

## 4SD 4

### Applications

For water supply from wells or reservoirs.  
For domestic use, for civil and industrial applications.  
For garden use and irrigation.

### Operating conditions

Maximum fluid temperature up to +35 °C .  
Maximum sand content : 0.25%.  
Maximum immersion :80m.  
Minimum well diameter : 4".

### Motor and Pump

Rewindable motor or Full obturated screen motor  
**Three-phase:** 380V - 415V /50Hz  
**Single-phase:** 220V - 240V /50Hz  
Equip with start control box or digital auto-control box  
Pumps are designed by casing stressed  
**NEMA** dimension standards  
Curve tolerance according to ISO 9906

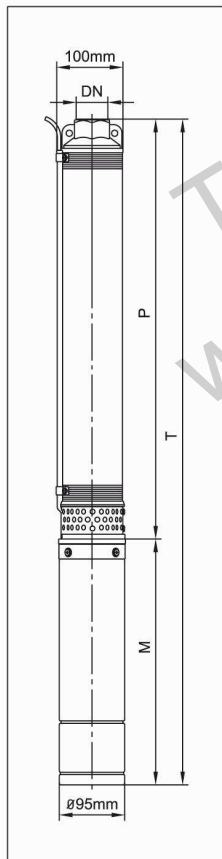
### Options on request

Special mechanical seal  
Other voltages or frequency 60 Hz  
Single phase motor with built-in capacitor

### Warranty: 1 year

(according to our general sales conditions).

Components	Material
Pump external casing	AISI 304 SS
Delivery casing	①Cast-Cu ASTM C85500 ②AISI 304 SS
Suction lantern	①Cast-Cu ASTM C85500 ②AISI 304 SS
Diffuser	Plastic.PC
Impeller	Plastic.POM
Shaft	①AISI 316 SS ②AISI 304 SS
Shaft coupling	①AISI 316 SS ②AISI 304 SS
Wear ring	AISI 304 SS & Ceramic
Motor external casing	AISI 304 SS
Top cover	①Cast-Cu ASTM C85500 ②AISI 403 SS ③Cast-iron ASTM N0.30
Bottom support	AISI 304 SS
Mechanical seal	Special seal for deep well(Graphite-Ceramic/TC)
Shaft	AISI 303 SS-ASTM 1045 / 5140
Bearing	NSK
Seal lubricant oil	Oil for food machinery and pharmaceutic use.



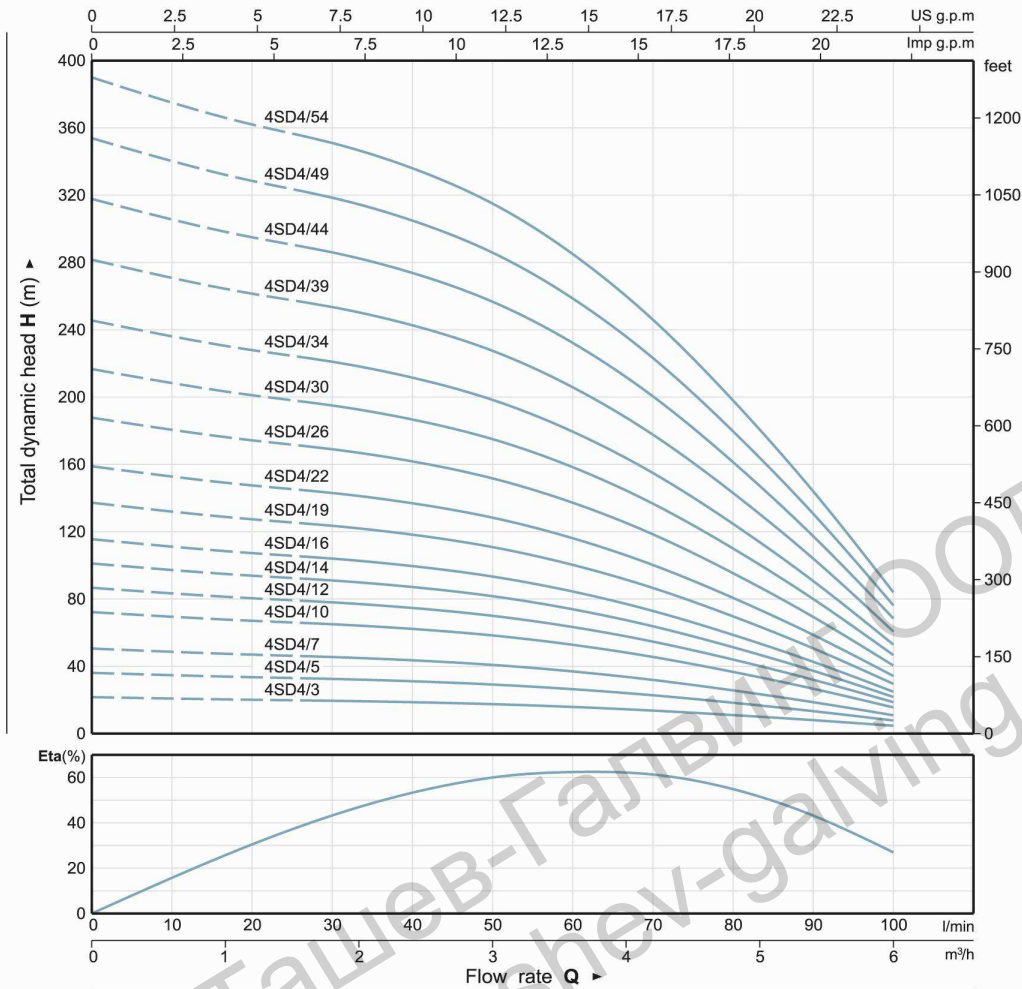
### 4SDM4/3

impeller's number  
capacity (m<sup>3</sup>/h)  
single phase  
(three phase with no M marked)  
pump name  
well ø4"

MODEL		DN	DIMENSIONS(mm)					WEIGHT(kg)				
1~ 220V/240V	3~ 380V/415V		P	M(s)	M(T)	T(s)	T(T)	P	M(s)	M(T)	T(s)	T(T)
4SDM4/3	4SD4/3	1¼"/1½"/2"	309	265	265	574	574	2.7	5.9	5.9	8.6	8.6
4SDM4/4	4SD4/4	1¼"/1½"/2"	338	275	275	613	613	3.0	6.4	6.4	9.4	9.4
4SDM4/5	4SD4/5	1¼"/1½"/2"	367	285	275	652	642	3.3	6.9	6.4	10.2	9.7
4SDM4/6	4SD4/6	1¼"/1½"/2"	396	285	285	681	681	3.5	6.9	6.9	10.4	10.4
4SDM4/7	4SD4/7	1¼"/1½"/2"	425	300	285	725	710	3.8	7.7	6.9	11.5	10.7
4SDM4/8	4SD4/8	1¼"/1½"/2"	453	300	300	753	753	4.1	7.7	7.7	11.8	11.8
4SDM4/10	4SD4/10	1¼"/1½"/2"	511	325	300	836	811	4.6	8.9	7.7	13.5	12.3
4SDM4/12	4SD4/12	1¼"/1½"/2"	569	325	325	894	894	5.2	8.9	8.9	14.1	14.1
4SDM4/14	4SD4/14	1¼"/1½"/2"	626	360	325	986	951	5.7	10.7	8.9	16.4	14.6
4SDM4/16	4SD4/16	1¼"/1½"/2"	684	360	360	1044	1044	6.3	10.7	10.7	17.0	17.0
4SDM4/19	4SD4/19	1¼"/1½"/2"	770	390	360	1160	1130	7.1	12.2	10.7	19.3	17.8
4SDM4/22	4SD4/22	1¼"/1½"/2"	888	440	390	1328	1278	7.9	13.9	12.2	21.8	20.1
4SDM4/26	4SD4/26	1¼"/1½"/2"	1003	470	440	1473	1443	9.0	15.4	13.9	24.4	22.9
-	4SD4/30	1¼"/1½"/2"	1143	-	475	-	1618	10.1	-	15.4	-	25.5
-	4SD4/34	1¼"/1½"/2"	1258	-	505	-	1763	11.1	-	16.9	-	28.0
-	4SD4/39	1¼"/1½"/2"	1402	-	535	-	1937	12.5	-	18.4	-	30.9
-	4SD4/44	1¼"/1½"/2"	1577	-	565	-	2142	13.8	-	19.9	-	33.7
-	4SD4/49	1¼"/1½"/2"	1721	-	595	-	2316	15.2	-	21.4	-	36.6
-	4SD4/54	1¼"/1½"/2"	1865	-	625	-	2490	16.6	-	22.9	-	39.5

• In the list: M(s) is single phase motor, M(T) is three phase motor.  
• In the list: T(s) is single phase motor, T(m) is three phase motor.

4"



PERFORMANCE DATA 50Hz

MODEL		P <sub>2</sub>		DELIVERY												
1 ~ 220V/240V	3 ~ 380V/415V	KW	HP	n=2850 1/min												
				Q	0	0.6	1.2	1.8	2.4	3.0	3.6	4.2	4.8	5.4	6.0	
					0	10	20	30	40	50	60	70	80	90	100	
4SDM4/3	4SD4/3	0.25	0.33	H(m)	22	21	20	19	19	17	16	14	11	8	5	
4SDM4/4	4SD4/4	0.37	0.5		29	28	27	26	25	23	21	18	15	11	6	
4SDM4/5	4SD4/5	0.37	0.5		36	35	34	32	31	29	26	23	18	13	8	
4SDM4/6	4SD4/6	0.55	0.75		43	42	40	39	37	35	32	27	22	16	9	
4SDM4/7	4SD4/7	0.55	0.75		51	49	47	45	44	41	37	32	26	19	11	
4SDM4/8	4SD4/8	0.75	1		58	56	54	52	50	47	42	36	29	21	12	
4SDM4/10	4SD4/10	0.75	1		72	69	67	65	62	58	53	46	37	27	16	
4SDM4/12	4SD4/12	1.1	1.5		87	83	80	78	75	70	63	55	44	32	19	
4SDM4/14	4SD4/14	1.1	1.5		101	97	94	91	87	82	74	64	51	37	22	
4SDM4/16	4SD4/16	1.5	2		116	111	107	104	100	93	84	73	59	43	25	
4SDM4/19	4SD4/19	1.5	2		137	132	127	124	118	111	100	87	70	51	30	
4SDM4/22	4SD4/22	2.2	3		159	153	147	143	137	128	116	100	81	59	34	
4SDM4/26	4SD4/26	2.2	3		188	181	174	169	162	152	137	118	95	69	40	
-	4SD4/30	3	4		217	208	201	195	187	175	158	137	110	80	47	
-	4SD4/34	3	4		246	236	228	221	212	198	179	155	125	91	53	
-	4SD4/39	4	5.5		282	271	261	254	243	228	206	178	143	104	61	
-	4SD4/44	4	5.5	318	306	295	286	274	257	232	200	161	117	68		
-	4SD4/49	5.5	7.5	354	340	328	319	305	286	259	223	180	131	76		
-	4SD4/54	5.5	7.5	390	375	362	351	336	315	285	246	198	144	84		