81	55	53	50	46	43	38	33	33
13	17.5	7	95	64	62	59	53	50	45	39	39
15	20	8	108	74	70	67	61	58	51	44	44
16.7	22.5	9	122	83	79	76	68	65	58	50	50
18.5	25	10	135	92	88	84	76	72	64	55	55
22	30	12	162	110	106	101	91	86	77	66	66



DSP6MF

Mixed Flow

SUBMERSIBLE PUMP SET (Suitable for **150mm 6"** Bore Well)

Approx performance chart at 2880 RPM, 350 to 420 V (T.P.), 160 to 230 V (S.P.) up to 10.0HP, 50Hz AC Supply

DSP6MF30

Motor Rating		STAGE	Outlet size 75mm (3")				50Hz				
kW	HP		Discharge								
			m³/h	0	42.0	51.0	60.0	75.6	79.8	84.0	90.0
Ips	Ips	Ips	lpm	0	11.67	14.2	16.67	21.0	22.17	23.33	25.00
Ipm	Ipm	Ipm	lpm	0	700	850	1000	1260	1330	1400	1500
4.5	6	2	Head in Meters	27	19	18	17	15	14	14	12
7.5	10	3		41	29	28	26	23	22	20	17
9.3	12.5	4		54	38	37	34	30	29	27	23
11	15	5		68	48	46	43	38	36	34	29
13	17.5	6		81	58	55	52	46	43	41	35
15	20	7		95	67	64	60	53	50	48	41
18.5	25	8		108	77	74	69	61	58	54	46
22	30	10		135	96	92	86	76	72	68	58



* In DSM6 7.5 HP Motor is also available with DOL or star delta connection.

DSP6MFH

Mixed Flow
High Head

SUBMERSIBLE PUMP SET (Suitable for **150mm 6"** Bore Well)

Approx performance chart at 2880 RPM, 350 to 420 V (T.P.), 160 to 230 V (S.P.) up to 10.0HP, 50Hz AC Supply

DSP6MFH10

Motor Rating		STAGE	Outlet size 75mm (3")					50Hz			
kW	HP		Discharge								
			m³/h	0	6.6	10.2	14.4	19.8	24	29.4	33.6
lps	lps	lpm	0	1.83	2.83	4.00	5.50	6.67	8.17	9.33	
lpm	lpm	lpm	0	110	170	240	330	400	490	560	
2.2	3	3	42	41	38	35	30	26	20	15	
3	4	4	56	54	51	46	40	35	26	20	
3.7	5	5	70	68	64	58	50	44	33	25	
4.5	6	6	84	81	77	70	60	52	40	30	
5.5	7.5	7	98	95	90	81	70	61	46	35	
5.5	7.5	8	112	108	102	93	80	70	53	40	
7.5	10	9	126	122	115	104	90	78	59	45	
7.5	10	10	140	135	128	116	100	87	66	50	
7.5	10	11	154	149	141	128	110	96	73	55	
9.3	12.5	12	168	162	154	139	120	104	79	60	
9.3	12.5	13	182	176	166	151	130	113	86	65	
11	15	14	196	189	179	162	140	122	92	70	
11	15	15	210	203	192	174	150	131	99	75	
11	15	16	224	216	205	186	160	139	106	80	
13	17.5	18	252	243	230	209	180	157	119	90	
15	20	20	280	270	256	232	200	174	132	100	
18.5	25	25	350	338	320	290	250	218	165	125	

DSP6MFH12

Motor Rating		STAGE	Outlet size 75mm (3")					50Hz			
kW	HP		Discharge								
			m³/h	0	8.4	13.8	21	24	28.8	32.4	36.6
lps	lps	lpm	0	2.3	3.83	5.83	6.67	8.00	9.00	10.17	
lpm	lpm	lpm	0	140	230	350	400	480	540	610	
3	4	3	44	41	39	34	32	26	23	17	
3.7	5	4	58	55	52	46	42	35	30	22	
4.5	6	5	73	69	65	57	53	44	38	28	
5.5	7.5	6	87	83	78	68	63	53	45	33	
7.5	10	8	116	110	104	91	84	70	60	44	
9.3	12.5	10	145	138	130	114	105	88	75	55	
11	15	12	174	166	156	137	126	106	90	66	
13	17.5	14	203	193	182	160	147	123	105	77	
15	20	16	232	221	208	182	168	141	120	88	
16.7	22.5	18	261	248	234	205	189	158	135	99	
18.5	25	20	290	276	260	228	210	176	150	110	



DSP6MFH

Mixed Flow
High Head

SUBMERSIBLE PUMP SET (Suitable for **150mm 6"** Bore Well)

Approx performance chart at 2880 RPM, 350 to 420 V (T.P.), 160 to 230 V (S.P.) up to 10.0HP, 50Hz AC Supply

DSP6MFH15

Motor Rating		STAGE	Outlet size 75mm (3")					50Hz			
kW	HP		Discharge								
			m³/h	0.0	15.0	18.0	21.0	25.8	30.6	37.2	
3.7	5	Head in Meters	lps	0.0	4.17	5.00	5.83	7.17	8.50	10.33	
4.5	6		lpm	0	250	300	350	430	510	620	
5.5	7.5			47	40	38	37	33	29	20	
7.5	10			62	53	51	49	44	38	26	
9.3	12.5			78	66	64	61	55	48	33	
11	15			109	93	90	85	77	67	46	
13	17.5			124	106	102	98	88	76	52	
15	20			155	133	128	122	110	95	65	
16.7	22.5			186	159	154	146	132	114	78	
18.5	25			217	186	179	171	154	133	91	
18.5	25			233	199	192	183	165	143	98	
22	30			248	212	205	195	176	152	104	
22	30			264	225	218	207	187	162	111	
				310	265	256	244	220	190	130	
										80	

DSP6MFH18

Motor Rating		STAGE	Outlet size 75mm (3")					50Hz			
kW	HP		Discharge								
			m³/h	0.0	15.0	20.4	27.0	37.8	42.0	51.6	
3.7	5	Head in Meters	lps	0.0	4.17	5.67	7.50	10.50	11.67	14.33	
5.5	7.5		lpm	0	250	340	450	630	700	860	
7.5	10			47	42	40	36	30	27	18	
9.3	12.5			62	56	53	48	40	36	24	
11	15			93	84	79	72	60	54	36	
11	15			109	98	92	84	70	63	42	
13	17.5			124	112	106	96	80	72	48	
15	20			140	126	119	108	90	81	54	
15	20			155	140	132	120	100	90	60	
18.5	25			171	154	145	132	110	99	66	
22	30			186	168	158	144	120	108	72	
22	30			217	196	185	168	140	126	84	
22	30			248	224	211	192	160	144	96	
22	30			264	238	224	204	170	153	102	
				264	238	224	204	170	153	51	



DSP6MFH

Mixed Flow
High Head

SUBMERSIBLE PUMP SET (Suitable for **150mm 6"** Bore Well)

Approx performance chart at 2880 RPM, 350 to 420 V (T.P.), 160 to 230 V (S.P.) up to 10.0HP, 50Hz AC Supply

DSP6MFH20

Motor Rating		STAGE	Outlet size 75mm (3")					50Hz				
			Discharge									
kW	HP		m³/h	0	18.6	28.5	34.8	37.8	42.6	48.6	57.6	
			lps	0	5.2	7.9	9.7	10.5	11.8	13.5	16.0	
			lpm	0	310	475	580	630	710	810	960	
3	4	2	Head in Meters	32	29	25	23	22	21	18	14	
4.5	6	3		48	44	38	35	33	31	27	21	
5.5	7.5	4		64	58	51	47	44	41	36	28	
7.5	10	5		80	73	64	59	55	52	45	35	
9.3	12.5	6		96	87	76	70	66	62	54	42	
11	15	7		112	102	89	82	77	72	63	49	
11	15	8		128	116	102	94	88	82	72	56	
13	17.5	9		144	131	114	105	99	93	81	63	
15	20	10		160	145	127	117	110	103	90	70	
16.7	22.5	11		176	160	140	129	121	113	99	77	
18.5	25	12		192	174	152	140	132	124	108	84	
20.5	27.5	14		224	203	178	164	154	144	126	98	
22	30	15		240	218	191	176	165	155	135	105	

DSP6MFH25

Motor Rating		STAGE	Outlet size 75mm (3")					50Hz				
			Discharge									
kW	HP		m³/h	0	30	36	42	46.8	51	57	66	
			lps	0	8.33	10.00	11.67	13.0	14.17	15.83	18.33	
			lpm	0	500	600	700	780	850	950	1100	
3.7	5	2	Head in Meters	32	27	26	24	22	21	18	14	
5.5	7.5	3		48	41	38	36	33	31	27	21	
7.5	10	4		64	54	51	48	44	41	36	27	
9.3	12.5	5		80	68	64	60	55	52	45	34	
11	15	6		96	81	77	72	66	62	54	41	
13	17.5	7		112	95	90	84	77	72	63	48	
15	20	8		128	108	102	96	88	82	72	55	
16.7	22.5	9		144	122	115	108	99	93	81	62	
18.5	25	10		160	135	128	120	110	103	90	69	
20.5	27.5	11		176	149	141	132	121	113	99	76	
22	30	12		192	162	154	144	132	124	108	82	



* In DSM6 7.5 HP Motor is also available with DOL or star delta connection.

DSP6MFH

— Mixed Flow
— High Head

SUBMERSIBLE PUMP SET (Suitable for **150mm 6"** Bore Well)

Approx performance chart at 2880 RPM, 350 to 420 V (T.P.), 160 to 230 V (S.P.) up to 10.0HP, 50Hz AC Supply

DSP6MFH30

Motor Rating		STAGE	Outlet size 75mm (3")				50Hz				
kW	HP		Discharge								
			m³/h	0	24.6	34.8	48.6	54.0	61.2	69.6	75.0
Ips	lps	lpm	0	6.83	9.67	13.50	15.00	17.00	19.30	20.80	
4.5	6	2	36	31	28	24	22	19	15	12	
7.5	10	3	54	47	42	36	33	29	23	18	
9.3	12.5	4	72	62	56	48	44	38	30	24	
11	15	5	90	78	70	60	55	48	38	30	
13	17.5	6	108	93	84	72	66	58	45	36	
15	20	7	126	109	98	84	77	67	53	42	
18.5	25	8	144	124	112	96	88	77	60	48	
20.5	27.5	9	162	140	126	108	99	86	68	54	
22	30	10	180	155	140	120	110	96	75	60	



* In DSM6 7.5 HP Motor is also available with DOL or star delta connection.

SUBMERSIBLE PUMP SET (Suitable for **200mm 8"** Bore Well)

Approx performance chart at 2880 RPM, 350 to 420 V (T.P.), 50Hz AC Supply

DSP8RF25

Motor Rating		STAGE	Outlet size 75mm (3")				50Hz					
kW	HP		Discharge									
			m³/h	0	16.2	20.4	24	28.2	31.2	33.6	36	
			lps	0	4.5	5.7	6.7	7.8	8.7	9.3	10.0	
7.5	10	4	lpm	0	270	340	400	470	520	560	600	
9.3	12.5	5		85	78	75	71	64	51	40	30	
11	15	6		107	98	94	89	80	64	50	37	
13	17.5	7		128	118	113	107	96	77	60	44	
15	20	8		149	137	132	125	112	90	70	52	
16.7	22.5	9		170	157	150	142	128	102	80	59	
18.5	25	10		192	176	169	160	144	115	90	67	
20.5	27.5	11		213	196	188	178	160	128	100	74	
22	30	12		234	216	207	196	176	141	110	81	
26	35	14		256	235	226	214	192	154	120	89	
30	40	16		298	274	263	249	224	179	140	104	
33.5	45	18		341	314	301	285	256	205	160	118	
37	50	20		383	353	338	320	288	230	180	133	
				426	392	376	356	320	256	200	148	

DSP8RF30

Motor Rating		STAGE	Outlet size 75mm (3")				50Hz					
kW	HP		Discharge									
			m³/h	0	17.4	22.8	28.8	31.8	34.5	37.2	40.2	
			lps	0	4.8	6.3	8.0	8.8	9.6	10.3	11.2	
7.5	10	3	lpm	0	290	380	480	530	575	620	670	
9.3	12.5	4		66	61	59	55	51	46	40	33	
11	15	5		88	82	79	73	68	61	53	44	
13	17.5	6		110	102	99	92	85	76	66	55	
15	20	7		132	122	119	110	102	91	79	66	
18.5	25	8		154	143	139	128	119	106	92	77	
20	27.5	9		176	163	158	146	136	122	106	88	
22	30	10		198	184	178	165	153	137	119	99	
22	30	11		220	204	198	183	170	152	132	110	
26	35	12		242	224	218	201	187	167	145	121	
30	40	13		264	245	238	220	204	182	158	132	
30	40	14		286	265	257	238	221	198	172	143	
33.5	45	15		308	286	277	256	238	213	185	154	
33.5	45	16		330	306	297	275	255	228	198	165	
37	50	16		352	326	317	293	272	243	211	176	
37	50	17		352	326	317	293	272	243	211	176	
41	55	18		374	347	337	311	289	258	224	187	
45	60	19		396	367	356	329	306	274	238	198	
45	60	20		418	388	376	348	323	289	251	209	
45	60	21		440	408	396	366	340	304	264	220	
				462	428	416	384	357	319	277	231	



DSP8RF

Radial Flow

SUBMERSIBLE PUMP SET (Suitable for **200mm 8"** Bore Well)

Approx performance chart at 2880 RPM, 350 to 420 V (T.P.), 50Hz AC Supply

DSP8RF35

Motor Rating		STAGE	Outlet size 75mm (3")				50Hz					
kW	HP		Discharge									
			m³/h	0	29	32	35	36	39	42	45	
			lps	0	8.2	9.0	9.7	10.0	10.9	11.6	12.4	
7.5	10	3	lpm	0	490	540	580	600	655	695	745	
11.0	15	4		66	55	53	52	51	48	45	42	
13.0	17.5	5		88	73	71	69	68	64	60	56	
15.0	20	6		110	91	89	86	85	80	75	70	
18.5	25	7		132	110	107	104	102	96	90	84	
20.5	27.5	8		154	128	124	121	119	111	106	98	
22.0	30	9		176	146	142	138	136	127	121	112	
26.0	35	10		198	164	160	155	153	143	136	126	
30.0	40	11		220	183	178	173	170	159	151	140	
30.0	40	12		242	201	195	190	187	175	166	154	
33.5	45	14		264	219	213	207	204	191	181	168	
37.0	50	15		308	256	249	242	238	223	211	196	
41.0	55	16		330	274	266	259	255	239	226	210	
45.0	60	17		352	292	284	276	272	255	241	224	
45.0	60	18		374	310	302	293	288	271	256	238	
				396	329	320	311	305	287	271	252	



DSP8RF

Radial Flow

SUBMERSIBLE PUMP SET (Suitable for **200mm 8"** Bore Well)

Approx performance chart at 2880 RPM, 350 to 420 V (T.P.), 50Hz AC Supply

DSP8RF40

Motor Rating		STAGE	Outlet size 75mm (3")					50Hz		
kW	HP		Discharge							
			m³/h	0	22.8	30.6	36	42	45	
			lps	0	6.3	8.5	10.0	11.7	12.5	
9.3	12.5	3	lpm	0	380	510	600	700	750	
11	15	4		68	62	58	55	51	48	
15	20	5		90	82	77	73	68	64	
18.5	25	6		113	103	97	91	85	81	
22	30	7		135	123	116	109	102	97	
22	30	8		158	144	135	127	119	113	
26	35	9		180	164	154	146	136	129	
30	40	10		203	185	174	164	153	145	
30	40	11		225	205	193	182	170	161	
33.5	45	11		248	226	212	200	187	177	
33.5	45	12		248	226	212	200	187	177	
37	50	12		270	246	232	218	204	193	
37	50	13		270	246	232	218	204	193	
41	55	14		293	267	251	237	221	209	
45	60	15		315	287	270	255	238	225	
45	60	16		338	308	290	273	255	242	
55	75	18		360	328	309	291	272	258	
55	75	19		405	369	347	328	306	290	
				428	390	367	346	323	306	
								276	253	

DSP8RF50

Motor Rating		STAGE	Outlet size 75mm (3")					50Hz		
kW	HP		Discharge							
			m³/h	0	33	39	45	54	57	
			lps	0	9.2	10.8	12.5	15.0	15.8	
7.5	10	2	lpm	0	550	650	750	900	950	
11	15	3		46	41	40	38	34	32	
15	20	4		69	61	59	56	51	48	
18.5	25	5		92	82	79	75	68	64	
22	30	6		115	102	99	94	85	80	
26	35	7		138	122	119	113	102	96	
30	40	8		161	143	139	132	119	112	
33.5	45	9		184	163	158	150	136	128	
37	50	10		207	184	178	169	153	144	
41	55	11		230	204	198	188	170	160	
45	60	12		253	224	218	207	187	176	
45	60	13		276	245	238	226	204	192	
55	75	15		299	265	257	244	221	208	
63	85	17		345	306	297	282	255	240	
				391	347	337	320	289	272	
								255	238	



DSP8MFS

Mixed Flow

SUBMERSIBLE PUMP SET (Suitable for **200mm 8"** Bore Well)

Approx performance chart at 2880 RPM, 350 to 420 V (T.P.), 50Hz AC Supply

DSP8MFS30

Motor Rating		STAGE	Outlet size 75mm (3")				50Hz				
			Discharge								
kW	HP	Head in Meters	m³/h	0	24	30	36	43.5	45.6	48	52.8
			lps	0	6.7	8.3	10.0	12.1	12.7	13.3	14.7
			lpm	0	400	500	600	725	760	800	880
7.5	10	3		54	47	44	42	39	38	36	33
9.3	12.5	4		72	62	59	56	52	50	48	44
11	15	5		90	78	74	70	65	63	60	55
13	17.5	6		108	93	89	84	78	75	72	66
15	20	7		126	109	103	98	91	88	84	77
18.5	25	8		144	124	118	112	104	100	96	88
18.5	25	9		162	140	133	126	117	113	108	99
22	30	10		180	155	148	140	130	125	120	110
22	30	11		198	171	162	154	143	138	132	121
26	35	12		216	186	177	168	156	150	144	132
30	40	14		252	217	207	196	182	175	168	154
33.5	45	15		270	233	221	210	195	188	180	165

DSP8MFS40

Motor Rating		STAGE	Outlet size 75mm (3")				50Hz				
			Discharge								
kW	HP	Head in Meters	m³/h	0	39	45	49.2	55	60	69	75
			lps	0	10.8	12.5	13.7	15.2	16.7	19.2	20.8
			lpm	0	650	750	820	910	1000	1150	1250
9.3	12.5	3		63	49	47	44	42	39	34	30
11	15	4		84	65	62	59	56	52	45	40
15	20	5		105	81	78	74	70	65	56	50
18.5	25	6		126	98	93	89	84	78	68	60
18.5	25	7		147	114	109	103	98	91	79	70
22	30	7		147	114	109	103	98	91	79	70
22	30	8		168	130	124	118	112	104	90	80
26	35	9		189	146	140	133	126	117	101	90
30	40	10		210	163	155	148	140	130	113	100
33.5	45	11		231	179	171	162	154	143	124	110
33.5	45	12		252	195	186	177	168	156	135	120
37	50	12		252	195	186	177	168	156	135	120
37	50	13		273	211	202	192	182	169	146	130
41	55	14		294	228	217	207	196	182	158	140
45	60	15		315	244	233	221	210	195	169	150

*Available outlet sizes DSP8MFS30 & DSP8MFS40 - 100mm (4") in all models



DSP8MFS

Mixed Flow

SUBMERSIBLE PUMP SET (Suitable for **200mm 8"** Bore Well)

Approx performance chart at 2880 RPM, 350 to 420 V (T.P.), 50Hz AC Supply

DSP8MFS50

Motor Rating		STAGE	Outlet size 100mm (4")					50Hz			
			Discharge								
kW	HP	STAGE	m³/h	0	41.4	51	58.2	66	72.6	78	85.2
			lps	0	11.5	14.2	16.2	18.3	20.2	21.7	23.7
			lpm	0	690	850	970	1100	1210	1300	1420
7.5	10	2	Head in Meters	46	39	36	33	30	27	24	20
11	15	3		69	59	54	50	45	40	36	30
15	20	4		92	78	72	67	60	53	48	40
18.5	25	5		115	98	90	84	75	66	60	50
22	30	6		138	117	108	100	90	80	72	60
26	35	7		161	137	126	117	105	93	84	70
30	40	8		184	156	144	134	120	106	96	80
33.5	45	9		207	176	162	150	135	119	108	90
37	50	10		230	195	180	167	150	133	120	100
37	50	11		253	215	198	184	165	146	132	110
41	55	11		253	215	198	184	165	146	132	110
45	60	12		276	234	216	200	180	159	144	120
45	60	13		299	254	234	217	195	172	156	130
55	75	15		345	293	270	251	225	199	180	150

DSP8MFS60

Motor Rating		STAGE	Outlet size 100mm (4")					50Hz			
			Discharge								
kW	HP	STAGE	m³/h	0	46.8	63	72	79.2	84	91.2	96
			lps	0	13.0	17.5	20.0	22.0	23.3	25.3	26.7
			lpm	0	780	1050	1200	1320	1400	1520	1600
9.3	12.5	2	Head in Meters	46	40	36	33	30	28	25	22
13	17.5	3		69	60	54	50	45	42	38	33
18.5	25	4		92	80	72	66	60	56	50	44
22	30	5		115	100	90	83	75	70	63	55
26	35	6		138	120	108	99	90	84	75	66
30	40	7		161	140	126	116	105	98	88	77
37	50	8		184	160	144	132	120	112	100	88
41	55	9		207	180	162	149	135	126	113	99
45	60	10		230	200	180	165	150	140	125	110
55	75	12		276	240	216	198	180	168	150	132
63	85	14		322	280	252	231	210	196	175	154
63	85	15		345	300	270	248	225	210	188	165



*Available outlet sizes DSP8MFS50, DSP8MFS60 & DSP8MFS70 - 75mm (3") in all models

DSP8MFS

Mixed Flow

SUBMERSIBLE PUMP SET (Suitable for **200mm 8"** Bore Well)

Approx performance chart at 2880 RPM, 350 to 420 V (T.P.), 50Hz AC Supply

DSP8MFS70

Motor Rating		STAGE	Outlet size 100mm (4")				50Hz				
			Discharge								
kW	HP	Head in Meters	m³/h	0	52.2	63	81.6	91.2	99	108	114
			lps	0	14.5	17.5	22.7	25.3	27.5	30.0	31.7
			lpm	0	870	1050	1360	1520	1650	1800	1900
11	15	2	47	40	38	33	30	28	24	20	
15	20	3	71	60	56	50	45	41	36	30	
22	30	4	94	80	75	66	60	55	48	40	
26	35	5	118	100	94	83	75	69	60	50	
30	40	6	141	120	113	99	90	83	72	60	
37	50	7	165	140	132	116	105	97	84	70	
41	55	8	188	160	150	132	120	110	96	80	
45	60	9	212	180	169	149	135	124	108	90	
55	75	11	259	220	207	182	165	152	132	110	
63	85	12	282	240	226	198	180	166	144	120	
63	85	13	306	260	244	215	195	179	156	130	



DSP8MFM

Mixed Flow

SUBMERSIBLE PUMP SET (Suitable for **200mm 8"** Bore Well)

Approx performance chart at 2880 RPM, 350 to 420 V (T.P.), 50Hz AC Supply

DSP8MFM40

Motor Rating		STAGE	Outlet size 100mm (4")				50Hz			
			Discharge							
m³/h	0	36	48	54	60	75	81	87		
lps	0	10.0	13.3	15.0	16.7	20.8	22.5	24.2		
lpm	0	600	800	900	1000	1250	1350	1450		
9.3	12.5	3	65	53	48	45	42	36	33	30
11	15	4	86	70	64	60	56	48	44	40
15	20	5	108	88	80	75	70	60	55	50
18.5	25	6	129	105	96	90	84	72	66	60
22	30	7	151	123	112	105	98	84	77	70
22	30	8	172	140	128	120	112	96	88	80
26	35	8	172	140	128	120	112	96	88	80
26	35	9	194	158	144	135	126	108	99	90
30	40	10	215	175	160	150	140	120	110	100
33.5	45	11	237	193	176	165	154	132	121	110
37	50	12	258	210	192	180	168	144	132	120
41	55	14	301	245	224	210	196	168	154	140
45	60	15	323	263	240	225	210	180	165	150

DSP8MFM50

Motor Rating		STAGE	Outlet size 100mm (4")				50Hz			
			Discharge							
m³/h	0	42	54	62.4	69	80.4	87.6	96		
lps	0	11.7	15.0	17.3	19.2	22.3	24.3	26.7		
lpm	0	700	900	1040	1150	1340	1460	1600		
7.5	10	2	44	36	34	32	30	27	25	22
11	15	3	66	54	51	48	45	41	38	33
15	20	4	88	72	68	64	60	54	50	44
18.5	25	5	110	90	85	80	75	68	63	55
22	30	6	132	108	102	96	90	81	75	66
26	35	7	154	126	119	112	105	95	88	77
30	40	8	176	144	136	128	120	108	100	88
33.5	45	9	198	162	153	144	135	122	113	99
37	50	10	220	180	170	160	150	135	125	110
37	50	11	242	198	187	176	165	149	138	121
41	55	11	242	198	187	176	165	149	138	121
45	60	12	264	216	204	192	180	162	150	132
45	60	13	286	234	221	208	195	176	163	143
55	75	15	330	270	255	240	225	203	188	165

*Available outlet size 125mm (5") in all 8MFM models



DSP8MFM

Mixed Flow

SUBMERSIBLE PUMP SET (Suitable for **200mm 8"** Bore Well)

Approx performance chart at 2880 RPM, 350 to 420 V (T.P.), 50Hz AC Supply

DSP8MFM60

Motor Rating		STAGE	Outlet size 100mm (4")				50Hz			
			Discharge							
kW	HP	STAGE	m³/h	0	57	63	75	81.6	91.8	106.2
			lps	0	15.8	17.5	20.8	22.7	25.5	27.5
			lpm	0	950	1050	1250	1360	1530	1650
9.3	12.5	2		47	36	34	32	30	27	24
13	17.5	3		71	54	51	48	45	41	36
18.5	25	4		94	72	68	64	60	54	48
22	30	5		118	90	85	80	75	68	60
26	35	6		141	108	102	96	90	81	72
30	40	7		165	126	119	112	105	95	84
37	50	8		188	144	136	128	120	108	96
41	55	9		212	162	153	144	135	122	108
45	60	10		235	180	170	160	150	135	120
55	75	12		282	216	204	192	180	162	144
63	85	14		329	252	238	224	210	189	168
63	85	15		353	270	255	240	225	203	180
										158

DSP8MFM70

Motor Rating		STAGE	Outlet size 100mm (4")				50Hz			
			Discharge							
kW	HP	STAGE	m³/h	0	61.2	70.8	78.6	87	91.8	102
			lps	0	17.0	19.7	21.8	24.2	25.5	28.3
			lpm	0	1020	1180	1310	1450	1530	1700
11	15	2		50	41	39	37	34	32	29
15	20	3		75	62	59	56	51	48	44
22	30	4		100	82	78	74	68	64	58
26	35	5		125	103	98	93	85	80	73
30	40	6		150	123	117	111	102	96	87
33.5	45	6		150	123	117	111	102	96	87
37	50	7		175	144	137	130	119	112	102
41	55	8		200	164	156	148	136	128	116
45	60	9		225	185	176	167	153	144	131
55	75	11		275	226	215	204	187	176	160
63	85	12		300	246	234	222	204	192	174
63	85	13		325	267	254	241	221	208	189
										150



DSP8MFM

Mixed Flow

SUBMERSIBLE PUMP SET (Suitable for **200mm 8"** Bore Well)

Approx performance chart at 2880 RPM, 350 to 420 V (T.P.), 50Hz AC Supply

DSP8MFM80

Motor Rating		STAGE	Outlet size 100mm (4")				50Hz					
			Discharge									
kW	HP		m³/h	0	63	76.8	85.2	93	97.8	118.2	129	
			lps	0	17.5	21.3	23.7	25.8	27.2	32.8	35.8	
			lpm	0	1050	1280	1420	1550	1630	1970	2150	
11	15	2	Head in Meters	53	42	39	36	34	32	26	21	
18.5	25	3		80	63	59	55	51	48	39	32	
26	35	4		106	84	78	73	68	64	52	42	
30	40	5		133	105	98	91	85	80	65	53	
37	50	6		159	126	117	109	102	96	78	63	
41	55	7		186	147	137	127	119	112	91	74	
45	60	8		212	168	156	146	136	128	104	84	
63	85	11		292	231	215	200	187	176	143	116	

DSP8MFM90

Motor Rating		STAGE	Outlet size 100mm (4")				50Hz					
			Discharge									
kW	HP		m³/h	0	81	89	96	108	126	135	147	
			lps	0	22.5	24.6	26.7	30.0	35.0	37.5	40.8	
			lpm	0	1350	1475	1600	1800	2100	2250	2450	
13	17.5	2	Head in Meters	54	42	40	38	34	28	24	19	
20	27.5	3		81	62	60	57	51	42	36	29	
26	35	4		108	83	80	76	68	56	48	38	
33.5	45	5		135	104	100	95	85	70	60	48	
41	55	6		162	125	120	114	102	84	72	57	
45	60	7		189	146	140	133	119	98	84	67	
63	85	10		270	208	200	190	170	140	120	95	

DSP8MFM100

Motor Rating		STAGE	Outlet size 100mm (4")				50Hz					
			Discharge									
kW	HP		m³/h	0	91.2	97.8	106.8	114	124.8	138	150	
			lps	0	25.3	27.2	29.7	31.7	34.7	38.3	41.7	
			lpm	0	1520	1630	1780	1900	2080	2300	2500	
7.5	10	1	Head in Meters	26	20	20	19	18	17	14	8	
15	20	2		51	40	39	38	36	34	28	16	
22	30	3		77	61	59	56	54	50	42	24	
30	40	4		102	81	78	75	72	67	56	32	
37	50	5		128	101	98	94	90	84	70	40	
45	60	6		154	121	118	113	108	101	84	48	
63	85	9		230	182	176	169	162	151	126	72	





Smart Pumping Solution

Note

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IS 8034:2002
CML:7862089



IS 9283:2013
CML:7909392



IS 14220:1994
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