

4SD

Typical Applications

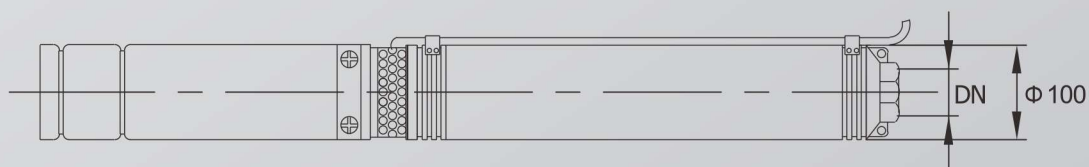
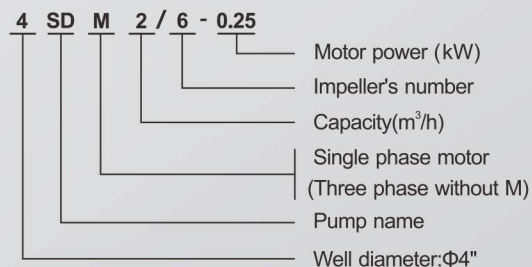
- Water supply system
- Booster
- Garden and farm irrigation
- Lowering underground water level
- Various industrial applications

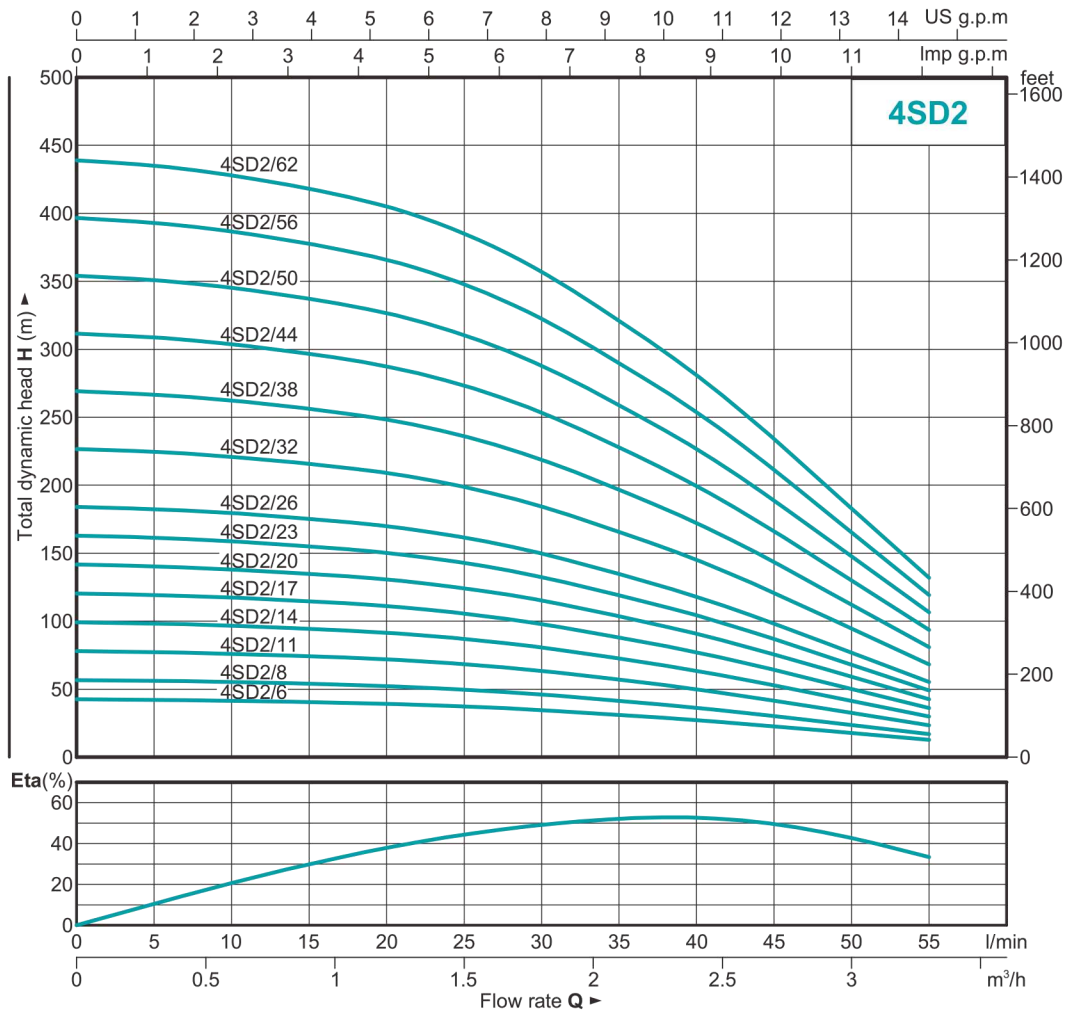
Pump

Model	Q.max	Capacity arrange	Total head arrange
4SD2	4	0.6~3	428~18
4SD3	5.3	1.2~4.2	430~12
4SD4	6.5	1.2~5.4	407~13
4SD6	9.5	2.4~7.2	335~13
4SD8	12	2.4~9.6	249~13
4SD10	14	3.6~10.8	202~12
4SD12	17.5	3.6~14.4	180~9
4SD16	24	6~18	130~9

Motor

- Adopted the NEMA standard
- Continuous service
- Power: 0.25~2.6kW(Single phase)
- Power: 0.25~7.5kW(Three phase)
- Insulation class: B
- Protection grade: IP 68
- Minimum well diameter: $\Phi 4"$
- Highest temperature of liquid: 40°C

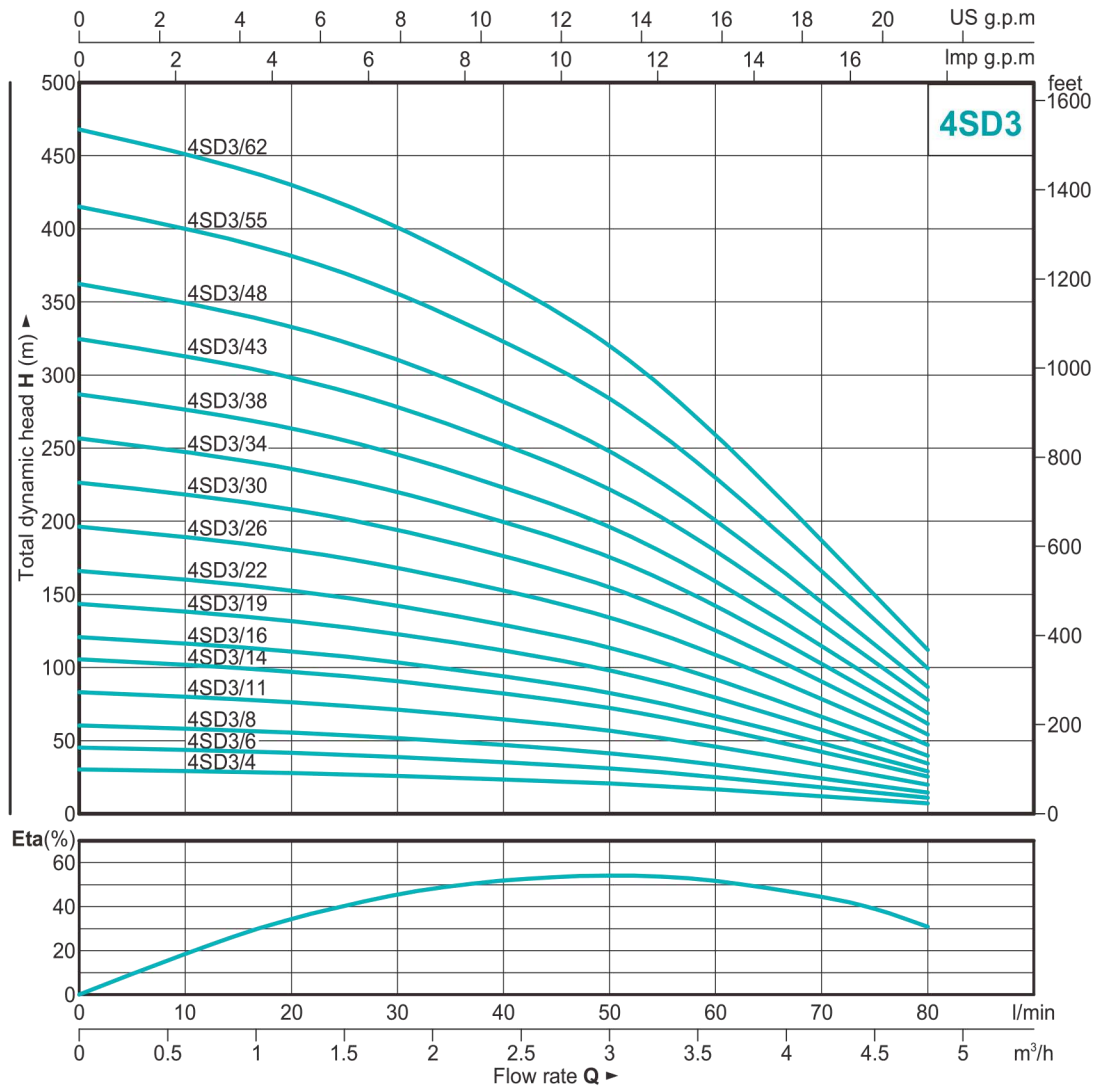




PERFORMANCE DATA 50Hz

Outlet: G1¼"~G2"

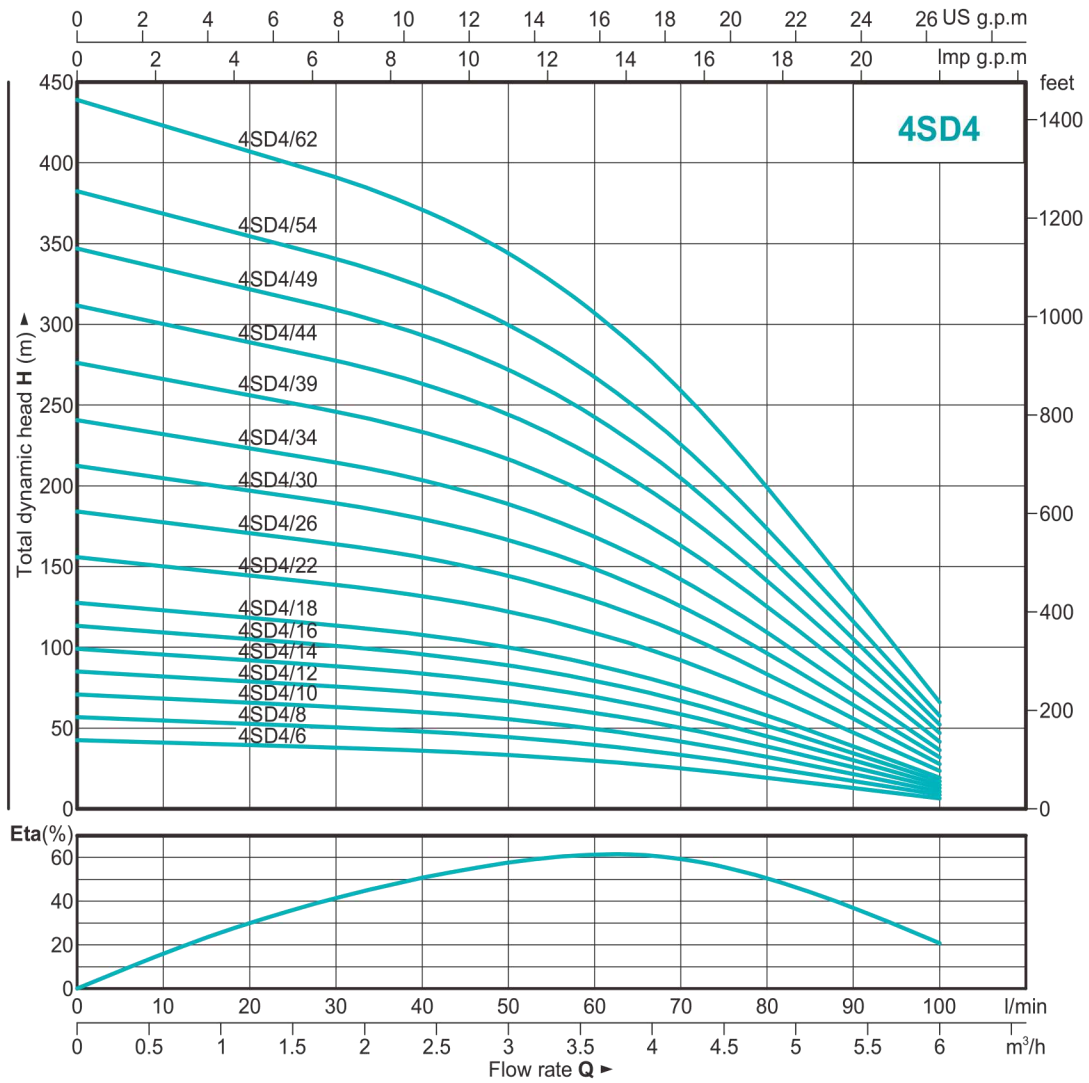
MODEL		P ₂		DELIVERY $n \approx 2850$ 1/min													
1~ 220V-240V	3~ 380-415V	kW	HP	Q	m³/h	0	0.3	0.6	0.9	1.2	1.5	1.8	2.1	2.4	2.7	3	3.3
					l/min	0	5	10	15	20	25	30	35	40	45	50	55
4SDM2/6	4SD2/6	0.25	0.33	H(m)	42	42	41	40	39	37	35	31	27	23	18	13	
4SDM2/8	4SD2/8	0.37	0.5		57	56	55	54	52	50	46	41	36	30	24	17	
4SDM2/11	4SD2/11	0.55	0.75		78	77	76	74	72	68	63	57	50	42	32	23	
4SDM2/14	4SD2/14	0.75	1		99	98	97	94	91	87	81	72	63	53	41	30	
4SDM2/17	4SD2/17	0.92	1.25		120	119	117	115	111	106	98	88	77	64	50	36	
4SDM2/20	4SD2/20	1.1	1.5		142	140	138	135	131	124	115	104	91	75	59	43	
4SDM2/23	4SD2/23	1.3	1.75		163	161	159	155	150	143	132	119	104	87	68	49	
4SDM2/26	4SD2/26	1.5	2		184	182	179	175	170	161	150	135	118	98	77	55	
4SDM2/32	4SD2/32	1.8	2.5		227	225	221	216	209	199	184	166	145	121	94	68	
4SDM2/38	4SD2/38	2.2	3		269	267	262	256	248	236	219	197	172	143	112	81	
4SDM2/44	4SD2/44	2.6	3.5		312	309	304	297	287	273	253	228	199	166	130	94	
—	4SD2/50	3	4		354	351	345	337	327	310	288	259	227	189	148	106	
—	4SD2/56	3.7	5		397	393	387	378	366	348	322	290	254	211	165	119	
—	4SD2/62	4	5.5		439	435	428	418	405	385	357	321	281	234	183	132	



PERFORMANCE DATA 50Hz

Outlet: G1 $\frac{1}{4}$ "~G2"

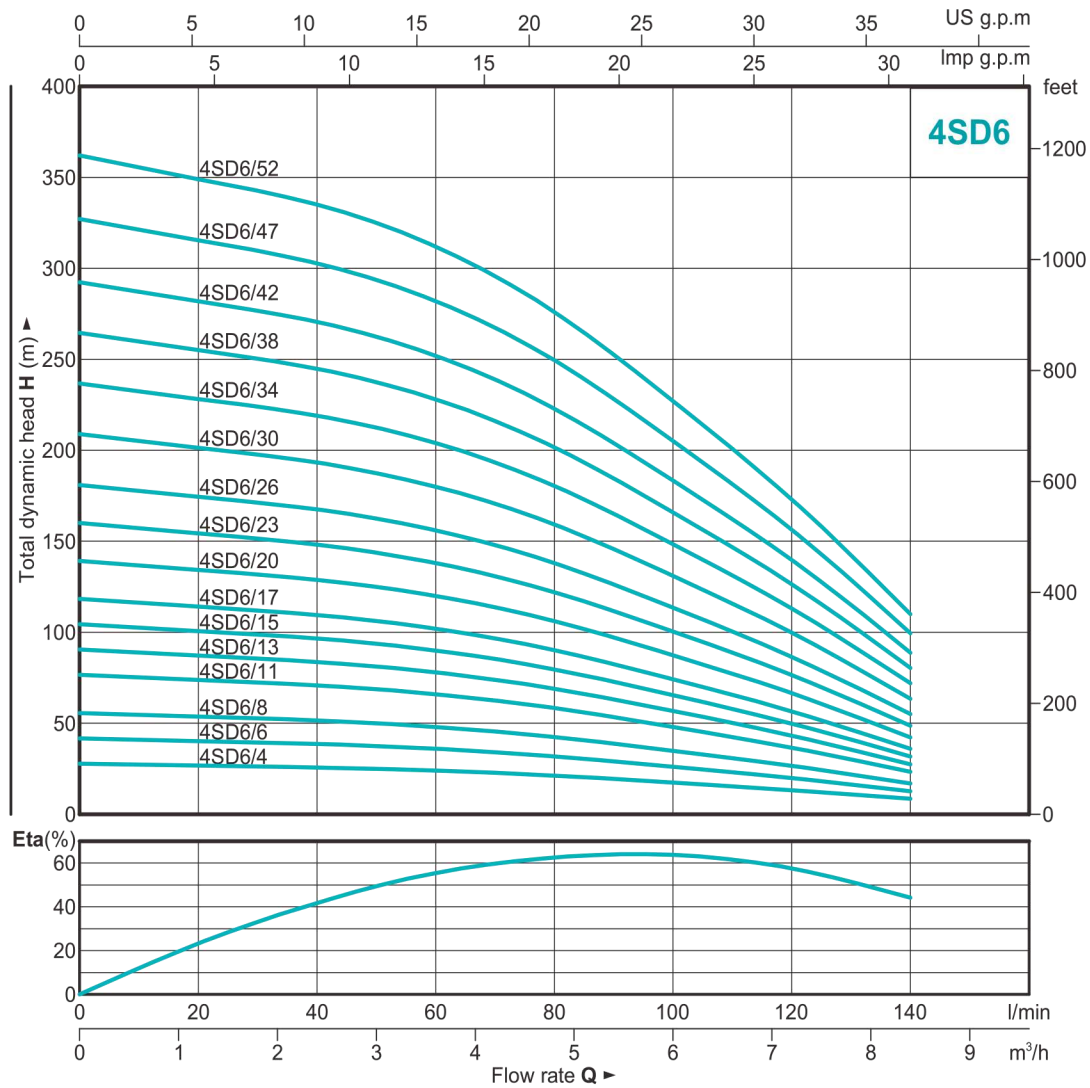
MODEL		P ₂		DELIVERY n≈2850 1/min										
1~ 220V-240V	3~ 380-415V	kW	HP	Q	m³/h	0	0.6	1.2	1.8	2.4	3	3.6	4.2	4.8
					l/min	0	10	20	30	40	50	60	70	80
4SDM3/4	4SD3/4	0.25	0.33	H(m)	30	29	28	26	23	21	17	12	7	
4SDM3/6	4SD3/6	0.37	0.5		45	44	42	39	35	31	25	18	11	
4SDM3/8	4SD3/8	0.55	0.75		60	58	55	52	47	41	33	24	14	
4SDM3/11	4SD3/11	0.75	1		83	80	76	71	65	57	46	33	20	
4SDM3/14	4SD3/14	0.92	1.25		106	102	97	91	82	72	58	42	25	
4SDM3/16	4SD3/16	1.1	1.5		121	116	111	103	94	83	67	48	29	
4SDM3/19	4SD3/19	1.3	1.75		143	138	132	123	112	98	79	57	34	
4SDM3/22	4SD3/22	1.5	2		166	160	153	142	129	114	92	66	40	
4SDM3/26	4SD3/26	1.8	2.5		196	189	180	168	153	134	109	78	47	
4SDM3/30	4SD3/30	2.2	3		226	218	208	194	176	155	125	90	54	
4SDM3/34	4SD3/34	2.6	3.5		257	247	236	220	200	175	142	103	61	
—	4SD3/38	3	4		287	276	264	246	223	196	159	115	69	
—	4SD3/43	3.7	5		325	313	298	278	252	222	180	130	78	
—	4SD3/48	4	5.5		362	349	333	310	282	248	201	145	87	
—	4SD3/55	5	7		415	400	381	356	323	284	230	166	99	
—	4SD3/62	5.5	7.5		468	451	430	401	364	320	259	187	112	



PERFORMANCE DATA 50Hz

Outlet: G1¼"~G2"

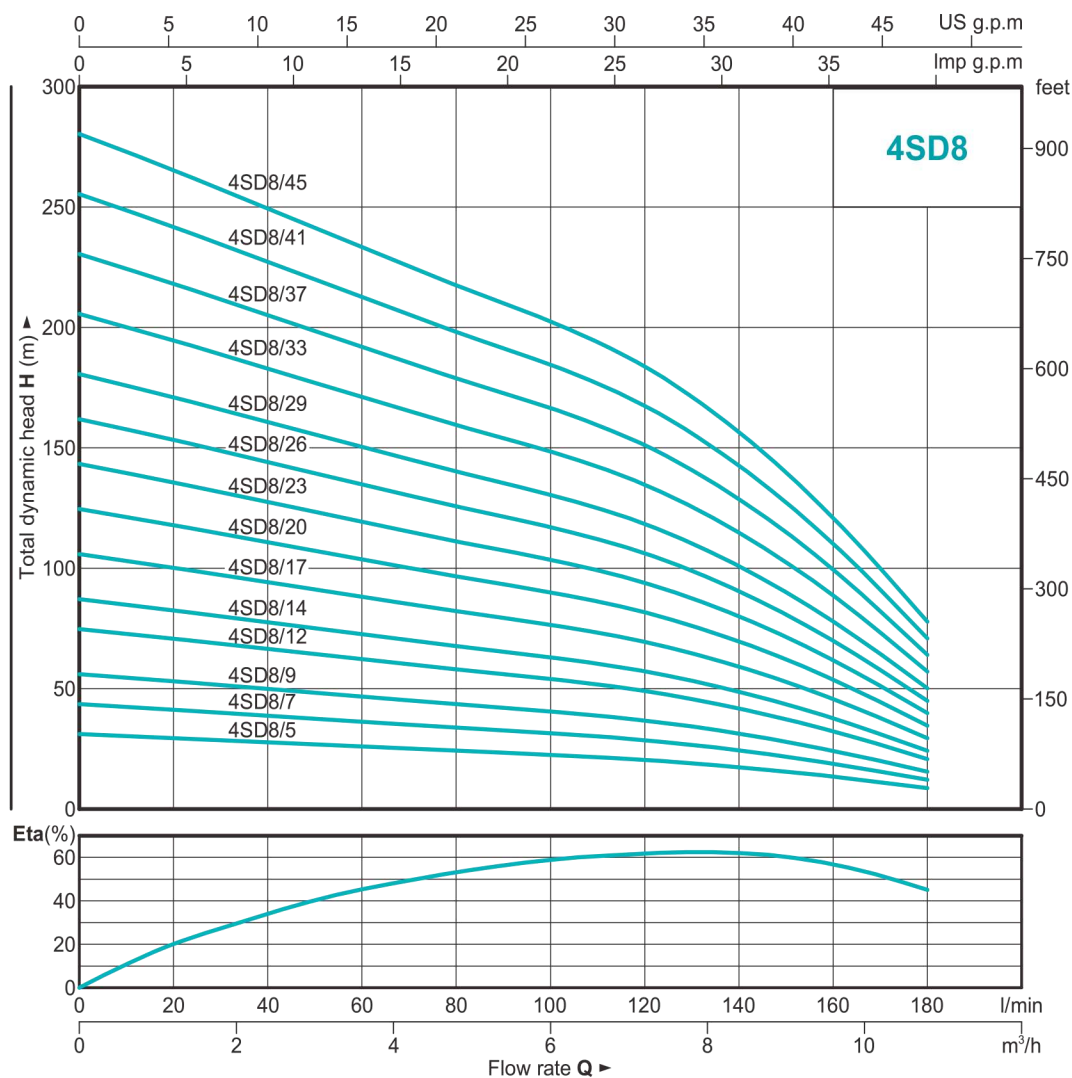
MODEL		P ₂		DELIVERY n≈2850 1/min												
1~ 220V-240V	3~ 380-415V	kW	HP	Q	m³/h	0	0.6	1.2	1.8	2.4	3	3.6	4.2	4.8	5.4	6
					l/min	0	10	20	30	40	50	60	70	80	90	100
4SDM4/6	4SD4/6	0.37	0.5	H(m)		42	41	39	38	36	33	30	25	19	13	6
4SDM4/8	4SD4/8	0.55	0.75			57	55	53	50	48	44	40	33	26	17	9
4SDM4/10	4SD4/10	0.75	1			71	68	66	63	60	55	50	42	32	21	11
4SDM4/12	4SD4/12	0.92	1.25			85	82	79	76	72	67	59	50	39	26	13
4SDM4/14	4SD4/14	1.1	1.5			99	96	92	88	84	78	69	58	45	30	15
4SDM4/16	4SD4/16	1.3	1.75			113	109	105	101	96	89	79	67	51	34	17
4SDM4/18	4SD4/18	1.5	2			127	123	118	114	108	100	89	75	58	39	19
4SDM4/22	4SD4/22	1.8	2.5			156	150	144	139	132	122	109	92	71	47	23
4SDM4/26	4SD4/26	2.2	3			184	177	171	164	156	144	129	109	83	56	28
4SDM4/30	4SD4/30	2.6	3.5			212	205	197	189	180	166	149	125	96	64	32
—	4SD4/34	3	4			241	232	223	214	203	189	168	142	109	73	36
—	4SD4/39	3.7	5			276	266	256	246	233	216	193	163	125	84	42
—	4SD4/44	4	5.5			312	300	289	277	263	244	218	184	141	94	47
—	4SD4/49	5	7			347	334	322	309	293	272	243	205	157	105	52
—	4SD4/54	5.5	7.5			382	368	354	341	323	300	267	226	173	116	57
—	4SD4/62	7.5	10			439	423	407	391	371	344	307	259	199	133	66



PERFORMANCE DATA 50Hz

Outlet: G1¼"~G2"

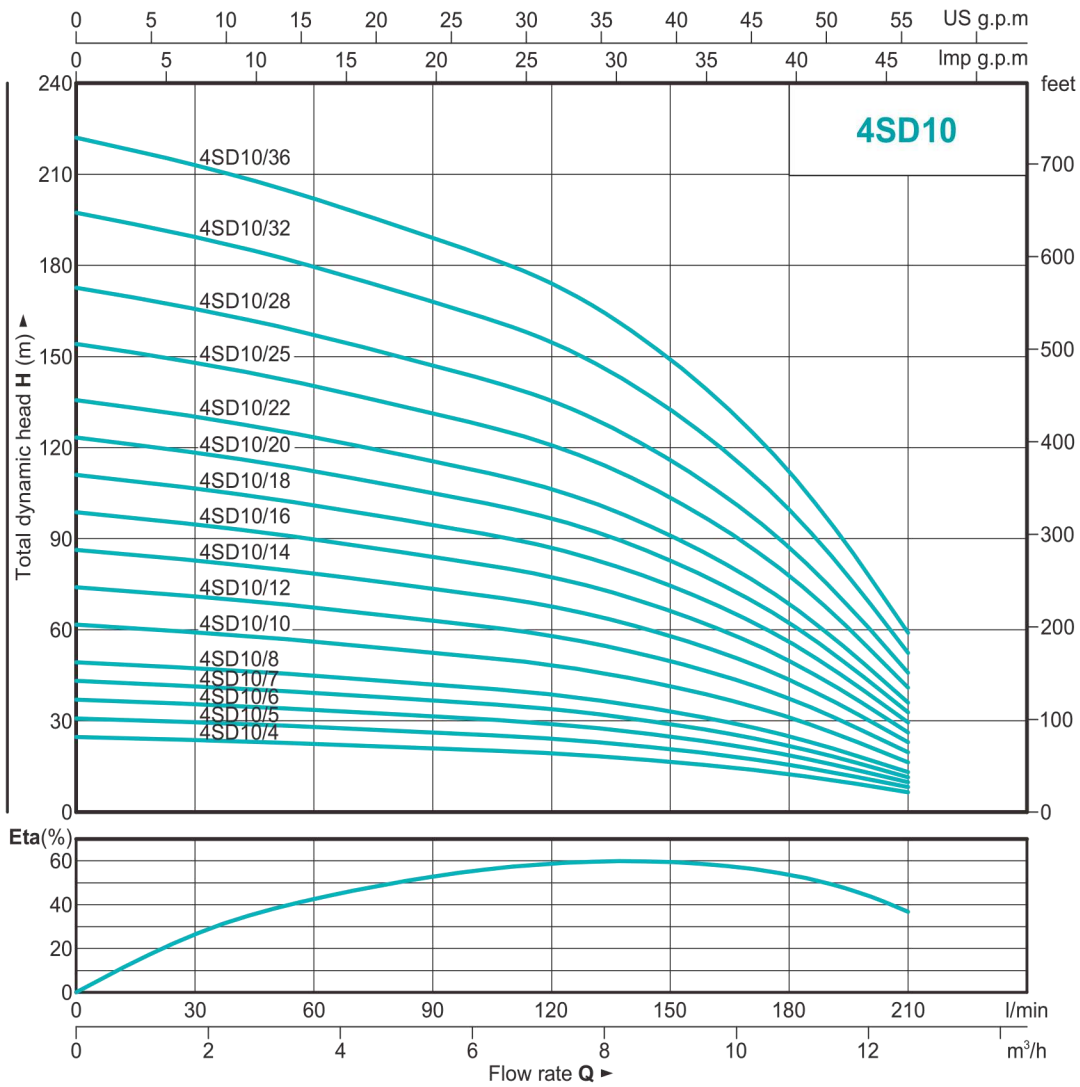
MODEL		P ₂		DELIVERY n≈2850 1/min									
1~ 220V-240V	3~ 380-415V	kW	HP	Q	m³/h l/min	0	1.2	2.4	3.6	4.8	6	7.2	8.4
						0	20	40	60	80	100	120	140
4SDM6/4	4SD6/4	0.37	0.5	H(m)		28	27	26	24	21	17	13	8
4SDM6/6	4SD6/6	0.55	0.75			42	40	39	36	32	26	20	13
4SDM6/8	4SD6/8	0.75	1			56	54	52	48	42	35	27	17
4SDM6/11	4SD6/11	1.1	1.5			77	74	71	66	58	48	37	23
4SDM6/13	4SD6/13	1.3	1.75			90	87	84	78	69	57	43	27
4SDM6/15	4SD6/15	1.5	2			104	101	97	90	80	65	50	32
4SDM6/17	4SD6/17	1.8	2.5			118	114	110	102	90	74	57	36
4SDM6/20	4SD6/20	2.2	3			139	134	129	120	106	87	67	42
4SDM6/23	4SD6/23	2.6	3.5			160	154	148	138	122	100	77	49
—	4SD6/26	3	4			181	175	168	156	138	113	86	55
—	4SD6/30	3.7	5			209	201	193	180	159	131	100	63
	4SD6/34	4	5.5			237	228	219	204	180	148	113	72
	4SD6/38	5	7			265	255	245	228	202	166	126	80
	4SD6/42	5.5	7.5			292	282	271	252	223	183	140	89
	4SD6/47	6.8	9			327	315	303	282	249	205	156	99
	4SD6/52	7.5	10			362	349	335	312	276	227	173	110



PERFORMANCE DATA 50Hz

Outlet: G1¼"~G2"

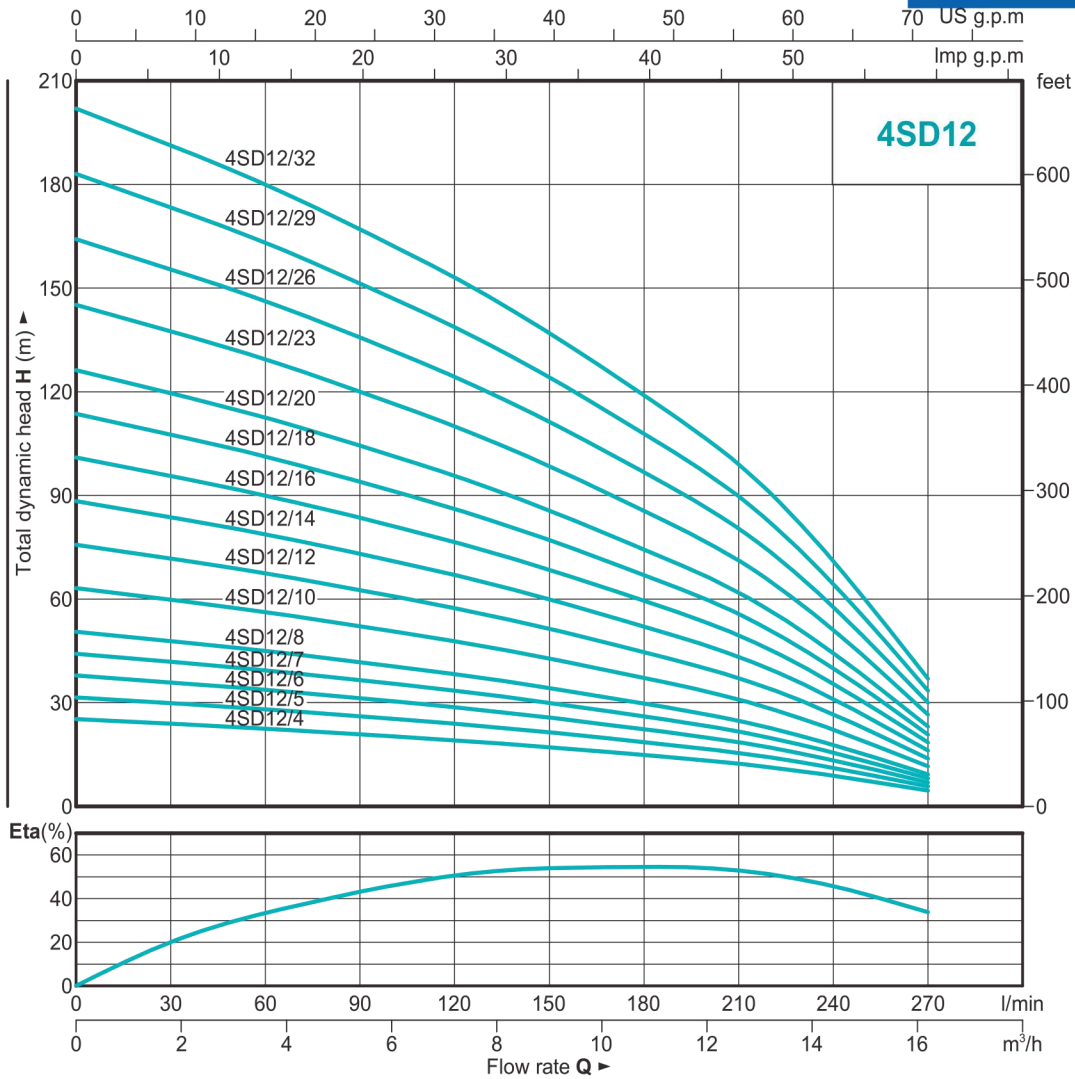
MODEL		P ₂		DELIVERY n≈2850 1/min											
1~ 220V-240V	3~ 380-415V	KW	HP	Q	m³/h	0	1.2	2.4	3.6	4.8	6	7.2	8.4	9.6	10.8
					l/min	0	20	40	60	80	100	120	140	160	180
4SDM8/5	4SD8/5	0.55	0.75	H(m)		31	29	28	26	24	22	20	17	13	9
4SDM8/7	4SD8/7	0.75	1			44	41	39	36	34	31	29	24	19	12
4SDM8/8	4SD8/8	0.92	1.25			50	47	44	41	39	36	33	28	21	14
4SDM8/9	4SD8/9	1.1	1.5			56	53	50	47	43	40	37	31	24	16
4SDM8/10	4SD8/10	1.3	1.75			62	59	55	52	48	45	41	35	27	17
4SDM8/12	4SD8/12	1.5	2			75	71	66	62	58	54	49	42	32	21
4SDM8/14	4SD8/14	1.8	2.5			87	83	78	73	68	63	57	49	38	24
4SDM8/17	4SD8/17	2.2	3			106	100	94	88	82	76	69	59	46	29
4SDM8/20	4SD8/20	2.6	3.5			125	118	111	104	97	90	82	70	54	35
—	4SD8/23	3	4			143	136	127	119	111	103	94	80	62	40
—	4SD8/26	3.7	5			162	153	144	135	126	117	106	90	70	45
—	4SD8/29	4	5.5			181	171	161	150	140	130	118	101	78	50
—	4SD8/33	5	7			206	195	183	171	160	149	135	115	89	57
—	4SD8/37	5.5	7.5			230	218	205	192	179	167	151	129	99	64
—	4SD8/41	6.8	9			255	242	227	213	198	185	167	143	110	71
—	4SD8/45	7.5	10			280	265	249	233	218	203	184	157	121	78



PERFORMANCE DATA 50Hz

Outlet: G1¼"~G2"

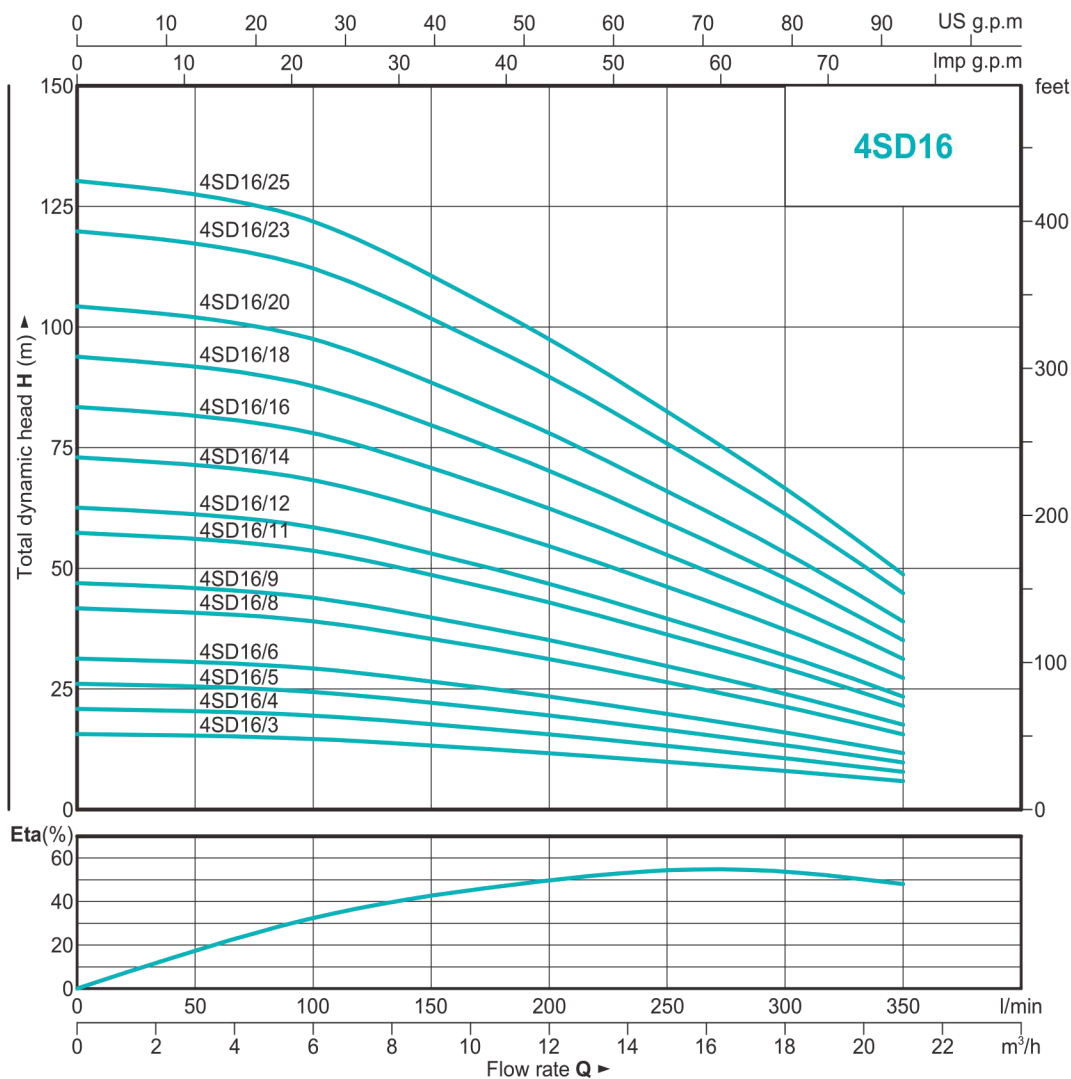
MODEL		P ₂		DELIVERY n≈2850 1/min									
1~ 220V-240V	3~ 380-415V	kW	HP	Q	m³/h l/min	0	1.8	3.6	5.4	7.2	9	10.8	12.6
						0	30	60	90	120	150	180	210
4SDM10/4	4SD10/4	0.55	0.75	H(m)		25	24	22	21	19	17	12	7
4SDM10/5	4SD10/5	0.75	1			31	30	28	26	24	21	16	8
4SDM10/6	4SD10/6	0.92	1.25			37	35	34	31	29	25	19	10
4SDM10/7	4SD10/7	1.1	1.5			43	41	39	37	34	29	22	11
4SDM10/8	4SD10/8	1.3	1.75			49	47	45	42	39	33	25	13
4SDM10/10	4SD10/10	1.5	2			62	59	56	52	48	41	31	16
4SDM10/12	4SD10/12	1.8	2.5			74	71	67	63	58	50	37	20
4SDM10/14	4SD10/14	2.2	3			86	83	79	73	68	58	44	23
4SDM10/16	4SD10/16	2.6	3.5			99	95	90	84	77	66	50	26
—	4SD10/18	3	4			111	106	101	94	87	74	56	29
—	4SD10/20	3.7	5			123	118	112	105	97	83	62	33
—	4SD10/22	4	5.5			136	130	123	115	106	91	68	36
—	4SD10/25	5	7			154	148	140	131	121	103	78	41
—	4SD10/28	5.5	7.5			173	166	157	147	135	116	87	46
—	4SD10/32	6.8	9			197	189	180	168	155	132	100	52
—	4SD10/36	7.5	10			222	213	202	189	174	149	112	59



PERFORMANCE DATA 50Hz

Outlet: G1 $\frac{1}{4}$ "~G2"

MODEL		P ₂		DELIVERY n≈2850 1/min														
1~ 220V-240V	3~ 380-415V	kW	HP	Q	m³/h	0	1.8	3.6	5.4	7.2	9	10.8	12.6	14.4	16.2			
					l/min	0	30	60	90	120	150	180	210	240	270			
4SDM12/4	4SD12/4	0.75	1	H(m)	25	24	23	21	19	17	15	12	9	5				
4SDM12/5	4SD12/5	0.92	1.25		32	30	28	26	24	21	19	15	11	6				
4SDM12/6	4SD12/6	1.1	1.5		38	36	34	31	29	26	22	19	13	7				
4SDM12/7	4SD12/7	1.3	1.75		44	42	39	37	33	30	26	22	16	8				
4SDM12/8	4SD12/8	1.5	2		51	48	45	42	38	34	30	25	18	9				
4SDM12/10	4SD12/10	1.8	2.5		63	60	56	52	48	43	37	31	22	12				
4SDM12/12	4SD12/12	2.2	3		76	72	68	63	57	51	45	37	27	14				
4SDM12/14	4SD12/14	2.6	3.5		88	84	79	73	67	60	52	43	31	16				
—	4SD12/16	3	4		101	96	90	84	77	69	60	50	36	19				
—	4SD12/18	3.7	5		114	108	101	94	86	77	67	56	40	21				
—	4SD12/20	4	5.5		126	120	113	104	96	86	74	62	44	23				
—	4SD12/23	5	7		145	137	129	120	110	98	86	71	51	27				
—	4SD12/26	5.5	7.5		164	155	146	136	124	111	97	80	58	30				
—	4SD12/29	6.8	9		183	173	163	151	139	124	108	90	64	34				
—	4SD12/32	7.5	10		202	191	180	167	153	137	119	99	71	37				

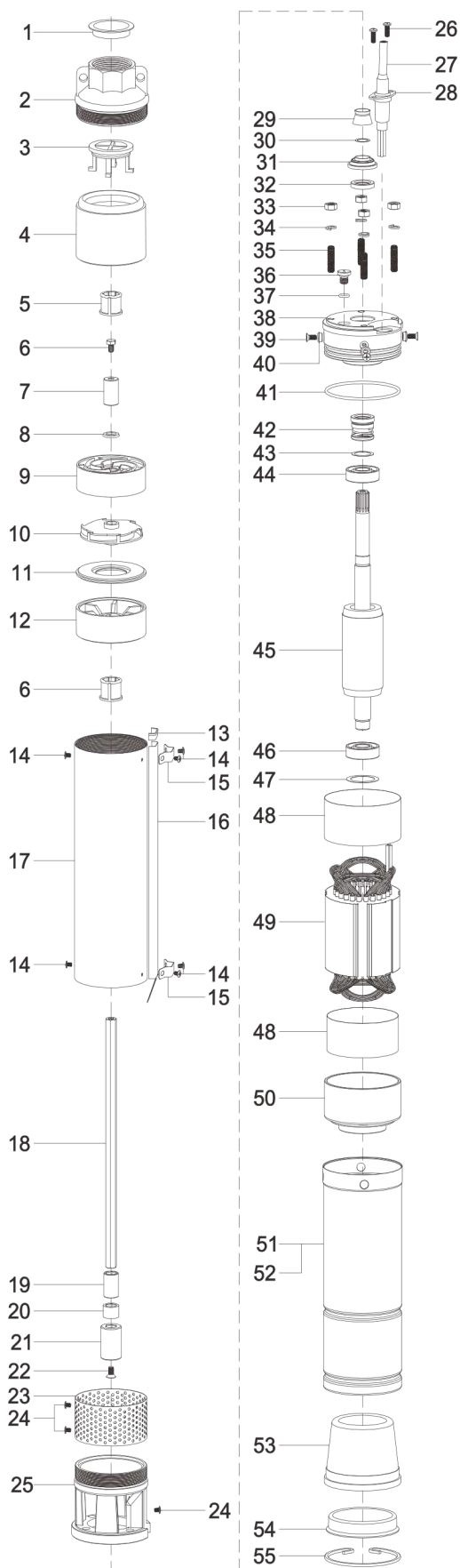


PERFORMANCE DATA 50Hz

Outlet: G1 $\frac{1}{4}$ "~G2"

MODEL		P ₂		DELIVERY n≈2850 1/min									
1~ 220V-240V	3~ 380-415V	kW	HP	Q	m³/h l/min	0	3	6	9	12	15	18	21
						0	50	100	150	200	250	300	350
4SDM16/3	4SD16/3	0.75	1	H(m)		17	16	16	14	12	11	9	6
4SDM16/4	4SD16/4	1.1	1.5			22	22	21	19	17	14	11	8
4SDM16/5	4SD16/5	1.3	1.75			28	27	26	24	21	18	14	10
4SDM16/6	4SD16/6	1.5	2			33	33	31	28	25	21	17	12
4SDM16/8	4SD16/8	1.8	2.5			44	44	42	38	33	28	23	17
4SDM16/9	4SD16/9	2.2	3			50	49	47	42	37	32	26	19
4SDM16/11	4SD16/11	2.6	3.5			61	60	57	52	46	39	31	23
—	4SD16/12	3	4			67	65	62	57	50	42	34	25
—	4SD16/14	3.7	5			78	76	73	66	58	49	40	29
—	4SD16/16	4	5.5			89	87	83	76	67	56	45	33
—	4SD16/18	5	7			100	98	94	85	75	63	51	37
—	4SD16/20	5.5	7.5			111	109	104	94	83	70	57	42
—	4SD16/23	6.8	9			128	125	120	109	96	81	65	48
—	4SD16/25	7.5	10			139	136	130	118	104	88	71	52

4SD Breakdown diagram



1	Pump cover
2	Outlet
3	Check valve core
4	Check valve seat
5	Rubber bearing
6	Screw
7	Upper bearing bush
8	Sealing gasket
9	Diffuser
10	Impeller
11	Diffuser cover
12	Intermediate support
13	Cable shield
14	Screw
15	Holder pipe
16	Cable cover
17	Pump pipe
18	Shaft
19	Down bushing
20	Plastic sleeve
21	Coupling
22	screw
23	Strainer
24	Screw
25	Suction support
26	Screw
27	Cable
28	Cable clamp
29	Sand proof sleeve
30	Gasket
31	Sand proof cap
32	Skeleton oil seal
33	Nut
34	Spring washer
35	Bolt
36	Grease screw
37	"O"Ring
38	Bearing seat
39	Screw
40	Gasket
41	"O"Ring
42	Mechanical seal
43	Mechanical seal gasket
44	Bearing
45	Rotor
46	Bearing
47	Bearing gasket
48	Bushing
49	Stator
50	Bearing seat
51	Motor pipe
52	Oil
53	Rubber cup
54	End cover
55	Clamping spring