

4SD/4SE/4SS/4SA

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%
Minimum well diameter: 4"

Motor and Pump

Reversible motor
Single-phase: 220 - 240V/50Hz
Three-phase: 380 - 415V/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 60Hz
Single phase motor with built-in capacitor

Warranty: 2 years

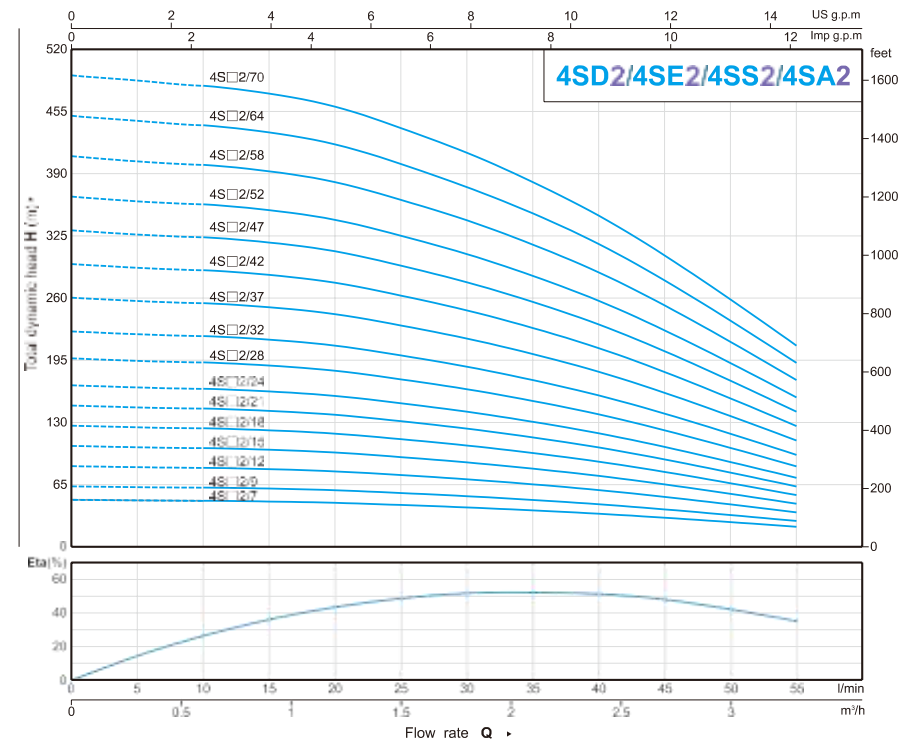
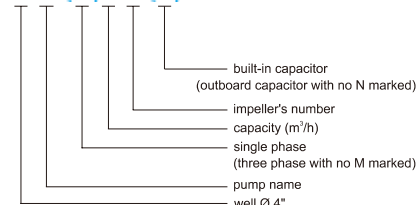
(according to our general sales conditions)



4SD 4SE 4SS 4SA

Components	Material
Pump external casing	AISI 304 SS
Delivery casing	① Cast Cu ASTM C85500 ② AISI 304 SS
Suction lantern	① Cast Cu ASTM C85500 ② AISI 304 SS
Diffuser	Plastic/PC
Impeller	Plastic/PC
Shaft	AISI 304 SS
Shaft coupling	AISI 304 SS
Washer	AISI 304 SS
Motor external casing	AISI 304 SS
Top shield	① Cast Cu ASTM C85500 ② AISI 420 SS
Bottom support	AISI 304 SS
Mechanical seal	Special seal for deep well (Greinide-Ceramic)
Shaft	AISI 304 SS ASTM 5140
Bearing	NSK
Seal lubricant oil	Oil for food machinery and pharmaceuticals

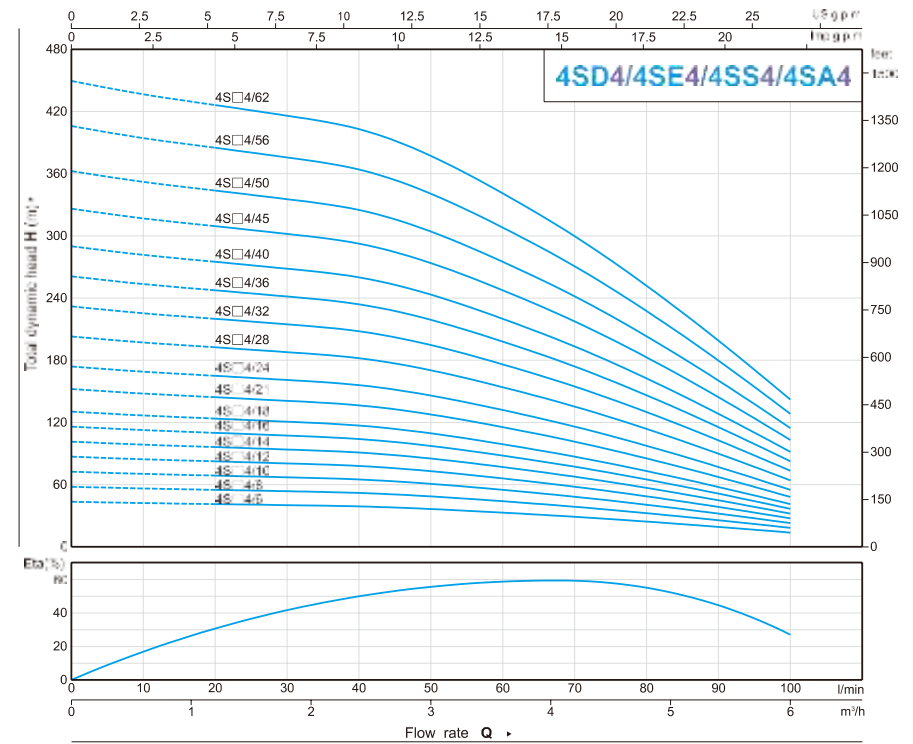
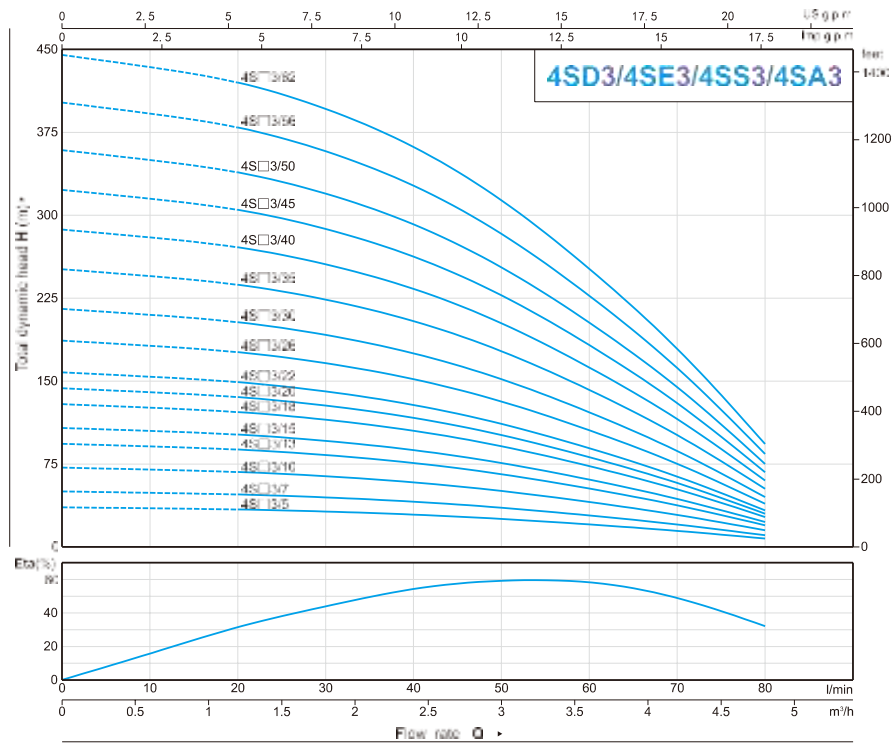
4 SD(M)2/7 (N)



PERFORMANCE DATA 50Hz

MODEL		P ₂		DELIVERY n=2850 1/min													
1~	3~	kW	HP	Q	m³/h												
220 - 240V	380 - 415V				0	0.3	0.6	0.9	1.2	1.5	1.8	2.1	2.4	2.7	3.0	3.3	
4SDM2/7	4SD2/7	0.25	0.33	0	49	49	48	47	46	44	41	38	35	30	26	21	
4SDM2/9	4SD2/9	0.37	0.5	0	63	62	62	61	59	56	53	49	44	39	33	27	
4SDM2/12	4SD2/12	0.55	0.75	0	84	83	82	81	79	76	70	65	59	52	44	36	
4SDM2/15	4SD2/15	0.75	1	0	105	104	103	101	98	94	88	82	74	65	55	45	
4SDM2/18	4SD2/18	0.92	1.25	0	127	125	124	122	118	112	106	98	89	78	66	54	
4SDM2/21	4SD2/21	1.1	1.5	0	148	146	144	142	138	131	123	114	104	91	77	63	
4SDM2/24	4SD2/24	1.3	1.75	0	169	167	165	162	157	150	141	131	119	104	88	72	
4SDM2/28	4SD2/28	1.5	2	0	197	194	192	189	184	175	164	152	138	122	103	84	
4SDM2/32	4SD2/32	1.8	2.5	0	225	222	220	216	210	200	188	174	158	139	118	96	
4SDM2/37	4SD2/37	2.2	3	0	260	257	254	250	243	231	217	201	183	161	136	111	
4SDM2/42	4SD2/42	2.6	3.5	0	295	292	289	284	275	262	247	229	208	182	155	128	
-	4SD2/47	3	4	0	330	326	323	318	308	293	276	256	232	204	173	141	
-	4SD2/52	3.7	5	0	365	361	357	351	341	325	305	283	257	226	192	156	
-	4SD2/58	4	5.5	0	400	400	399	392	380	362	341	318	287	252	214	174	
-	4SD2/64	5	7	0	450	444	440	433	420	400	376	348	316	278	236	182	
-	4SD2/70	5.5	7.5	0	492	486	481	473	458	437	411	381	346	304	258	210	

*4SD 1~220V, 3~380V, 4SD2/7~4SD2/42, 4SE, 4SS, 4SA



PERFORMANCE DATA 50Hz

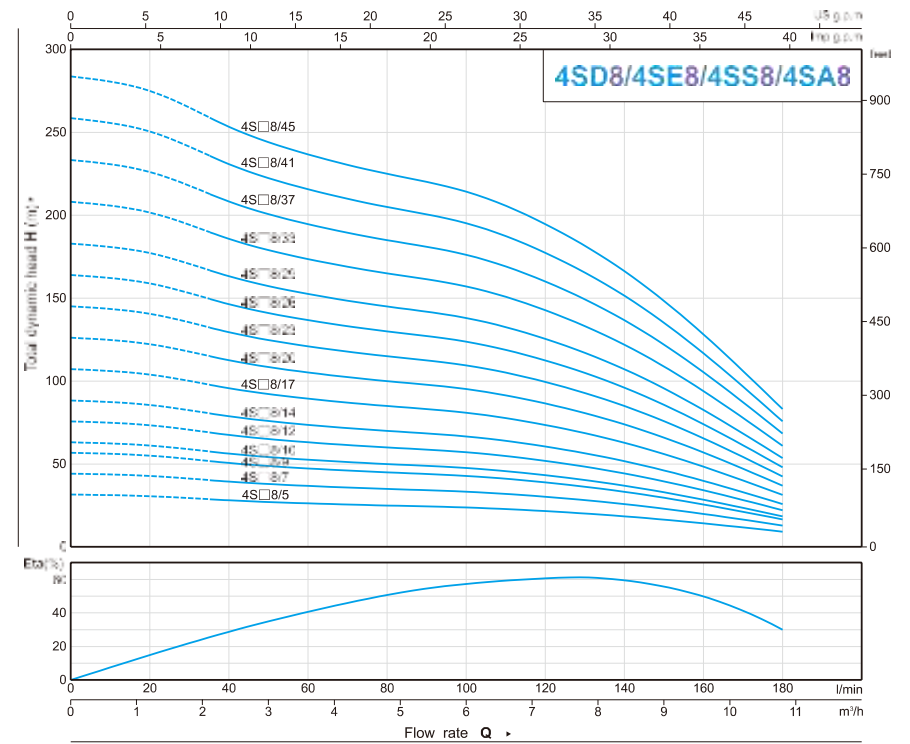
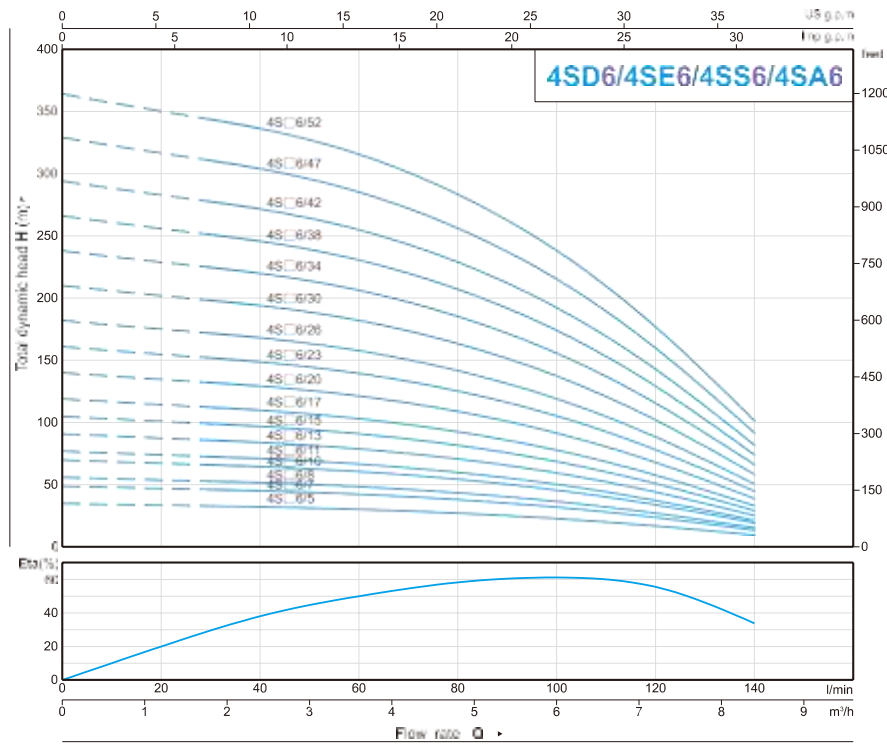
MODEL		P ₂		DELIVERY n=2850 1/min																				
1~ 220 - 240V	3~ 380 - 415V	kW	HP	Q m³/h l/min	0	0.6	1.2	1.8	2.4	3.0	3.6	4.2	4.8	H _(m)										
					0	10	20	30	40	50	60	70	80	0	10	20	30	40	50	60	70	80	90	100
4S□M3/5	4S□3/5	0.25	0.33	36	36	34	32	29	26	20	14	7	44	42	41	40	39	36	33	29	24	19	14	
4S□M3/7	4S□3/7	0.37	0.5	50	48	47	45	41	36	28	20	10	58	56	55	54	52	49	44	39	33	26	18	
4S□M3/10	4S□3/10	0.55	0.75	72	70	68	64	58	50	40	29	15	73	70	69	67	65	61	55	48	41	32	23	
4S□M3/13	4S□3/13	0.75	1	93	91	88	83	76	66	53	38	19	87	84	82	81	78	73	66	58	49	39	27	
4S□M3/15	4S□3/15	0.92	1.25	108	105	102	96	88	78	61	45	22	102	98	96	94	91	85	77	68	57	45	32	
4S□M3/18	4S□3/18	1.1	1.5	129	126	122	115	105	91	73	52	27	116	113	110	107	104	97	88	77	65	51	37	
4S□M3/20	4S□3/20	1.3	1.75	144	140	135	128	117	101	81	58	30	131	127	124	121	117	109	99	87	73	58	41	
4S□M3/22	4S□3/22	1.5	2	158	154	149	141	128	111	89	64	33	152	148	144	141	136	128	115	102	85	67	48	
4S□M3/26	4S□3/26	1.9	2.5	187	182	176	168	152	131	105	75	39	174	169	165	161	156	146	132	116	98	77	55	
4S□M3/30	4S□3/30	2.2	3	215	210	203	192	175	151	121	87	45	203	197	192	188	182	170	154	135	114	90	64	
4S□M3/35	4S□3/35	2.6	3.5	251	245	237	224	204	177	142	101	52	232	225	220	215	208	195	176	155	130	103	73	
-	4S□3/40	3	4	287	280	271	256	234	202	162	115	60	261	253	247	242	234	219	198	174	146	116	82	
-	4S□3/45	3.7	5	323	315	305	287	263	227	182	130	67	290	281	275	268	260	243	220	194	163	129	92	
-	4S□3/50	4	5.5	359	350	339	319	292	252	202	141	75	327	316	309	302	293	274	248	218	183	144	103	
-	4S□3/56	5	7	402	392	379	358	327	283	227	162	84	363	352	344	335	325	304	275	242	203	160	115	
-	4S□3/62	5.5	7.5	446	434	420	396	362	313	251	178	93	406	394	385	376	364	341	308	271	228	180	128	

*4S□ in the above table can be replaced by any of 4SD, 4SE, 4SS, 4SA

PERFORMANCE DATA 50Hz

MODEL		P ₂		DELIVERY n=2850 1/min																						
1~ 220 - 240V	3~ 380 - 415V	kW	HP	Q m³/h l/min	0	0.6	1.2	1.8	2.4	3.0	3.6	4.2	4.8	5.4	6.0	H _(m)										
					0	10	20	30	40	50	60	70	80	90	100	0	10	20	30	40	50	60	70	80	90	100
4S□M4/6	4S□4/6	0.37	0.5	44	42	41	40	39	36	33	29	24	19	14	10	58	56	55	54	52	49	44	39	33	26	18
4S□M4/8	4S□4/8	0.55	0.75	73	70	69	67	65	61	55	48	41	32	23	17	87	84	82	81	78	73	66	58	49	39	27
4S□M4/10	4S□4/10	0.75	1	102	98	96	94	91	85	77	68	57	45	32	24	116	113	110	107	104	97	88	77	65	51	37
4S□M4/12	4S□4/12	0.92	1.25	131	127	124	121	117	109	99	87	73	58	41	30	152	148	144	141	136	128	115	102	85	67	48
4S□M4/14	4S□4/14	1.1	1.5	174	169	165	161	156	146	132	116	98	77	55	40	203	197	192	188	182	170	154	135	114	90	64
4S□M4/16	4S□4/16	1.3	1.75	232	225	220	215	208	195	176	155	130	103	73	53	261	253	247	242	234	219	198	174	146	116	82
4S□M4/18	4S□4/18	1.5	2	290	281	275	268	260	243	220	194	163	129	92	67	327	316	309	302	293	274	248	218	183	144	103
4S□M4/21	4S□4/21	1.9	2.5	363	352	344	335	325	304	275	242	203	160	115	82	406	394	385	376	364	341	308	271	228	180	128
4S□M4/24	4S□4/24	2.2	3	450	436	426	416	403	377	341	300	252	199	142	103	-	-	-	-	-	-	-	-	-	-	-
-	4S□4/32	3	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	4S□4/36	3.7	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	4S□4/40	4	5.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	4S□4/45	5	7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	4S□4/50	5.5	7.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	4S□4/56	7	10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	4S□4/62	7.5	10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

*4S□ in the above table can be replaced by any of 4SD, 4SE, 4SS, 4SA



PERFORMANCE DATA 50Hz

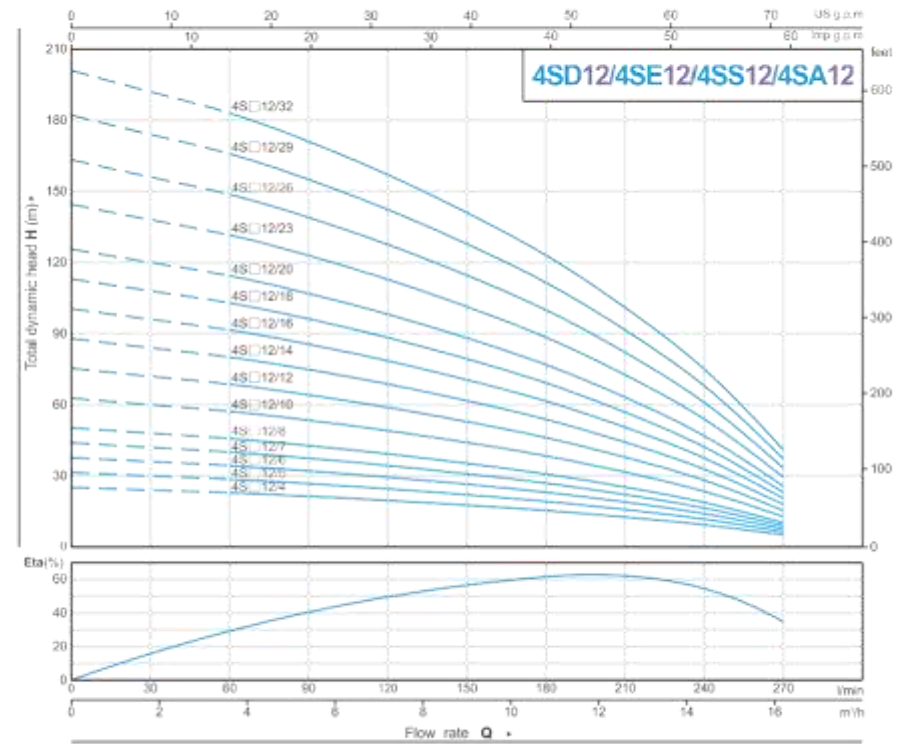
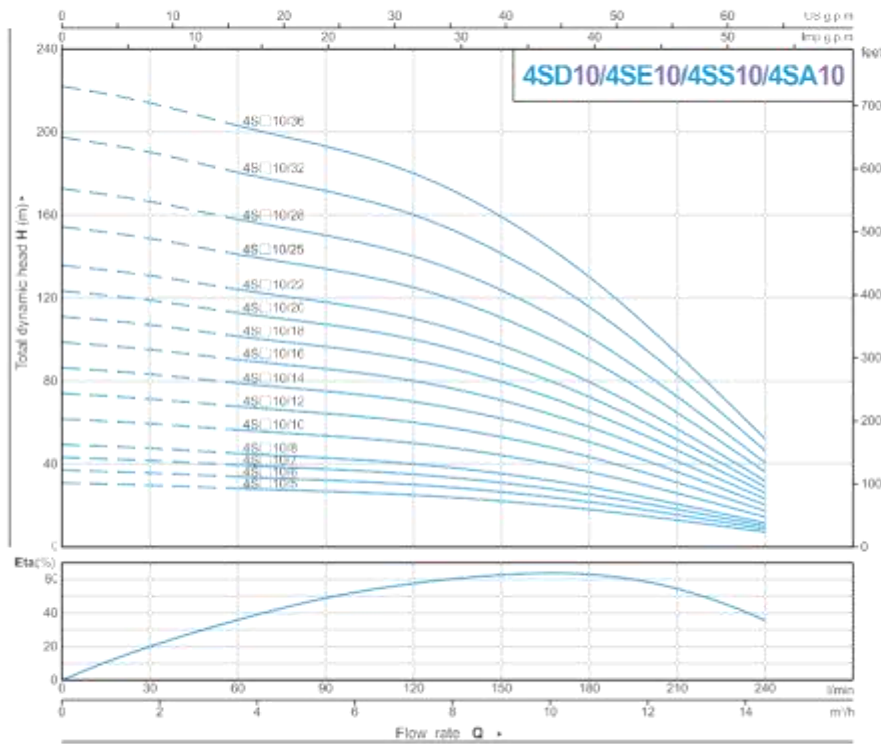
MODEL		P ₂		DELIVERY n=2850 1/min															
1~ 220 - 240V	3~ 380 - 415V	kW	HP	Q m³/h	0	1.2	2.4	3.6	4.8	6.0	7.2	8.4							
				Q l/min	0	20	40	60	80	100	120	140							
4S M6/5	4S I6/5	0.37	0.5	H _{tot}	35	34	32	30	27	23	17	10							
4S M6/7	4S I6/7	0.55	0.75		49	47	45	42	38	31	24	14							
4S M6/8	4S I6/8	0.75	1		56	54	52	48	44	36	27	16							
4S M6/10	4S I6/10	0.92	1.25		70	67	65	61	54	45	34	19							
4S M6/11	4S I6/11	1.1	1.5		77	74	71	67	60	49	37	21							
4S M6/13	4S I6/13	1.3	1.75		91	88	84	79	71	58	44	25							
4S M6/15	4S I6/15	1.5	2		105	101	97	91	82	67	51	29							
4S M6/17	4S I6/17	1.8	2.5		119	114	110	103	93	76	59	33							
4S M6/20	4S I6/20	2.2	3		140	135	129	121	109	90	68	39							
4S M6/23	4S I6/23	2.6	3.5		161	155	149	139	125	103	78	45							
-	4S I6/26	3	4		182	175	168	158	142	117	89	50							
-	4S I6/30	3.7	5		210	202	194	182	163	134	102	58							
-	4S I6/34	4	5.5		238	229	220	206	185	152	116	66							
-	4S I6/38	5	7		266	256	246	230	207	170	129	74							
-	4S I6/42	5.5	7.5		294	283	271	254	229	180	143	82							
-	4S I6/47	7	10		329	316	304	285	256	211	160	91							
-	4S I6/52	7.5	10	364	350	336	315	283	233	177	101								

*4S□ in the above table can be replaced by any of 48D, 48E, 48S, 48A

PERFORMANCE DATA 50Hz

MODEL		P ₂		DELIVERY n=2850 1/min													
1~ 220 - 240V	3~ 380 - 415V	kW	HP	Q m³/h	0	1.2	2.4	3.6	4.8	6.0	7.2	8.4	9.6	10.8			
				Q l/min	0	20	40	60	80	100	120	140	160	180			
4S M8/5	4S I8/5	0.55	0.75	H _{tot}	32	31	28	26	25	24	22	18	14	9			
4S M8/7	4S I8/7	0.75	1		44	43	38	37	35	33	30	26	20	13			
4S M8/8	4S I8/8	0.92	1.25		50	48	45	42	40	38	35	30	23	15			
4S M8/9	4S I8/9	1.1	1.5		57	56	51	47	45	43	39	33	26	17			
4S M8/10	4S I8/10	1.3	1.75		63	61	56	53	50	48	43	37	29	18			
4S M8/12	4S I8/12	1.5	2		76	73	67	63	60	57	52	45	36	22			
4S M8/14	4S I8/14	1.8	2.5		88	86	79	74	70	67	61	52	40	26			
4S M8/17	4S I8/17	2.2	3		107	104	96	90	86	81	74	63	48	31			
4S M8/20	4S I8/20	2.6	3.5		128	122	112	105	100	95	87	74	57	37			
-	4S I8/23	3	4		145	141	129	121	115	109	100	85	65	42			
-	4S I8/26	3.7	5		164	158	146	137	130	124	113	96	74	48			
-	4S I8/29	4	5.5		183	177	163	153	146	138	126	107	82	53			
-	4S I8/33	5	7		208	202	188	174	165	157	143	122	94	61			
-	4S I8/37	5.5	7.5		234	228	209	195	185	178	160	138	105	68			
-	4S I8/41	7	10		258	251	231	216	205	195	178	151	117	76			
-	4S I8/45	7.5	10		284	275	253	237	225	214	195	166	128	83			

*4S□ in the above table can be replaced by any of 48D, 48E, 48S, 48A



PERFORMANCE DATA 50Hz

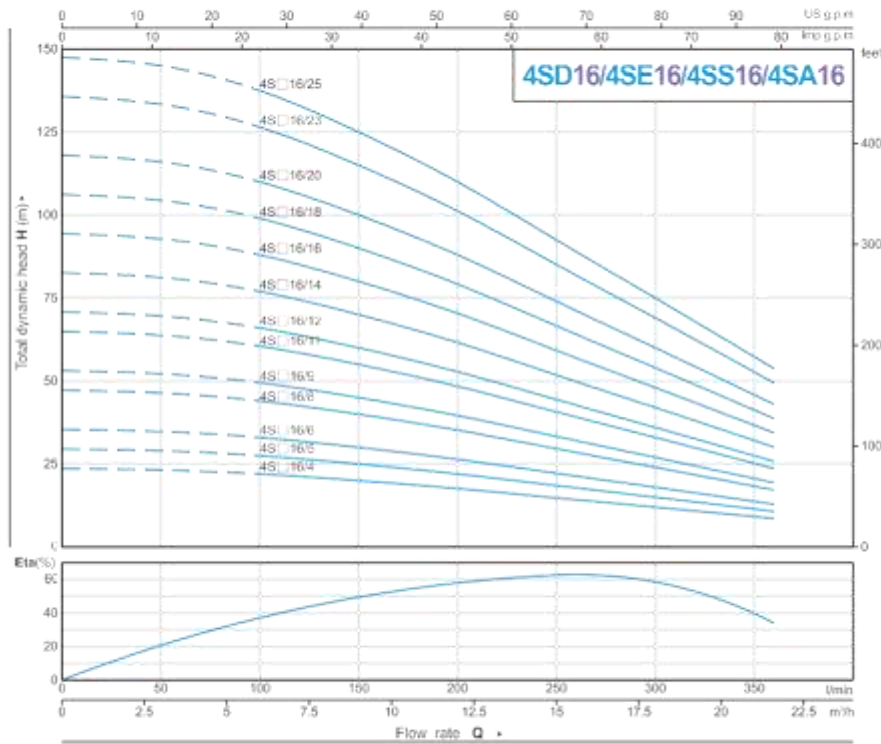
MODEL		P ₂		DELIVERY n=2850 1/min										
1- 220 - 240V	3- 380 - 415V	kW	HP	Q	0	1.8	3.6	5.4	7.2	9.0	10.8	12.6	14.4	
				H(m)	0	30	60	90	120	150	180	210	240	
4S M10/5	4S 10/5	0.75	1		31	30	28	27	25	22	18	13	7	
4S M10/6	4S 10/6	0.92	1.25		37	36	34	32	30	26	22	15	9	
4S M10/7	4S 10/7	1.1	1.5		43	42	39	38	36	31	25	18	10	
4S M10/8	4S 10/8	1.3	1.75		49	48	45	43	40	35	29	21	12	
4S M10/10	4S 10/10	1.5	2		62	59	56	54	50	44	36	26	14	
4S M10/12	4S 10/12	1.8	2.5		74	71	68	64	60	53	43	31	17	
4S M10/14	4S 10/14	2.2	3		86	83	79	75	70	62	51	36	20	
4S M10/16	4S 10/16	2.6	3.5		99	95	90	86	80	71	58	41	23	
-	4S 10/18	3	4		111	107	101	96	90	79	65	46	26	
-	4S 10/20	3.7	5		123	119	113	107	100	88	72	52	29	
-	4S 10/22	4	5.5		136	131	124	118	110	97	79	57	32	
-	4S 10/25	5	7		154	149	141	134	125	110	90	65	36	
-	4S 10/28	5.5	7.5	173	166	158	150	140	124	101	72	40		
-	4S 10/32	7	10	197	190	180	172	160	141	118	83	46		
-	4S 10/36	7.5	10	222	214	203	193	180	159	130	93	52		

• 4S... in the above table can be replaced by any of 4SD, 4SE, 4SS, 4SA

PERFORMANCE DATA 50Hz

MODEL		P ₂		DELIVERY n=2850 1/min										
1- 220 - 240V	3- 380 - 415V	kW	HP	Q	0	1.8	3.6	5.4	7.2	9.0	10.8	12.6	14.4	16.2
				H(m)	0	30	60	90	120	150	180	210	240	270
4S M12/4	4S 12/4	0.75	1		25	24	23	21	20	18	15	13	9	5
4S M12/5	4S 12/5	0.92	1.25		31	30	29	27	25	22	19	16	12	6
4S M12/6	4S 12/6	1.1	1.5		38	36	34	32	29	26	23	19	14	8
4S M12/7	4S 12/7	1.3	1.75		44	42	40	37	34	31	27	22	16	9
4S M12/8	4S 12/8	1.5	2		50	48	46	43	39	35	31	25	19	10
4S M12/10	4S 12/10	1.8	2.5		63	60	57	53	49	44	38	32	23	13
4S M12/12	4S 12/12	2.2	3		75	72	69	64	59	53	46	38	28	15
4S M12/14	4S 12/14	2.6	3.5		88	84	80	75	69	62	54	44	33	18
-	4S 12/16	3	4		101	96	92	86	79	71	62	51	38	21
-	4S 12/18	3.7	5		113	108	103	96	88	79	69	57	42	23
-	4S 12/20	4	5.5		126	120	114	107	98	88	77	63	47	26
-	4S 12/23	5	7		144	138	132	123	113	101	88	73	54	29
-	4S 12/26	5.5	7.5	163	156	149	139	128	115	100	82	61	33	
-	4S 12/29	7	10	182	174	166	155	142	128	111	92	68	37	
-	4S 12/32	7.5	10	201	192	183	171	157	141	123	101	75	41	

• 4S... in the above table can be replaced by any of 4SD, 4SE, 4SS, 4SA

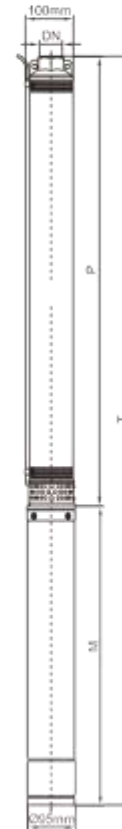


PERFORMANCE DATA 50Hz

MODEL		P ₂		DELIVERY n=2850 1/min								
1~ 220-240V	3~ 390-415V	kW	HP	Q m³/h	6	9	12	15	18	21		
				l/min	0	50	100	150	200	250	300	350
4S M16/4	4S 16/4	1.1	1.5	H(m)	24	23	22	20	18	15	12	9
4S M16/5	4S 16/5	1.3	1.75		30	29	28	25	22	19	15	11
4S M16/6	4S 16/6	1.5	2		36	35	33	30	26	22	18	13
4S M16/8	4S 16/8	1.8	2.5		47	46	44	40	35	30	24	17
4S M16/9	4S 16/9	2.2	3		53	52	50	45	40	33	27	19
4S M16/11	4S 16/11	2.6	3.5		65	64	61	55	48	41	33	24
-	4S 16/12	3	4		71	70	66	60	53	45	36	26
-	4S 16/14	3.7	5		83	81	77	70	62	52	42	30
-	4S 16/16	4	5.5		95	93	88	80	70	60	48	35
-	4S 16/18	5	7		107	104	99	90	79	67	54	39
-	4S 16/20	5.5	7.5		118	116	110	100	88	74	60	43
-	4S 16/23	7	10		136	133	127	115	101	86	69	50
-	4S 16/25	7.5	10		148	145	138	125	110	93	75	54

• 4S... in the above table can be replaced by any of 4SD, 4SE, 4SS, 4SA

DIMENSIONS AND WEIGHTS



		DN		WEIGHT(kg)							
		M(s)	M(t)	T(s)	T(t)	M(s)	M(t)	T(s)	T(t)		
4S M2/7	4S 2/7	392	296	296	691	691	3.3	5.5	5.8	8.8	9.1
4S M2/9	4S 2/9	440	314	314	754	754	3.8	6.7	6.7	10.5	10.5
4S M2/12	4S 2/12	514	325	325	843	843	4.6	7.3	7.3	11.9	11.9
4S M2/15	4S 2/15	587	356	344	946	931	5.2	8.7	8.0	13.9	13.2
4S M2/18	4S 2/18	660	375	375	1039	1039	6.0	9.8	9.8	15.8	15.8
4S M2/21	4S 2/21	765	395	375	1164	1144	6.7	10.6	9.8	17.3	16.5
4S M2/24	4S 2/24	838	424	424	1262	1262	7.5	11.7	11.7	19.2	19.2
4S M2/28	4S 2/28	906	445	424	1385	1360	8.4	12.9	11.7	21.3	20.1
4S M2/32	4S 2/32	1033	514	514	1547	1547	9.4	15.7	15.7	25.1	25.1
4S M2/37	4S 2/37	1155	554	514	1709	1669	10.7	17.7	15.7	28.4	26.4
4S M2/42	4S 2/42	1305	594	554	1903	1863	11.9	19.8	17.7	31.7	29.6
-	4S 2/47	1431	-	594	-	2025	13.1	-	19.8	-	32.9
-	4S 2/52	1553	-	625	-	2162	14.3	-	21.4	-	35.7
-	4S 2/58	1699	-	665	-	2368	15.8	-	23.7	-	39.5
-	4S 2/64	1845	-	705	-	2554	17.3	-	25.5	-	42.8
-	4S 2/70	2023	-	788	-	2791	19.9	-	28.0	-	46.8
4S M3/5	4S 3/5	355	296	296	854	854	2.8	5.5	5.8	8.1	8.6
4S M3/7	4S 3/7	409	314	314	723	723	3.4	6.7	6.7	10.1	10.1
4S M3/10	4S 3/10	490	325	325	814	819	4.1	7.3	7.3	11.4	11.4
4S M3/13	4S 3/13	571	355	344	930	915	4.9	8.7	8.0	13.6	12.9
4S M3/15	4S 3/15	624	375	375	1003	1003	5.4	9.8	9.8	15.2	15.2
4S M3/18	4S 3/18	737	395	375	1136	1116	6.2	10.6	9.8	16.8	16.0
4S M3/20	4S 3/20	790	424	424	1214	1214	6.7	11.7	11.7	18.4	18.4
4S M3/22	4S 3/22	844	445	424	1293	1268	7.3	12.9	11.7	20.2	19.0
4S M3/26	4S 3/26	982	502	514	1454	1468	8.3	15.7	15.7	24.0	24.0
4S M3/30	4S 3/30	1059	542	514	1601	1573	9.3	17.7	15.7	27.0	25.0
4S M3/35	4S 3/35	1194	594	554	1865	1748	10.6	19.8	17.7	30.4	28.3
-	4S 3/40	1360	-	594	-	1954	11.9	-	19.8	-	31.7
-	4S 3/45	1494	-	658	-	2152	13.2	-	21.4	-	34.6
-	4S 3/50	1629	-	698	-	2327	14.5	-	23.7	-	38.2
-	4S 3/56	1758	-	738	-	2528	16.1	-	25.5	-	41.6
-	4S 3/62	1983	-	788	-	2771	17.8	-	28.0	-	45.6
4S M4/6	4S 4/6	395	314	314	710	710	3.2	6.7	6.7	9.9	9.9
4S M4/8	4S 4/8	454	325	325	793	793	3.7	7.3	7.3	11.0	11.0
4S M4/10	4S 4/10	513	356	344	877	867	4.3	8.7	8.0	13.0	12.3
4S M4/12	4S 4/12	571	375	375	950	950	4.8	9.8	9.8	14.6	14.6
4S M4/14	4S 4/14	630	395	375	1029	1006	5.3	10.6	9.8	15.9	15.1
4S M4/16	4S 4/16	688	424	424	1112	1112	5.9	11.7	11.7	17.6	17.6
4S M4/18	4S 4/18	778	445	424	1227	1205	6.4	12.9	11.7	19.3	18.4
4S M4/21	4S 4/21	868	502	514	1368	1368	7.2	15.7	15.7	22.0	22.0
4S M4/24	4S 4/24	952	542	514	1494	1460	8.1	17.7	15.7	25.8	23.8
4S M4/28	4S 4/28	1070	594	554	1654	1624	9.1	19.8	17.7	28.9	26.9
-	4S 4/32	1187	-	654	-	1784	10.2	-	19.8	-	30.0
-	4S 4/36	1305	-	698	-	1903	11.3	-	21.4	-	32.7
-	4S 4/40	1452	-	698	-	2152	12.4	-	23.7	-	36.4
-	4S 4/45	1598	-	738	-	2336	13.7	-	25.5	-	39.2
-	4S 4/50	1744	-	788	-	2532	15.1	-	28.0	-	43.4
-	4S 4/56	1951	-	848	-	2792	16.7	-	30.0	-	46.7
-	4S 4/62	2126	-	908	-	3034	18.4	-	34.0	-	52.4

• M(s) is single phase motor, M(t) is three phase motor
 • T(s) is single phase motor, T(t) is three phase motor

4QA/4QJ

Champion

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%
 Minimum well diameter: 4"

Motor and Pump

Rewindable motor
Single-phase: 220 - 240V/50Hz
Three-phase: 380 - 415V/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 60Hz
 Single phase motor with built-in capacitor

Warranty: 2 years

(according to our general sales conditions)

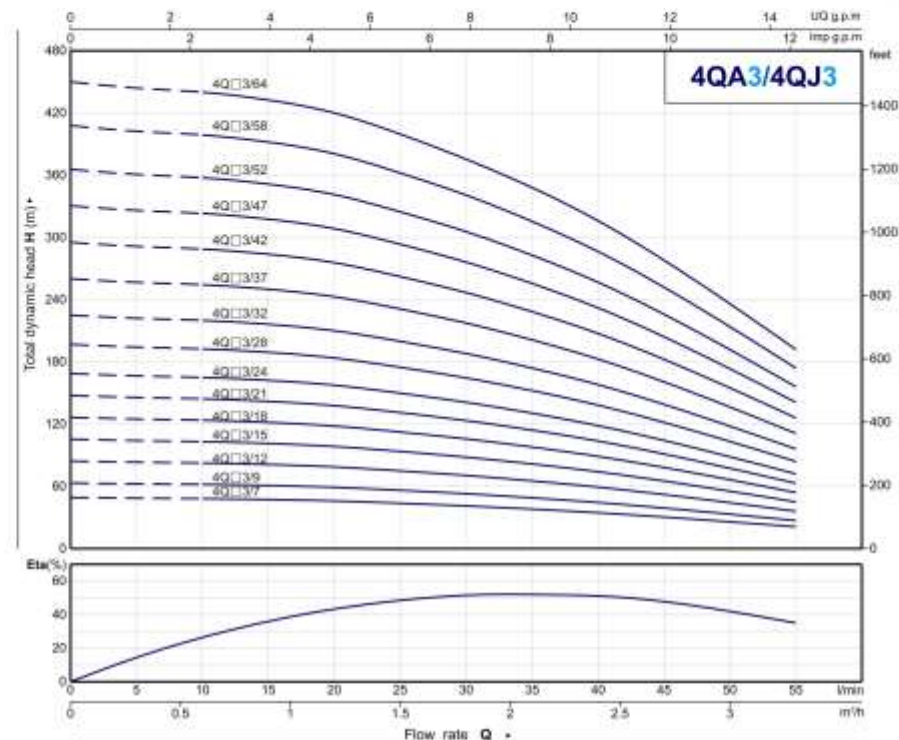
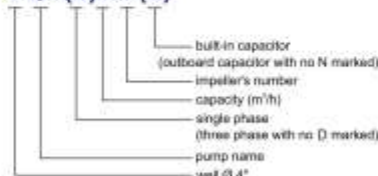


4QA

4QJ

Components	Material
Pump external casing	AISI 201 SS
Delivery casing	① Cast-iron ② Cast-Cu ASTM C8850 ③ AISI 304 SS
Suction lantern	① Cast-iron ② Cast-Cu ASTM C8850 ③ AISI 304 SS
Diffuser	Plastic-PC
Impeller	Plastic-POM
Shaft	AISI 410S
Shaft coupling	AISI 205 SS
Wear ring	AISI 201 SS
Motor external casing	AISI 201 SS
Top check	Cast-iron
Bottom support	AISI 430 SS
Mechanical seal	Special seal for deep well(Graphite-Ceramic)
Shaft	AISI 201 SS-ASTM 1045/S140
Bearing	CU
Seal lubricant oil	Oil for food machinery and pharmaceutical use

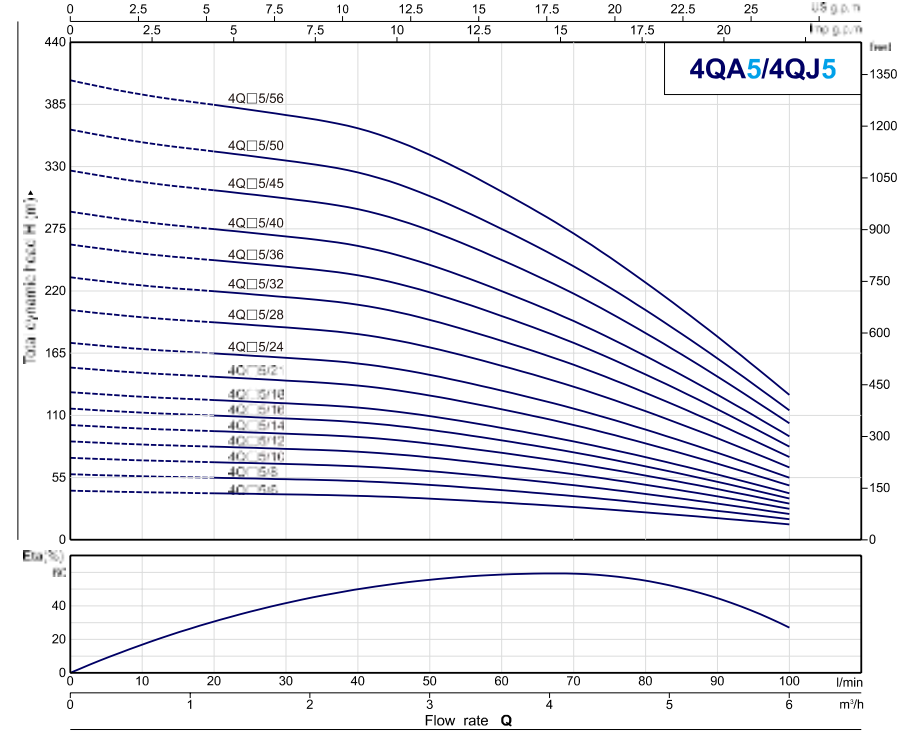
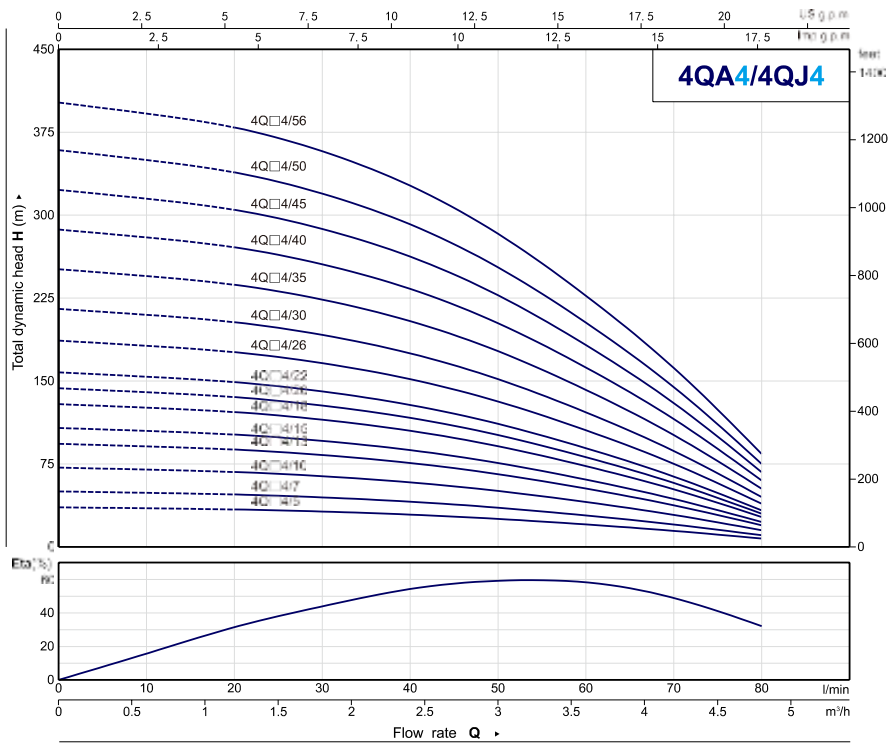
4 QA (D)3/5 (N)



PERFORMANCE DATA 50Hz

MODEL		P ₂		n ≈ 2850 1/min																							
1 - 220 - 240V	3 - 380 - 415V	kW	HP	Q	H (m)																						
					m ³ /h	0	0.3	0.6	0.9	1.2	1.5	1.8	2.1	2.4	2.7	3.0	3.3										
4Q□D3/7	4Q□3/7	0.37	0.5	0	5	10	15	20	25	30	35	40	45	50	55	49	49	48	47	46	44	41	38	35	30	28	21
4Q□D3/9	4Q□3/9	0.55	0.75	0	5	10	15	20	25	30	35	40	45	50	55	63	62	62	61	59	56	53	49	44	39	33	27
4Q□D3/12	4Q□3/12	0.75	1	0	5	10	15	20	25	30	35	40	45	50	55	84	83	82	81	79	75	70	65	59	52	44	36
4Q□D3/15	4Q□3/15	0.92	1.25	0	5	10	15	20	25	30	35	40	45	50	55	105	104	103	101	98	94	88	82	74	65	55	45
4Q□D3/18	4Q□3/18	1.1	1.5	0	5	10	15	20	25	30	35	40	45	50	55	127	125	124	122	118	112	106	98	89	78	66	54
4Q□D3/21	4Q□3/21	1.3	1.75	0	5	10	15	20	25	30	35	40	45	50	55	148	146	144	142	138	131	123	114	104	91	77	63
4Q□D3/24	4Q□3/24	1.5	2	0	5	10	15	20	25	30	35	40	45	50	55	169	167	165	162	157	150	141	131	119	104	88	72
4Q□D3/28	4Q□3/28	1.8	2.5	0	5	10	15	20	25	30	35	40	45	50	55	197	194	192	189	184	175	164	152	138	122	103	84
4Q□D3/32	4Q□3/32	2.2	3	0	5	10	15	20	25	30	35	40	45	50	55	225	222	220	216	210	200	188	174	158	139	118	96
4Q□D3/37	4Q□3/37	2.6	3.5	0	5	10	15	20	25	30	35	40	45	50	55	260	257	254	250	243	231	217	201	183	161	136	111
4Q□D3/42	4Q□3/42	3	4	0	5	10	15	20	25	30	35	40	45	50	55	295	292	289	284	275	262	247	229	208	182	155	126
-	4Q□3/47	3.7	5	0	5	10	15	20	25	30	35	40	45	50	55	330	326	323	318	308	293	276	256	232	204	173	141
-	4Q□3/52	4	5.5	0	5	10	15	20	25	30	35	40	45	50	55	365	361	357	351	341	325	305	283	257	226	192	156
-	4Q□3/58	5	7	0	5	10	15	20	25	30	35	40	45	50	55	408	403	399	392	380	362	341	316	287	252	214	174
-	4Q□3/64	5.5	7.5	0	5	10	15	20	25	30	35	40	45	50	55	450	444	440	432	420	400	376	348	316	278	236	192

* 4Q□ in the above table can be replaced by any of 4QA,4QJ



PERFORMANCE DATA 50Hz

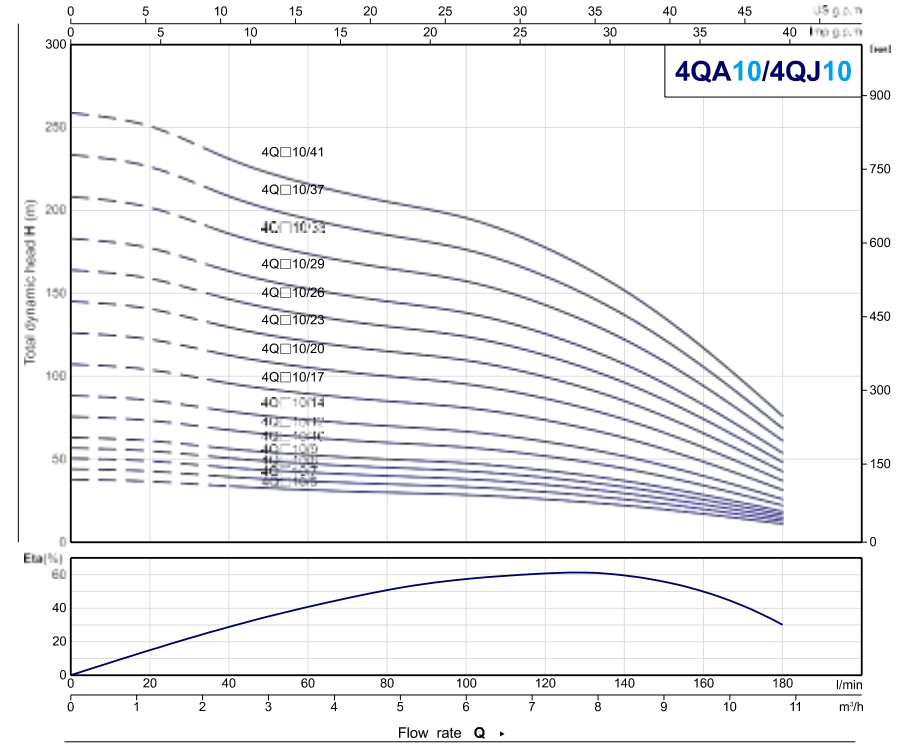
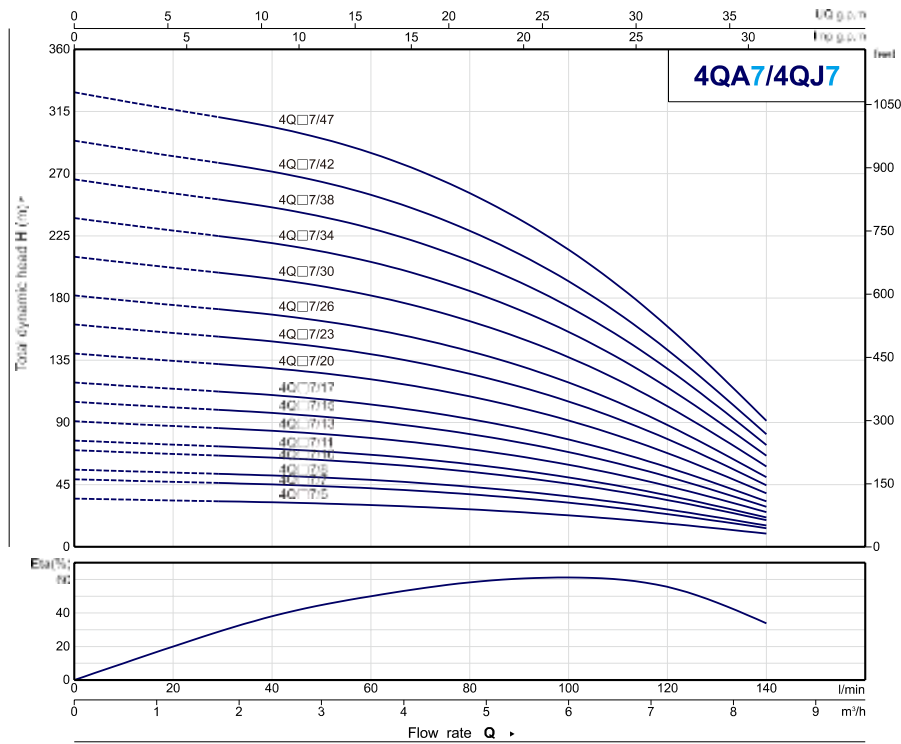
MODEL		P ₂		DELIVERY n ≈ 2850 1/min										
1 - 220 - 240V	3 - 380 - 415V	kW	HP	Q	H (m)									
					0	0.6	1.2	1.8	2.4	3.0	3.6	4.2	4.8	
4Q□D4/5	4Q□4/5	0.37	0.5	0	10	20	30	40	50	60	70	80		
4Q□D4/7	4Q□4/7	0.55	0.75	36	35	34	32	29	25	20	14	7		
4Q□D4/10	4Q□4/10	0.75	1	50	48	47	45	41	35	28	20	10		
4Q□D4/13	4Q□4/13	0.92	1.25	72	70	68	64	58	50	40	29	15		
4Q□D4/15	4Q□4/15	1.1	1.5	93	91	88	83	75	66	53	38	19		
4Q□D4/18	4Q□4/18	1.3	1.75	108	105	102	96	88	76	61	43	22		
4Q□D4/20	4Q□4/20	1.5	2	128	126	122	115	105	91	73	52	27		
4Q□D4/22	4Q□4/22	1.8	2.5	144	140	135	128	117	101	81	58	30		
4Q□D4/26	4Q□4/26	2.2	3	158	154	149	141	128	111	89	64	32		
4Q□D4/30	4Q□4/30	2.6	3.5	187	182	178	168	152	131	105	75	39		
4Q□D4/35	4Q□4/35	3	4	215	210	203	192	175	151	121	87	45		
-	4Q□4/40	3.7	5	251	245	237	224	204	177	142	101	52		
-	4Q□4/45	4	5.5	287	280	271	255	234	202	162	115	60		
-	4Q□4/50	5	7	322	315	305	287	263	227	182	130	67		
-	4Q□4/56	5.5	7.5	358	350	338	318	292	252	202	144	75		
-	4Q□4/63	6.5	9	402	392	378	358	327	283	227	162	84		

• 4Q□ in the above table can be replaced by any of 4QA, 4QJ

PERFORMANCE DATA 50Hz

MODEL		P ₂		DELIVERY n ≈ 2850 1/min														
1 - 220 - 240V	3 - 380 - 415V	kW	HP	Q	H (m)													
					0	0.6	1.2	1.8	2.4	3.0	3.6	4.2	4.8	5.4	6.0			
4Q□D5/6	4Q□5/6	0.55	0.75	0	10	20	30	40	50	60	70	80	90	100				
4Q□D5/8	4Q□5/8	0.75	1	44	42	41	40	38	35	33	29	24	18	14				
4Q□D5/10	4Q□5/10	0.92	1.25	58	56	55	54	52	48	44	38	33	26	19				
4Q□D5/12	4Q□5/12	1.1	1.5	73	70	68	67	65	61	56	48	41	32	23				
4Q□D5/14	4Q□5/14	1.3	1.75	87	84	82	81	78	73	66	58	49	39	27				
4Q□D5/16	4Q□5/16	1.5	2	102	98	96	94	91	85	77	68	57	45	32				
4Q□D5/18	4Q□5/18	1.8	2.5	118	113	110	107	104	97	88	77	65	51	37				
4Q□D5/20	4Q□5/20	2.2	3	131	127	124	121	117	109	99	87	73	58	41				
4Q□D5/24	4Q□5/24	2.6	3.5	152	148	144	141	138	128	115	102	86	67	48				
4Q□D5/28	4Q□5/28	3	4	174	169	165	161	158	148	132	116	98	77	55				
-	4Q□5/32	3.7	5	203	197	192	188	182	170	151	135	114	90	64				
-	4Q□5/36	4	5.5	232	225	220	215	208	195	176	156	130	103	73				
-	4Q□5/40	5	7	261	253	247	242	234	219	198	174	146	116	82				
-	4Q□5/45	5.5	7.5	290	281	275	268	260	243	220	194	163	129	92				
-	4Q□5/50	7	10	327	318	309	302	290	274	249	219	183	141	103				
-	4Q□5/56	7.5	10	363	352	344	335	325	304	275	242	203	160	115				
-	4Q□5/63	8.5	12	406	394	385	375	364	341	308	271	228	181	128				

• 4Q□ in the above table can be replaced by any of 4QA, 4QJ



PERFORMANCE DATA 50Hz

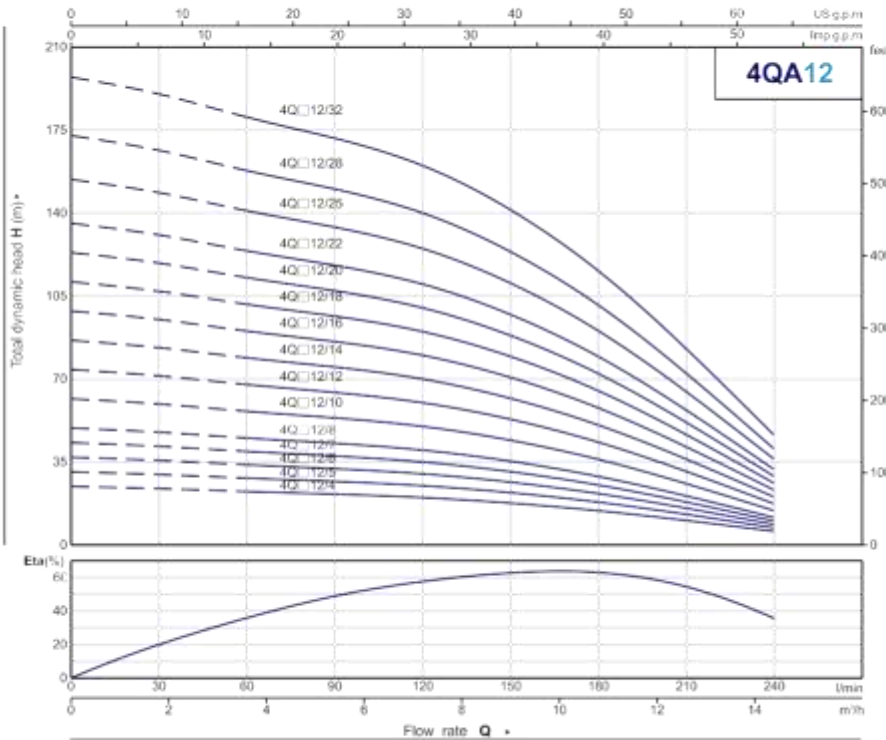
MODEL		P ₂		DELIVERY n ≈ 2850 1/min								
1 - 220 - 240V	3 - 380 - 415V	kW	HP	Q	0	1.2	2.4	3.6	4.8	6.0	7.2	8.4
				l/min	0	20	40	60	80	100	120	140
4Q□D7/5	4Q□7/5	0.55	0.75	H [m]	35	34	32	30	27	23	17	10
4Q□D7/7	4Q□7/7	0.75	1		49	47	45	42	38	31	24	14
4Q□D7/8	4Q□7/8	0.92	1.25		56	54	52	48	44	36	27	16
4Q□D7/10	4Q□7/10	1.1	1.5		70	67	65	61	54	45	34	18
4Q□D7/11	4Q□7/11	1.3	1.75		77	74	71	67	60	49	37	21
4Q□D7/13	4Q□7/13	1.5	2		91	88	84	79	71	58	44	25
4Q□D7/15	4Q□7/15	1.8	2.5		105	101	97	91	82	67	51	28
4Q□D7/17	4Q□7/17	2.2	3		119	114	110	103	93	76	58	33
4Q□D7/20	4Q□7/20	2.6	3.5		140	135	129	121	109	90	68	38
4Q□D7/23	4Q□7/23	3	4		161	155	149	139	125	103	78	45
-	4Q□7/26	3.7	5		182	175	168	158	142	117	88	50
-	4Q□7/30	4	5.5		210	202	194	182	163	134	102	58
-	4Q□7/34	5	7		238	229	220	206	185	152	115	66
-	4Q□7/38	5.5	7.5		268	258	248	230	207	170	129	74
-	4Q□7/42	7	10	294	283	271	254	228	188	143	82	
-	4Q□7/47	7.5	10	328	316	304	285	256	211	161	91	

• 4Q□ in the above table can be replaced by any of 4QA, 4QJ

PERFORMANCE DATA 50Hz

MODEL		P ₂		DELIVERY n ≈ 2850 1/min													
1 - 220 - 240V	3 - 380 - 415V	kW	HP	Q	0	1.2	2.4	3.6	4.8	6.0	7.2	8.4	9.6	10.8			
				l/min	0	20	40	60	80	100	120	140	160	180			
4Q□D10/5	4Q□10/5	0.75	1	H [m]	32	31	28	26	25	24	22	18	14	9			
4Q□D10/7	4Q□10/7	0.92	1.25		44	43	39	37	35	33	30	26	20	13			
4Q□D10/8	4Q□10/8	1.1	1.5		50	49	45	42	40	38	35	30	23	15			
4Q□D10/9	4Q□10/9	1.3	1.75		57	55	51	47	45	43	39	33	26	17			
4Q□D10/10	4Q□10/10	1.5	2		63	61	56	53	50	48	43	37	28	18			
4Q□D10/12	4Q□10/12	1.8	2.5		76	73	67	63	60	57	52	44	34	22			
4Q□D10/14	4Q□10/14	2.2	3		88	86	79	74	70	67	61	52	40	26			
4Q□D10/17	4Q□10/17	2.6	3.5		107	104	96	90	85	81	74	63	48	31			
4Q□D10/20	4Q□10/20	3	4		125	122	112	105	100	95	87	74	57	37			
-	4Q□10/23	3.7	5		145	141	129	121	115	109	100	85	65	42			
-	4Q□10/26	4	5.5		164	159	146	137	130	124	113	96	74	48			
-	4Q□10/29	5	7		183	177	163	153	145	138	126	107	82	53			
-	4Q□10/33	5.5	7.5		208	202	186	174	165	157	143	122	94	61			
-	4Q□10/37	7	10		234	226	208	195	185	176	160	136	105	68			
-	4Q□10/41	7.5	10	259	251	231	216	205	195	178	151	117	76				

• 4Q□ in the above table can be replaced by any of 4QA, 4QJ

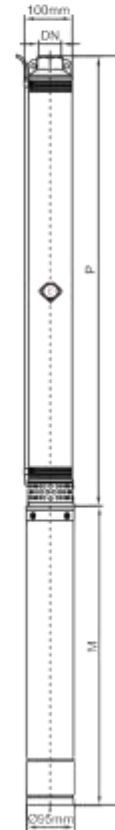


PERFORMANCE DATA 50Hz

MODEL		P ₂		DELIVERY n ≈ 2850 1/min										
1 - 220 - 240V	3 - 380 - 415V	kW	HP	Q m³/h										
				Q l/min	0	1.8	3.6	5.4	7.2	9.0	10.8	12.6	14.4	
					0	30	60	90	120	150	180	210	240	
4Q D12/5	4Q 12/5	0.75	1	H(m)	31	30	28	27	25	22	18	13	7	
4Q D12/6	4Q 12/6	0.92	1.25		37	36	34	32	30	26	22	15	9	
4Q D12/7	4Q 12/7	1.1	1.5		43	42	39	38	35	31	25	18	10	
4Q D12/8	4Q 12/8	1.3	1.75		49	48	45	43	40	35	29	21	12	
4Q D12/10	4Q 12/10	1.5	2		62	59	56	54	50	44	36	26	14	
4Q D12/12	4Q 12/12	1.8	2.5		74	71	68	64	60	53	43	31	17	
4Q D12/14	4Q 12/14	2.2	3		86	83	79	75	70	62	51	36	20	
4Q D12/16	4Q 12/16	2.6	3.5		99	95	90	86	80	71	58	41	23	
-	4Q 12/18	3	4		111	107	101	96	90	79	65	46	26	
-	4Q 12/20	3.7	5		123	119	113	107	100	88	72	52	29	
-	4Q 12/22	4	5.5		136	131	124	118	110	97	79	57	32	
-	4Q 12/25	5	7		154	149	141	134	125	110	90	65	36	
-	4Q 12/28	5.5	7.5		173	166	158	150	140	124	101	72	40	
-	4Q 12/32	7	10		197	190	180	172	160	141	116	83	46	
-	4Q 12/36	7.5	10		222	214	203	193	180	159	130	93	52	

• 4Q in the above table can be replaced by any of 4QA, 4QJ

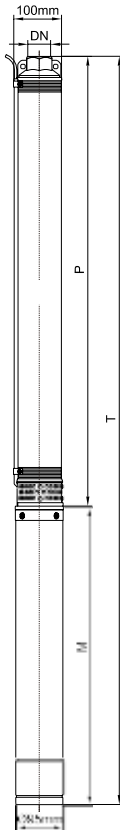
DIMENSIONS AND WEIGHTS



MODEL		DN	WEIGHTS(kg)									
1 - 220 - 240V	3 - 380 - 415V		M(s)	M(t)	T(s)	T(t)						
4Q D3/7	4Q 3/7	1 1/2" (1.5")	382	295	285	691	691	3.3	5.5	5.8	8.8	9.1
4Q D3/9	4Q 3/9	1 1/2" (1.5")	440	314	314	754	754	3.8	6.7	6.7	10.5	10.5
4Q D3/12	4Q 3/12	1 1/2" (1.5")	514	329	329	843	843	4.6	7.3	7.3	11.9	11.9
4Q D3/15	4Q 3/15	1 1/2" (1.5")	562	344	344	906	906	5.0	8.0	8.0	13.0	13.0
4Q D3/18	4Q 3/18	1 1/2" (1.5")	611	359	344	970	965	5.5	8.7	8.0	14.2	13.5
4Q D3/21	4Q 3/21	1 1/2" (1.5")	684	379	379	1063	1063	6.2	9.8	9.8	16.0	16.0
4Q D3/24	4Q 3/24	1 1/2" (1.5")	789	395	379	1188	1160	7.0	10.6	9.8	17.6	16.8
4Q D3/28	4Q 3/28	1 1/2" (1.5")	862	424	424	1286	1286	7.7	11.7	11.7	19.4	19.4
4Q D3/32	4Q 3/32	1 1/2" (1.5")	936	449	424	1385	1360	8.4	12.9	11.7	21.3	20.1
4Q D3/37	4Q 3/37	1 1/2" (1.5")	1082	502	514	1584	1596	9.7	15.7	15.7	25.4	25.4
4Q D3/42	4Q 3/42	1 1/2" (1.5")	1228	542	514	1770	1742	10.9	17.7	15.7	28.6	26.6
-	4Q 3/47	1 1/2" (1.5")	1406	594	554	2000	1960	12.4	19.8	17.7	32.2	30.1
-	4Q 3/52	1 1/2" (1.5")	1553	-	594	-	2147	13.9	-	19.8	-	33.7
-	4Q 3/58	1 1/2" (1.5")	1699	-	658	-	2357	15.8	-	21.4	-	37.2
-	4Q 3/64	1 1/2" (1.5")	1901	-	698	-	2596	17.5	-	23.7	-	41.2
4Q D4/5	4Q 4/5	2" (2.0")	395	299	299	654	654	2.8	5.5	5.8	8.3	8.6
4Q D4/7	4Q 4/7	2" (2.0")	409	314	314	723	723	3.4	8.7	6.7	10.1	10.1
4Q D4/10	4Q 4/10	2" (2.0")	517	344	344	861	861	4.4	8.0	8.0	12.4	12.4
4Q D4/13	4Q 4/13	2" (2.0")	571	359	344	930	915	4.9	8.7	8.0	13.6	12.9
4Q D4/15	4Q 4/15	2" (2.0")	624	379	379	1003	1003	5.4	9.8	9.8	15.2	15.2
4Q D4/18	4Q 4/18	2" (2.0")	737	395	379	1138	1116	6.2	10.6	9.8	16.8	16.0
4Q D4/20	4Q 4/20	2" (2.0")	790	424	424	1214	1214	6.7	11.7	11.7	18.4	18.4
4Q D4/22	4Q 4/22	2" (2.0")	844	449	424	1293	1268	7.3	12.9	11.7	20.2	19.0
4Q D4/26	4Q 4/26	2" (2.0")	952	502	514	1454	1466	8.3	15.7	15.7	24.0	24.0
4Q D4/30	4Q 4/30	2" (2.0")	1059	542	514	1601	1573	9.3	17.7	15.7	27.0	25.0
4Q D4/35	4Q 4/35	2" (2.0")	1194	594	554	1664	1748	10.6	19.8	17.7	30.4	28.3
-	4Q 4/40	2" (2.0")	1360	-	594	-	1954	11.9	-	19.8	-	31.7
-	4Q 4/45	2" (2.0")	1494	-	658	-	2152	13.2	-	21.4	-	34.6
-	4Q 4/50	2" (2.0")	1629	-	698	-	2327	14.5	-	23.7	-	38.2
-	4Q 4/56	2" (2.0")	1790	-	738	-	2528	16.1	-	25.9	-	41.6
4Q D5/6	4Q 5/6	2 1/2" (2.5")	396	314	314	710	710	3.2	6.7	6.7	9.9	9.9
4Q D5/8	4Q 5/8	2 1/2" (2.5")	454	329	329	783	783	3.7	7.3	7.3	11.0	11.0
4Q D5/10	4Q 5/10	2 1/2" (2.5")	513	344	344	872	867	4.3	8.7	8.0	13.0	12.3
4Q D5/12	4Q 5/12	2 1/2" (2.5")	571	379	379	950	950	4.8	9.8	9.8	14.6	14.6
4Q D5/14	4Q 5/14	2 1/2" (2.5")	630	399	379	1029	1008	5.3	10.6	9.8	15.9	15.1
4Q D5/16	4Q 5/16	2 1/2" (2.5")	688	424	424	1112	1112	5.9	11.7	11.7	17.6	17.6
4Q D5/18	4Q 5/18	2 1/2" (2.5")	778	449	424	1227	1202	6.4	12.9	11.7	19.3	18.1
4Q D5/21	4Q 5/21	2 1/2" (2.5")	866	502	514	1368	1380	7.2	15.7	15.7	22.9	22.9
4Q D5/24	4Q 5/24	2 1/2" (2.5")	953	542	514	1495	1467	8.1	17.7	15.7	25.8	23.8
4Q D5/28	4Q 5/28	2 1/2" (2.5")	1070	594	554	1654	1624	9.1	19.8	17.7	28.9	26.8
-	4Q 5/32	2 1/2" (2.5")	1187	-	594	-	1781	10.2	-	19.8	-	30.0
-	4Q 5/36	2 1/2" (2.5")	1335	-	658	-	1993	11.3	-	21.4	-	32.7
-	4Q 5/40	2 1/2" (2.5")	1452	-	698	-	2150	12.4	-	23.7	-	36.1
-	4Q 5/45	2 1/2" (2.5")	1598	-	738	-	2335	13.7	-	25.9	-	39.2
-	4Q 5/50	2 1/2" (2.5")	1744	-	788	-	2532	15.1	-	28.0	-	43.1
-	4Q 5/56	2 1/2" (2.5")	1951	-	848	-	2756	16.7	-	30.0	-	46.7

• M(s) is single phase motor, M(t) is three phase motor
 • T(s) is single phase motor, T(t) is three phase motor

DIMENSIONS AND WEIGHTS



MODEL		DN	DIMENSIONS(mm)				WEIGHTS(kg)					
1~ 220 - 240V	3~ 380 - 415V		M(s)	M(r)	T(s)	T(r)	M(s)	M(r)	T(s)	T(r)		
4Q□D7/5	4Q□7/5	1 1/2" x 1/2"	400	314	314	714	714	3.0	8.7	8.7	9.7	9.7
4Q□D7/7	4Q□7/7	1 1/2" x 1/2"	435	328	328	784	784	3.3	7.3	7.3	10.6	10.6
4Q□D7/8	4Q□7/8	1 1/2" x 1/2"	504	308	344	883	949	3.8	9.7	8.0	12.5	11.8
4Q□D7/10	4Q□7/10	1 1/2" x 1/2"	528	379	379	917	917	4.7	8.8	9.8	13.9	13.9
4Q□D7/11	4Q□7/11	1 1/2" x 1/2"	807	368	378	1006	896	5.7	10.8	9.8	15.3	14.5
4Q□D7/13	4Q□7/13	1 1/2" x 1/2"	842	424	424	1086	1086	6.0	11.7	11.7	16.7	16.7
4Q□D7/15	4Q□7/15	1 1/2" x 1/2"	742	448	424	1191	1193	6.8	12.9	11.7	18.5	17.3
4Q□D7/17	4Q□7/17	1 1/2" x 1/2"	848	502	514	1348	1360	8.4	15.7	15.7	22.1	22.1
4Q□D7/20	4Q□7/20	1 1/2" x 1/2"	919	542	514	1481	1483	7.3	17.7	15.7	25.0	23.0
4Q□D7/23	4Q□7/23	1 1/2" x 1/2"	1053	594	551	1647	1807	8.1	19.8	17.7	27.9	25.8
-	4Q□7/26	1 1/2" x 1/2"	1155	-	594	-	1750	8.0	-	19.8	-	28.8
-	4Q□7/30	1 1/2" x 1/2"	1328	-	658	-	1884	10.1	-	21.4	-	31.5
-	4Q□7/34	1 1/2" x 1/2"	1484	-	698	-	2182	11.3	-	23.7	-	35.0
-	4Q□7/38	1 1/2" x 1/2"	1802	-	738	-	2340	12.1	-	25.5	-	37.9
-	4Q□7/42	1 1/2" x 1/2"	1740	-	788	-	2528	13.8	-	28.0	-	41.6
-	4Q□7/47	1 1/2" x 1/2"	1844	-	848	-	2732	15.0	-	30.0	-	45.0
4Q□D10/5	4Q□10/5	1 1/2" x 1/2"	418	328	328	747	747	3.0	7.3	7.3	10.3	10.3
4Q□D10/7	4Q□10/7	1 1/2" x 1/2"	494	368	344	853	838	3.6	8.7	8.0	12.3	11.6
4Q□D10/8	4Q□10/8	1 1/2" x 1/2"	532	378	378	911	911	3.8	9.8	9.8	13.7	13.7
4Q□D10/9	4Q□10/9	1 1/2" x 1/2"	570	398	378	989	949	4.2	10.8	9.8	14.8	14.0
4Q□D10/10	4Q□10/10	1 1/2" x 1/2"	608	424	424	1033	1033	4.5	11.7	11.7	16.2	16.2
4Q□D10/12	4Q□10/12	1 1/2" x 1/2"	717	448	424	1155	141	5.1	12.9	11.7	18.0	16.8
4Q□D10/14	4Q□10/14	1 1/2" x 1/2"	783	502	514	1295	1307	5.7	15.7	15.7	21.4	21.4
4Q□D10/17	4Q□10/17	1 1/2" x 1/2"	807	542	514	1448	1421	8.8	17.7	15.7	24.3	22.3
4Q□D10/20	4Q□10/20	1 1/2" x 1/2"	1021	594	554	1615	1575	7.5	19.8	17.7	27.3	25.2
-	4Q□10/23	1 1/2" x 1/2"	1138	-	594	-	1730	8.4	-	19.8	-	26.2
-	4Q□10/26	1 1/2" x 1/2"	1250	-	658	-	1808	8.2	-	21.4	-	30.6
-	4Q□10/29	1 1/2" x 1/2"	1398	-	698	-	2094	10.1	-	23.7	-	33.8
-	4Q□10/33	1 1/2" x 1/2"	1548	-	738	-	2288	11.3	-	25.5	-	36.8
-	4Q□10/37	1 1/2" x 1/2"	1701	-	788	-	2488	12.8	-	28.0	-	40.5
-	4Q□10/41	1 1/2" x 1/2"	1884	-	848	-	2732	13.7	-	30.0	-	43.7
4Q□D12/5	4Q□12/5	1 1/2"	418	358	344	777	782	3.0	8.7	8.0	11.7	11.0
4Q□D12/6	4Q□12/6	1 1/2"	458	378	378	835	835	3.3	9.8	9.8	13.1	13.1
4Q□D12/7	4Q□12/7	1 1/2"	494	398	378	893	873	3.8	10.8	9.8	14.2	13.4
4Q□D12/8	4Q□12/8	1 1/2"	532	424	424	950	950	3.8	11.7	11.7	15.6	15.6
4Q□D12/10	4Q□12/10	1 1/2"	608	448	424	1058	1033	4.5	12.9	11.7	17.4	16.2
4Q□D12/12	4Q□12/12	1 1/2"	718	502	514	1218	1231	5.1	15.7	15.7	20.8	20.8
4Q□D12/14	4Q□12/14	1 1/2"	783	542	514	1338	1307	5.7	17.7	15.7	23.4	21.4
4Q□D12/16	4Q□12/16	1 1/2"	868	594	554	1483	1429	8.3	19.8	17.7	26.1	24.0
-	4Q□12/18	1 1/2"	945	-	594	-	1538	8.8	-	19.8	-	26.7
-	4Q□12/20	1 1/2"	1021	-	658	-	1678	7.5	-	21.4	-	26.9
-	4Q□12/22	1 1/2"	1087	-	698	-	1788	8.1	-	23.7	-	31.8
-	4Q□12/25	1 1/2"	1212	-	738	-	1950	9.0	-	25.5	-	34.5
-	4Q□12/28	1 1/2"	1357	-	788	-	2148	9.0	-	28.0	-	37.8
-	4Q□12/32	1 1/2"	1510	-	848	-	2368	11.3	-	30.0	-	41.0
-	4Q□12/36	1 1/2"	1682	-	908	-	2578	12.2	-	34.0	-	46.2

• M(s) is single phase motor, M(r) is three phase motor
 • T(s) is single phase motor, T(r) is three phase motor



6SR

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%
 Minimum well diameter: 6"

Motor and Pump

Rewindable motor
Single-phase: 220 - 240V/50Hz
Three-phase: 380 - 415V/50Hz
 ⓐ Direct start (1 cable)
 ⓑ Star-delta start (2 cables)
 Equip with start control box or digital auto-control box
NEMA dimension standards
 Curve tolerance according to ISO 9906

Options on request

Special mechanical seal
 Other voltages or frequency 60Hz

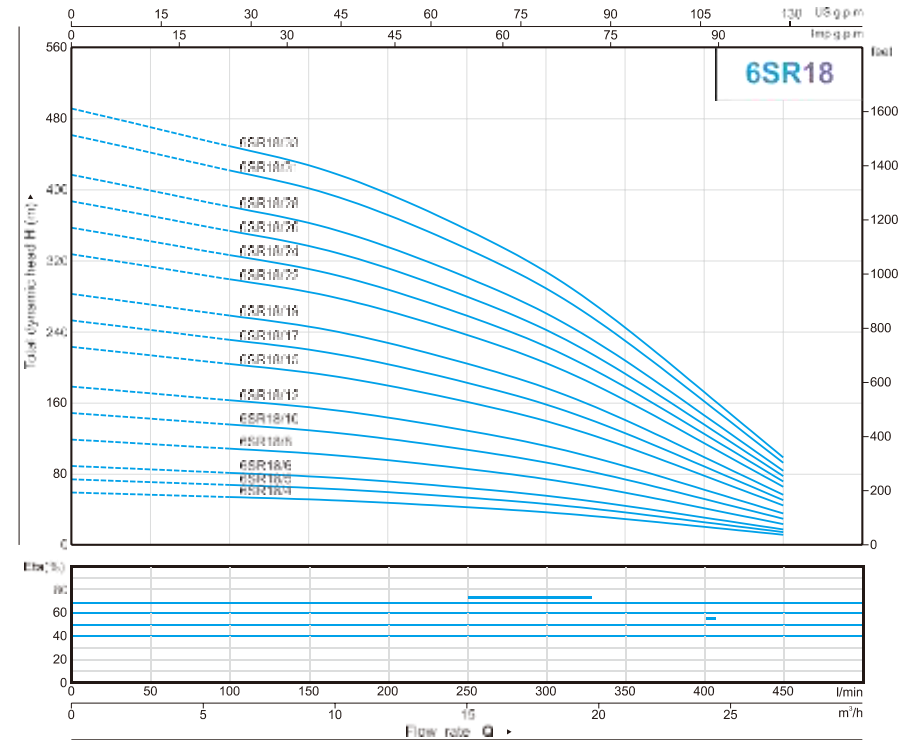
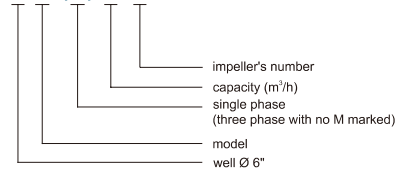
Warranty: 2 years

(according to our general sales conditions)



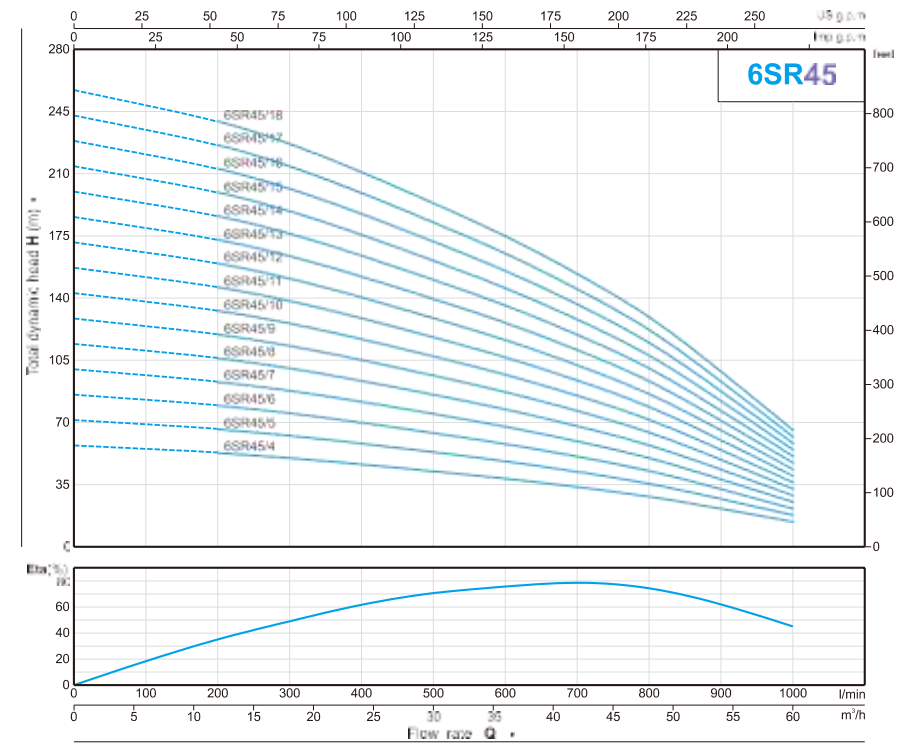
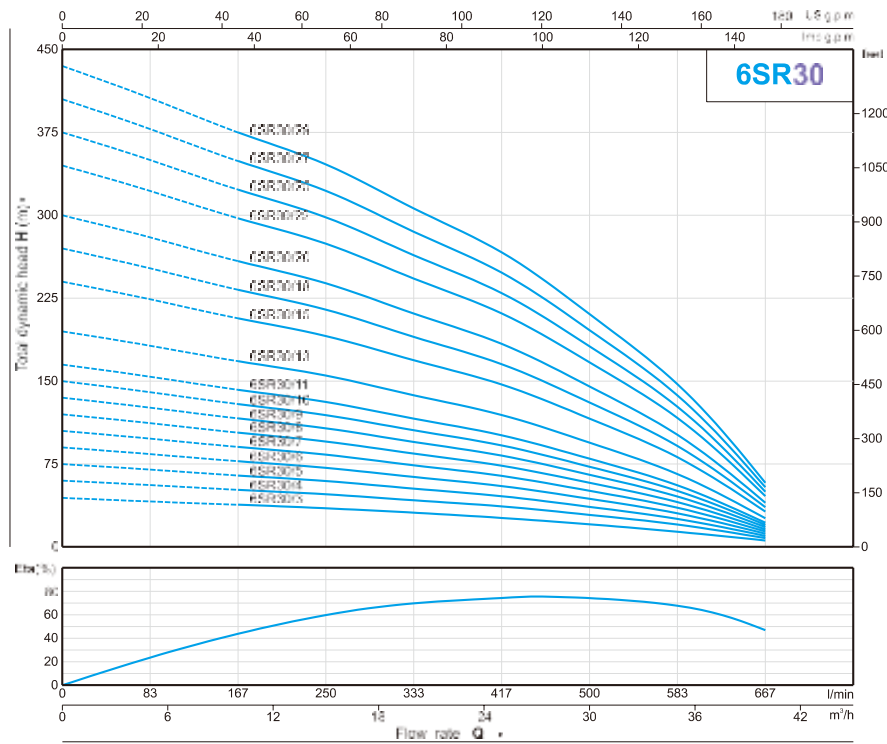
Components	Material
Pump external casing	AISI 304 SS
Delivery casing	Cast iron ASTM N0.30
Suction lantern	Cast iron ASTM N0.30
Diffuser	Plastic PC & AISI 304 SS
Impeller	Plastic PC
Shaft	AISI 304 SS
Shaft coupling	AISI 304 SS
Wear ring	AISI 304 SS
Motor external casing	AISI 304 SS
Top check	Cast iron ASTM N0.30
Bottom support	Cast iron ASTM N0.30
Steel	NBR, Graphite, SiC/TC
Shaft	AISI 304 SS-ASTM 6140
Thrust bearing	ⓐ WSH20 ⓑ NSK
Radial bearing	ⓐ Carbon with antimony ⓑ NSK

6SR(M)18/6



PERFORMANCE DATA 50Hz

MODEL		P ₂		DELIVERY n=2850 1/min													
1~	3~	kW	HP	Q	H _{int}												
220 - 240V	380 - 415V				0	3	6	9	12	15	18	21	24	27			
				0	50	100	150	200	250	300	350	400	450				
6SRM18/4	6SR18/4	2.2	3	0	80	57	54	52	48	43	37	42	21	12			
6SRM18/5	6SR18/5	3	4	0	75	71	68	65	60	54	47	52	26	15			
6SRM18/6	6SR18/6	4	5.5	0	89	86	82	78	72	65	56	62	31	18			
6SRM18/8	6SR18/8	5.5	7.5	0	119	114	109	104	96	86	75	83	42	24			
-	6SR18/10	7.5	10	0	149	143	136	130	120	108	93	104	52	30			
-	6SR18/12	9.2	12.5	0	179	171	163	156	144	129	112	125	63	36			
-	6SR18/15	11	15	0	224	214	204	195	180	161	140	156	79	45			
-	6SR18/17	13	17.5	0	254	243	232	221	204	183	159	177	89	51			
-	6SR18/19	15	20	0	283	271	259	246	228	205	177	197	99	57			
-	6SR18/22	18.5	25	0	329	314	300	285	264	237	205	228	115	66			
-	6SR18/24	18.5	25	0	359	342	327	311	289	258	224	249	126	72			
-	6SR18/26	22	30	0	388	371	354	337	312	280	242	270	136	78			
-	6SR18/28	22	30	0	418	399	381	363	336	301	261	287	147	84			
-	6SR18/31	26	35	0	452	442	422	402	372	334	289	322	162	93			
-	6SR18/33	26	35	0	492	471	449	428	396	355	308	343	173	98			

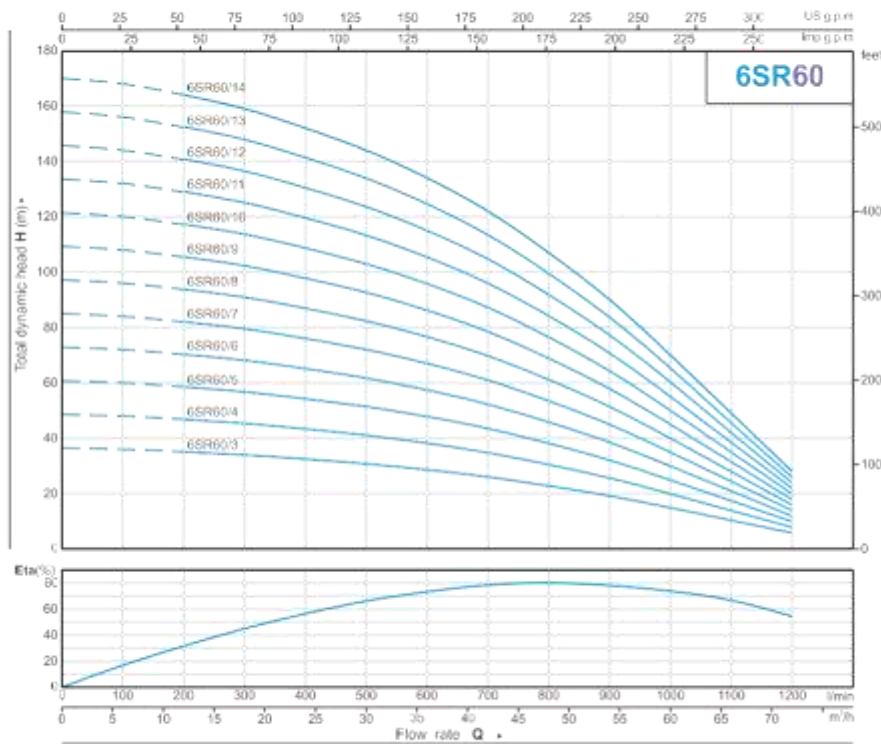


PERFORMANCE DATA 50Hz

MODEL		P ₂		DELIVERY n=2850 1/min																			
1~ 220 - 240V	3~ 380 - 415V	kW	HP	Q m ³ /h l/min	0	5	10	15	20	25	30	35	40	H _{total}									
					0	83	167	250	333	417	500	583	667	0	6	12	18	24	30	36	42		
6SRM30/3	6SR30/3	3	4	H _{total}	45	42	39	36	32	28	22	15	8	1200	1150	1100	1050	1000	950	900	850	800	
6SRM30/4	6SR30/4	4	5.5		60	56	52	48	42	37	29	20	8	1050	1000	950	900	850	800	750	700	650	600
6SRM30/5	6SR30/5	5.5	7.5		75	70	66	60	53	46	36	25	10	900	850	800	750	700	650	600	550	500	450
6SRM30/6	6SR30/6	5.5	7.5		90	84	78	72	63	55	44	30	12	750	700	650	600	550	500	450	400	350	300
-	6SR30/7	7.5	10		105	98	91	84	74	64	51	35	14	600	550	500	450	400	350	300	250	200	150
-	6SR30/8	7.5	10		120	112	103	95	84	73	58	41	16	450	400	350	300	250	200	150	100	50	0
-	6SR30/9	8.2	12.5		135	128	118	107	95	83	65	48	18	300	250	200	150	100	50	0	0	0	0
-	6SR30/10	11	15		150	140	128	119	106	92	73	51	20	150	100	50	0	0	0	0	0	0	0
-	6SR30/11	11	15		165	154	142	131	116	101	80	56	22	100	50	0	0	0	0	0	0	0	0
-	6SR30/13	13	17.5		180	182	168	156	137	119	95	68	26	50	0	0	0	0	0	0	0	0	0
-	6SR30/15	15	20		225	210	194	179	158	138	109	78	30	0	0	0	0	0	0	0	0	0	0
-	6SR30/18	18.5	25		270	252	233	215	190	165	131	91	36	0	0	0	0	0	0	0	0	0	0
-	6SR30/20	22	30		300	280	258	238	211	183	146	101	40	0	0	0	0	0	0	0	0	0	0
-	6SR30/22	22	30		330	308	284	262	232	202	160	112	44	0	0	0	0	0	0	0	0	0	0
-	6SR30/25	26	35		375	350	323	298	264	228	182	127	50	0	0	0	0	0	0	0	0	0	0
-	6SR30/27	30	40		405	378	348	322	285	248	196	137	54	0	0	0	0	0	0	0	0	0	0
-	6SR30/29	30	40		435	406	375	346	306	268	211	147	58	0	0	0	0	0	0	0	0	0	0

PERFORMANCE DATA 50Hz

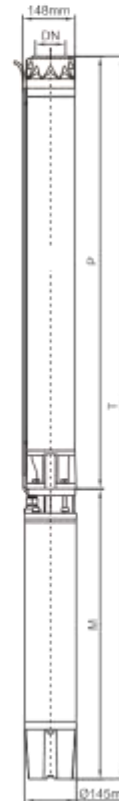
MODEL		P ₂		DELIVERY n=2850 1/min																		
1~ 220 - 240V	3~ 380 - 415V	kW	HP	Q m ³ /h l/min	0	6	12	18	24	30	36	42	48	54	60	H _{total}						
					0	100	200	300	400	500	600	700	800	900	1000	0	10	20	30	40	50	60
6SRM45/3	6SR45/3	4	5.5	H _{total}	43	41	40	38	35	32	29	26	22	18	11	1200	1150	1100	1050	1000	950	900
6SRM45/4	6SR45/4	5.5	7.5		57	56	53	50	47	43	39	34	29	22	15	1050	1000	950	900	850	800	750
-	6SR45/5	7.5	10		71	69	66	63	58	54	48	43	36	27	18	900	850	800	750	700	650	600
-	6SR45/6	9.2	12.5		86	83	80	76	70	64	58	51	43	33	22	750	700	650	600	550	500	450
-	6SR45/7	11	15		100	97	93	88	82	75	68	60	50	38	26	600	550	500	450	400	350	300
-	6SR45/8	11	15		114	110	106	101	94	86	78	68	58	44	29	450	400	350	300	250	200	150
-	6SR45/9	13	17.5		128	124	120	113	106	97	87	77	65	49	33	300	250	200	150	100	50	0
-	6SR45/10	15	20		143	138	133	126	117	107	97	85	72	54	36	150	100	50	0	0	0	0
-	6SR45/11	18.5	25		157	152	146	138	129	119	107	94	79	60	40	50	0	0	0	0	0	0
-	6SR45/12	19.5	25		172	166	160	151	140	129	116	103	86	65	44	0	0	0	0	0	0	0
-	6SR45/13	22	30		188	179	173	164	152	140	126	111	94	71	47	0	0	0	0	0	0	0
-	6SR45/14	22	30		200	193	186	176	164	150	136	120	101	76	51	0	0	0	0	0	0	0
-	6SR45/15	28	35		215	207	200	188	176	161	145	128	108	82	55	0	0	0	0	0	0	0
-	6SR45/16	28	35		229	221	213	202	187	172	155	137	115	87	58	0	0	0	0	0	0	0
-	6SR45/17	30	40		243	235	226	214	198	183	165	145	122	93	62	0	0	0	0	0	0	0
-	6SR45/18	30	40		257	248	239	227	211	194	175	154	130	98	66	0	0	0	0	0	0	0



PERFORMANCE DATA 50Hz

MODEL		P ₂		DELIVERY n=2850 1/min													
1- 220 - 240V	3- 380 - 415V	KW	HP	Q m³/h l/min													
				0	6	12	18	24	30	36	42	48	54	60	66	72	
				0	100	200	300	400	500	600	700	800	900	1000	1100	1200	
6SRM60/3	6SR60/3	5.5	7.5	36	38	35	34	33	31	29	26	23	19	15	10	6	
-	6SR60/4	7.5	10	49	48	47	45	43	41	38	35	31	26	20	14	8	
-	6SR60/5	11	15	61	60	59	57	54	51	48	44	38	32	25	17	10	
-	6SR60/6	13	17.5	73	72	70	68	65	62	57	52	46	39	30	21	12	
-	6SR60/7	15	20	85	84	82	79	76	72	67	61	53	45	35	24	14	
-	6SR60/8	18.5	25	97	96	94	91	87	82	77	70	61	51	40	28	16	
-	6SR60/9	18.5	25	105	108	105	102	98	93	86	78	69	58	45	31	18	
-	6SR60/10	22	30	121	120	117	114	109	103	96	87	76	64	50	35	20	
-	6SR60/11	26	35	134	132	128	125	119	113	105	96	84	71	55	38	22	
-	6SR60/12	26	35	146	144	141	136	130	123	115	105	92	77	60	42	24	
-	6SR60/13	30	40	158	158	152	148	141	134	124	113	99	84	65	45	26	
-	6SR60/14	30	40	170	168	164	159	152	144	134	122	107	90	70	49	28	

DIMENSIONS AND WEIGHTS

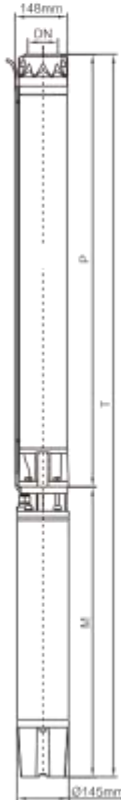


Model	Series	DN	WEIGHT(kg)									
			P	M(s)	M(t)	T(s)	T(t)					
6SRM18/4	6SR18/4	2 1/2" / 3"	889	618	584	1285	1253	18.3	41.7	39.2	58.0	56.3
6SRM18/5	6SR18/5	2 1/2" / 3"	759	666	614	1425	1373	18.1	46.5	42.6	64.6	60.7
6SRM18/6	6SR18/6	2 1/2" / 3"	849	-	654	-	1503	19.9	-	47.0	-	66.9
6SRM18/8	6SR18/8	2 1/2" / 3"	939	-	704	-	1643	21.7	-	52.7	-	74.4
-	6SR18/10	2 1/2" / 3"	1029	-	754	-	1783	23.5	-	58.3	-	81.8
-	6SR18/12	2 1/2" / 3"	1191	-	804	-	1995	25.3	-	63.9	-	89.2
-	6SR18/15	2 1/2" / 3"	1281	-	854	-	2135	27.1	-	69.5	-	96.6
-	6SR18/17	2 1/2" / 3"	1371	-	934	-	2305	28.9	-	80.9	-	100.8
-	6SR18/19	2 1/2" / 3"	1461	-	934	-	2395	30.7	-	80.9	-	111.6
-	6SR18/22	2 1/2" / 3"	1551	-	1014	-	2565	32.5	-	91.6	-	124.1
-	6SR18/24	2 1/2" / 3"	1641	-	1014	-	2655	34.3	-	91.6	-	125.9
-	6SR18/26	2 1/2" / 3"	1731	-	1094	-	2825	36.1	-	102.3	-	138.4
-	6SR18/28	2 1/2" / 3"	1821	-	1094	-	2915	37.9	-	102.3	-	140.2
-	6SR18/31	2 1/2" / 3"	1911	-	1174	-	3085	39.7	-	113.0	-	152.7
-	6SR18/33	2 1/2" / 3"	2073	-	1174	-	3247	41.5	-	113.0	-	154.5

Model	Series	DN	WEIGHT(kg)									
			P	M(s)	M(t)	T(s)	T(t)					
6SRM30/3	6SR30/3	3" / 4"	562	586	563	1148	1125	14.0	38.8	36.9	52.8	50.9
6SRM30/4	6SR30/4	3" / 4"	615	616	593	1231	1208	15.0	41.7	40.3	56.7	55.3
6SRM30/5	6SR30/5	3" / 4"	669	666	633	1335	1302	16.0	46.5	44.8	62.5	60.8
6SRM30/6	6SR30/6	3" / 4"	723	666	633	1389	1356	17.0	46.5	44.8	63.5	61.8
-	6SR30/7	3" / 4"	777	-	683	-	1460	18.0	-	50.4	-	68.4
-	6SR30/8	3" / 4"	831	-	683	-	1514	19.0	-	50.4	-	69.4
-	6SR30/9	3" / 4"	885	-	733	-	1618	20.0	-	56.0	-	76.0
-	6SR30/10	3" / 4"	939	-	783	-	1722	21.0	-	61.7	-	82.7
-	6SR30/11	3" / 4"	993	-	783	-	1776	22.0	-	61.7	-	83.7
-	6SR30/13	3" / 4"	1173	-	833	-	2006	24.0	-	67.3	-	91.3
-	6SR30/15	3" / 4"	1350	-	883	-	2183	26.0	-	72.9	-	98.9
-	6SR30/18	3" / 4"	1587	-	933	-	2520	29.0	-	80.9	-	109.9
-	6SR30/20	3" / 4"	1767	-	1013	-	2780	31.0	-	91.6	-	122.6
-	6SR30/22	3" / 4"	1875	-	1013	-	2888	33.0	-	91.6	-	124.6
-	6SR30/25	3" / 4"	2181	-	1093	-	3274	36.0	-	102.3	-	138.9
-	6SR30/27	3" / 4"	2361	-	1173	-	3534	38.0	-	113.0	-	151.0
-	6SR30/29	3" / 4"	2469	-	1173	-	3642	40.0	-	113.0	-	153.0

• M(s) is single phase motor, M(t) is three phase motor
 • T(s) is single phase motor, T(t) is three phase motor

DIMENSIONS AND WEIGHTS



		DN						WEIGHT(kg)				
			P	M(s)	M(t)	T(s)	T(t)	P	M(s)	M(t)	T(s)	T(t)
6SRM45/3	6SR45/3	3"4"	675	616	565	1291	1268	16.1	41.7	40.3	57.8	56.4
6SRM45/4	6SR45/4	3"4"	767	696	633	1433	1400	17.4	46.5	44.8	63.9	62.2
-	6SR45/5	3"4"	859	-	683	-	1542	18.7	-	50.4	-	69.1
-	6SR45/6	3"4"	951	-	733	-	1664	20.0	-	56.0	-	76.0
-	6SR45/7	3"4"	1115	-	783	-	1898	21.3	-	61.7	-	83.0
-	6SR45/8	3"4"	1279	-	833	-	2112	22.6	-	67.3	-	89.9
-	6SR45/9	3"4"	1442	-	883	-	2326	23.9	-	72.9	-	96.8
-	6SR45/10	3"4"	1607	-	933	-	2540	25.2	-	80.9	-	106.1
-	6SR45/11	3"4"	1771	-	933	-	2704	26.5	-	80.9	-	107.4
-	6SR45/12	3"4"	1935	-	1013	-	2948	27.8	-	91.6	-	119.4
-	6SR45/13	3"4"	2099	-	1013	-	3112	29.1	-	91.6	-	120.7
-	6SR45/14	3"4"	2263	-	1093	-	3356	30.4	-	102.3	-	132.7
-	6SR45/15	3"4"	2427	-	1093	-	3520	31.7	-	102.3	-	134.0
-	6SR45/16	3"4"	2691	-	1173	-	3836	33.0	-	113.0	-	146.0
-	6SR45/17	3"4"	2855	-	1173	-	4072	34.3	-	113.0	-	147.3
-	6SR45/18	3"4"	3120	-	1293	-	4433	35.6	-	129.2	-	164.6

		DN						WEIGHT(kg)				
			P	M(s)	M(t)	T(s)	T(t)	P	M(s)	M(t)	T(s)	T(t)
6SRM60/3	6SR60/3	3"4"	705	666	614	1371	1319	15.4	46.5	42.8	61.9	58.0
-	6SR60/4	3"4"	807	-	654	-	1461	16.5	-	47.3	-	63.9
-	6SR60/5	3"4"	909	-	754	-	1663	18.4	-	58.3	-	76.7
-	6SR60/6	3"4"	1011	-	854	-	1865	19.5	-	69.5	-	89.4
-	6SR60/7	3"4"	1113	-	934	-	2047	21.4	-	80.9	-	102.3
-	6SR60/8	3"4"	1215	-	934	-	2149	22.5	-	80.9	-	103.8
-	6SR60/9	3"4"	1317	-	1014	-	2331	24.4	-	91.6	-	116.0
-	6SR60/10	3"4"	1462	-	1094	-	2556	25.5	-	102.3	-	129.2
-	6SR60/11	3"4"	1608	-	1174	-	2782	27.4	-	113.0	-	140.4
-	6SR60/12	3"4"	1754	-	1174	-	2928	28.5	-	113.0	-	141.9
-	6SR60/13	3"4"	1827	-	1274	-	3101	30.4	-	126.4	-	156.8
-	6SR60/14	3"4"	1900	-	1274	-	3174	31.9	-	126.4	-	158.3

- M(s) is single phase motor; M(t) is three phase motor
- T(s) is single phase motor; T(t) is three phase motor

SC

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: 0.15%
Minimum well diameter: Ø130mm

Motor and Pump

Rewindable motor
Single-phase: 220 - 240V/50Hz
Three-phase: 380 - 415V/50Hz
Equip with start control box or digital auto-control box
It's available to equip with floating switch
Curve tolerance according to ISO 9906

Options on request

Special mechanical seal
Other voltages or frequency 60Hz

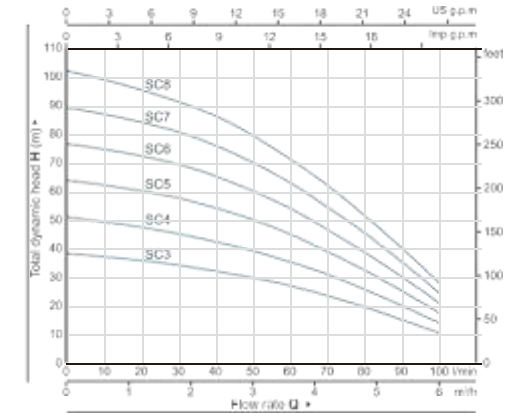
Warranty: 2 years

(according to our general sales conditions)

SC (M) 3(N) (A)

with floating switch
built-in capacitor
(outboard capacitor with no N marked)
impeller's number
single phase
(three phase with no M marked)
model

Components	Material
Pump external casing	AISI 304 SS
Delivery casing	AISI 304 SS
Suction lantern	AISI 304 SS
Diffuser	Plastic PPO
Impeller	Plastic PPO
Motor external casing	AISI 304 SS
Top check	Cast-iron ASTM NO.30 Z/AISI 420 SS
Bottom support	AISI 304 SS
Mechanical seal	Graphite-Ceramic
Shaft	AISI 304 SS ASTM 5140
Seal lubricant oil	Oil for food machinery and pharmaceutical use



PERFORMANCE DATA 50Hz

MODEL		P ₂		DELIVERY n≈2850 1/min												
1-220-240V	3-380-415V	kW	HP	Q	H(m)											
					m³/h	0	0.6	1.2	1.8	2.4	3.0	3.6	4.2	4.8	5.4	6.0
SCM3	SC3	0.55	0.75	0	10	20	30	40	50	60	70	80	90	100	11	
SCM4	SC4	0.75	1	51	50	49	47	44	41	36	31	25	20	14	11	
SCM5	SC5	0.92	1.25	64	62	61	59	55	51	45	39	31	25	18	11	
SCM6	SC6	1.1	1.5	77	74	73	71	66	61	54	46	37	30	21	11	
SCM7	SC7	1.3	1.75	89	87	85	82	77	71	63	54	44	35	25	11	
SCM8	SC8	1.5	2	102	99	97	94	88	81	72	62	50	40	28	11	

Applications

Sewage treatment plants
Industrial draining
Agriculture irrigation

Operating conditions

Maximum fluid temperature up to +40°C

Motor and Pump

Rewindable motor

Single-phase: 220 - 240V/50Hz

Three-phase: 380 - 415V/50Hz

It's available to equip with floating switch
It can work in water containing fiber
Curve tolerance according to ISO 9906

Options on request

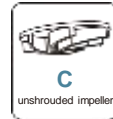
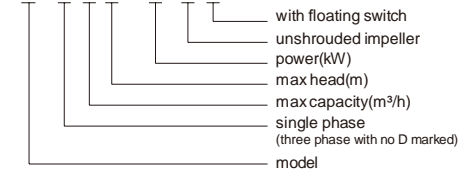
Special mechanical seal

Other voltages or frequency 60Hz

Warranty: 2 years

(according to our general sales conditions)

WSD(D)8 - 7 - 0.18C(F)



Components	Material
Motor external casing	AISI 304 SS
Mechanical seal	Graphite-Ceramic
Shaft	AISI 304 SS ASTM 5140
Ball bearings	GI for food machinery and pharmaceutical use

PERFORMANCE DATA 50Hz

MODEL	P ₂	DELIVERY n≈2850 1/min													
		Q m³/h	0	3	6	9	12	15	18	24	30	36	40		
1~ 220V	3~ 415V	kW	HP	0	50	100	150	200	250	300	400	500	600	667	
WSD8-7-0.18C	WS8-7-0.18C	0.18	0.25	H(m)	7.1	6.0	3.8	-	-	-	-	-	-	-	
WSD9-8-0.25C	WS9-8-0.25C	0.25	0.33		8.0	7.0	5.0	3.0	-	-	-	-	-	-	-
WSD10-8-0.37C	WS10-8-0.37C	0.37	0.5		8.1	7.0	6.0	5.0	-	-	-	-	-	-	-
WSD15-10-0.55C	WS15-10-0.55C	0.55	0.75		10.2	9.5	8.8	7.8	6.3	4.0	-	-	-	-	-
WSD20-10-0.75C	WS20-10-0.75C	0.75	1		10.0	9.6	9.2	8.7	8.0	6.9	5.6	-	-	-	-
WSD18-12-0.75C	WS18-12-0.75C	0.75	1		12.1	11.6	11.0	10.3	9.5	7.8	5.8	-	-	-	-
WSD25-12-1.1C	WS25-12-1.1C	1.1	1.5		12.0	11.8	11.4	11.0	10.5	10.0	9.3	7.3	-	-	-
WSD35-10-1.1C	WS35-10-1.1C	1.1	1.5		10.1	9.9	9.8	9.6	9.4	9.2	9.0	8.9	7.3	-	-
WSD25-14-1.5C	WS25-14-1.5C	1.5	2		14.0	13.6	12.9	12.7	12.1	11.5	10.7	8.6	-	-	-
WSD40-11-1.5C	WS40-11-1.5C	1.5	2		11.2	11.0	10.5	10.3	10	9.6	9.3	8.3	6.8	6.0	4.8

Applications

Sewage treatment plants
Industrial draining
Agriculture irrigation

Operating conditions

Maximum fluid temperature up to +40°C

Motor and Pump

Rewindable motor

Single-phase: 220 - 240V/50Hz

Three-phase: 380 - 415V/50Hz

It's available to equip with floating switch
Curve tolerance according to ISO 9906

Options on request

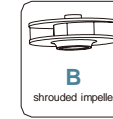
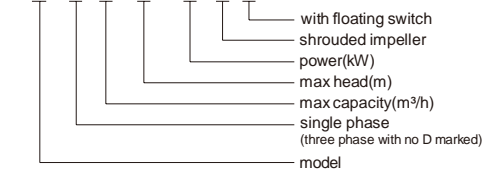
Special mechanical seal

Other voltages or frequency 60Hz

Warranty: 2 years

(according to our general sales conditions)

WSD(D)20-14-0.55B(F)



Components	Material
Motor external casing	AISI 304 SS
Mechanical seal	Graphite-Ceramic
Shaft	AISI 304 SS ASTM 5140
Ball bearings	GI for food machinery and pharmaceutical use

PERFORMANCE DATA 50Hz

MODEL	P ₂	DELIVERY n≈2850 1/min																
		Q m³/h	0	6	12	18	24	30	36	42	48	54	60	68				
1~ 220V	3~ 415V	kW	HP	0	100	200	300	400	500	600	700	800	900	1000	1133			
WSD20-14-0.55B	WS20-14-0.55B	0.55	0.75	H(m)	14.0	12.3	11.0	8.3	-	-	-	-	-	-	-			
WSD24-15-0.75B	WS24-15-0.75B	0.75	1		15.6	14.6	13.1	11.7	7.5	-	-	-	-	-	-			
WSD26-17-1.1B	WS26-17-1.1B	1.1	1.5		17.1	15.3	13.5	12.4	8.5	-	-	-	-	-	-			
WSD40-14-1.1B	WS40-14-1.1B	1.1	1.5		14.1	13.5	13.0	12.3	11.5	10.5	9.3	-	-	-	-			
WSD30-22-1.5B	WS30-22-1.5B	1.5	2		22.0	20.6	18.9	17.1	14.9	12.4	-	-	-	-	-			
WSD45-17-1.5B	WS45-17-1.5B	1.5	2		17.0	16.1	15.2	14.1	12.8	10.6	8.9	7.7	-	-	-			
WSD35-25-2.2B	WS35-25-2.2B	2.2	3		25.1	23.3	21.4	19.1	16.5	13.5	-	-	-	-	-			
WSD55-18-2.2B	WS55-18-2.2B	2.2	3		18.3	17.5	16.0	15.4	14.2	13.0	11.7	10.7	8.8	7.7	-			
-	WS60-22-3B	3	4		22.1	21.1	20.0	18.8	17.5	16.2	14.6	12.9	11.1	9.1	6.9			
-	WS68-25-3.7B	3.7	5		25.0	24.1	23.2	22.1	20.9	19.7	18.4	16.8	15.3	13.5	11.7			

WS

Applications

Sewage treatment plants
Industrial draining
Agriculture irrigation

Operating conditions

Maximum fluid temperature up to +40°C

Motor and Pump

Reversible motor

Single-phase: 220 - 240V/50Hz

Three-phase: 380 - 415V/50Hz

It's available to equip with floating switch

It can work in water containing fiber

Curve tolerance according to ISO 9806

Options on request

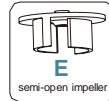
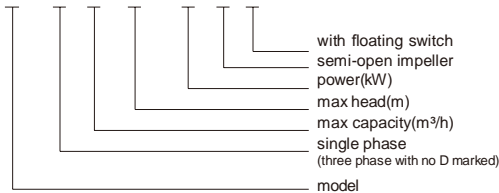
Special mechanical seal

Other voltages or frequency 60Hz

Warranty: 2 years

(according to our general sales conditions)

WS (D) 15-10 - 0.37 E (F)



Components	Material
Motor external casing	AISI 304 SS
Mechanical seal	Graphite-Ceramic
Shaft	AISI 304 SS-ASTM 5140
Seal lubricant oil	Oil for food machinery and pharmaceutical use.

PERFORMANCE DATA 50Hz

MODEL		P ₂		DELIVERY n≈2850 1/min																
1 ~ 220 - 240V	3 ~ 380 - 415V	kW	HP	Q	m³/h															
					0	5	10	15	20	25	30	35	40	45	50	55	60	65		
WSD15-10-0.37E	WS15-10-0.37E	0.37	0.5	H(m)	10.3	8.3	7.2	5.4	-	-	-	-	-	-	-	-	-	-		
WSD20-12-0.55E	WS20-12-0.55E	0.55	0.75		12.1	10.7	9.7	7.8	5.3	-	-	-	-	-	-	-	-	-		
WSD20-15-0.75E	WS20-15-0.75E	0.75	1		15.5	13.1	12.4	10.5	8.2	-	-	-	-	-	-	-	-	-		
WSD25-15-1.1E	WS25-15-1.1E	1.1	1.5		15.1	13.5	12.7	11.1	9.1	6.6	-	-	-	-	-	-	-	-		
WSD28-18-1.5E	WS28-18-1.5E	1.5	2		18.2	16.4	15.3	13.4	11	7.7	-	-	-	-	-	-	-	-		
WSD35-15-1.5E	WS35-15-1.5E	1.5	2		15.1	13.5	13.3	12.3	10.9	9.3	7.3	4.9	-	-	-	-	-	-		
WSD35-22-2.2E	WS35-22-2.2E	2.2	3		22.0	20.3	19.5	18	16.3	14	10.9	7.2	-	-	-	-	-	-		
WSD55-17-2.2E	WS55-17-2.2E	2.2	3		17.1	16.4	15.8	15	14.2	13.3	12.2	11	9.8	8.4	6.9	5.2	-	-		
-	WS60-20-3E	3	4		20.2	19.5	18.7	17.9	17	16.1	15	13.9	12.7	11.3	9.8	8	5.8	-		
-	WS65-25-3.7E	3.7	5		25.0	24.4	23.6	22.8	21.9	20.8	19.7	18.4	16.9	15.3	13.5	11.5	9.4	7		

WS

Applications

Sewage treatment plants
Industrial draining
Agriculture irrigation

Operating conditions

Maximum fluid temperature up to +40°C

Motor and Pump

Reversible motor

Single-phase: 220 - 240V/50Hz

Three-phase: 380 - 415V/50Hz

It's available to equip with floating switch

It can work in water containing fiber

Curve tolerance according to ISO 9806

Options on request

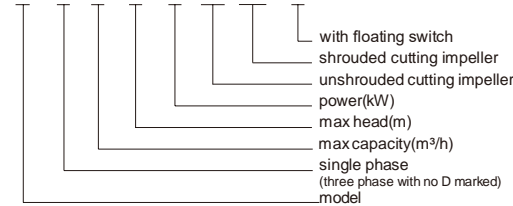
Special mechanical seal

Other voltages or frequency 60Hz

Warranty: 2 years

(according to our general sales conditions)

WS (D) 15 - 8 - 1.1 CD/BD (F)



BD
shrouded cutting impeller



CD
unshrouded cutting impeller



Components	Material
Motor external casing	AISI 304 SS
Mechanical seal	Graphite-Ceramic
Shaft	AISI 304 SS-ASTM 5140
Seal lubricant oil	Oil for food machinery and pharmaceutical use.

PERFORMANCE DATA 50Hz

MODEL		P ₂		DELIVERY n≈2850 1/min																
1 ~ 220 - 240V	3 ~ 380 - 415V	kW	HP	Q	m³/h															
					0	3	6	9	12	15	18	21	24	27	30					
WSD15-8-1.1CD	WS15-8-1.1CD	1.1	1.5	H(m)	8.2	7.6	7.0	6.2	5.1	3.7	-	-	-	-	-	-	-			
WSD18-12-1.3CD	WS18-12-1.3CD	1.3	1.8		12.1	11.6	11.0	10.3	9.5	7.8	5.8	-	-	-	-	-	-			
WSD20-12-1.5CD	WS20-12-1.5CD	1.5	2		11.7	11.6	11.3	10.7	10	9.1	7.7	6	-	-	-	-	-			
WSD25-14-1.8CD	WS25-14-1.8CD	1.8	2.5		14.0	13.6	13.1	12.6	12.0	11.3	10.4	9.4	8.1	-	-	-	-			
WSD15-10-1.1BD	WS15-10-1.1BD	1.1	1.5		10.2	9.6	8.9	8.1	6.8	5.2	-	-	-	-	-	-	-			
WSD18-14-1.3BD	WS18-14-1.3BD	1.3	1.8		14.1	13.6	12.8	11.5	10.9	8.8	6.5	-	-	-	-	-	-			
WSD20-14-1.5BD	WS20-14-1.5BD	1.5	2		14.1	13.7	13.2	12.6	11.8	10.9	9.7	7.8	-	-	-	-	-			
WSD25-16-1.8BD	WS25-16-1.8BD	1.8	2.5		16.0	15.6	15.1	14.6	14.0	13.3	12.4	11.4	10.1	-	-	-	-			
WSD30-20-2.2BD	WS30-20-2.2BD	2.2	3		19.8	19.2	18.6	17.8	16.9	16.0	15.1	13.9	12.9	11.5	10.4	-	-			

4SP

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 +50°C
Maximum sand content: 0.25%
Minimum well diameter: 4"

Motor and Pump

Rewindable motor
Single-phase: 220 - 240V/50Hz
Three-phase: 380 - 415V/50Hz
Equip with start control box or digital auto-control box
NEMA dimension standards
Curve tolerance according to ISO 9906

Options on request

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

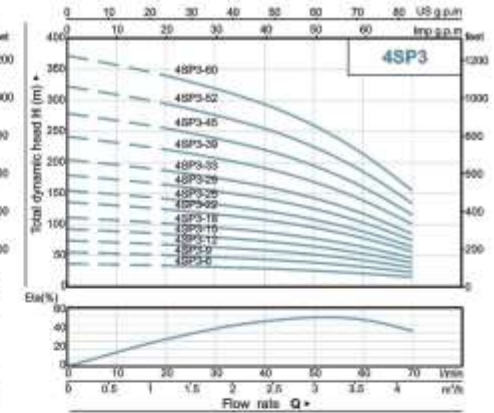
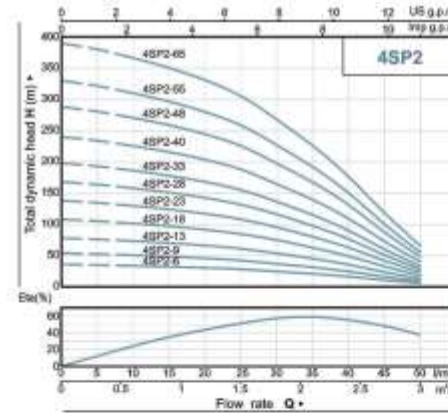
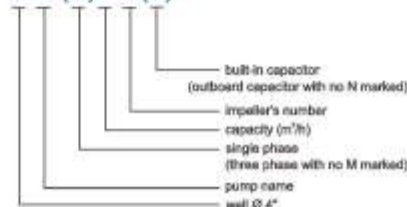
Warranty: 2 years

(according to our general sales conditions)



Components	Material
Delivery casing	AISI 304 SS
Suction lantern	AISI 304 SS
Diffuser	AISI 304 SS
Impeller	AISI 304 SS
Shaft	AISI 304 SS
Shaft coupling	AISI 304 SS
Wear ring	Rubber
Motor external casing	AISI 304 SS
Top choke	①Cast-Cu ASTM C85300 ②AISI 420 SS ③Cast-iron ASTM NO.30
Bottom support	AISI 304 SS
Mechanical seal	Special seal for deep well(Graphite-Ceramic)
Shaft	AISI 304 SS-ASTM 5140
Seal lubricant oil	Oil for food machinery and pharmaceuto use.

4 SP (M) 2-6 (N)

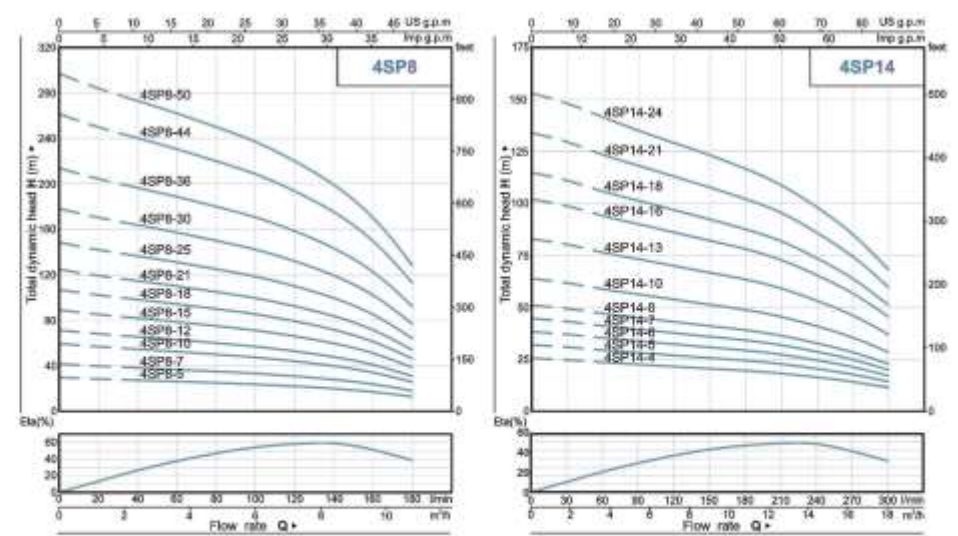
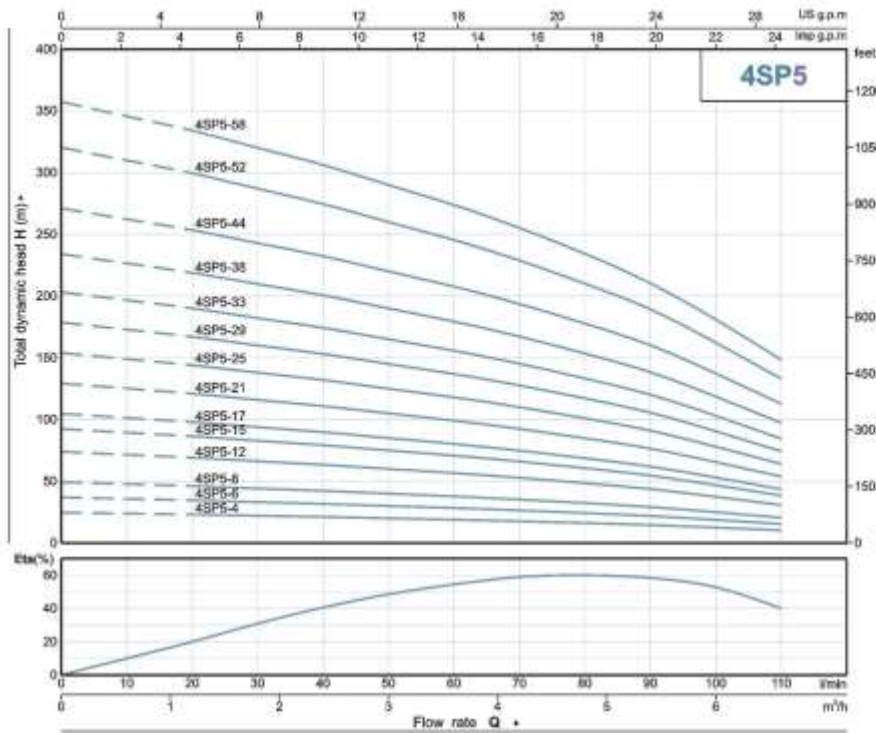


PERFORMANCE DATA 50Hz

MODEL		P ₂		DELIVERY n=2850 1/min													
1- 220 - 240V	3- 380 - 415V	kW	HP	Q	m³/h l/min												
0	0.3	0.6	0.9		1.2	1.5	1.8	2.1	2.4	2.7	3.0						
4SPM2-6	4SP2-6	0.37	0.5	0	36	35	34	32	31	28	25	21	16	11	8		
4SPM2-9	4SP2-9	0.37	0.5	5	54	53	51	48	46	42	37	31	25	17	9		
4SPM2-13	4SP2-13	0.55	0.75	10	78	76	73	70	66	61	54	45	35	24	13		
4SPM2-18	4SP2-18	0.75	1	15	106	105	102	97	92	85	75	63	49	34	18		
4SPM2-23	4SP2-23	1.1	1.5	20	138	134	130	124	117	106	96	80	63	43	23		
4SPM2-28	4SP2-28	1.3	1.75	25	168	164	158	151	143	132	116	97	76	53	28		
4SPM2-33	4SP2-33	1.5	2	30	198	193	186	178	168	155	137	115	90	62	32		
4SPM2-40	4SP2-40	1.8	2.5	35	240	234	226	215	204	188	166	139	109	75	39		
4SPM2-48	4SP2-48	2.2	3	40	288	281	271	258	244	226	199	167	131	90	47		
4SPM2-55	4SP2-55	2.6	3.5	45	330	322	311	296	280	259	228	191	150	103	54		
-	4SP2-65	3	4	50	390	380	367	350	331	306	270	228	177	122	64		

PERFORMANCE DATA 50Hz

MODEL		P ₂		DELIVERY n=2850 1/min										
1- 220 - 240V	3- 380 - 415V	kW	HP	Q	m³/h l/min									
0	0.8	1.2	1.8		2.4	3.0	3.6	4.2						
4SPM3-6	4SP3-6	0.37	0.5	0	37	36	34	32	29	26	21	16		
4SPM3-9	4SP3-9	0.55	0.75	5	56	54	51	48	44	39	32	23		
4SPM3-12	4SP3-12	0.75	1	10	74	71	68	64	59	52	43	31		
4SPM3-15	4SP3-15	0.92	1.25	15	93	89	85	80	74	65	54	39		
4SPM3-18	4SP3-18	1.1	1.5	20	112	107	102	96	88	78	64	47		
4SPM3-22	4SP3-22	1.3	1.75	25	138	131	125	117	108	95	78	57		
4SPM3-25	4SP3-25	1.5	2	30	155	149	142	133	123	108	89	65		
4SPM3-29	4SP3-29	1.8	2.5	35	180	173	164	154	142	126	103	75		
4SPM3-33	4SP3-33	2.2	3	40	206	196	187	175	162	143	118	85		
4SPM3-39	4SP3-39	2.6	3.5	45	242	232	221	207	191	169	139	101		
-	4SP3-45	3	4	50	279	268	255	239	221	195	161	116		
-	4SP3-52	3.7	5	55	322	309	295	276	255	225	185	134		
-	4SP3-60	4	5.5	60	372	357	340	319	294	260	214	155		



PERFORMANCE DATA 50Hz

MODEL		P ₂		DELIVERY n=2850 1/min														
1- 220 - 240V	3- 380 - 415V	kW	HP	Q	0	0.6	1.2	1.8	2.4	3.0	3.6	4.2	4.8	5.4	6.0	6.6	H(m)	
				m ³ /h	0	10	20	30	40	50	60	70	80	90	100	110		
4SPM5-4	4SP5-4	0.37	0.5	25	24	23	22	21	20	19	18	16	15	12	10			
4SPM5-6	4SP5-6	0.55	0.75	37	36	35	33	32	30	28	26	24	22	19	15			
4SPM5-8	4SP5-8	0.75	1	49	48	46	44	42	40	38	35	32	29	25	20			
4SPM5-12	4SP5-12	1.1	1.5	74	72	69	66	63	60	57	53	48	44	37	31			
4SPM5-15	4SP5-15	1.3	1.75	92	89	86	83	79	75	71	66	61	55	47	38			
4SPM5-17	4SP5-17	1.5	2	105	101	98	94	90	85	80	75	69	62	53	44			
4SPM5-21	4SP5-21	1.8	2.5	129	125	121	116	111	105	99	92	85	76	66	54			
4SPM5-25	4SP5-25	2.2	3	154	149	144	138	132	125	118	110	101	91	78	64			
4SPM5-29	4SP5-29	2.6	3.5	179	173	167	160	153	145	137	128	117	106	90	74			
-	4SP5-33	3	4	203	197	190	182	174	165	156	145	133	120	103	84			
-	4SP5-38	3.7	5	234	226	219	210	201	190	179	167	154	138	119	97			
-	4SP5-44	4	5.5	271	262	253	243	232	220	208	194	178	160	137	113			
-	4SP5-52	5	7	320	310	300	287	275	260	245	229	210	189	162	133			
-	4SP5-58	5.5	7.5	357	346	334	320	306	290	274	255	234	211	181	148			

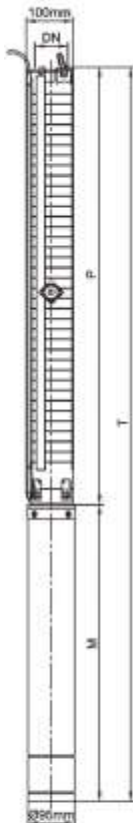
PERFORMANCE DATA 50Hz

MODEL		P ₂		DELIVERY n=2850 1/min														
1- 220 - 240V	3- 380 - 415V	kW	HP	Q	0	1.2	2.4	3.6	4.8	6.0	7.2	8.4	9.6	10.8	H(m)			
				m ³ /h	0	20	40	60	80	100	120	140	160	180				
4SPM8-5	4SP8-5	0.75	1	30	28	27	26	25	24	22	20	17	13					
4SPM8-7	4SP8-7	1.1	1.5	42	40	38	37	35	33	31	28	24	18					
4SPM8-10	4SP8-10	1.5	2	59	57	55	52	50	47	44	40	34	25					
4SPM8-12	4SP8-12	1.8	2.5	71	68	66	63	60	57	53	48	41	30					
4SPM8-15	4SP8-15	2.2	3	89	85	82	79	75	71	66	60	51	38					
-	4SP8-18	3	4	107	102	98	94	90	85	79	72	61	46					
-	4SP8-21	3.7	5	125	119	115	110	105	100	92	84	71	53					
-	4SP8-25	4	5.5	149	142	137	131	125	119	110	100	85	64					
-	4SP8-30	5	7	178	170	164	157	150	142	132	119	102	76					
-	4SP8-36	5.5	7.5	214	204	197	189	180	171	158	143	122	91					
-	4SP8-44	7	10	261	250	240	231	220	209	194	175	150	112					
-	4SP8-50	7.5	10	297	284	273	262	250	237	220	199	170	127					

PERFORMANCE DATA 50Hz

MODEL		P ₂		DELIVERY n=2850 1/min														
1- 220 - 240V	3- 380 - 415V	kW	HP	Q	0	1.8	3.6	5.4	7.2	9.0	10.8	12.6	14.4	16.2	18	H(m)		
				m ³ /h	0	30	60	90	120	150	180	210	240	270	300			
4SPM14-4	4SP14-4	1.3	1.75	26	25	24	23	22	21	20	18	16	14	11				
4SPM14-5	4SP14-5	1.5	2	32	31	29	28	27	26	24	23	20	18	14				
4SPM14-6	4SP14-6	1.8	2.5	38	37	35	34	32	31	29	27	25	21	17				
4SPM14-7	4SP14-7	2.2	3	45	43	41	39	38	36	34	32	29	25	20				
4SPM14-8	4SP14-8	2.6	3.5	51	49	47	45	43	41	39	36	33	29	23				
-	4SP14-10	3	4	64	62	59	56	54	51	49	45	41	35	28				
-	4SP14-13	4	5.5	83	80	76	73	70	67	63	59	53	46	37				
-	4SP14-16	5	7	102	99	94	90	86	82	78	73	65	57	45				
-	4SP14-18	5.5	7.5	115	111	106	101	97	92	88	82	74	64	51				
-	4SP14-21	7	10	134	130	123	118	113	108	102	95	86	74	60				
-	4SP14-24	7.5	10	153	148	141	135	129	123	117	109	97	85	68				

DIMENSION AND WEIGHT



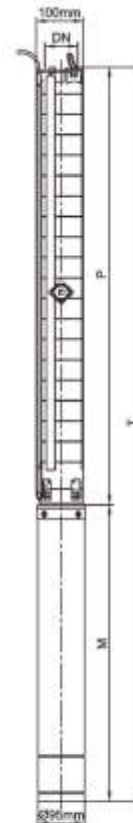
MODEL		DN	DIMENSION(mm)					WEIGHT(kg)				
1- 220 - 240V	3- 380 - 415V		P	M(s)	M(T)	T(s)	T(T)	P	M(s)	M(T)	T(s)	T(T)
4SPM2-6	4SP2-6	1½" (1½")	281	314	314	595	595	2.5	6.7	6.7	9.2	9.2
4SPM2-9	4SP2-9	1½" (1½")	344	314	314	658	658	3.1	6.7	6.7	9.8	9.8
4SPM2-13	4SP2-13	1½" (1½")	428	329	329	757	757	4.0	7.3	7.3	11.3	11.3
4SPM2-18	4SP2-18	1½" (1½")	533	359	344	892	877	5.1	6.7	8.0	13.8	13.1
4SPM2-23	4SP2-23	1½" (1½")	628	399	379	1027	1007	6.1	10.6	9.8	16.7	15.9
4SPM2-28	4SP2-28	1½" (1½")	743	424	424	1167	1167	7.2	11.7	11.7	18.9	18.9
4SPM2-33	4SP2-33	1½" (1½")	848	449	424	1297	1272	8.1	12.9	11.7	21.0	19.8
4SPM2-40	4SP2-40	1½" (1½")	985	502	514	1497	1509	9.8	15.7	15.7	25.5	25.5
4SPM2-48	4SP2-48	1½" (1½")	1183	542	514	1705	1677	11.5	17.7	15.7	29.2	27.2
4SPM2-55	4SP2-55	1½" (1½")	1310	594	554	1904	1864	13.0	19.8	17.7	32.8	30.7
-	4SP2-65	1½" (1½")	1620	-	594	-	2114	15.2	-	19.8	-	35.0

MODEL		DN	DIMENSION(mm)					WEIGHT(kg)				
1- 220 - 240V	3- 380 - 415V		P	M(s)	M(T)	T(s)	T(T)	P	M(s)	M(T)	T(s)	T(T)
4SPM3-6	4SP3-6	1½" (1½")	281	314	314	595	595	2.5	6.7	6.7	9.2	9.2
4SPM3-9	4SP3-9	1½" (1½")	344	329	329	673	673	3.2	7.3	7.3	10.5	10.5
4SPM3-12	4SP3-12	1½" (1½")	407	359	344	766	751	3.8	8.7	8.0	12.5	11.8
4SPM3-15	4SP3-15	1½" (1½")	470	379	379	849	849	4.5	9.8	9.8	14.3	14.3
4SPM3-18	4SP3-18	1½" (1½")	533	399	379	932	912	5.1	10.8	9.8	15.7	14.9
4SPM3-22	4SP3-22	1½" (1½")	617	424	424	1041	1041	6.0	11.7	11.7	17.7	17.7
4SPM3-25	4SP3-25	1½" (1½")	680	449	424	1129	1104	6.6	12.9	11.7	19.5	18.3
4SPM3-29	4SP3-29	1½" (1½")	764	502	514	1266	1278	7.5	15.7	15.7	23.2	23.2
4SPM3-33	4SP3-33	1½" (1½")	848	542	514	1390	1362	8.4	17.7	15.7	26.1	24.1
4SPM3-39	4SP3-39	1½" (1½")	974	594	554	1568	1528	9.7	19.8	17.7	29.5	27.4
-	4SP3-45	1½" (1½")	1100	-	594	-	1694	11.0	-	19.8	-	30.8
-	4SP3-52	1½" (1½")	1247	-	658	-	1905	12.5	-	21.4	-	33.9
-	4SP3-60	1½" (1½")	1415	-	698	-	2113	14.3	-	23.7	-	38.0

MODEL		DN	DIMENSION(mm)					WEIGHT(kg)				
1- 220 - 240V	3- 380 - 415V		P	M(s)	M(T)	T(s)	T(T)	P	M(s)	M(T)	T(s)	T(T)
4SPM5-4	4SP5-4	1½" (1½")	251	314	314	565	565	2.2	6.7	6.7	8.9	8.9
4SPM5-6	4SP5-6	1½" (1½")	299	329	329	628	628	2.6	7.3	7.3	9.9	9.9
4SPM5-8	4SP5-8	1½" (1½")	347	359	344	706	691	3.1	8.7	8.0	11.8	11.1
4SPM5-12	4SP5-12	1½" (1½")	443	399	379	842	822	4.0	10.6	9.8	14.6	13.8
4SPM5-15	4SP5-15	1½" (1½")	515	424	424	939	939	4.7	11.7	11.7	16.4	16.4
4SPM5-17	4SP5-17	1½" (1½")	563	449	424	1012	987	5.1	12.9	11.7	18.0	16.8
4SPM5-21	4SP5-21	1½" (1½")	659	502	514	1161	1173	6.1	15.7	15.7	21.8	21.8
4SPM5-25	4SP5-25	1½" (1½")	755	542	514	1297	1289	7.0	17.7	15.7	24.7	22.7
4SPM5-29	4SP5-29	1½" (1½")	851	594	554	1445	1405	7.9	19.8	17.7	27.7	25.6
-	4SP5-33	1½" (1½")	947	-	594	-	1541	8.8	-	19.8	-	28.6
-	4SP5-38	1½" (1½")	1067	-	658	-	1725	10.0	-	21.4	-	31.4
-	4SP5-44	1½" (1½")	1209	-	698	-	1906	11.3	-	23.7	-	35.0
-	4SP5-52	1½" (1½")	1397	-	738	-	2135	13.2	-	25.5	-	38.7
-	4SP5-58	1½" (1½")	1538	-	788	-	2326	14.5	-	28.0	-	42.5

• M(s) is single phase motor, M(T) is three phase motor;
 • T(s) is single phase motor, T(T) is three phase motor.

DIMENSION AND WEIGHT



MODEL		DN	DIMENSION(mm)					WEIGHT(kg)				
1- 220 - 240V	3- 380 - 415V		P	M(s)	M(T)	T(s)	T(T)	P	M(s)	M(T)	T(s)	T(T)
4SPM8-6	4SP8-6	1½" (1½")	415	359	344	774	759	4.4	8.7	8.0	13.1	12.4
4SPM8-7	4SP8-7	1½" (1½")	499	399	379	898	878	5.0	10.6	9.8	15.6	14.8
4SPM8-10	4SP8-10	1½" (1½")	625	449	424	1074	1049	6.0	12.9	11.7	18.9	17.7
4SPM8-12	4SP8-12	1½" (1½")	709	502	514	1211	1223	6.7	15.7	15.7	22.4	22.4
4SPM8-15	4SP8-15	1½" (1½")	835	542	514	1377	1349	7.7	17.7	15.7	25.4	23.4
-	4SP8-18	1½" (1½")	961	-	594	-	1555	8.7	-	19.8	-	28.5
-	4SP8-21	1½" (1½")	1087	-	658	-	1745	9.7	-	21.4	-	31.1
-	4SP8-25	1½" (1½")	1213	-	698	-	1911	10.7	-	23.7	-	34.4
-	4SP8-30	1½" (1½")	1485	-	738	-	2203	12.7	-	25.5	-	38.2
-	4SP8-36	1½" (1½")	1717	-	788	-	2505	14.7	-	28.0	-	42.7
-	4SP8-44	1½" (1½")	2053	-	848	-	2901	17.4	-	30.0	-	47.4
-	4SP8-50	1½" (1½")	2305	-	908	-	3213	18.4	-	34.0	-	52.4

MODEL		DN	DIMENSION(mm)					WEIGHT(kg)				
1- 220 - 240V	3- 380 - 415V		P	M(s)	M(T)	T(s)	T(T)	P	M(s)	M(T)	T(s)	T(T)
4SPM14-4	4SP14-4	1½" (1½")	544	424	424	968	968	4.1	11.7	11.7	15.8	15.8
4SPM14-5	4SP14-5	1½" (1½")	628	449	424	1077	1052	4.4	12.9	11.7	17.3	16.1
4SPM14-6	4SP14-6	1½" (1½")	754	514	514	1268	1268	4.7	15.7	15.7	20.4	20.4
4SPM14-7	4SP14-7	1½" (1½")	838	554	514	1382	1352	5.0	17.7	15.7	22.7	20.7
4SPM14-8	4SP14-8	1½" (1½")	922	594	554	1516	1476	5.3	19.8	17.7	25.1	23.0
-	4SP14-19	1½" (1½")	1006	-	594	-	1600	6.0	-	19.8	-	25.8
-	4SP14-13	1½" (1½")	1258	-	669	-	1927	7.0	-	23.7	-	30.7
-	4SP14-16	1½" (1½")	1510	-	709	-	2219	7.9	-	25.5	-	33.4
-	4SP14-18	1½" (1½")	1678	-	788	-	2486	8.5	-	28.0	-	36.5
-	4SP14-21	1½" (1½")	1930	-	848	-	2778	9.4	-	30.0	-	39.4
-	4SP14-24	1½" (1½")	2182	-	908	-	3090	10.3	-	34.0	-	44.3

• M(s) is single phase motor, M(T) is three phase motor;
 • T(s) is single phase motor, T(T) is three phase motor.

5SD/5SS

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%
Minimum well diameter: 5"

Motor and Pump

Rewindable motor
Single-phase: 220 - 240V/50Hz
Three-phase: 380 - 415V/50Hz
Equip with start control box or digital auto-control box
Curve tolerance according to ISO 9906

Options on request

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

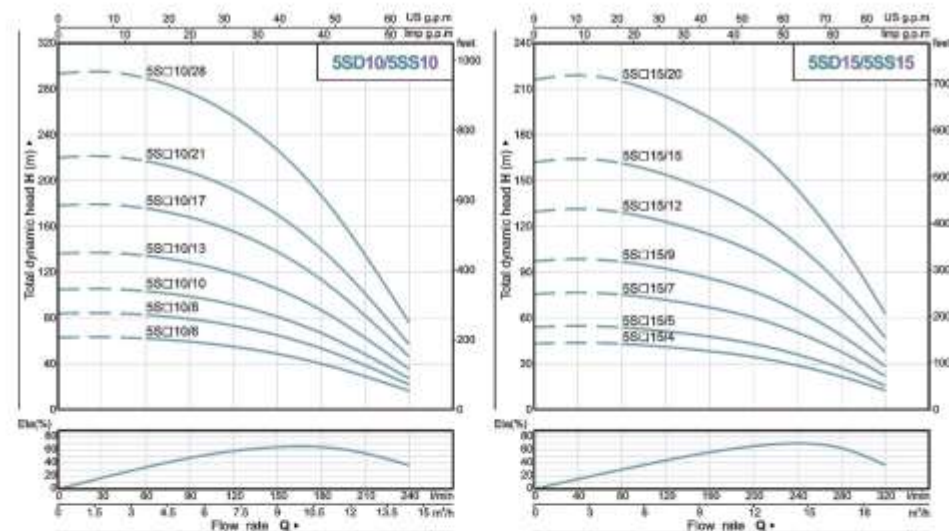
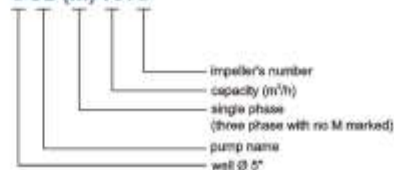
Warranty: 2 years

(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	AISI 304 SS
Shaft coupling	AISI 304 SS
Wear ring	AISI 304 SS
Motor external casing	AISI 304 SS
Top check	Cast-Cu ASTM C85500
Bottom support	Cast-iron ASTM NO 30
Mechanical seal	AISI 304 SS
Mechanical seal	Special seal for deep well(Graphite-Ceramic)
Shaft	AISI 304 SS-ASTM 3140
Seal lubricant oil	Oil for food machinery and pharmaceutical use.

5 SD (M) 10 / 5



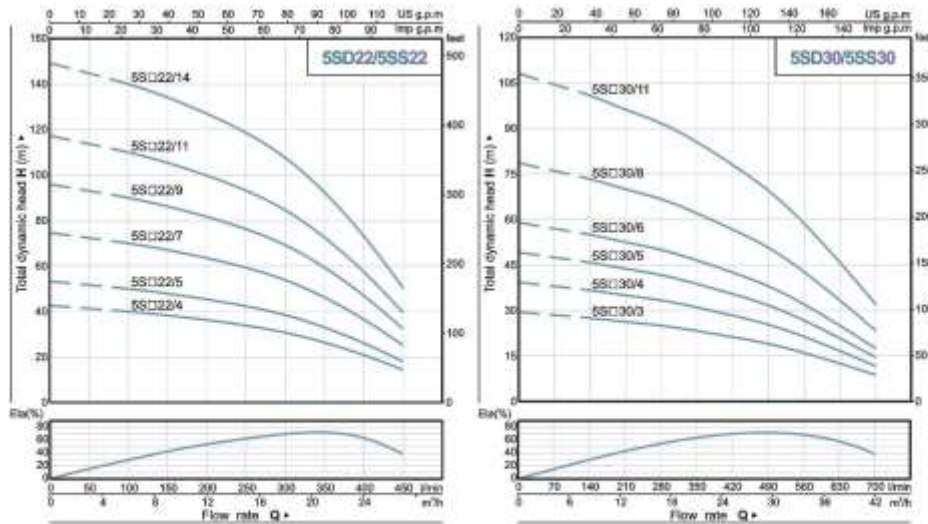
PERFORMANCE DATA 50Hz

MODEL		P ₂		DELIVERY n=2850 1/min											
1~ 220 - 240V	3~ 380 - 415V	kW	HP	Q	H(m)										
					m ³ /h	0	1.8	3.6	5.4	7.2	9.0	10.8	12.6	14.4	
SS□M10/6	SS□10/6	1.5	2	l/min	0	30	60	90	120	150	180	210	240		
SS□M10/6	SS□10/6	2.2	3		63	63	62	59	55	49	40	29	18		
SS□M10/10	SS□10/10	3	4		84	84	83	79	73	65	53	39	22		
-	SS□10/13	4	5.5		105	105	103	99	91	81	67	48	27		
-	SS□10/17	5.5	7.5		136	137	134	128	119	106	87	63	35		
-	SS□10/21	7.5	10		178	179	175	168	155	138	114	82	46		
-	SS□10/28	11	15		220	221	217	207	192	170	140	101	57		
					293	295	289	276	256	227	187	135	76		

PERFORMANCE DATA 50Hz

MODEL		P ₂		DELIVERY n=2850 1/min											
1~ 220 - 240V	3~ 380 - 415V	kW	HP	Q	H(m)										
					m ³ /h	0	2.4	4.8	7.2	9.6	12.0	14.4	16.8	19.2	
SS□M15/4	SS□15/4	1.5	2	l/min	0	40	80	120	160	200	240	280	320		
SS□M15/5	SS□15/5	2.2	3		43	44	43	41	38	34	29	22	13		
SS□M15/7	SS□15/7	3	4		54	55	54	51	48	43	36	27	17		
-	SS□15/9	4	5.5		76	77	75	72	67	60	50	38	23		
-	SS□15/12	5.5	7.5		97	99	97	92	86	77	65	49	30		
-	SS□15/15	7.5	10		130	131	129	123	115	103	86	65	40		
-	SS□15/20	11	15		182	184	181	154	143	129	108	81	50		
					216	219	215	205	191	172	144	108	67		

* SS□ in the above table can be replaced by any of 5SD, 5SS



PERFORMANCE DATA 50Hz

MODEL		P ₂		DELIVERY n≈2850 1/min													
1- 220 - 240V	3- 380 - 415V	kW	HP	Q m³/h l/min	H(m)												
					0	3	6	9	12	15	18	21	24	27			
5S□M22/4	5S□22/4	2.2	3	0	50	100	150	200	250	300	350	400	450				
5S□M22/5	5S□22/5	3	4	43	41	40	38	36	34	31	26	21	14				
-	5S□22/7	4	5.5	53	52	50	48	45	43	39	33	26	18				
-	5S□22/9	5.5	7.5	75	72	70	67	64	60	54	46	37	25				
-	5S□22/11	7.5	10	96	93	90	86	82	77	69	59	47	32				
-	5S□22/14	11	15	117	114	110	105	100	94	85	72	57	39				
				149	145	140	134	127	119	108	92	73	50				

PERFORMANCE DATA 50Hz

MODEL		P ₂		DELIVERY n≈2850 1/min																	
1- 220 - 240V	3- 380 - 415V	kW	HP	Q m³/h l/min	H(m)																
					0	4.2	8.4	12.6	16.8	21.0	25.2	29.4	33.6	37.8	42						
5S□M30/3	5S□30/3	2.2	3	0	70	140	210	280	350	420	490	560	630	700							
5S□M30/4	5S□30/4	3	4	29	29	28	26	25	23	21	19	16	13	9							
-	5S□30/5	4	5.5	39	38	37	35	33	31	28	25	21	17	12							
-	5S□30/6	5.5	7.5	49	48	46	44	42	39	35	32	27	21	15							
-	5S□30/8	7.5	10	59	57	55	52	50	46	43	38	32	25	17							
-	5S□30/11	11	15	79	76	73	70	67	62	57	51	43	33	23							
				108	105	101	96	92	85	78	70	59	46	32							

• 5S□ in the above table can be replaced by any of 5S0, 5S8

DIMENSION AND WEIGHT



MODEL		DN	DIMENSION(mm)					WEIGHT(kg)				
1- 220 - 240V	3- 380 - 415V		P	M(s)	M(r)	T(s)	T(r)	P	M(s)	M(r)	T(s)	T(r)
5S□M10/6	5S□10/6	2"	500	391	388	891	886	4.8	17.5	16.4	22.1	21.0
5S□M10/8	5S□10/8	2"	567	451	421	1018	988	5.1	20.7	19.6	25.8	24.7
5S□M10/10	5S□10/10	2"	636	501	461	1136	1096	5.5	23.4	22.3	28.9	27.8
-	5S□10/13	2"	737	-	521	-	1258	6.2	-	27.1	-	33.3
-	5S□10/17	2"	872	-	591	-	1463	7.6	-	32.5	-	40.1
-	5S□10/21	2"	1008	-	681	-	1689	9.0	-	38.5	-	47.5
-	5S□10/28	2"	1245	-	811	-	2056	11.5	-	45.6	-	57.1

MODEL		DN	DIMENSION(mm)					WEIGHT(kg)				
1- 220 - 240V	3- 380 - 415V		P	M(s)	M(r)	T(s)	T(r)	P	M(s)	M(r)	T(s)	T(r)
5S□M15/4	5S□15/4	2 1/2"	455	391	388	848	841	4.5	17.5	16.4	22.0	20.9
5S□M15/5	5S□15/5	2 1/2"	493	451	421	944	914	4.9	20.7	19.6	25.6	24.5
5S□M15/7	5S□15/7	2 1/2"	570	501	461	1071	1031	5.2	23.4	22.3	28.6	27.5
-	5S□15/9	2 1/2"	647	-	521	-	1168	6.3	-	27.1	-	33.4
-	5S□15/12	2 1/2"	762	-	591	-	1353	7.4	-	32.5	-	39.9
-	5S□15/15	2 1/2"	877	-	681	-	1558	8.5	-	38.5	-	47.0
-	5S□15/20	2 1/2"	1069	-	811	-	1880	10.3	-	45.6	-	55.9

MODEL		DN	DIMENSION(mm)					WEIGHT(kg)				
1- 220 - 240V	3- 380 - 415V		P	M(s)	M(r)	T(s)	T(r)	P	M(s)	M(r)	T(s)	T(r)
5S□M22/4	5S□22/4	2 1/2"	486	451	421	937	907	5.2	20.7	19.6	25.9	24.8
5S□M22/5	5S□22/5	2 1/2"	532	501	461	1033	993	5.6	23.4	22.3	29.0	27.9
-	5S□22/7	2 1/2"	625	-	521	-	1146	6.1	-	27.1	-	33.2
-	5S□22/9	2 1/2"	718	-	591	-	1309	7.0	-	32.5	-	39.5
-	5S□22/11	2 1/2"	811	-	681	-	1482	7.9	-	38.5	-	46.4
-	5S□22/14	2 1/2"	950	-	811	-	1781	8.8	-	45.6	-	54.4

MODEL		DN	DIMENSION(mm)					WEIGHT(kg)				
1- 220 - 240V	3- 380 - 415V		P	M(s)	M(r)	T(s)	T(r)	P	M(s)	M(r)	T(s)	T(r)
5S□M30/3	5S□30/3	2 1/2"	461	451	421	912	882	4.9	20.7	19.6	25.6	24.5
5S□M30/4	5S□30/4	2 1/2"	515	491	461	1006	976	5.3	23.4	22.3	28.7	27.6
-	5S□30/5	2 1/2"	569	-	521	-	1090	5.6	-	27.1	-	32.9
-	5S□30/6	2 1/2"	623	-	591	-	1214	6.7	-	32.5	-	39.2
-	5S□30/8	2 1/2"	731	-	681	-	1412	7.6	-	38.5	-	46.1
-	5S□30/11	2 1/2"	893	-	811	-	1704	8.5	-	45.6	-	54.1

• M(s) is single phase motor, M(r) is three phase motor.
• T(s) is single phase motor, T(r) is three phase motor.