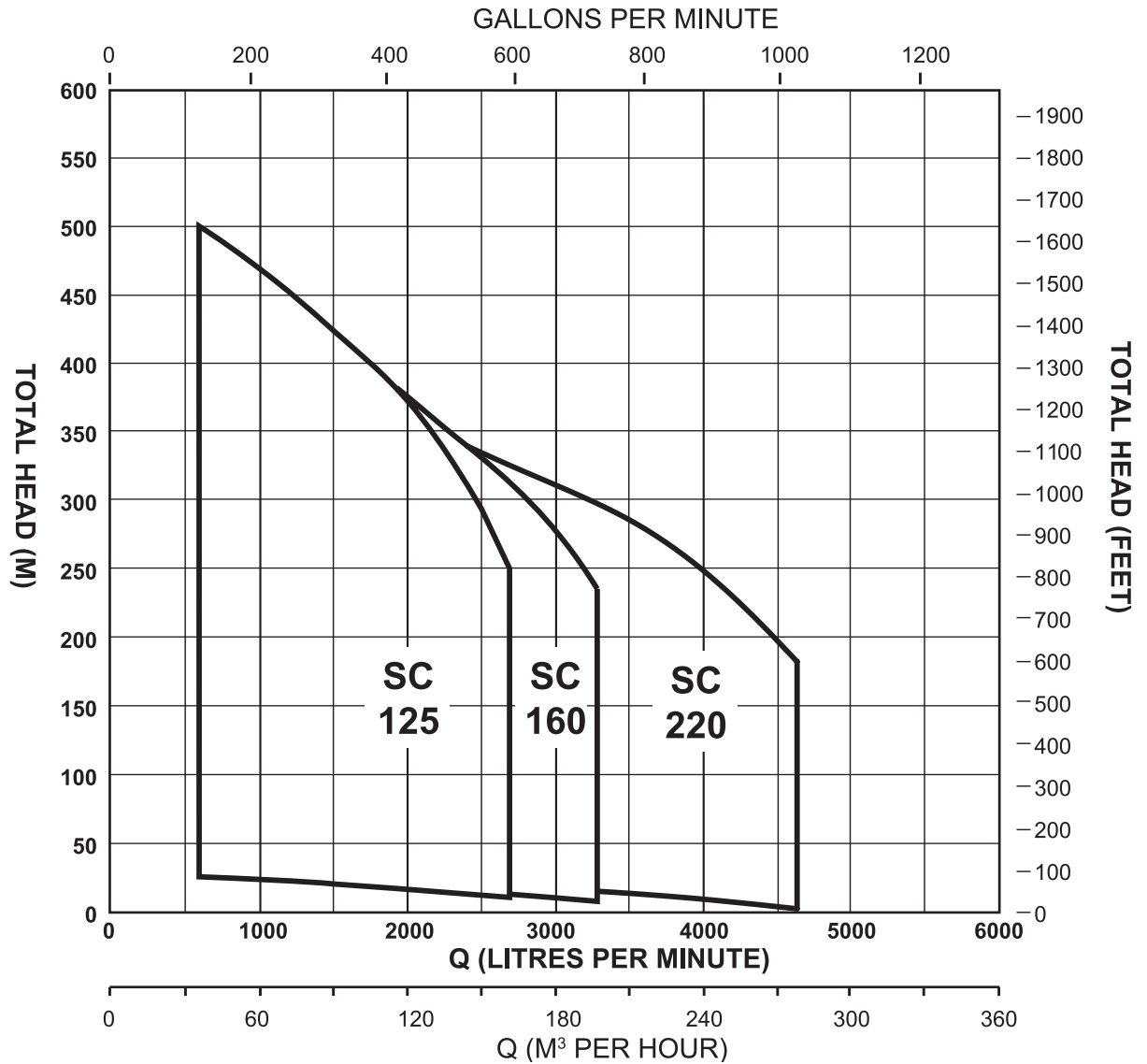




“SC” Series
10 inch (250mm)
Submersible Borehole Pumps

Selection Chart

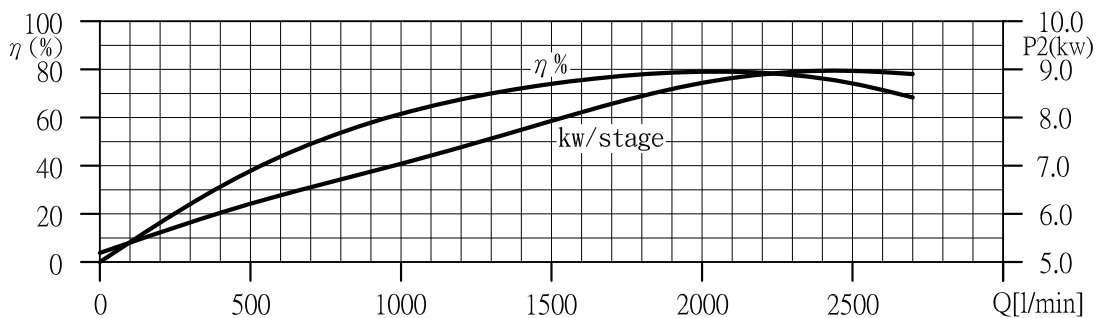
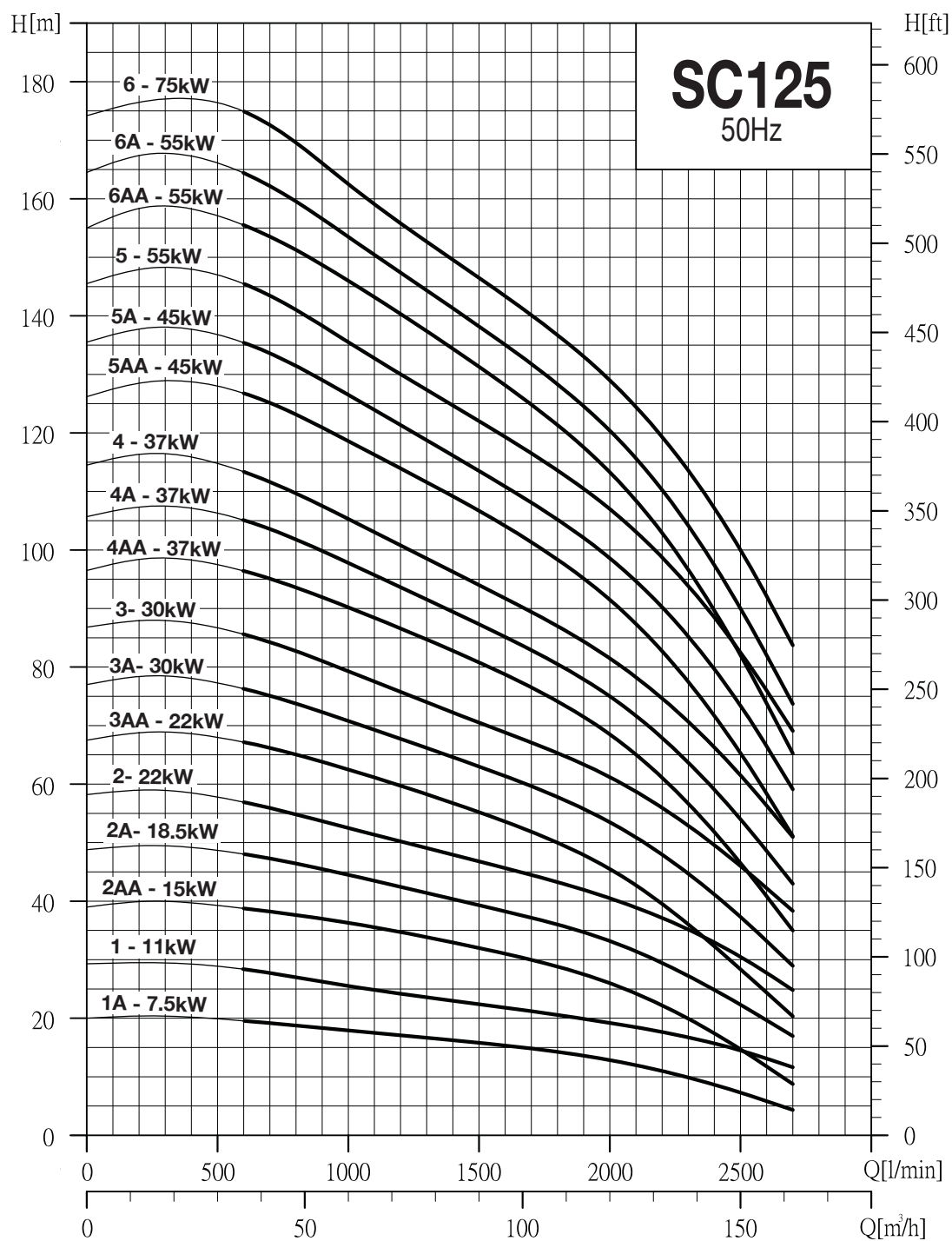
PERFORMANCE DATA





“SC” Series
10 inch (250mm)
Submersible Borehole Pumps

MODEL
SC125

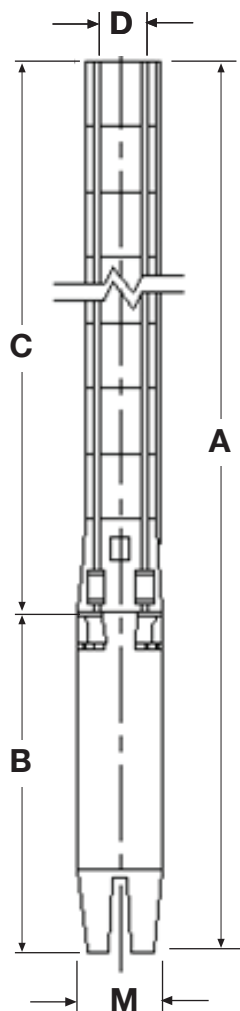


MODEL SC125

"SC" Series 10 inch (250mm) Submersible Borehole Pumps



TECHNICAL DATA



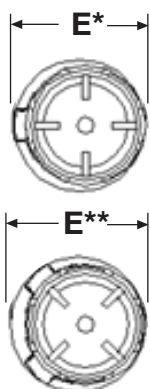
SC125 DIMENSIONS & WEIGHTS

MODEL	NO. OF STAGES	MOTOR		DIMENSIONS (mm)							MASS (kg)	
		kW	DIAM	A	B	C	D	E*	E**	M	PUMP	MOTOR
SC125-1A	1	7.5	6"	1298	646	652	6" BSPF	222	226	138	29.2	54
SC125-1	1	11	6"	1363	711	652		222	226	138	29.26	60
SC125-2AA	2	15	6"	1583	776	807		222	226	138	35.64	67
SC125-2A	2	18.5	6"	1649	842	807		222	226	138	35.7	72
SC125-2	2	22	6"	1714	907	807		222	226	138	35.76	80
SC125-3AA	3	22	6"	1870	907	963		222	226	138	42.14	80
SC125-3A	3	30	6"	2000	1037	963		222	226	138	42.2	94
SC125-3	3	30	6"	2000	1037	963		222	226	138	42.26	94
SC125-3	3	30	8"	1888	925	963		223	226	196	47.06	145
SC125-4AA	4	37	6"	2523	1405	1118		222	226	138	48.64	138
SC125-4AA	4	37	8"	2118	1000	1118		223	226	196	51.94	157
SC125-4A	4	37	6"	2523	1405	1118		222	226	138	48.7	138
SC125-4A	4	37	8"	2118	1000	1118		223	226	196	52	157
SC125-4	4	37	6"	2523	1405	1118		222	226	138	48.76	138
SC125-4	4	37	8"	2118	1000	1118		223	226	196	52.06	157
SC125-5AA	5	45	6"	2831	1557	1274		222	226	138	55.14	152
SC125-5AA	5	45	8"	2351	1077	1274		223	226	196	56.94	170
SC125-5A	5	45	6"	2831	1557	1274		222	226	138	55.2	152
SC125-5A	5	45	8"	2351	1077	1274		223	226	196	57	170
SC125-5	5	55	8"	2478	1204	1274		223	226	196	57.06	195
SC125-6AA	6	55	8"	2633	1204	1429		223	226	196	61.94	195
SC125-6A	6	55	8"	2633	1204	1429		223	226	196	62	195
SC125-6	6	75	8"	2823	1394	1429		223	226	196	62.06	240

E*: Maximum diameter of pump with single motor cable.
E**: Maximum diameter of pump with two motor cables.
Motor dimensions are for standard Franklin Motors.

ELECTRICAL DATA 6 & 8 INCH MOTORS 415V 50 Hz 3 PHASE

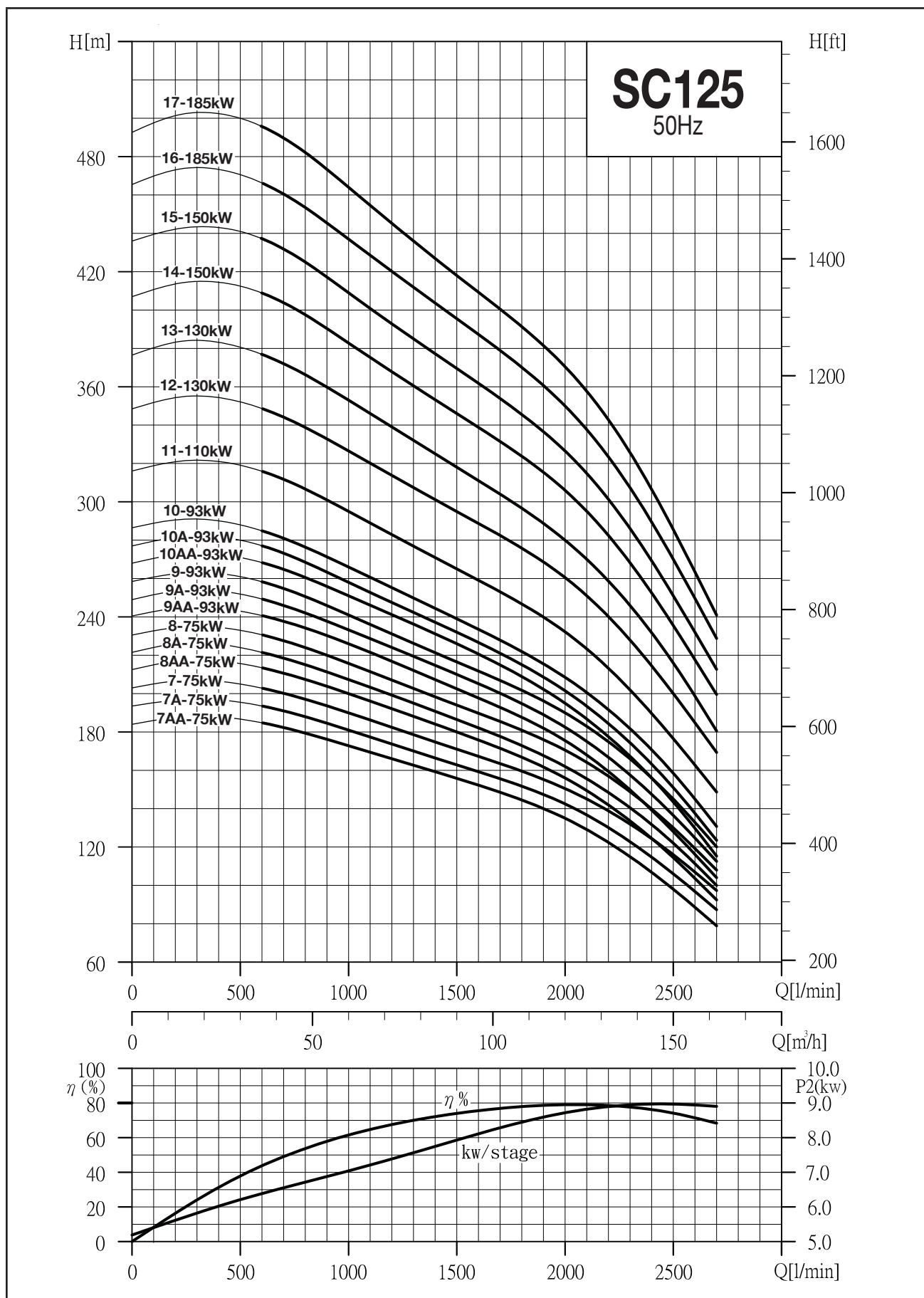
MOTOR kW	THRUST kg	FULL LOAD AMPS	NOMINAL RPM	LOCK ROTOR AMPS
6 INCH FRANKLIN MOTORS				
7.5	1580	16.2	2875	91
11	1580	24.1	2875	136
15	1580	31.0	2875	179
18.5	1580	38.5	2875	240
22	1580	45.0	2875	278
30	2800	64.5	2875	397
37	2800	73.5	2875	426
45	2800	93.2	2875	582
8 INCH FRANKLIN MOTORS				
30	4587	62	2900	433
37	4587	74	2900	554
45	4587	89	2900	669
55	4587	108	2900	895
75	4587	145	2900	1200





“SC” Series
10 inch (250mm)
Submersible Borehole Pumps

MODEL
SC125

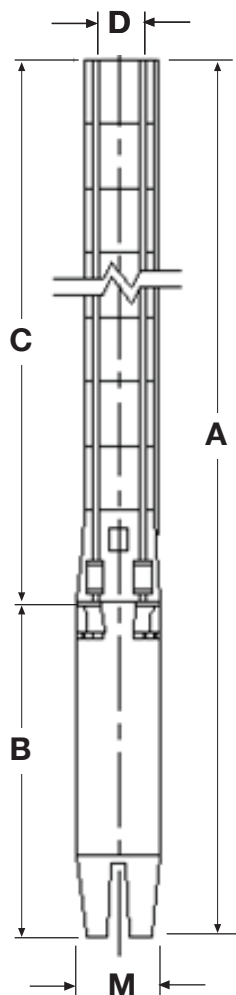


MODEL SC125

"SC" Series 10 inch (250mm) Submersible Borehole Pumps



TECHNICAL DATA



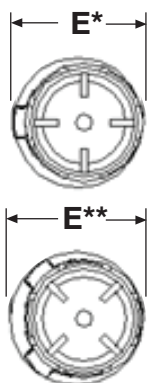
SC125 DIMENSIONS & WEIGHTS

MODEL	NO. OF STAGES	MOTOR kW	MOTOR DIAM	DIMENSIONS (mm)						M	MASS (kg)	
				A	B	C	D	E*	E**		PUMP	MOTOR
SC125-7AA	7	75	8"	2979	1394	1585	6" BSPL	229	232	196	66.94	240
SC125-7A	7	75	8"	2979	1394	1585		229	232	196	67	240
SC125-7	7	75	8"	2979	1394	1585		229	232	196	67.06	240
SC125-8AA	8	75	8"	3134	1394	1740		218	227	196	71.94	240
SC125-8A	8	75	8"	3134	1394	1740		218	227	196	72.00	240
SC125-8	8	75	8"	3134	1394	1740		218	227	196	72.06	240
SC125-9AA	9	93	8"	3644	1748	1896		218	227	196	76.94	318
SC125-9A	9	93	8"	3644	1748	1896		218	227	196	77.00	318
SC125-9	9	93	8"	3644	1748	1896		218	227	196	77.06	318
SC125-10AA	10	93	8"	3799	1748	2051		218	227	196	81.94	318
SC125-10A	10	93	8"	3799	1748	2051		218	227	196	82.00	318
SC125-10	10	93	8"	3799	1748	2051		218	227	196	82.06	318
SC125-11	11	110	8"	4183	1976	2207		218	227	196	87.06	381
SC125-12	12	130	10"	4022	1659	2363		225	235	245	92.06	362
SC125-13	13	130	10"	4178	1659	2519		225	235	245	97.06	362
SC125-14	14	150	10"	4444	1769	2675		225	235	245	103	413
SC125-15	15	150	10"	4600	1769	2831		225	235	245	108	413
SC125-16	16	185	10"	4906	1919	2987		225	235	245	113	449
SC125-17	17	185	10"	5062	1919	3143		225	235	245	118	449

E*: Maximum diameter of pump with single motor cable.
E**: Maximum diameter of pump with two motor cables.
Motor dimensions are for standard Franklin Motors.

ELECTRICAL DATA 6 & 8 INCH MOTORS 415V 50 Hz 3 PHASE

MOTOR kW	THRUST kg	FULL LOAD AMPS	NOMINAL RPM	LOCK ROTOR AMPS
8 INCH FRANKLIN MOTORS				
75	4587	145	2900	1200
93	4587	191	2900	1382
110	4587	223	2900	1657
10 INCH FRANKLIN MOTORS				
130	6118	255	2900	1400
150	6188	296	2900	1655
185	6188	389	2900	2237

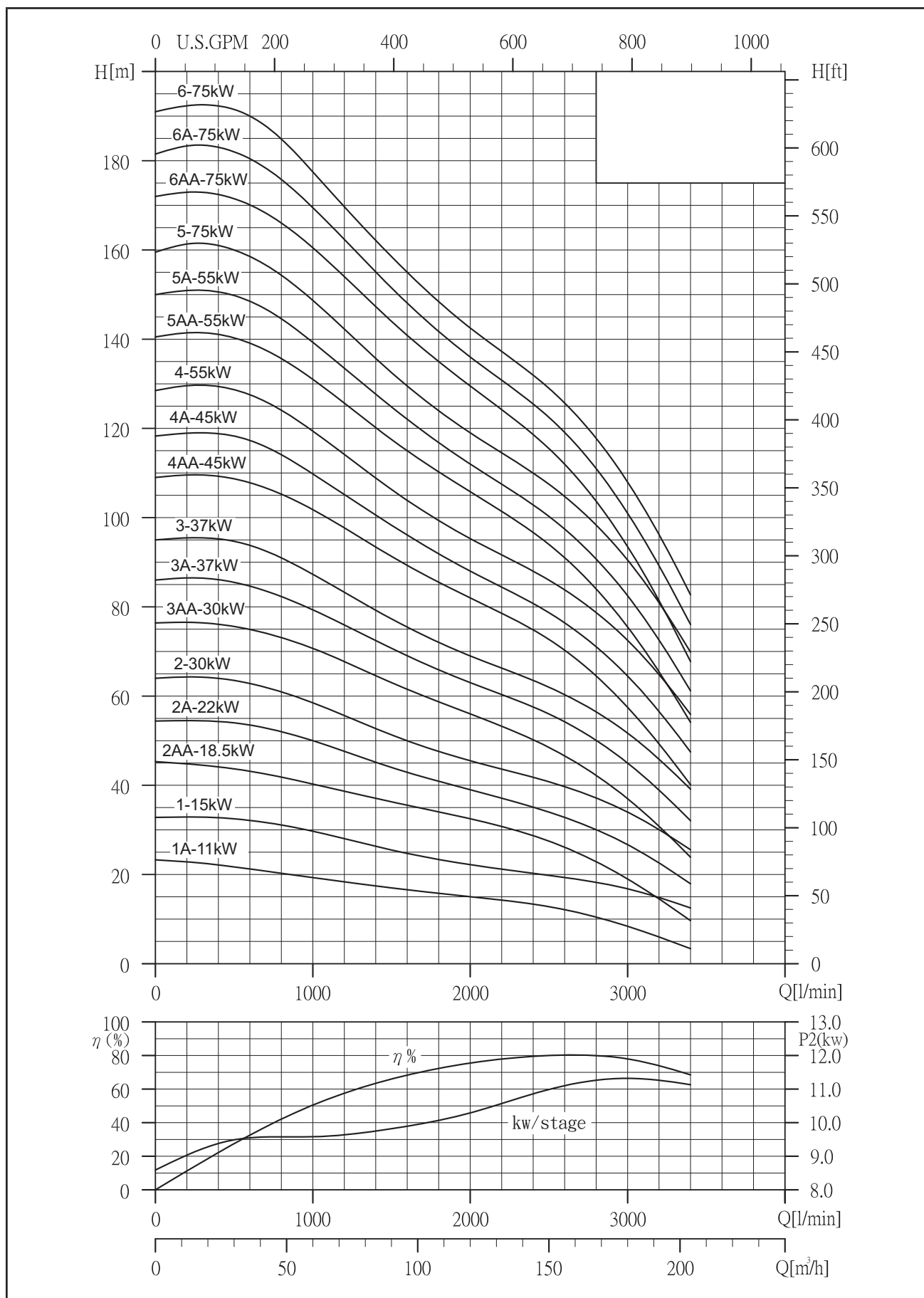




"SC" Series

10 inch (250mm)
Submersible Borehole Pumps

MODEL
SC160

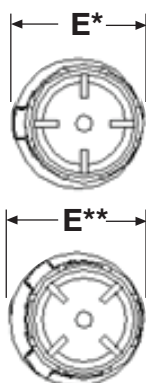
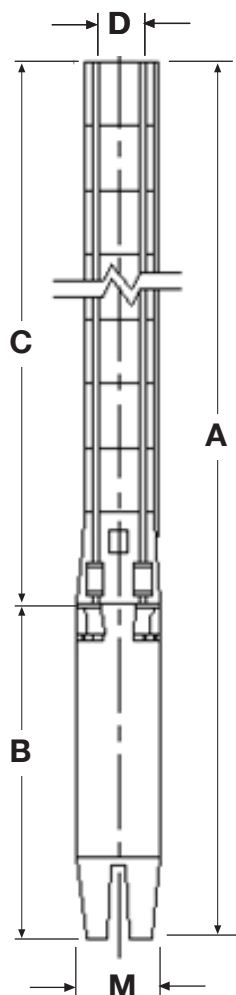


MODEL
SC160

“SC” Series
10 inch (250mm)
Submersible Borehole Pumps



TECHNICAL DATA



SC160 DIMENSIONS & WEIGHTS

MODEL	NO. OF STAGES	MOTOR		DIMENSIONS (mm)							MASS (kg)	
		kW	DIAM	A	B	C	D	E*	E**	M	PUMP	MOTOR
SC160-1A	1	11	6"	1363	711	652	6" BSP F	211	218	138	30.40	60
SC160-1	1	15	6"	1428	776	652		211	218	138	30.40	67
SC160-2AA	2	18.5	6"	1649	842	807		211	218	138	36.74	72
SC160-2A	2	22	6"	1714	907	807		211	218	138	36.82	80
SC160-2	2	30	6"	1844	1037	807		211	218	138	36.82	94
SC160-3AA	3	30	6"	2000	1037	963		211	218	138	43.16	94
SC160-3A	3	37	6"	2368	1405	963		211	218	138	43.24	138
SC160-3	3	37	6"	2368	1405	963		211	218	138	43.24	138
SC160-4AA	4	45	8"	2195	1077	1118		218	227	196	50.90	170
SC160-4A	4	45	8"	2195	1077	1118		218	227	196	50.98	170
SC160-4	4	55	8"	2322	1204	1118		218	227	196	50.98	195
SC160-5AA	5	55	8"	2478	1204	1274		218	227	196	57.32	195
SC160-5A	5	55	8"	2478	1204	1274		218	227	196	57.40	195
SC160-5	5	75	8"	2668	1394	1274		218	227	196	57.40	240
SC160-6AA	6	75	8"	2823	1394	1429		218	227	196	63.74	240
SC160-6A	6	75	8"	2823	1394	1429		218	227	196	63.82	240
SC160-6	6	75	8"	2823	1394	1429		218	227	196	63.82	240

E*: Maximum diameter of pump with single motor cable.

E**: Maximum diameter of pump with two motor cables.

Motor dimensions are for standard Franklin Motors.

ELECTRICAL DATA 6 & 8 INCH MOTORS 415V 50Hz 3 PHASE

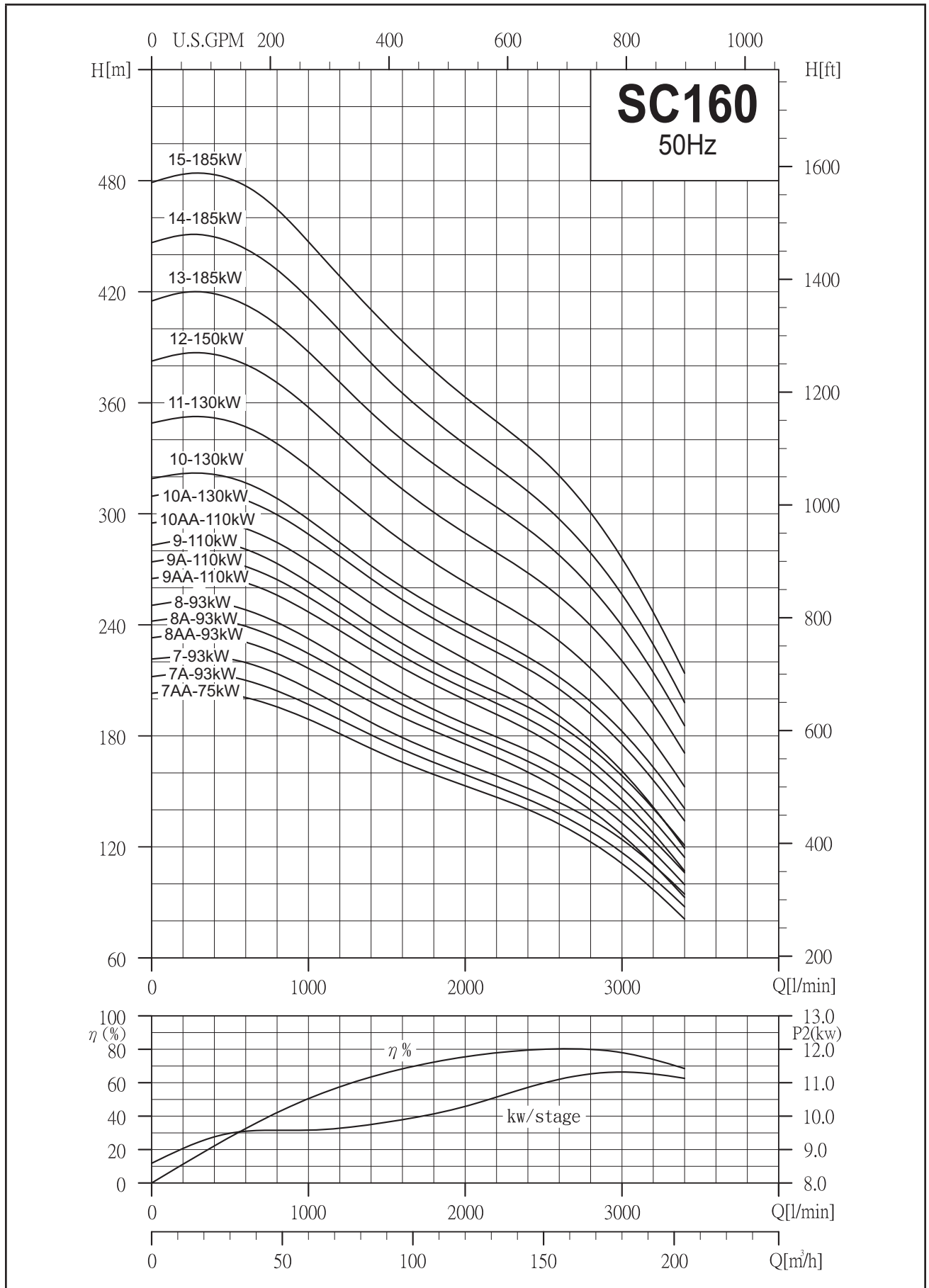
MOTOR kW	THRUST kg	FULL LOAD AMPS	NOMINAL RPM	LOCK ROTOR AMPS
6 INCH FRANKLIN MOTORS				
11	1580	24.1	2875	136
15	1580	31.0	2875	179
18.5	1580	38.5	2875	240
22	1580	45.0	2875	278
30	2800	64.5	2875	397
37	2800	73.5	2875	426
8 INCH FRANKLIN MOTORS				
45	4587	89	2900	669
55	4587	108	2900	895
75	4587	145	2900	1200



"SC" Series

10 inch (250mm)
Submersible Borehole Pumps

MODEL
SC160

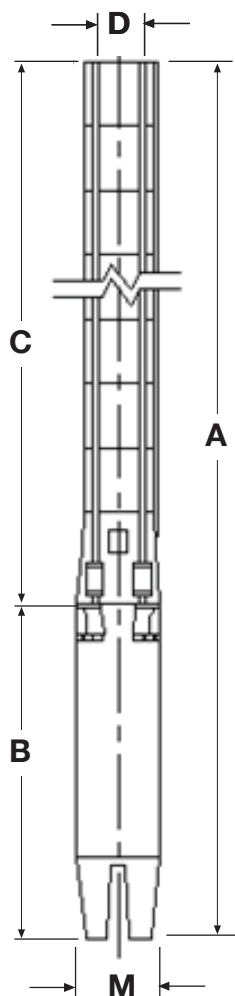


MODEL
SC160

"SC" Series
10 inch (250mm)
Submersible Borehole Pumps



TECHNICAL DATA



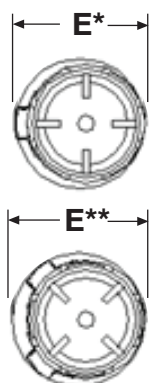
SC160 DIMENSIONS & WEIGHTS

MODEL	NO. OF STAGES	MOTOR		DIMENSIONS (mm)							MASS (kg)	
		kW	DIAM	A	B	C	D	E*	E**	M	PUMP	MOTOR
SC160-7AA	7	75	8"	2979	1394	1585	6" Bore	218	227	196	70.16	240
SC160-7A	7	93	8"	3333	1748	1585		218	227	196	70.24	318
SC160-7	7	93	8"	3333	1748	1585		218	227	196	70.24	318
SC160-8AA	8	93	8"	3488	1748	1740		218	227	196	76.58	318
SC160-8A	8	93	8"	3488	1748	1740		218	227	196	76.66	318
SC160-8	8	93	8"	3488	1748	1740		218	227	196	76.66	318
SC160-9AA	9	110	8"	3872	1976	1896		218	227	196	83.00	381
SC160-9A	9	110	8"	3872	1976	1896		218	227	196	83.08	381
SC160-9	9	110	8"	3872	1976	1896		218	227	196	83.08	381
SC160-10AA	10	110	8"	4027	1976	2051		218	227	196	89.42	381
SC160-10A	10	130	10"	3840	1659	2181		227	247	245	102.62	362
SC160-10	10	130	10"	3840	1659	2181		227	247	245	102.62	362
SC160-11	11	130	10"	3996	1659	2337		227	247	245	109.04	362
SC160-12	12	150	10"	4261	1769	2492		227	247	245	115.46	413
SC160-13	13	185	10"	4567	1919	2648		227	247	245	121.88	449
SC160-14	14	185	10"	4722	1919	2803		227	247	245	128.30	449
SC160-15	15	185	12"	4663	1703	2960		227	247	286	134.72	595

E*: Maximum diameter of pump with single motor cable.
E**: Maximum diameter of pump with two motor cables.
Motor dimensions are for standard Franklin Motors.

ELECTRICAL DATA 6 & 8 INCH MOTORS 415V 50Hz 3 PHASE

MOTOR kW	THRUST kg	FULL LOAD AMPS	NOMINAL RPM	LOCK ROTOR AMPS
8 INCH FRANKLIN MOTORS				
75	4587	145	2900	1200
93	4587	191	2900	1382
110	4587	223	2900	1657
10 INCH FRANKLIN MOTORS				
130	6118	255	2900	1400
150	6188	296	2900	1655
185	6188	389	2900	2237
12 INCH FRANKLIN MOTORS				
185	5011	345	2945	1987



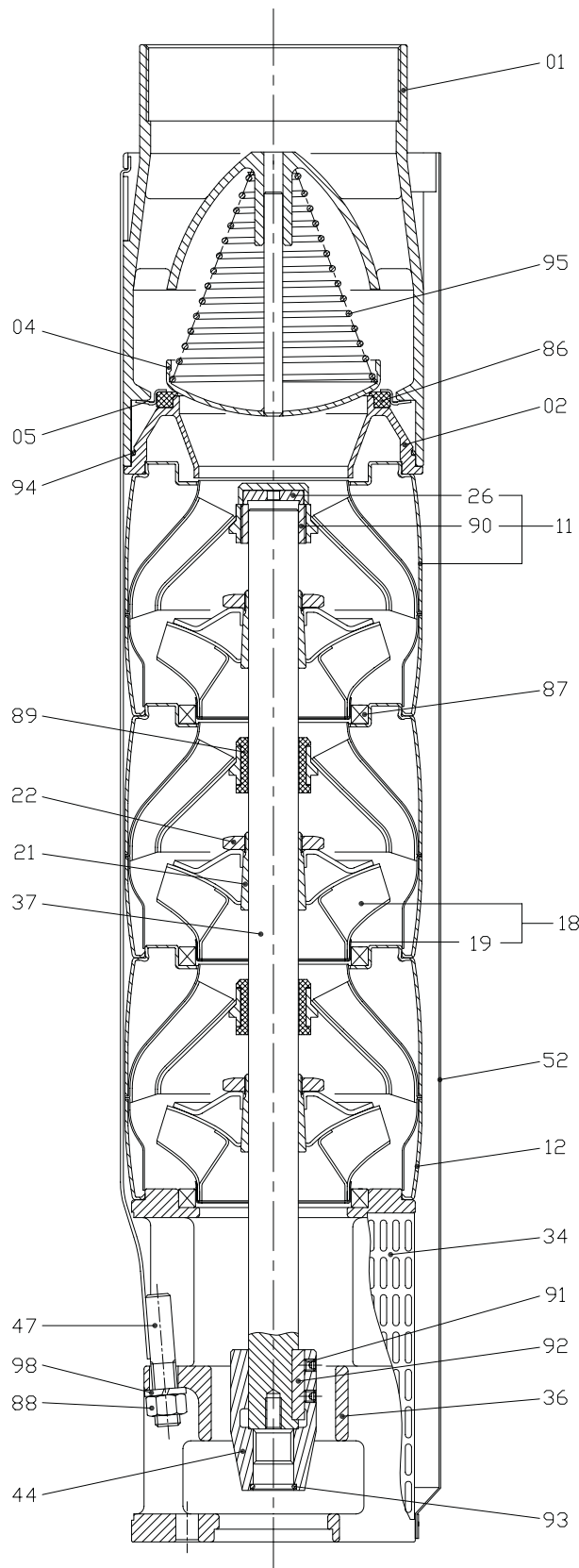


“SC” Series

10 inch (250mm)
Submersible Borehole Pumps

MODEL
SC125/160

PARTS AND MATERIALS

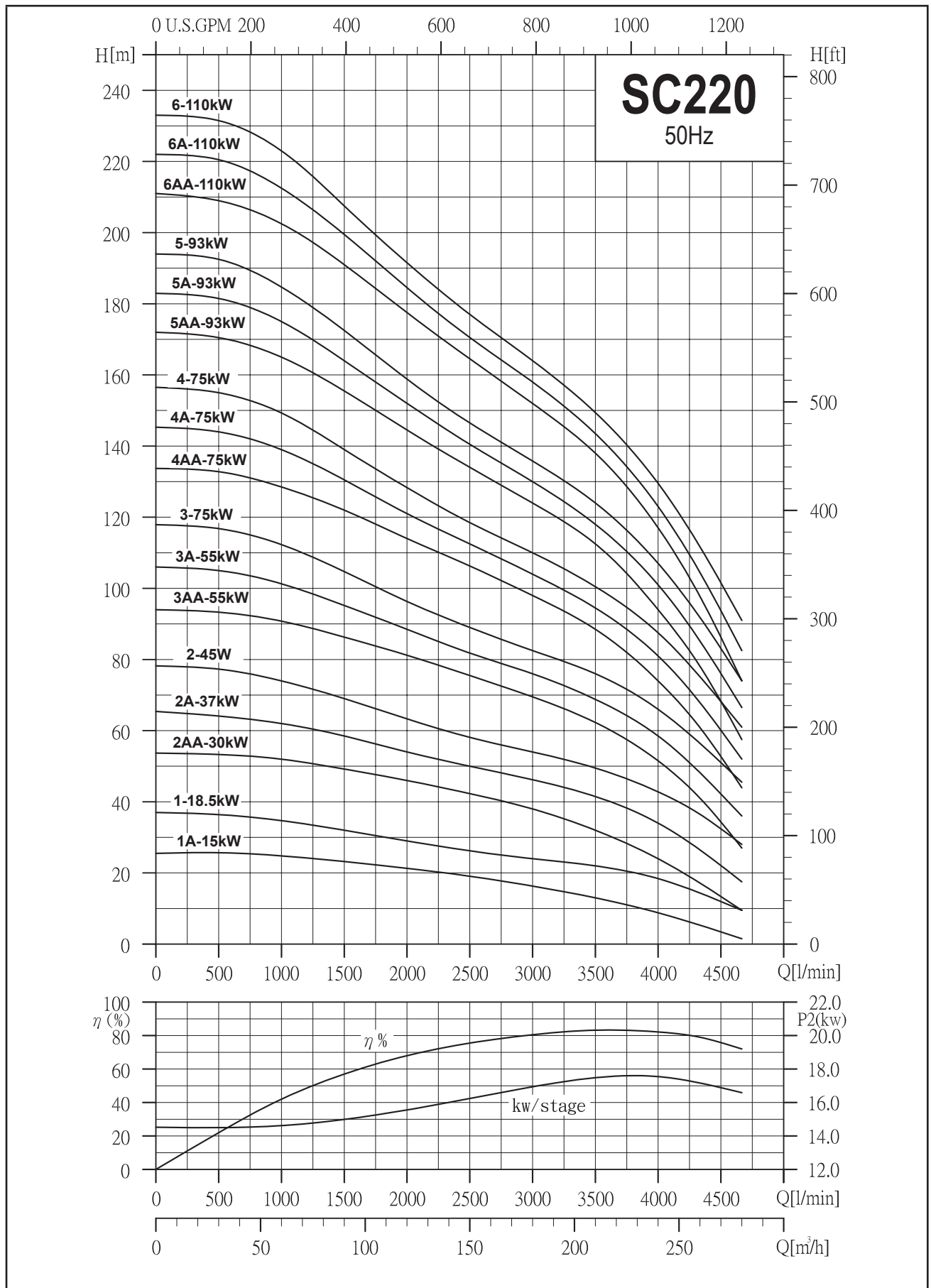


	Part	Material
1	Discharge	304 Stainless Steel
2	Lower Valve Seat Retainer	304 Stainless Steel
4	Valve Cup	304 Stainless Steel
5	Upper Valve Seat Retainer	304 Stainless Steel
11	Upper Diffuser	304 stainless steel
12	Diffuser	304 Stainless Steel
18	Impeller	304 Stainless Steel
18	Impeller – A	304 Stainless Steel
19	Impeller Ring	304 Stainless steel
21	Split Cone	304 Stainless Steel
22	Split Cone Nut	304 Stainless Steel
26	Spacing Washer for Stop Ring	MoO ₂ + PTFE
34	Strainer– one lead	304 Stainless Steel
34	Strainer– two leads	304 Staonless Steel
36	Suction Interconnector – 6”	304 Stainless Steel
36	Suction Interconnector – 8”	304 Stainless Steel
37	Pump Shaft	431 Stainless Steel
44	Coupling – 6”	304 Stainless Steel
44	Coupling – 8”	304 Stainless Steel
47	Strap	304 Stainless Steel
52	Cable Guard	304 Stainless Steel
86	Valve Seat	NBR
87	Neck Ring	PPS / NBR
88	Nut	304 Stainless Steel
89	Bearing	NBR
90	Upper Bearing	304 SS / NBR
91	Screw – 6”	304 Stainless Steel
91	Screw – 8”	304 Stainless Steel
92	Key – 6”	304 Stainless Steel
92	Key – 8”	304 Stainless Steel
93	O-Ring– 6”	NBR
93	O-Ring– 8”	NBR
94	O-Ring	NBR
95	Spring	304 Stainless Steel
98	Spring Washer	304 Stainless Steel



“SC” Series
10 inch (250mm)
Submersible Borehole Pumps

MODEL
SC220



MODEL
SC220

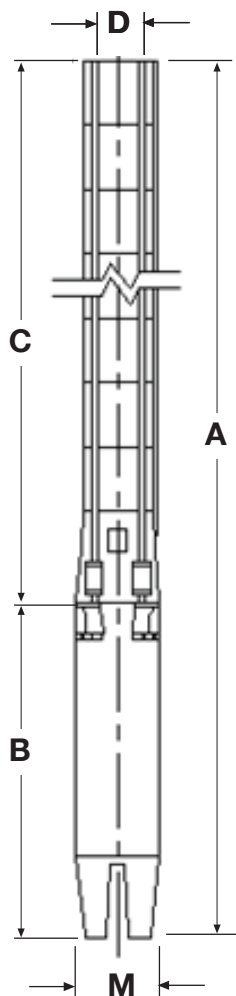
"SC" Series

10 inch (250mm)
Submersible Borehole Pumps



TECHNICAL DATA

SC220 DIMENSIONS & WEIGHTS



MODEL	NO. OF STAGES	MOTOR		DIMENSIONS (mm)							MASS (kg)	
		kW	DIAM	A	B	C	D	E*	E**	M	PUMP	MOTOR
SC220-1A	1	15	6"	1548	776	772	6" Borehole	237	241	138	46.1	67
SC220-1	1	18.5	6"	1614	842	772		237	241	138	46.1	72
SC220-2AA	2	30	6"	1985	1037	948		237	241	138	56.1	94
SC220-2A	2	37	6"	2353	1405	948		237	241	138	56.1	138
SC220-2	2	45	8"	2025	1077	948		237	241	196	55.8	170
SC220-3AA	3	55	8"	2328	1204	1124		237	241	196	65.6	195
SC220-3A	3	55	8"	2328	1204	1124		237	241	196	65.6	195
SC220-3	3	75	8"	2518	1394	1124		237	241	196	65.6	240
SC220-4AA	4	75	8"	2694	1394	1300		237	241	196	75.4	240
SC220-4A	4	75	8"	2694	1394	1300		237	241	196	75.4	240
SC220-4	4	75	8"	2694	1394	1300		237	241	196	75.4	240
SC220-5AA	5	93	8"	3224	1748	1476		237	241	196	85.8	318
SC220-5A	5	93	8"	3224	1748	1476		237	241	196	85.8	318
SC220-5	5	93	8"	3224	1748	1476		237	241	196	85.8	318
SC220-6AA	6	110	8"	3628	1976	1652		237	241	196	96.2	381
SC220-6A	6	110	8"	3628	1976	1652		237	241	196	96.2	381
SC220-6	6	110	8"	3628	1976	1652		237	241	196	96.2	381

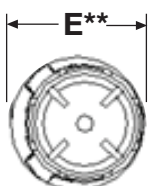
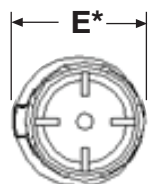
E*: Maximum diameter of pump with single motor cable.

E**: Maximum diameter of pump with two motor cables.

Motor dimensions are for standard Franklin Motors.

ELECTRICAL DATA 6 & 8 INCH MOTORS 415V 50Hz 3 PHASE

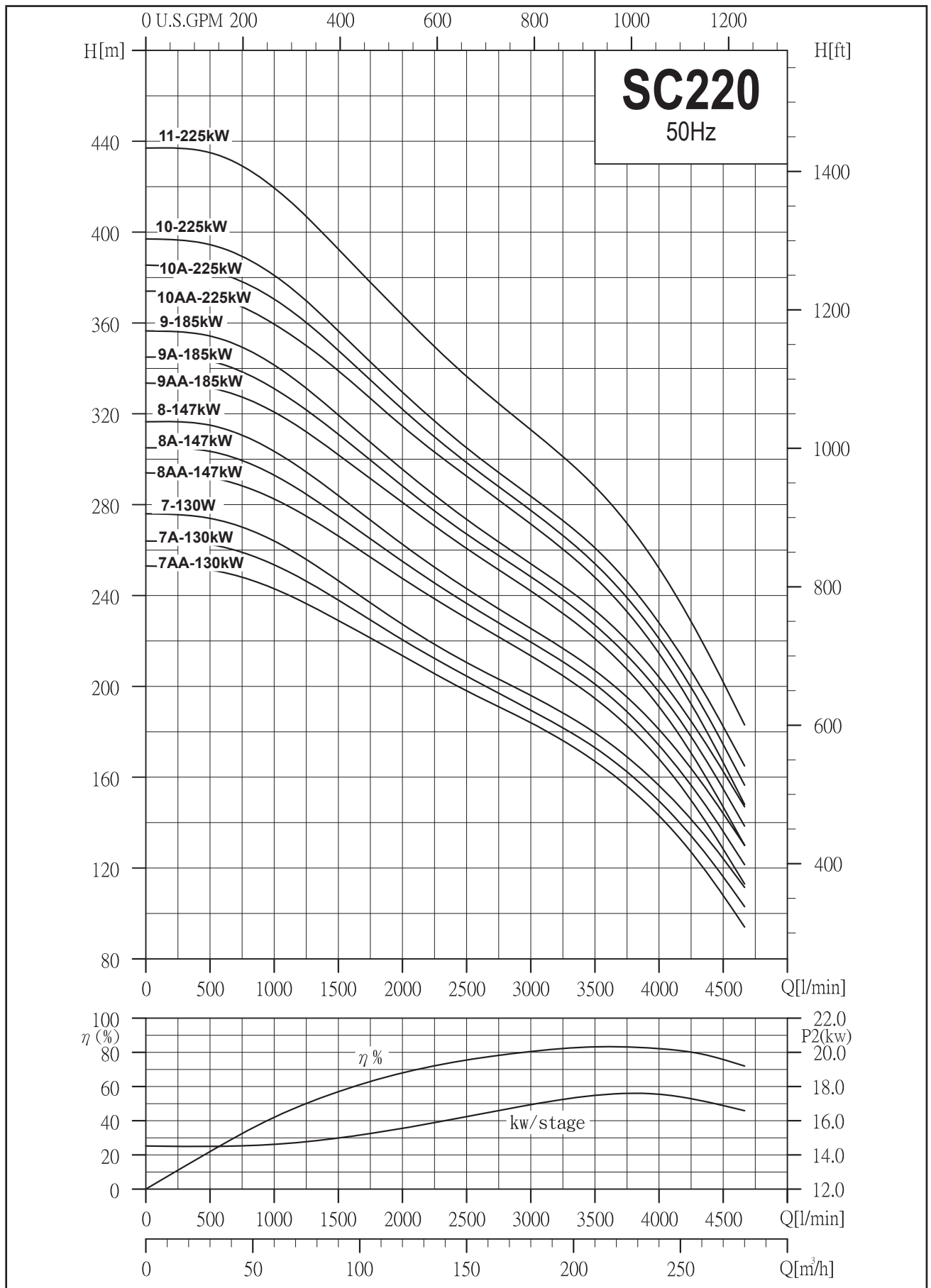
MOTOR kW	THRUST kg	FULL LOAD AMPS	NOMINAL RPM	LOCK ROTOR AMPS
6 INCH FRANKLIN MOTORS				
15	1580	31.0	2875	179
18.5	1580	38.5	2875	240
30	2800	64.5	2875	397
37	2800	73.5	2875	426
8 INCH FRANKLIN MOTORS				
45	4587	89	2900	669
55	4587	108	2900	895
75	4587	145	2900	1200
93	4587	191	2900	1382
110	4587	223	2900	1657





“SC” Series
10 inch (250mm)
Submersible Borehole Pumps

MODEL
SC220



MODEL
SC220

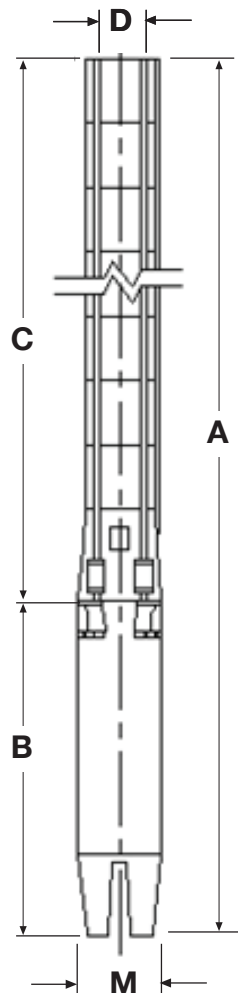
"SC" Series

10 inch (250mm)
Submersible Borehole Pumps



TECHNICAL DATA

SC220 DIMENSIONS & WEIGHTS

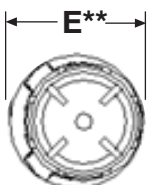
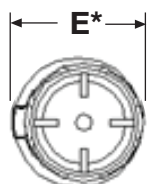


MODEL	NO. OF STAGES	MOTOR		DIMENSIONS (mm)							MASS (kg)	
		KW	DIAM	A	B	C	D	E*	E**	M	PUMP	MOTOR
SC220-7AA	7	130	10"	3487	1659	1828	6" BSP	262	274	245	111.2	362
SC220-7A	7	130	10"	3487	1659	1828		262	274	245	111.2	362
SC220-7	7	130	10"	3487	1659	1828		262	274	245	111.2	362
SC220-8AA	8	150	10"	3773	1769	2004		262	274	245	121.5	413
SC220-8A	8	150	10"	3773	1769	2004		262	274	245	121.5	413
SC220-8	8	150	10"	3773	1769	2004		262	274	245	121.5	413
SC220-9AA	9	185	10"	4099	1919	2180		262	274	245	131.7	449
SC220-9A	9	185	10"	4099	1919	2180		262	274	245	131.7	449
SC220-9	9	185	10"	4099	1919	2180		262	274	245	131.7	449
SC220-10AA	10	225	12"	4356	2000	2356		268	280	268	142.0	660
SC220-10A	10	225	12"	4356	2000	2356		268	280	268	142.0	660
SC220-10	10	225	12"	4356	2000	2356		268	280	268	142.0	660
SC220-11	11	225	12"	4532	2000	2532		268	280	268	152.3	660

E*: Maximum diameter of pump with single motor cable.
E**: Maximum diameter of pump with two motor cables.
Motor dimensions are for standard Franklin Motors.

ELECTRICAL DATA 10 & 12 INCH MOTORS 415V 50Hz 3 PHASE

MOTOR kW	THRUST kg	FULL LOAD AMPS	NOMINAL RPM	LOCK ROTOR AMPS
10 INCH FRANKLIN MOTORS				
130	6118	255	2900	1400
150	6188	296	2900	1655
185	6188	389	2900	2237
12 INCH FRANKLIN MOTORS				
225	4500	396	3000	2950



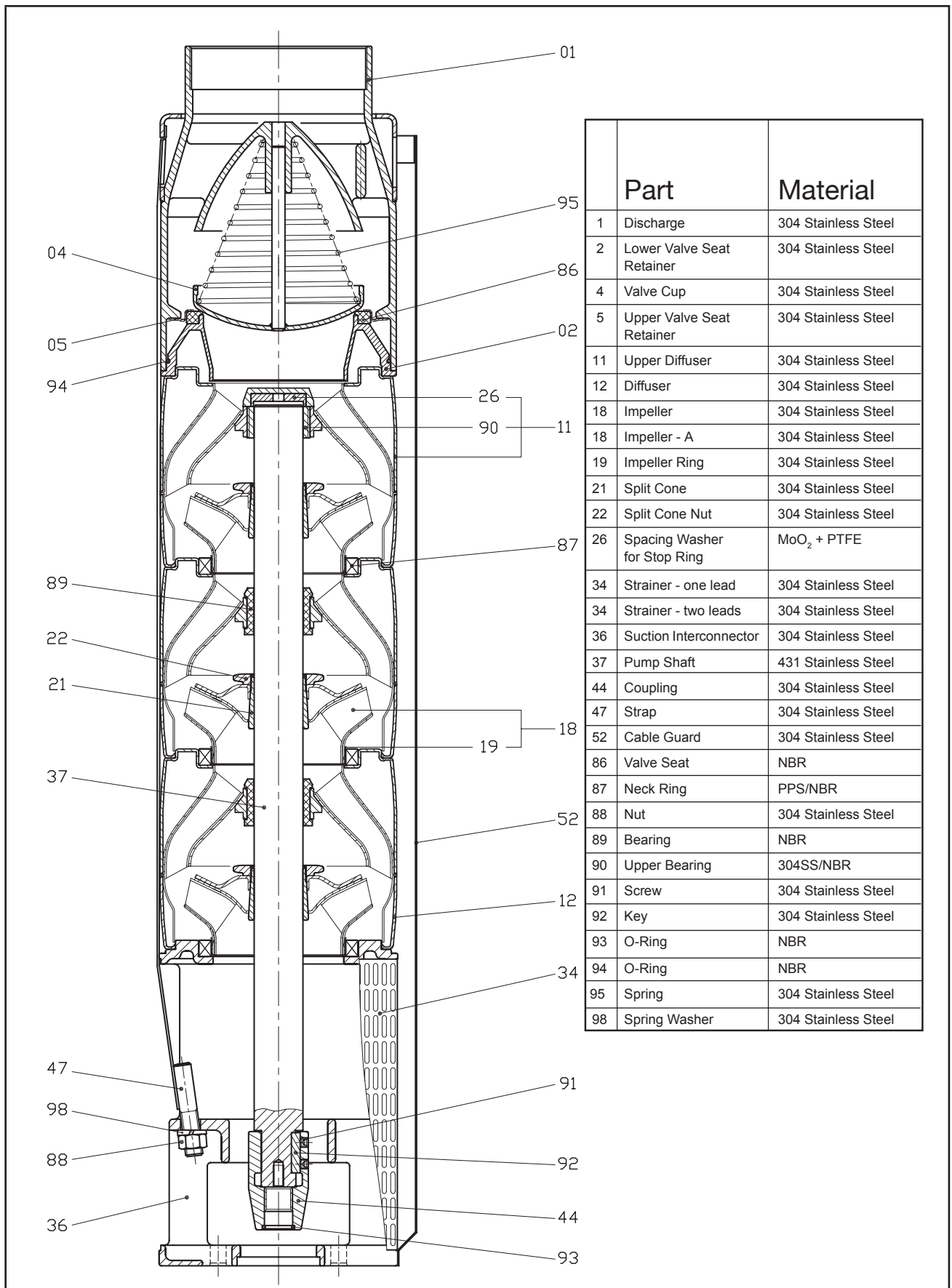


“SC” Series

10 inch (250mm)
Submersible Borehole Pumps

MODEL
SC220

PARTS AND MATERIALS



	Part	Material
1	Discharge	304 Stainless Steel
2	Lower Valve Seat Retainer	304 Stainless Steel
4	Valve Cup	304 Stainless Steel
5	Upper Valve Seat Retainer	304 Stainless Steel
11	Upper Diffuser	304 Stainless Steel
12	Diffuser	304 Stainless Steel
18	Impeller	304 Stainless Steel
18	Impeller - A	304 Stainless Steel
19	Impeller Ring	304 Stainless Steel
21	Split Cone	304 Stainless Steel
22	Split Cone Nut	304 Stainless Steel
26	Spacing Washer for Stop Ring	MoO ₂ + PTFE
34	Strainer - one lead	304 Stainless Steel
34	Strainer - two leads	304 Stainless Steel
36	Suction Interconnector	304 Stainless Steel
37	Pump Shaft	431 Stainless Steel
44	Coupling	304 Stainless Steel
47	Strap	304 Stainless Steel
52	Cable Guard	304 Stainless Steel
86	Valve Seat	NBR
87	Neck Ring	PPS/NBR
88	Nut	304 Stainless Steel
89	Bearing	NBR
90	Upper Bearing	304SS/NBR
91	Screw	304 Stainless Steel
92	Key	304 Stainless Steel
93	O-Ring	NBR
94	O-Ring	NBR
95	Spring	304 Stainless Steel
98	Spring Washer	304 Stainless Steel