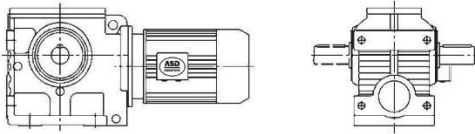


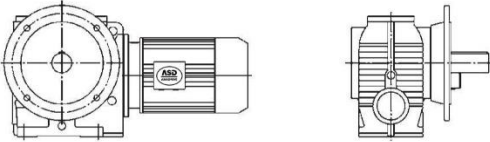
Dimensional Description

Output shafts of **S** series are vertical to input shafts. Units of **S** series consist of single stage helical gears and single stage worm gears.

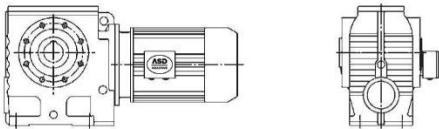
1, Type S : Foot-mounted helical-worm gear units with solid shaft.



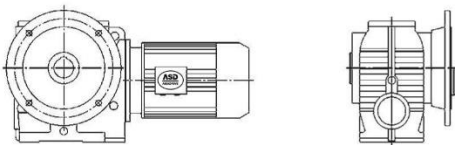
2, Type SF : B5 flange mounted helical-worm gear units with solid shaft.



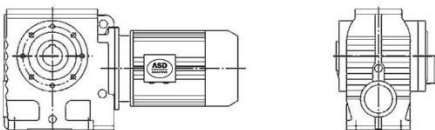
3, Type SA : Helical-worm gear units with hollow shaft.



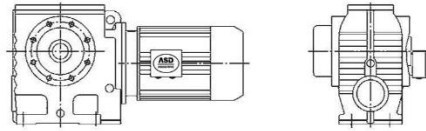
4, Type SAF : B5 flange mounted helical-worm gear units with hollow shaft.



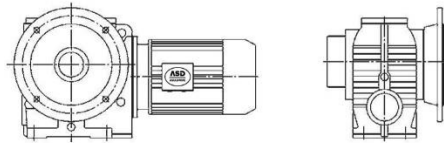
5, Type SAZ : B14 flange-mounted helical-worm gear units with hollow shaft.



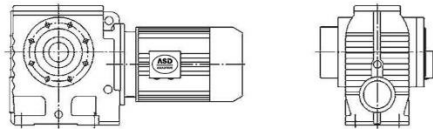
6, Type SH : Helical-worm geared motor with hollow shaft and shrink disk.



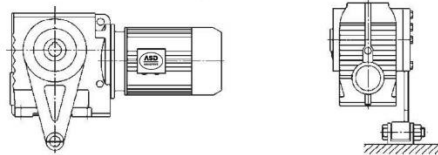
7, Type SHF : B5 flange-mounted helical-worm geared motor with hollow shaft and shrink disk.



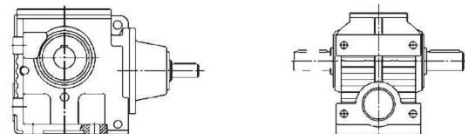
8, Type SHZ : B14 flange-mounted helical-worm geared motor with hollow shaft and shrink disk.



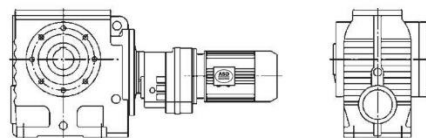
9, Type SAT / SHT : Torque-arm-mounted helical-worm gear units with hollow shaft.



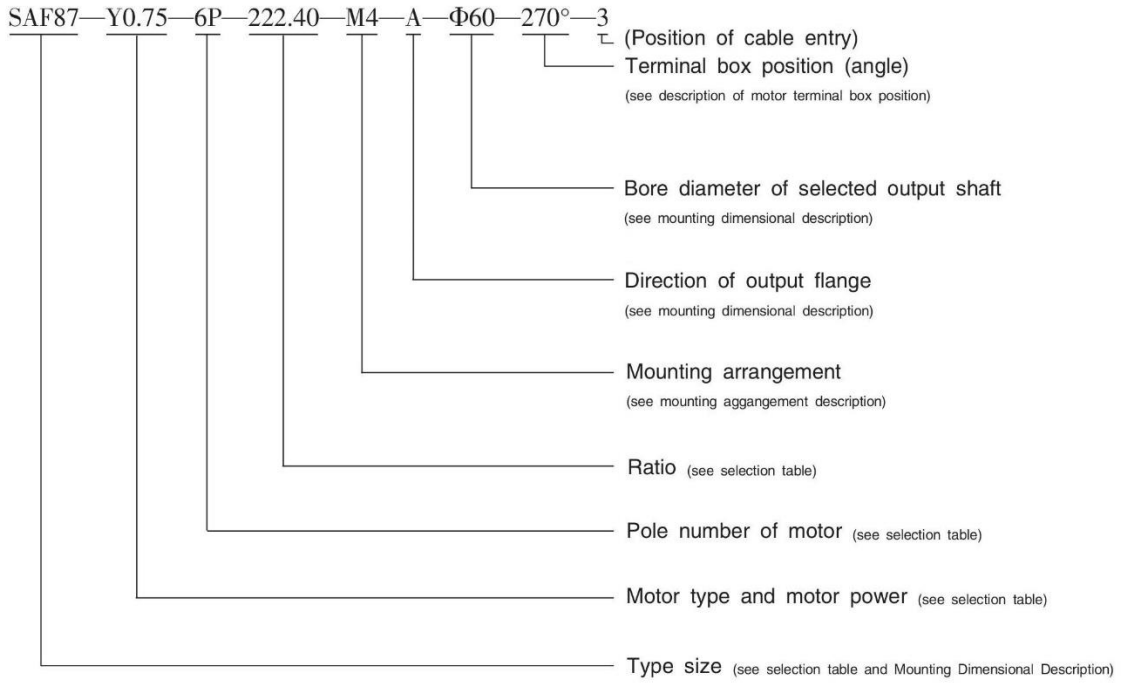
10, Type S..SZ..AD.. : Shaft input helical-worm gear units.



11, Type S..R : Combined types of series GS and series GR.



Type Expression of S Series



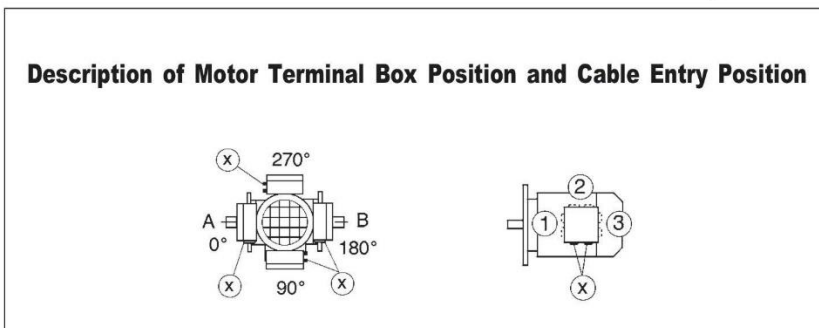
Note: 1、Please make a note, if it needs connecting flange.

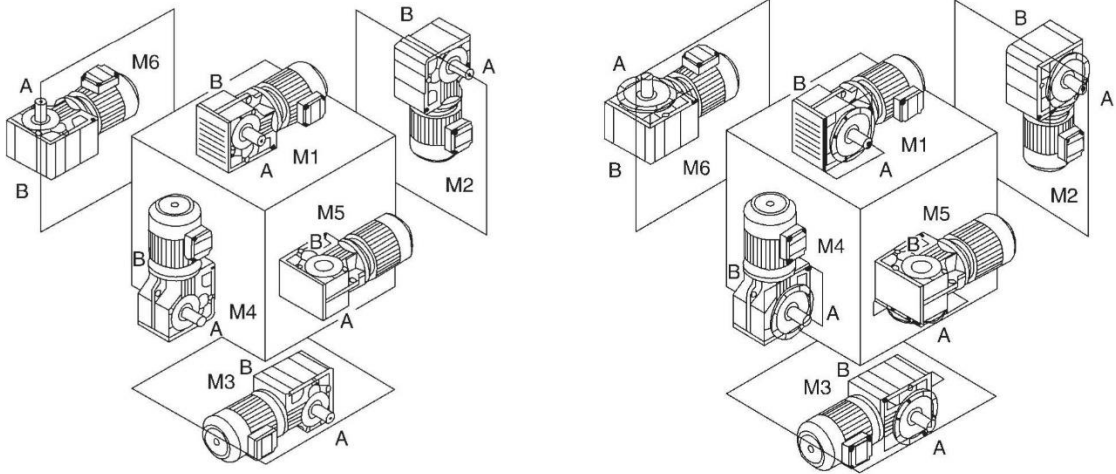
2、Contents of motors for input shaft types are not listed.

3、Degree=0°, if terminal box position is not mentioned. It is X, if cable entry position is not mentioned.

4、If specific rotation directions of output shaft or/and input shaft are specially requested, please contact our technology department, and make detailed description while placing order.

Description of Motor Terminal Box Position and Cable Entry Position



Mounting Arrangements Description


Different kinds of mounting arrangements are defined as following:

- M1—horizontally mounted motor, unit base is at bottom.
- M2—motor is vertically mounted downwards.
- M3—horizontally mounted motor, unit base is top.
- M4—motor is vertically mounted upwards.
- M5—horizontally mounted motor, if placed on M1 position, left side of unit turns to bottom (view point: towards from motor side).
- M6—horizontally mounted motor, if placed on M1 position, left side of unit turns to top (view point: towards from motor side).

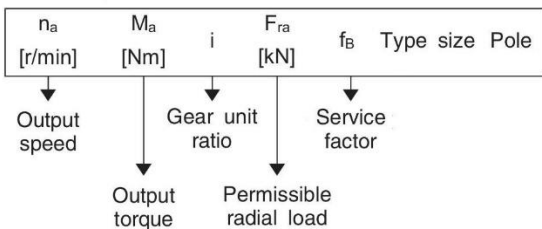
(Gear unit weight)

Size	S37	S47	S57	S67	S77	S87	S97	S100
(kg) Weight	7	10	14	26	50	95	170	240

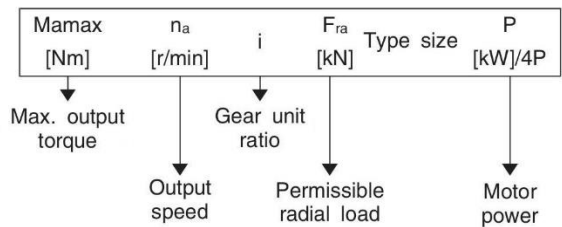
(Note: The weights mean are values, without the motor, only for reference.)

(Description of selection table)

Constant power



Constant torque



Selection Table
(Constant Power)

n_a [r/min]	Ma [Nm]	i	F_{ra} [kN]	f_B	Type size	Pole	n_a [r/min]	Ma [Nm]	i	F_{ra} [kN]	f_B	Type size	Pole																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
0.12kW							0.12kW																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
0.10	7446	12901	40	0.85	S100R77	4P	8.3	72	157.43	2.9	1.10	S37 SF37 SA37 SAF37	4P																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
0.11	6757	11708	40	0.95	SF100R77		0.12	6186	10719	40	1.05			SA100R77	0.13	5614	9727	40	1.15	SAF100R77	0.16	4825	8360	40	1.35		0.12	4325	11267	27	0.90	S97R57	4P	15	41	86.36	2.9	1.40	S37 SF37 SA37 SAF37	4P	0.13	3869	10078	31	1.10	SF97R57	0.15	3304	8608	32	1.25	SA97R57	0.17	2900	7554	33	1.45	SAF97R57	0.17	2767	7643	14	0.90		0.20	2428	6706	26	1.05	S87R57	4P	16	39	80.96	2.9	1.40	S37 SF37 SA37 SAF37	4P	0.22	2184	5875	26	1.15	SF87R57	0.25	1928	5187	27	1.30	SA87R57	0.28	1759	4606	27	1.40	SAF87R57	0.34	1479	3872	28	1.55		0.37	1334	3540	9.2	0.95		4P	35	23	37.66	2.9	1.75	S37 SF37 SA37 SAF37	4P	0.42	1167	3098	12	1.10	S77R37	0.55	1309	2374	11	0.90	SF77R37	0.63	1149	2083	12	1.10	SA77R37	0.72	1015	1813	13	1.30	SAF77R37	0.75	977	1745	14	1.35		4P	68	12	19.13	2.9	2.20	S37 SF37 SA37 SAF37	4P	0.82	896	1600	14	1.40		0.93	786	1404	14	1.50		1.1	708	1245	15	1.60		1.0	713	1363	4.6	0.80		4P	79	11	16.48	2.7	2.20	S37 SF37 SA37 SAF37	4P	1.1	668	1194	7.8	0.85		1.3	589	1045	8.3	1.00		1.4	519	914	8.8	1.10	S67R37	1.6	463	809	9.1	1.25	SF67R37	1.8	410	712	9.4	1.40	SA67R37	4P	85	11	15.45	2.7	2.30	S37 SF37 SA37 SAF37	4P	2.1	356	615	10	1.55	SAF67R37	2.4	317	543	10	1.60		2.8	276	469	10	1.75		3.1	250	424	10	1.80		3.6	217	365	10	1.95		4P	0.18kW							2.0	355	655	6.6	0.85		4P	0.16	7238	8360	40	0.90	S100R77	4P	2.3	321	574	6.9	0.95		2.6	284	506	7.2	1.10	S57R17	3.0	248	438	7.4	1.25	SF57R17	3.4	221	388	7.5	1.35	SA57R17	3.9	193	336	7.6	1.45	SAF57R17	4P	0.18	6256	7226	40	1.05	SF100R77	4.5	170	294	7.7	1.55		4.9	156	269	7.7	1.60		3.0	231	438	4.8	0.80		0.20	5677	6557	40	1.15	SA100R77	3.4	225	388	4.9	0.85		0.23	4994	5769	40	1.30	SAF100R77	3.9	196	336	5.1	0.95	S47R17	4P	0.28	2639	4606	20	0.95	S87R57	4P	4.5	173	294	5.2	1.10	SF47R17	5.1	115	257	5.4	1.40	SA47R17	5.7	136	229	5.3	1.30	SAF47R17	6.6	119	200	5.3	1.35		7.0	112	187	5.4	1.40		0.34	2218	3872	26	1.15	SF87R57	4P	6.5	108	202	2.9	0.85		0.38	2047	3475	26	1.25	S87R57	7.3	96	179	2.9	0.95	S37R17	4P	0.45	1732	2905	27	1.40	SF87R57	8.3	86	158	2.9	1.05	SF37R17	9.1	78	144	2.9	1.05	SA37R17	11	65	118	2.9	1.15	SAF37R17	12	61	110	2.9	1.15		6.5	93	201.00	5.4	1.55		0.80	1020	1631	28	1.85	SA87R57	4P	7.1	86	184.80	5.4	1.60	S47	4P	0.93	1179	1404	11	1.10	S77R37	8.3	75	158.12	5.5	1.65	SF47	9.6	65	137.05	5.5	1.80	SA47	10	62	128.10	5.5	1.80	SAF47	12	54	110.73	5.5	1.90		1.2	54	110.73	5.5	1.90		1.1	1062	1245	13	1.20	SF77R37	4P							1.2	938	1100	13	1.35	S77R37							1.4	826	954	14	1.50	SF77R37							1.6	730	837	14	1.60	SA77R37							1.8	622	714	15	1.70	SAF77R37							2.1	559	637	15	1.80	SF77R37	4P							2.3	507	574	15	1.90	SA77R37							1.6	694	809	4.9	0.85	S67R37							1.8	615	712	7.7	0.95	SF67R37							2.1	535	615	8.5	1.10	SA67R37							2.4	475	543	8.9	1.20	SAF67R37							2.8	413	469	9.3	1.40								3.1	375	424	9.5	1.50								3.6	325	365	10	1.60								3.0	372	438	6.3	0.85								3.4	332	388	6.7	0.90								3.9	290	336	7.0	1.05	S57R17							4.5	255	294	7.2	1.20	SF57R17							4.9	234	269	7.3	1.30	SA57R17							5.7	201	229	7.5	1.40	SAF57R17							6.4	180	204	7.6	1.50								7.0	166	187	7.6	1.55																																																																						
0.12	6186	10719	40	1.05	SA100R77		0.13	5614	9727	40	1.15			SAF100R77	0.16	4825	8360	40	1.35		0.12	4325	11267	27	0.90	S97R57	4P	15	41	86.36	2.9	1.40		S37 SF37 SA37 SAF37	4P	0.13	3869	10078			31	1.10	SF97R57	0.15	3304	8608	32	1.25	SA97R57	0.17	2900	7554	33	1.45	SAF97R57	0.17	2767	7643	14	0.90		0.20	2428	6706	26	1.05	S87R57	4P	16	39		80.96	2.9	1.40	S37 SF37 SA37 SAF37	4P			0.22	2184	5875	26	1.15	SF87R57	0.25	1928	5187	27	1.30	SA87R57	0.28	1759	4606	27	1.40	SAF87R57	0.34	1479	3872	28	1.55		0.37	1334	3540	9.2	0.95			4P	35	23	37.66	2.9			1.75	S37 SF37 SA37 SAF37	4P	0.42	1167	3098	12	1.10	S77R37	0.55	1309	2374	11	0.90	SF77R37	0.63	1149	2083	12	1.10	SA77R37	0.72	1015	1813	13	1.30	SAF77R37	0.75	977	1745		14	1.35		4P	68			12	19.13	2.9	2.20	S37 SF37 SA37 SAF37	4P	0.82	896	1600	14	1.40		0.93	786	1404	14	1.50		1.1	708	1245	15	1.60			1.0	713	1363	4.6	0.80				4P	79	11	16.48	2.7	2.20	S37 SF37 SA37 SAF37	4P	1.1	668	1194	7.8	0.85		1.3	589	1045	8.3	1.00		1.4	519	914	8.8	1.10	S67R37	1.6	463	809		9.1	1.25	SF67R37	1.8	410			712	9.4	1.40	SA67R37	4P	85	11	15.45	2.7	2.30	S37 SF37 SA37 SAF37	4P	2.1	356	615	10	1.55	SAF67R37	2.4	317	543	10	1.60		2.8	276	469	10	1.75			3.1	250	424	10	1.80		3.6	217	365	10	1.95		4P		0.18kW							2.0	355	655	6.6	0.85		4P	0.16	7238	8360	40	0.90	S100R77	4P	2.3	321	574	6.9	0.95		2.6	284	506	7.2	1.10	S57R17	3.0	248	438	7.4		1.25	SF57R17	3.4	221	388	7.5	1.35	SA57R17	3.9	193	336	7.6	1.45	SAF57R17	4P	0.18	6256	7226	40	1.05	SF100R77	4.5	170	294	7.7	1.55		4.9	156	269	7.7	1.60		3.0	231	438	4.8	0.80		0.20	5677	6557	40	1.15	SA100R77	3.4	225	388		4.9	0.85		0.23	4994	5769		40	1.30	SAF100R77	3.9	196	336	5.1	0.95	S47R17	4P	0.28	2639	4606	20	0.95	S87R57	4P	4.5	173	294	5.2	1.10	SF47R17	5.1	115	257	5.4	1.40	SA47R17	5.7	136	229	5.3	1.30	SAF47R17	6.6		119	200	5.3	1.35		7.0	112	187	5.4	1.40		0.34	2218	3872	26	1.15	SF87R57	4P		6.5	108	202	2.9	0.85		0.38	2047	3475	26	1.25	S87R57	7.3	96	179	2.9	0.95	S37R17	4P	0.45	1732	2905	27	1.40	SF87R57	8.3	86	158	2.9	1.05	SF37R17	9.1	78	144	2.9	1.05	SA37R17	11	65	118	2.9	1.15		SAF37R17	12	61	110	2.9	1.15			6.5	93	201.00	5.4	1.55		0.80	1020	1631	28	1.85	SA87R57	4P	7.1	86	184.80	5.4	1.60	S47	4P	0.93	1179	1404	11	1.10	S77R37	8.3	75	158.12	5.5	1.65	SF47	9.6	65	137.05	5.5	1.80	SA47	10	62	128.10		5.5	1.80	SAF47	12	54	110.73	5.5	1.90		1.2	54	110.73	5.5	1.90		1.1	1062	1245	13	1.20	SF77R37	4P							1.2	938	1100	13	1.35	S77R37							1.4	826	954	14	1.50	SF77R37							1.6	730	837	14	1.60	SA77R37								1.8	622	714	15	1.70	SAF77R37							2.1	559	637	15	1.80	SF77R37	4P							2.3	507	574	15	1.90	SA77R37							1.6	694	809	4.9	0.85	S67R37							1.8	615	712	7.7	0.95	SF67R37							2.1	535	615	8.5	1.10	SA67R37							2.4	475	543	8.9	1.20	SAF67R37							2.8	413	469	9.3	1.40								3.1	375	424	9.5	1.50								3.6	325	365	10	1.60								3.0	372	438	6.3	0.85								3.4	332	388	6.7	0.90								3.9	290	336	7.0	1.05	S57R17							4.5	255	294	7.2	1.20	SF57R17							4.9	234	269	7.3	1.30	SA57R17							5.7	201	229	7.5	1.40	SAF57R17							6.4	180	204	7.6	1.50								7.0	166	187	7.6	1.55																																															
0.13	5614	9727	40	1.15	SAF100R77		0.16	4825	8360	40	1.35				0.12	4325	11267	27	0.90	S97R57	4P	15	41	86.36	2.9	1.40		S37 SF37 SA37 SAF37	4P	0.13	3869	10078				31	1.10	SF97R57			0.15	3304	8608	32	1.25	SA97R57	0.17	2900	7554	33	1.45	SAF97R57	0.17	2767	7643	14	0.90		0.20	2428	6706	26	1.05	S87R57	4P	16	39		80.96	2.9		1.40	S37 SF37 SA37 SAF37	4P					0.22	2184	5875	26	1.15	SF87R57	0.25	1928	5187	27	1.30	SA87R57	0.28	1759	4606	27	1.40	SAF87R57	0.34	1479	3872	28	1.55		0.37	1334	3540	9.2	0.95				4P	35	23	37.66			2.9			1.75	S37 SF37 SA37 SAF37	4P	0.42	1167	3098	12	1.10	S77R37	0.55	1309	2374	11	0.90	SF77R37	0.63	1149	2083	12	1.10	SA77R37	0.72	1015	1813	13	1.30	SAF77R37		0.75	977	1745		14			1.35		4P	68			12	19.13	2.9	2.20	S37 SF37 SA37 SAF37	4P	0.82	896	1600	14	1.40		0.93	786	1404	14	1.50			1.1	708	1245	15	1.60					1.0	713	1363	4.6	0.80				4P	79	11	16.48	2.7	2.20	S37 SF37 SA37 SAF37	4P	1.1	668	1194	7.8	0.85		1.3	589	1045	8.3	1.00			1.4	519	914	8.8	1.10			S67R37	1.6	463	809		9.1	1.25	SF67R37	1.8	410			712	9.4	1.40	SA67R37	4P	85	11	15.45	2.7	2.30	S37 SF37 SA37 SAF37	4P	2.1	356	615	10	1.55	SAF67R37		2.4	317	543	10	1.60		2.8	276	469	10	1.75				3.1	250	424	10	1.80			3.6	217	365	10	1.95			4P	0.18kW							2.0	355	655	6.6	0.85		4P	0.16	7238	8360	40	0.90	S100R77	4P	2.3		321	574	6.9	0.95		2.6	284	506	7.2	1.10	S57R17	3.0	248	438		7.4	1.25	SF57R17	3.4	221	388	7.5	1.35	SA57R17	3.9	193	336	7.6	1.45	SAF57R17	4P	0.18	6256	7226	40	1.05	SF100R77	4.5	170	294	7.7	1.55		4.9	156	269	7.7	1.60			3.0	231	438	4.8	0.80			0.20	5677	6557	40	1.15	SA100R77	3.4	225		388	4.9	0.85		0.23	4994		5769	40	1.30	SAF100R77	3.9	196	336	5.1	0.95	S47R17	4P	0.28	2639	4606	20	0.95	S87R57	4P	4.5		173	294	5.2	1.10	SF47R17	5.1	115	257	5.4	1.40	SA47R17	5.7	136	229	5.3	1.30	SAF47R17			6.6	119	200	5.3	1.35		7.0	112	187	5.4	1.40		0.34	2218	3872	26	1.15	SF87R57		4P	6.5	108	202	2.9	0.85		0.38	2047	3475	26	1.25	S87R57	7.3	96	179	2.9	0.95	S37R17	4P	0.45	1732	2905		27	1.40	SF87R57	8.3	86	158		2.9	1.05	SF37R17	9.1	78	144	2.9	1.05	SA37R17	11	65	118	2.9		1.15	SAF37R17	12	61	110	2.9		1.15		6.5	93	201.00	5.4	1.55		0.80	1020	1631	28	1.85	SA87R57	4P	7.1	86	184.80	5.4	1.60	S47		4P	0.93	1179	1404	11	1.10	S77R37	8.3	75	158.12	5.5	1.65	SF47	9.6	65	137.05	5.5	1.80	SA47	10	62		128.10	5.5	1.80	SAF47	12	54	110.73	5.5	1.90		1.2	54	110.73	5.5	1.90		1.1	1062	1245	13	1.20	SF77R37	4P							1.2	938	1100	13	1.35	S77R37								1.4	826	954	14	1.50	SF77R37							1.6	730	837	14	1.60	SA77R37								1.8	622	714	15	1.70	SAF77R37							2.1	559	637	15	1.80	SF77R37	4P							2.3	507	574	15	1.90	SA77R37							1.6	694	809	4.9	0.85	S67R37							1.8	615	712	7.7	0.95	SF67R37							2.1	535	615	8.5	1.10	SA67R37							2.4	475	543	8.9	1.20	SAF67R37							2.8	413	469	9.3	1.40								3.1	375	424	9.5	1.50								3.6	325	365	10	1.60								3.0	372	438	6.3	0.85								3.4	332	388	6.7	0.90								3.9	290	336	7.0	1.05	S57R17							4.5	255	294	7.2	1.20	SF57R17							4.9	234	269	7.3	1.30	SA57R17							5.7	201	229	7.5	1.40	SAF57R17							6.4	180	204	7.6	1.50								7.0	166	187	7.6	1.55																							
0.16	4825	8360	40	1.35			0.12	4325	11267	27	0.90			S97R57	4P	15	41	86.36	2.9	1.40		S37 SF37 SA37 SAF37	4P	0.13	3869	10078				31	1.10	SF97R57				0.15	3304	8608			32	1.25	SA97R57	0.17	2900	7554	33	1.45	SAF97R57	0.17	2767	7643	14	0.90		0.20	2428	6706	26	1.05	S87R57	4P	16	39		80.96	2.9		1.40	S37 SF37 SA37 SAF37		4P							0.22	2184	5875	26	1.15	SF87R57	0.25	1928	5187	27	1.30	SA87R57	0.28	1759	4606	27	1.40	SAF87R57	0.34	1479	3872	28	1.55		0.37	1334	3540	9.2	0.95					4P	35	23			37.66			2.9			1.75	S37 SF37 SA37 SAF37	4P	0.42	1167	3098	12	1.10	S77R37	0.55	1309	2374	11	0.90	SF77R37	0.63	1149	2083	12	1.10	SA77R37	0.72	1015	1813		13	1.30	SAF77R37		0.75			977	1745		14			1.35		4P	68			12	19.13	2.9	2.20	S37 SF37 SA37 SAF37	4P	0.82	896	1600	14	1.40			0.93	786	1404	14	1.50					1.1	708	1245	15	1.60					1.0	713	1363	4.6	0.80				4P	79	11	16.48	2.7	2.20	S37 SF37 SA37 SAF37	4P	1.1	668	1194		7.8	0.85		1.3	589			1045	8.3	1.00			1.4	519	914	8.8	1.10			S67R37	1.6	463	809		9.1	1.25	SF67R37	1.8	410			712	9.4	1.40	SA67R37	4P	85		11	15.45	2.7	2.30	S37 SF37 SA37 SAF37	4P	2.1	356	615	10	1.55	SAF67R37			2.4	317	543	10	1.60			2.8	276	469	10	1.75				3.1	250	424	10	1.80			3.6	217	365	10	1.95			4P	0.18kW								2.0	355	655	6.6	0.85		4P	0.16	7238	8360	40	0.90	S100R77	4P		2.3	321	574	6.9	0.95		2.6	284	506	7.2	1.10	S57R17	3.0	248	438		7.4	1.25	SF57R17	3.4	221	388	7.5	1.35	SA57R17	3.9	193	336	7.6	1.45	SAF57R17	4P	0.18		6256	7226	40	1.05	SF100R77	4.5		170	294	7.7	1.55		4.9	156	269	7.7		1.60		3.0	231	438	4.8		0.80		0.20	5677	6557	40	1.15	SA100R77	3.4	225		388	4.9	0.85		0.23	4994		5769		40	1.30	SAF100R77	3.9	196	336	5.1	0.95	S47R17	4P	0.28	2639	4606	20	0.95	S87R57	4P			4.5	173	294	5.2	1.10	SF47R17	5.1	115	257	5.4	1.40	SA47R17	5.7	136	229	5.3	1.30	SAF47R17			6.6	119	200	5.3	1.35		7.0	112	187	5.4	1.40		0.34	2218	3872	26	1.15	SF87R57		4P	6.5	108		202	2.9	0.85		0.38	2047		3475	26	1.25	S87R57	7.3	96	179	2.9	0.95	S37R17	4P	0.45	1732		2905	27	1.40	SF87R57	8.3	86		158	2.9	1.05	SF37R17	9.1	78	144	2.9	1.05	SA37R17	11	65	118	2.9		1.15	SAF37R17	12	61	110	2.9			1.15		6.5	93	201.00	5.4	1.55		0.80	1020	1631	28	1.85	SA87R57	4P	7.1	86	184.80	5.4	1.60		S47	4P	0.93	1179	1404	11	1.10	S77R37	8.3	75	158.12	5.5	1.65	SF47	9.6	65	137.05	5.5	1.80	SA47	10	62		128.10	5.5	1.80	SAF47	12	54	110.73	5.5	1.90		1.2	54	110.73	5.5	1.90			1.1	1062	1245	13	1.20	SF77R37	4P							1.2	938	1100	13	1.35	S77R37								1.4	826	954	14	1.50	SF77R37							1.6	730	837	14	1.60	SA77R37								1.8	622	714	15	1.70	SAF77R37							2.1	559	637	15	1.80	SF77R37	4P							2.3	507	574	15	1.90	SA77R37							1.6	694	809	4.9	0.85	S67R37							1.8	615	712	7.7	0.95	SF67R37							2.1	535	615	8.5	1.10	SA67R37							2.4	475	543	8.9	1.20	SAF67R37							2.8	413	469	9.3	1.40								3.1	375	424	9.5	1.50								3.6	325	365	10	1.60								3.0	372	438	6.3	0.85								3.4	332	388	6.7	0.90								3.9	290	336	7.0	1.05	S57R17							4.5	255	294	7.2	1.20	SF57R17							4.9	234	269	7.3	1.30	SA57R17							5.7	201	229	7.5	1.40	SAF57R17							6.4	180	204	7.6	1.50								7.0	166	187	7.6
0.12	4325	11267	27	0.90	S97R57	4P	15	41	86.36	2.9	1.40	S37 SF37 SA37 SAF37	4P																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
0.13	3869	10078	31	1.10	SF97R57		0.15	3304	8608	32	1.25			SA97R57		0.17	2900	7554	33	1.45				SAF97R57	0.17	2767				7643	14	0.90				0.20	2428	6706	26	1.05	S87R57	4P	16	39	80.96	2.9	1.40	S37 SF37 SA37 SAF37	4P	0.22	2184	5875	26	1.15	SF87R57	0.25	1928	5187	27	1.30	SA87R57		0.28	1759		4606	27		1.40		SAF87R57						0.34	1479	3872	28	1.55		0.37	1334	3540	9.2	0.95		4P	35	23	37.66	2.9	1.75	S37 SF37 SA37 SAF37	4P	0.42	1167	3098	12	1.10	S77R37	0.55	1309	2374	11	0.90	SF77R37	0.63				1149	2083	12	1.10	SA77R37			0.72			1015			1813	13	1.30	SAF77R37	0.75	977	1745	14	1.35		4P	68	12	19.13	2.9	2.20	S37 SF37 SA37 SAF37	4P	0.82	896	1600	14	1.40		0.93		786	1404	14	1.50			1.1			708	1245		15			1.60		1.0	713			1363	4.6	0.80		4P	79	11	16.48	2.7	2.20	S37 SF37 SA37 SAF37	4P	1.1	668	1194		7.8	0.85		1.3	589			1045		8.3	1.00		1.4	519			914		8.8	1.10	S67R37	1.6	463			809	9.1	1.25	SF67R37	1.8	410	712	9.4	1.40	SA67R37	4P	85	11	15.45	2.7		2.30	S37 SF37 SA37 SAF37	4P	2.1	356			615	10	1.55	SAF67R37		2.4	317	543	10	1.60				2.8	276	469		10	1.75		3.1	250	424			10	1.80		3.6	217	365		10	1.95		4P	0.18kW							2.0	355	655			6.6	0.85		4P	0.16		7238	8360	40	0.90	S100R77	4P	2.3			321	574	6.9	0.95			2.6	284	506	7.2	1.10	S57R17	3.0	248		438	7.4	1.25	SF57R17	3.4	221			388	7.5	1.35	SA57R17	3.9	193	336	7.6	1.45	SAF57R17	4P	0.18	6256	7226	40		1.05	SF100R77	4.5	170	294	7.7	1.55		4.9	156	269	7.7	1.60		3.0		231	438	4.8	0.80		0.20	5677	6557	40	1.15	SA100R77	3.4	225	388	4.9	0.85		0.23		4994	5769	40	1.30	SAF100R77	3.9		196	336	5.1	0.95	S47R17	4P	0.28	2639	4606	20		0.95	S87R57	4P	4.5	173	294		5.2	1.10	SF47R17	5.1	115	257	5.4	1.40	SA47R17	5.7	136		229	5.3	1.30	SAF47R17	6.6	119			200	5.3	1.35		7.0	112	187	5.4	1.40		0.34	2218	3872	26	1.15	SF87R57	4P	6.5	108			202	2.9	0.85		0.38	2047	3475	26	1.25	S87R57	7.3	96	179	2.9	0.95	S37R17	4P	0.45			1732	2905	27	1.40	SF87R57	8.3	86	158	2.9	1.05	SF37R17	9.1	78	144	2.9	1.05	SA37R17	11	65	118		2.9	1.15		SAF37R17	12	61	110	2.9	1.15			6.5	93	201.00	5.4	1.55		0.80	1020	1631	28	1.85	SA87R57	4P		7.1	86	184.80	5.4	1.60	S47	4P		0.93	1179	1404	11	1.10	S77R37	8.3	75	158.12	5.5	1.65	SF47	9.6	65		137.05	5.5	1.80	SA47	10		62		128.10	5.5	1.80	SAF47	12	54	110.73	5.5	1.90		1.2	54	110.73	5.5	1.90		1.1	1062	1245	13		1.20	SF77R37	4P							1.2	938	1100	13	1.35	S77R37							1.4	826		954	14	1.50	SF77R37							1.6	730	837	14		1.60	SA77R37							1.8	622	714	15	1.70	SAF77R37							2.1	559	637		15	1.80	SF77R37	4P							2.3	507	574	15	1.90	SA77R37							1.6		694	809	4.9	0.85	S67R37							1.8	615	712	7.7	0.95	SF67R37							2.1	535	615	8.5	1.10	SA67R37							2.4	475	543	8.9	1.20	SAF67R37							2.8	413	469	9.3	1.40								3.1	375	424	9.5	1.50								3.6	325	365	10	1.60								3.0	372	438	6.3	0.85								3.4	332	388	6.7	0.90								3.9	290	336	7.0	1.05	S57R17							4.5	255	294	7.2	1.20	SF57R17							4.9	234	269	7.3	1.30	SA57R17							5.7	201	229	7.5	1.40	SAF57R17							6.4	180	204	7.6	1.50								7.0	166	187	7.6	1.55																		
0.15	3304	8608	32	1.25	SA97R57		0.17	2900	7554	33	1.45			SAF97R57		0.17	2767	7643	14	0.90					0.20	2428	6706			26	1.05	S87R57	4P	16	39	80.96	2.9	1.40	S37 SF37 SA37 SAF37	4P	0.22		2184	5875	26	1.15	SF87R57			0.25	1928	5187	27	1.30	SA87R57	0.28	1759	4606	27	1.40	SAF87R57		0.34	1479		3872	28	1.55			0.37				1334	3540	9.2	0.95		4P	35	23	37.66	2.9	1.75	S37 SF37 SA37 SAF37	4P	0.42		1167	3098	12	1.10	S77R37			0.55	1309	2374	11	0.90	SF77R37	0.63	1149	2083	12	1.10	SA77R37	0.72	1015			1813	13	1.30	SAF77R37	0.75	977	1745	14			1.35				4P	68	12	19.13	2.9	2.20	S37 SF37 SA37 SAF37	4P	0.82		896	1600	14	1.40				0.93	786	1404	14	1.50		1.1	708	1245	15	1.60		1.0		713	1363	4.6	0.80			4P			79	11	16.48	2.7			2.20	S37 SF37 SA37 SAF37	4P	1.1		668	1194	7.8	0.85				1.3	589	1045	8.3	1.00		1.4	519	914	8.8	1.10	S67R37		1.6	463	809	9.1	1.25			SF67R37		1.8	410	712	9.4	1.40			SA67R37	4P	85	11	15.45	2.7	2.30	S37 SF37 SA37 SAF37	4P	2.1		356	615	10	1.55	SAF67R37	2.4			317	543	10	1.60		2.8	276	469		10	1.75		3.1	250			424	10	1.80			3.6	217	365	10	1.95				4P	0.18kW							2.0	355		655	6.6	0.85		4P	0.16	7238	8360	40	0.90	S100R77		4P	2.3	321		574	6.9	0.95		2.6	284	506		7.2			1.10	S57R17	3.0	248	438		7.4	1.25	SF57R17	3.4	221	388	7.5	1.35		SA57R17	3.9	193	336	7.6	1.45		SAF57R17	4P	0.18	6256	7226	40	1.05	SF100R77	4.5	170	294		7.7	1.55		4.9		156	269	7.7	1.60		3.0	231	438	4.8	0.80		0.20	5677	6557	40		1.15	SA100R77	3.4	225	388	4.9	0.85		0.23	4994	5769	40	1.30	SAF100R77	3.9	196	336	5.1	0.95	S47R17	4P	0.28	2639	4606	20	0.95	S87R57	4P	4.5	173	294		5.2	1.10	SF47R17	5.1		115	257		5.4	1.40	SA47R17		5.7	136	229	5.3	1.30	SAF47R17	6.6	119	200	5.3	1.35			7.0	112	187	5.4	1.40			0.34	2218	3872	26	1.15	SF87R57	4P	6.5	108	202	2.9	0.85		0.38	2047	3475		26	1.25	S87R57		7.3	96	179	2.9	0.95	S37R17	4P	0.45	1732	2905	27	1.40	SF87R57	8.3	86	158		2.9			1.05	SF37R17	9.1	78	144	2.9	1.05	SA37R17	11	65	118	2.9	1.15	SAF37R17	12	61	110	2.9	1.15			6.5	93	201.00	5.4	1.55		0.80	1020	1631	28	1.85	SA87R57	4P	7.1	86	184.80	5.4	1.60	S47	4P	0.93	1179	1404			11	1.10	S77R37	8.3	75	158.12			5.5	1.65	SF47	9.6	65	137.05	5.5	1.80	SA47	10	62	128.10	5.5	1.80		SAF47	12	54	110.73	5.5	1.90			1.2	54	110.73	5.5	1.90		1.1	1062	1245	13	1.20	SF77R37	4P							1.2		938	1100		13	1.35	S77R37							1.4	826	954	14	1.50	SF77R37								1.6	730	837	14	1.60	SA77R37							1.8	622	714	15	1.70	SAF77R37							2.1	559	637	15	1.80	SF77R37	4P								2.3	507	574		15	1.90	SA77R37							1.6	694	809	4.9	0.85	S67R37								1.8	615	712	7.7	0.95	SF67R37							2.1	535	615	8.5	1.10	SA67R37							2.4	475	543	8.9	1.20	SAF67R37							2.8	413	469	9.3	1.40								3.1	375	424	9.5	1.50								3.6	325	365	10	1.60								3.0	372	438	6.3	0.85								3.4	332	388	6.7	0.90								3.9	290	336	7.0	1.05	S57R17							4.5	255	294	7.2	1.20	SF57R17							4.9	234	269	7.3	1.30	SA57R17							5.7	201	229	7.5	1.40	SAF57R17							6.4	180	204	7.6	1.50								7.0	166	187	7.6	1.55																											
0.17	2900	7554	33	1.45	SAF97R57		0.17	2767	7643	14	0.90					0.20	2428	6706	26	1.05	S87R57			4P	16	39	80.96	2.9	1.40	S37 SF37 SA37 SAF37	4P	0.22		2184	5875	26	1.15	SF87R57			0.25		1928	5187	27	1.30	SA87R57			0.28	1759	4606	27	1.40	SAF87R57	0.34	1479	3872	28	1.55			0.37	1334	3540	9.2	0.95		4P		35		23	37.66	2.9	1.75	S37 SF37 SA37 SAF37	4P	0.42		1167	3098	12	1.10	S77R37			0.55		1309	2374	11	0.90	SF77R37			0.63	1149	2083	12	1.10	SA77R37	0.72	1015	1813	13	1.30	SAF77R37	0.75	977	1745		14	1.35		4P	68	12	19.13	2.9	2.20	S37 SF37 SA37 SAF37	4P			0.82		896	1600	14	1.40				0.93		786	1404	14	1.50				1.1	708	1245	15	1.60		1.0	713	1363	4.6	0.80		4P	79	11	16.48	2.7	2.20	S37 SF37 SA37 SAF37			4P	1.1	668	1194	7.8	0.85						1.3		589	1045	8.3	1.00				1.4	519	914	8.8	1.10	S67R37	1.6	463	809	9.1	1.25	SF67R37	1.8	410	712	9.4	1.40	SA67R37	4P	85	11		15.45	2.7	2.30	S37 SF37 SA37 SAF37	4P			2.1		356	615	10	1.55	SAF67R37			2.4		317	543	10	1.60		2.8			276	469	10	1.75		3.1	250	424	10	1.80		3.6	217	365	10	1.95		4P	0.18kW							2.0	355				655	6.6	0.85		4P	0.16	7238	8360	40		0.90	S100R77	4P	2.3		321	574	6.9	0.95		2.6	284		506	7.2		1.10	S57R17	3.0	248	438	7.4	1.25		SF57R17	3.4		221	388	7.5	1.35	SA57R17	3.9	193	336	7.6	1.45	SAF57R17	4P	0.18	6256		7226	40	1.05	SF100R77	4.5	170		294		7.7	1.55		4.9	156	269	7.7	1.60			3.0	231	438	4.8	0.80		0.20	5677	6557	40	1.15	SA100R77	3.4	225	388	4.9	0.85		0.23	4994		5769	40	1.30	SAF100R77	3.9	196	336	5.1	0.95	S47R17	4P	0.28	2639	4606	20	0.95	S87R57	4P	4.5	173		294	5.2	1.10	SF47R17	5.1	115		257	5.4	1.40		SA47R17	5.7	136	229	5.3	1.30	SAF47R17		6.6	119	200	5.3	1.35		7.0	112	187	5.4	1.40		0.34	2218	3872		26	1.15	SF87R57	4P	6.5	108		202	2.9	0.85		0.38	2047	3475		26	1.25	S87R57	7.3	96	179	2.9	0.95	S37R17		4P	0.45	1732	2905	27	1.40	SF87R57	8.3	86	158		2.9	1.05	SF37R17	9.1	78	144	2.9	1.05	SA37R17		11	65		118	2.9	1.15	SAF37R17	12	61	110	2.9	1.15		6.5	93	201.00	5.4	1.55		0.80	1020	1631	28		1.85	SA87R57	4P	7.1	86	184.80	5.4	1.60	S47	4P	0.93	1179		1404	11	1.10	S77R37	8.3	75		158.12	5.5	1.65		SF47	9.6	65	137.05	5.5	1.80	SA47		10	62	128.10	5.5	1.80	SAF47	12	54	110.73	5.5	1.90		1.2	54	110.73		5.5	1.90		1.1	1062	1245	13		1.20	SF77R37	4P							1.2	938	1100		13	1.35	S77R37							1.4		826	954	14	1.50	SF77R37							1.6	730	837	14	1.60	SA77R37								1.8	622	714	15	1.70	SAF77R37							2.1	559	637	15	1.80	SF77R37	4P							2.3	507	574		15	1.90	SA77R37							1.6		694	809	4.9	0.85	S67R37							1.8	615	712	7.7	0.95	SF67R37								2.1	535	615	8.5	1.10	SA67R37							2.4	475	543	8.9	1.20	SAF67R37							2.8	413	469	9.3	1.40								3.1	375	424	9.5	1.50								3.6	325	365	10	1.60								3.0	372	438	6.3	0.85								3.4	332	388	6.7	0.90								3.9	290	336	7.0	1.05	S57R17							4.5	255	294	7.2	1.20	SF57R17							4.9	234	269	7.3	1.30	SA57R17							5.7	201	229	7.5	1.40	SAF57R17							6.4	180	204	7.6	1.50								7.0	166	187	7.6	1.55																																					
0.17	2767	7643	14	0.90			0.20	2428	6706	26	1.05			S87R57	4P	16	39	80.96	2.9	1.40	S37 SF37 SA37 SAF37	4P	0.22		2184	5875	26	1.15	SF87R57			0.25		1928	5187	27	1.30	SA87R57			0.28		1759	4606	27	1.40	SAF87R57			0.34	1479	3872	28	1.55		0.37	1334	3540	9.2	0.95		4P	35	23	37.66	2.9	1.75	S37 SF37 SA37 SAF37		4P	0.42	1167	3098	12	1.10	S77R37			0.55		1309	2374	11	0.90	SF77R37			0.63		1149	2083	12	1.10	SA77R37			0.72	1015	1813	13	1.30	SAF77R37	0.75	977	1745	14	1.35		4P	68	12	19.13	2.9	2.20	S37 SF37 SA37 SAF37		4P	0.82	896	1600	14			1.40		0.93		786	1404	14	1.50				1.1		708	1245	15	1.60				1.0	713	1363	4.6	0.80		4P	79	11	16.48	2.7	2.20		S37 SF37 SA37 SAF37	4P	1.1	668	1194		7.8			0.85		1.3	589	1045	8.3	1.00				1.4		519	914	8.8	1.10	S67R37			1.6	463	809	9.1	1.25	SF67R37	1.8	410	712	9.4	1.40	SA67R37	4P	85	11	15.45	2.7	2.30		S37 SF37 SA37 SAF37	4P	2.1	356	615	10			1.55	SAF67R37	2.4		317	543	10	1.60				2.8		276	469	10	1.75		3.1			250	424	10	1.80		3.6	217	365	10	1.95		4P	0.18kW							2.0	355	655	6.6	0.85		4P	0.16	7238	8360		40	0.90	S100R77	4P		2.3	321	574	6.9		0.95			2.6		284	506	7.2	1.10	S57R17	3.0	248		438	7.4		1.25	SF57R17	3.4	221	388	7.5	1.35		SA57R17	3.9	193	336	7.6	1.45	SAF57R17	4P	0.18	6256	7226	40	1.05	SF100R77		4.5	170	294	7.7	1.55		4.9	156	269	7.7	1.60			3.0	231	438	4.8	0.80		0.20	5677		6557	40	1.15	SA100R77	3.4	225	388	4.9	0.85		0.23	4994	5769	40	1.30	SAF100R77	3.9	196	336	5.1	0.95	S47R17	4P	0.28	2639	4606	20	0.95	S87R57	4P	4.5		173	294	5.2	1.10	SF47R17	5.1		115	257		5.4	1.40	SA47R17	5.7	136	229		5.3	1.30	SAF47R17		6.6	119	200	5.3	1.35		7.0		112	187	5.4	1.40		0.34	2218	3872	26	1.15	SF87R57	4P	6.5	108	202	2.9	0.85		0.38		2047	3475	26	1.25	S87R57	7.3	96	179	2.9	0.95		S37R17	4P	0.45	1732	2905	27	1.40	SF87R57	8.3			86	158	2.9	1.05	SF37R17	9.1	78	144	2.9		1.05	SA37R17	11	65	118	2.9	1.15	SAF37R17	12		61	110	2.9	1.15		6.5	93	201.00	5.4	1.55		0.80	1020	1631	28	1.85	SA87R57	4P	7.1	86	184.80	5.4	1.60	S47	4P	0.93		1179	1404	11	1.10	S77R37	8.3		75	158.12		5.5	1.65	SF47	9.6	65	137.05		5.5	1.80	SA47		10	62	128.10	5.5	1.80	SAF47	12		54	110.73	5.5	1.90		1.2	54	110.73	5.5	1.90		1.1	1062	1245	13	1.20	SF77R37	4P							1.2	938		1100	13	1.35	S77R37								1.4	826	954	14	1.50	SF77R37								1.6	730	837	14	1.60	SA77R37							1.8	622	714	15	1.70	SAF77R37							2.1	559	637	15	1.80	SF77R37	4P							2.3	507		574	15	1.90	SA77R37								1.6	694	809	4.9	0.85	S67R37								1.8	615	712	7.7	0.95	SF67R37							2.1	535	615	8.5	1.10	SA67R37							2.4	475	543	8.9	1.20	SAF67R37							2.8	413	469	9.3	1.40								3.1	375	424	9.5	1.50								3.6	325	365	10	1.60								3.0	372	438	6.3	0.85								3.4	332	388	6.7	0.90								3.9	290	336	7.0	1.05	S57R17							4.5	255	294	7.2	1.20	SF57R17							4.9	234	269	7.3	1.30	SA57R17							5.7	201	229	7.5	1.40	SAF57R17							6.4	180	204	7.6	1.50								7.0	166	187	7.6	1.55																																														
0.20	2428	6706	26	1.05	S87R57	4P	16	39	80.96	2.9	1.40	S37 SF37 SA37 SAF37	4P																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
0.22	2184	5875	26	1.15	SF87R57		0.25	1928	5187	27	1.30			SA87R57		0.28	1759	4606	27	1.40			SAF87R57		0.34	1479	3872	28	1.55					0.37	1334	3540	9.2	0.95				4P	35	23	37.66	2.9	1.75	S37 SF37 SA37 SAF37	4P	0.42	1167	3098	12	1.10	S77R37	0.55	1309	2374	11	0.90	SF77R37		0.63	1149	2083	12	1.10				SA77R37	0.72	1015	1813	13	1.30			SAF77R37		0.75	977	1745	14	1.35				4P	68	12	19.13	2.9	2.20	S37 SF37 SA37 SAF37	4P	0.82	896	1600	14	1.40		0.93	786	1404	14	1.50			1.1	708	1245	15	1.60					1.0	713	1363			4.6	0.80			4P	79	11	16.48	2.7			2.20	S37 SF37 SA37 SAF37	4P	1.1	668	1194	7.8	0.85		1.3	589	1045	8.3	1.00			1.4	519	914	8.8	1.10				S67R37	1.6	463		809			9.1	1.25	SF67R37	1.8	410	712	9.4	1.40			SA67R37	4P	85	11	15.45	2.7	2.30	S37 SF37 SA37 SAF37	4P	2.1	356	615	10	1.55	SAF67R37	2.4	317	543	10	1.60			2.8	276	469	10	1.75					3.1	250	424			10	1.80			3.6	217	365	10	1.95				4P	0.18kW							2.0	355	655	6.6	0.85		4P	0.16	7238	8360	40	0.90		S100R77	4P	2.3	321	574		6.9	0.95		2.6	284	506	7.2		1.10	S57R17	3.0		248	438	7.4			1.25	SF57R17	3.4	221	388	7.5	1.35		SA57R17		3.9	193	336	7.6	1.45	SAF57R17	4P		0.18	6256	7226	40	1.05	SF100R77	4.5	170	294	7.7	1.55		4.9	156	269	7.7	1.60			3.0	231	438	4.8	0.80			0.20	5677	6557	40	1.15	SA100R77	3.4	225	388	4.9	0.85			0.23	4994	5769	40	1.30	SAF100R77	3.9	196	336	5.1	0.95	S47R17	4P	0.28	2639	4606	20	0.95	S87R57	4P	4.5	173	294	5.2	1.10	SF47R17	5.1	115	257	5.4	1.40		SA47R17	5.7	136	229	5.3	1.30		SAF47R17		6.6	119	200	5.3	1.35			7.0	112		187	5.4	1.40		0.34	2218		3872	26	1.15	SF87R57	4P	6.5	108	202	2.9	0.85		0.38	2047	3475	26	1.25	S87R57	7.3	96	179	2.9	0.95	S37R17		4P	0.45	1732	2905	27	1.40	SF87R57		8.3	86	158	2.9	1.05	SF37R17	9.1	78	144	2.9		1.05		SA37R17	11	65	118	2.9	1.15	SAF37R17	12		61	110	2.9	1.15		6.5	93	201.00	5.4		1.55		0.80	1020	1631	28	1.85	SA87R57	4P	7.1	86	184.80	5.4	1.60	S47	4P	0.93	1179	1404	11	1.10	S77R37	8.3	75	158.12	5.5	1.65		SF47	9.6	65	137.05	5.5	1.80		SA47		10	62	128.10	5.5	1.80	SAF47		12	54		110.73	5.5	1.90		1.2	54		110.73	5.5	1.90		1.1	1062	1245	13	1.20	SF77R37	4P							1.2	938	1100	13	1.35	S77R37								1.4	826	954	14	1.50	SF77R37								1.6	730	837	14	1.60		SA77R37							1.8	622	714	15	1.70	SAF77R37							2.1	559	637	15	1.80	SF77R37	4P							2.3	507	574	15	1.90	SA77R37								1.6	694	809	4.9	0.85	S67R37								1.8	615	712	7.7	0.95		SF67R37							2.1	535	615	8.5	1.10	SA67R37							2.4	475	543	8.9	1.20	SAF67R37							2.8	413	469	9.3	1.40								3.1	375	424	9.5	1.50								3.6	325	365	10	1.60								3.0	372	438	6.3	0.85								3.4	332	388	6.7	0.90								3.9	290	336	7.0	1.05	S57R17							4.5	255	294	7.2	1.20	SF57R17							4.9	234	269	7.3	1.30	SA57R17							5.7	201	229	7.5	1.40	SAF57R17							6.4	180	204	7.6	1.50								7.0	166	187	7.6	1.55																																																																	
0.25	1928	5187	27	1.30	SA87R57		0.28	1759	4606	27	1.40			SAF87R57		0.34	1479	3872	28	1.55					0.37	1334	3540	9.2	0.95				4P	35	23	37.66	2.9	1.75	S37 SF37 SA37 SAF37	4P	0.42		1167	3098	12	1.10	S77R37			0.55	1309	2374	11	0.90	SF77R37	0.63	1149	2083	12	1.10	SA77R37		0.72	1015	1813	13	1.30				SAF77R37	0.75	977	1745	14	1.35				4P	68	12	19.13	2.9	2.20	S37 SF37 SA37 SAF37	4P	0.82		896	1600	14	1.40				0.93	786	1404	14	1.50		1.1	708	1245	15	1.60			1.0	713	1363	4.6	0.80					4P	79	11			16.48	2.7	2.20	S37 SF37 SA37 SAF37		4P	1.1	668	1194	7.8	0.85				1.3	589	1045	8.3	1.00		1.4	519	914	8.8	1.10	S67R37		1.6	463	809	9.1	1.25				SF67R37	1.8	410		712	9.4		1.40	SA67R37	4P	85	11	15.45	2.7	2.30	S37 SF37 SA37 SAF37	4P	2.1		356	615	10	1.55	SAF67R37			2.4	317	543	10	1.60		2.8	276	469	10	1.75			3.1	250	424	10	1.80					3.6	217	365			10	1.95		4P	0.18kW							2.0		355	655	6.6	0.85		4P	0.16	7238	8360	40	0.90	S100R77	4P		2.3	321	574	6.9	0.95				2.6	284	506		7.2	1.10	S57R17	3.0	248	438	7.4		1.25	SF57R17	3.4	221	388	7.5	1.35			SA57R17	3.9	193	336	7.6	1.45	SAF57R17		4P	0.18	6256	7226	40	1.05	SF100R77	4.5		170	294	7.7	1.55		4.9	156	269	7.7	1.60		3.0	231	438	4.8	0.80		0.20	5677		6557	40	1.15	SA100R77	3.4	225		388	4.9	0.85		0.23	4994	5769	40	1.30	SAF100R77	3.9	196	336	5.1	0.95	S47R17	4P	0.28	2639	4606	20	0.95	S87R57	4P	4.5		173	294	5.2	1.10	SF47R17	5.1		115	257	5.4	1.40	SA47R17	5.7	136	229	5.3	1.30	SAF47R17		6.6	119	200	5.3	1.35			7.0		112	187	5.4	1.40		0.34		2218	3872	26	1.15	SF87R57	4P	6.5	108	202	2.9	0.85		0.38	2047		3475	26	1.25	S87R57	7.3	96	179	2.9	0.95	S37R17	4P	0.45	1732	2905	27	1.40	SF87R57	8.3			86	158	2.9	1.05	SF37R17	9.1		78	144	2.9	1.05	SA37R17	11	65	118	2.9	1.15	SAF37R17	12		61	110	2.9	1.15		6.5	93	201.00		5.4	1.55		0.80	1020	1631	28	1.85	SA87R57	4P	7.1	86	184.80	5.4	1.60	S47	4P	0.93		1179	1404	11	1.10	S77R37	8.3		75	158.12	5.5	1.65	SF47	9.6	65	137.05	5.5	1.80	SA47		10	62	128.10	5.5	1.80	SAF47		12		54	110.73	5.5	1.90		1.2		54	110.73	5.5	1.90		1.1	1062	1245	13	1.20	SF77R37	4P							1.2	938		1100	13	1.35	S77R37							1.4	826	954	14	1.50	SF77R37								1.6	730	837	14		1.60	SA77R37							1.8	622	714	15	1.70	SAF77R37							2.1	559	637	15	1.80	SF77R37	4P							2.3	507		574	15	1.90	SA77R37							1.6	694	809	4.9	0.85	S67R37								1.8	615	712	7.7		0.95	SF67R37							2.1	535	615	8.5	1.10	SA67R37							2.4	475	543	8.9	1.20	SAF67R37							2.8	413	469	9.3	1.40								3.1	375	424	9.5	1.50								3.6	325	365	10	1.60								3.0	372	438	6.3	0.85								3.4	332	388	6.7	0.90								3.9	290	336	7.0	1.05	S57R17							4.5	255	294	7.2	1.20	SF57R17							4.9	234	269	7.3	1.30	SA57R17							5.7	201	229	7.5	1.40	SAF57R17							6.4	180	204	7.6	1.50								7.0	166	187	7.6	1.55																																																																										
0.28	1759	4606	27	1.40	SAF87R57		0.34	1479	3872	28	1.55					0.37	1334	3540	9.2	0.95				4P	35	23	37.66	2.9	1.75	S37 SF37 SA37 SAF37	4P	0.42		1167	3098	12	1.10	S77R37			0.55		1309	2374	11	0.90	SF77R37			0.63	1149	2083	12	1.10	SA77R37	0.72	1015	1813	13	1.30	SAF77R37		0.75	977	1745	14	1.35				4P	68	12	19.13	2.9	2.20	S37 SF37 SA37 SAF37	4P	0.82		896	1600	14	1.40				0.93		786	1404	14	1.50				1.1	708	1245	15	1.60		1.0	713	1363	4.6	0.80			4P	79	11	16.48	2.7		2.20		S37 SF37 SA37 SAF37		4P	1.1	668	1194	7.8	0.85					1.3	589	1045	8.3	1.00				1.4	519	914	8.8	1.10	S67R37	1.6	463	809	9.1	1.25	SF67R37		1.8	410	712	9.4	1.40	SA67R37			4P	85	11	15.45	2.7	2.30	S37 SF37 SA37 SAF37	4P	2.1		356	615	10	1.55	SAF67R37			2.4		317	543	10	1.60				2.8	276	469	10	1.75		3.1	250	424	10	1.80			3.6	217	365	10	1.95				4P	0.18kW							2.0		355	655	6.6	0.85		4P	0.16	7238		8360	40	0.90	S100R77	4P		2.3	321	574	6.9	0.95				2.6	284	506	7.2	1.10		S57R17		3.0	248	438	7.4	1.25	SF57R17	3.4	221	388	7.5	1.35		SA57R17	3.9	193	336	7.6	1.45	SAF57R17		4P	0.18	6256	7226	40	1.05	SF100R77	4.5	170		294	7.7	1.55		4.9	156	269		7.7	1.60		3.0	231	438	4.8	0.80		0.20	5677	6557	40	1.15	SA100R77	3.4	225	388	4.9		0.85		0.23	4994	5769	40	1.30	SAF100R77	3.9	196	336	5.1	0.95	S47R17	4P	0.28	2639	4606	20	0.95	S87R57	4P	4.5		173	294	5.2	1.10	SF47R17	5.1		115		257	5.4	1.40	SA47R17	5.7	136		229	5.3	1.30	SAF47R17	6.6	119	200	5.3	1.35		7.0		112	187	5.4	1.40		0.34		2218	3872	26	1.15	SF87R57	4P	6.5	108	202	2.9	0.85		0.38	2047		3475	26	1.25	S87R57	7.3	96	179	2.9		0.95	S37R17	4P	0.45	1732	2905	27	1.40	SF87R57	8.3		86	158	2.9	1.05	SF37R17	9.1	78			144	2.9	1.05	SA37R17	11	65	118	2.9	1.15	SAF37R17	12	61	110	2.9	1.15		6.5	93	201.00		5.4	1.55		0.80	1020	1631	28	1.85	SA87R57	4P	7.1	86	184.80	5.4	1.60	S47	4P	0.93		1179	1404	11	1.10	S77R37	8.3		75		158.12	5.5	1.65	SF47	9.6	65		137.05	5.5	1.80	SA47	10	62	128.10	5.5	1.80	SAF47	12		54	110.73	5.5	1.90		1.2		54	110.73	5.5	1.90		1.1	1062	1245	13	1.20	SF77R37	4P							1.2	938		1100	13	1.35	S77R37								1.4	826	954	14	1.50	SF77R37							1.6	730	837	14		1.60	SA77R37							1.8	622	714	15	1.70	SAF77R37							2.1	559	637	15	1.80	SF77R37	4P							2.3	507		574	15	1.90	SA77R37								1.6	694	809	4.9	0.85	S67R37							1.8	615	712	7.7		0.95	SF67R37							2.1	535	615	8.5	1.10	SA67R37							2.4	475	543	8.9	1.20	SAF67R37							2.8	413	469	9.3	1.40								3.1	375	424	9.5	1.50								3.6	325	365	10	1.60								3.0	372	438	6.3	0.85								3.4	332	388	6.7	0.90								3.9	290	336	7.0	1.05	S57R17							4.5	255	294	7.2	1.20	SF57R17							4.9	234	269	7.3	1.30	SA57R17							5.7	201	229	7.5	1.40	SAF57R17							6.4	180	204	7.6	1.50								7.0	166	187	7.6	1.55																																																																																			
0.34	1479	3872	28	1.55			0.37	1334	3540	9.2	0.95				4P	35	23	37.66	2.9	1.75	S37 SF37 SA37 SAF37	4P	0.42		1167	3098	12	1.10	S77R37			0.55		1309	2374	11	0.90	SF77R37			0.63		1149	2083	12	1.10	SA77R37			0.72	1015	1813	13	1.30	SAF77R37	0.75	977	1745	14	1.35		4P	68	12	19.13	2.9	2.20	S37 SF37 SA37 SAF37	4P	0.82		896	1600	14	1.40				0.93		786	1404	14	1.50				1.1		708	1245	15	1.60				1.0	713	1363	4.6	0.80		4P	79	11	16.48	2.7	2.20	S37 SF37 SA37 SAF37		4P	1.1	668	1194	7.8	0.85					1.3	589	1045	8.3	1.00					1.4	519	914	8.8	1.10	S67R37			1.6	463	809	9.1	1.25	SF67R37	1.8	410	712	9.4	1.40	SA67R37	4P	85	11	15.45	2.7	2.30	S37 SF37 SA37 SAF37	4P	2.1		356	615	10	1.55	SAF67R37			2.4		317	543	10	1.60				2.8		276	469	10	1.75				3.1	250	424	10	1.80		3.6	217	365	10	1.95		4P	0.18kW							2.0		355	655	6.6	0.85		4P	0.16	7238		8360	40	0.90	S100R77	4P		2.3	321		574	6.9	0.95				2.6	284	506	7.2	1.10	S57R17			3.0	248	438	7.4	1.25	SF57R17	3.4		221	388	7.5	1.35	SA57R17	3.9	193	336	7.6	1.45	SAF57R17	4P	0.18	6256	7226	40	1.05	SF100R77	4.5	170		294	7.7	1.55		4.9	156	269	7.7		1.60		3.0	231	438	4.8	0.80			0.20	5677	6557	40	1.15	SA100R77	3.4	225	388	4.9	0.85		0.23	4994	5769	40	1.30	SAF100R77	3.9	196	336	5.1	0.95	S47R17	4P	0.28	2639	4606	20	0.95	S87R57	4P	4.5		173	294	5.2	1.10	SF47R17	5.1		115		257	5.4	1.40	SA47R17	5.7	136		229		5.3	1.30	SAF47R17	6.6	119	200		5.3	1.35		7.0	112	187	5.4	1.40		0.34	2218	3872	26	1.15	SF87R57	4P	6.5	108	202	2.9	0.85		0.38	2047		3475	26	1.25	S87R57	7.3	96	179	2.9		0.95	S37R17	4P	0.45	1732	2905	27	1.40		SF87R57	8.3		86	158	2.9	1.05	SF37R17	9.1	78		144	2.9	1.05	SA37R17	11	65	118	2.9		1.15	SAF37R17	12	61	110	2.9	1.15		6.5	93	201.00	5.4	1.55		0.80	1020	1631	28	1.85	SA87R57	4P	7.1	86	184.80	5.4	1.60	S47	4P	0.93		1179	1404	11	1.10	S77R37	8.3		75		158.12	5.5	1.65	SF47	9.6	65		137.05		5.5	1.80	SA47	10	62	128.10		5.5	1.80	SAF47	12	54	110.73	5.5	1.90		1.2	54	110.73	5.5	1.90		1.1	1062	1245	13	1.20	SF77R37	4P							1.2	938		1100	13	1.35	S77R37								1.4	826	954	14	1.50	SF77R37								1.6	730	837	14	1.60	SA77R37							1.8	622	714	15	1.70	SAF77R37							2.1	559	637	15	1.80	SF77R37	4P							2.3	507		574	15	1.90	SA77R37								1.6	694	809	4.9	0.85	S67R37								1.8	615	712	7.7	0.95	SF67R37							2.1	535	615	8.5	1.10	SA67R37							2.4	475	543	8.9	1.20	SAF67R37							2.8	413	469	9.3	1.40								3.1	375	424	9.5	1.50								3.6	325	365	10	1.60								3.0	372	438	6.3	0.85								3.4	332	388	6.7	0.90								3.9	290	336	7.0	1.05	S57R17							4.5	255	294	7.2	1.20	SF57R17							4.9	234	269	7.3	1.30	SA57R17							5.7	201	229	7.5	1.40	SAF57R17							6.4	180	204	7.6	1.50								7.0	166	187	7.6	1.55																																																																																												
0.37	1334	3540	9.2	0.95		4P	35	23	37.66	2.9	1.75	S37 SF37 SA37 SAF37	4P																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
0.42	1167	3098	12	1.10	S77R37		0.55	1309	2374	11	0.90			SF77R37		0.63	1149	2083	12	1.10			SA77R37		0.72	1015	1813	13	1.30			SAF77R37		0.75	977	1745	14	1.35				4P	68	12	19.13	2.9	2.20	S37 SF37 SA37 SAF37	4P	0.82	896	1600	14	1.40		0.93	786	1404	14	1.50			1.1	708	1245	15	1.60					1.0	713	1363	4.6	0.80					4P	79	11	16.48	2.7			2.20	S37 SF37 SA37 SAF37	4P	1.1	668	1194	7.8	0.85		1.3	589	1045	8.3	1.00			1.4	519	914	8.8	1.10				S67R37	1.6	463	809	9.1	1.25				SF67R37	1.8	410	712	9.4	1.40		SA67R37		4P	85	11	15.45	2.7	2.30	S37 SF37 SA37 SAF37	4P	2.1	356	615	10	1.55	SAF67R37	2.4	317	543	10	1.60			2.8	276	469	10	1.75					3.1	250	424	10	1.80					3.6	217	365	10	1.95				4P	0.18kW							2.0	355	655	6.6	0.85		4P	0.16	7238	8360	40	0.90		S100R77	4P	2.3	321	574	6.9	0.95			2.6	284	506	7.2	1.10		S57R17	3.0		248	438	7.4	1.25			SF57R17	3.4	221	388	7.5	1.35	SA57R17			3.9	193	336	7.6	1.45	SAF57R17		4P	0.18	6256	7226	40	1.05	SF100R77	4.5	170	294	7.7	1.55		4.9	156	269	7.7	1.60		3.0		231	438	4.8	0.80		0.20	5677	6557		40	1.15	SA100R77	3.4	225	388	4.9	0.85			0.23	4994	5769	40	1.30	SAF100R77	3.9	196	336	5.1	0.95	S47R17	4P	0.28	2639	4606	20	0.95	S87R57	4P	4.5	173	294	5.2	1.10	SF47R17	5.1	115	257	5.4	1.40	SA47R17		5.7	136	229	5.3	1.30	SAF47R17		6.6		119	200	5.3	1.35		7.0		112		187	5.4	1.40		0.34	2218		3872	26	1.15	SF87R57	4P	6.5	108	202	2.9	0.85		0.38	2047	3475	26	1.25	S87R57	7.3	96	179	2.9	0.95	S37R17	4P		0.45	1732	2905	27	1.40	SF87R57	8.3	86		158	2.9	1.05	SF37R17	9.1	78	144	2.9		1.05	SA37R17		11	65	118	2.9	1.15	SAF37R17	12	61		110	2.9	1.15		6.5	93	201.00		5.4	1.55		0.80	1020	1631	28	1.85	SA87R57	4P	7.1	86	184.80	5.4	1.60	S47	4P	0.93	1179	1404	11	1.10	S77R37	8.3	75	158.12	5.5	1.65	SF47		9.6	65	137.05	5.5	1.80	SA47		10		62	128.10	5.5	1.80	SAF47	12		54		110.73	5.5	1.90		1.2	54		110.73	5.5	1.90		1.1	1062	1245	13	1.20	SF77R37	4P							1.2	938	1100	13	1.35	S77R37							1.4		826	954	14	1.50	SF77R37								1.6	730	837	14	1.60		SA77R37							1.8	622	714	15	1.70	SAF77R37							2.1	559	637	15	1.80	SF77R37	4P							2.3	507	574	15	1.90	SA77R37							1.6		694	809	4.9	0.85	S67R37								1.8	615	712	7.7	0.95		SF67R37							2.1	535	615	8.5	1.10	SA67R37							2.4	475	543	8.9	1.20	SAF67R37							2.8	413	469	9.3	1.40								3.1	375	424	9.5	1.50								3.6	325	365	10	1.60								3.0	372	438	6.3	0.85								3.4	332	388	6.7	0.90								3.9	290	336	7.0	1.05	S57R17							4.5	255	294	7.2	1.20	SF57R17							4.9	234	269	7.3	1.30	SA57R17							5.7	201	229	7.5	1.40	SAF57R17							6.4	180	204	7.6	1.50								7.0	166	187	7.6	1.55																																																																																																																
0.55	1309	2374	11	0.90	SF77R37		0.63	1149	2083	12	1.10			SA77R37		0.72	1015	1813	13	1.30			SAF77R37		0.75	977	1745	14	1.35				4P	68	12	19.13	2.9	2.20	S37 SF37 SA37 SAF37	4P	0.82		896	1600	14	1.40				0.93	786	1404	14	1.50		1.1	708	1245	15	1.60			1.0	713	1363	4.6	0.80					4P	79	11	16.48	2.7			2.20	S37 SF37 SA37 SAF37		4P	1.1	668	1194	7.8	0.85				1.3	589	1045	8.3	1.00		1.4	519	914	8.8	1.10	S67R37		1.6	463	809	9.1	1.25				SF67R37	1.8	410	712	9.4	1.40		SA67R37		4P	85	11	15.45	2.7	2.30	S37 SF37 SA37 SAF37	4P	2.1		356	615	10	1.55	SAF67R37			2.4	317	543	10	1.60		2.8	276	469	10	1.75			3.1	250	424	10	1.80					3.6	217	365	10	1.95				4P	0.18kW							2.0		355	655	6.6	0.85		4P	0.16	7238	8360	40	0.90	S100R77	4P		2.3	321	574	6.9	0.95				2.6	284	506	7.2	1.10	S57R17		3.0	248	438	7.4	1.25		SF57R17	3.4	221	388	7.5	1.35	SA57R17			3.9	193	336	7.6	1.45	SAF57R17	4P		0.18	6256	7226	40	1.05	SF100R77	4.5	170		294	7.7	1.55		4.9	156	269	7.7	1.60		3.0	231	438	4.8	0.80		0.20	5677	6557		40	1.15	SA100R77	3.4	225	388	4.9	0.85			0.23	4994	5769	40	1.30	SAF100R77	3.9	196	336	5.1	0.95	S47R17	4P	0.28	2639	4606	20	0.95	S87R57	4P	4.5		173	294	5.2	1.10	SF47R17	5.1		115	257	5.4	1.40	SA47R17	5.7	136	229	5.3	1.30	SAF47R17	6.6		119	200	5.3	1.35		7.0		112		187	5.4	1.40		0.34	2218		3872	26	1.15	SF87R57	4P	6.5	108	202	2.9	0.85		0.38	2047		3475	26	1.25	S87R57	7.3	96	179	2.9	0.95	S37R17	4P	0.45	1732	2905	27	1.40	SF87R57	8.3			86	158	2.9	1.05	SF37R17	9.1	78	144		2.9	1.05	SA37R17	11	65	118	2.9	1.15	SAF37R17	12	61		110	2.9	1.15		6.5	93	201.00	5.4		1.55		0.80	1020	1631	28	1.85	SA87R57	4P	7.1	86	184.80	5.4	1.60	S47	4P	0.93		1179	1404	11	1.10	S77R37	8.3		75	158.12	5.5	1.65	SF47	9.6	65	137.05	5.5	1.80	SA47	10		62	128.10	5.5	1.80	SAF47	12		54		110.73	5.5	1.90		1.2	54		110.73	5.5	1.90		1.1	1062	1245	13	1.20	SF77R37	4P							1.2	938		1100	13	1.35	S77R37							1.4	826	954	14	1.50	SF77R37								1.6	730	837	14	1.60		SA77R37							1.8	622	714	15	1.70	SAF77R37							2.1	559	637	15	1.80	SF77R37	4P							2.3	507		574	15	1.90	SA77R37							1.6	694	809	4.9	0.85	S67R37								1.8	615	712	7.7	0.95		SF67R37							2.1	535	615	8.5	1.10	SA67R37							2.4	475	543	8.9	1.20	SAF67R37							2.8	413	469	9.3	1.40								3.1	375	424	9.5	1.50								3.6	325	365	10	1.60								3.0	372	438	6.3	0.85								3.4	332	388	6.7	0.90								3.9	290	336	7.0	1.05	S57R17							4.5	255	294	7.2	1.20	SF57R17							4.9	234	269	7.3	1.30	SA57R17							5.7	201	229	7.5	1.40	SAF57R17							6.4	180	204	7.6	1.50								7.0	166	187	7.6	1.55																																																																																																																									
0.63	1149	2083	12	1.10	SA77R37		0.72	1015	1813	13	1.30			SAF77R37		0.75	977	1745	14	1.35				4P	68	12	19.13	2.9	2.20	S37 SF37 SA37 SAF37	4P	0.82		896	1600	14	1.40				0.93		786	1404	14	1.50				1.1	708	1245	15	1.60		1.0	713	1363	4.6	0.80			4P	79	11	16.48	2.7			2.20	S37 SF37 SA37 SAF37		4P	1.1	668	1194	7.8	0.85					1.3	589	1045	8.3	1.00				1.4	519	914	8.8	1.10	S67R37	1.6	463	809	9.1	1.25	SF67R37		1.8	410	712	9.4	1.40		SA67R37		4P	85	11	15.45	2.7	2.30	S37 SF37 SA37 SAF37	4P	2.1		356	615	10	1.55	SAF67R37			2.4		317	543	10	1.60				2.8	276	469	10	1.75		3.1	250	424	10	1.80			3.6	217	365	10	1.95				4P	0.18kW							2.0		355	655	6.6	0.85		4P	0.16	7238		8360	40	0.90	S100R77	4P		2.3	321	574	6.9	0.95				2.6	284	506	7.2	1.10		S57R17		3.0	248	438	7.4	1.25	SF57R17	3.4	221	388	7.5	1.35	SA57R17		3.9	193	336	7.6	1.45	SAF57R17	4P		0.18	6256	7226	40	1.05	SF100R77	4.5		170	294	7.7	1.55		4.9	156	269	7.7		1.60		3.0	231	438	4.8	0.80		0.20	5677	6557	40	1.15	SA100R77	3.4	225	388	4.9	0.85			0.23	4994	5769	40	1.30	SAF100R77	3.9	196	336	5.1	0.95	S47R17	4P	0.28	2639	4606	20	0.95	S87R57	4P	4.5		173	294	5.2	1.10	SF47R17	5.1		115		257	5.4	1.40	SA47R17	5.7	136		229	5.3	1.30	SAF47R17	6.6	119	200	5.3	1.35		7.0	112		187	5.4	1.40		0.34	2218		3872	26	1.15	SF87R57	4P	6.5	108	202	2.9	0.85		0.38	2047		3475	26	1.25	S87R57	7.3	96	179	2.9		0.95	S37R17	4P	0.45	1732	2905	27	1.40	SF87R57	8.3		86	158	2.9	1.05	SF37R17	9.1	78			144	2.9	1.05	SA37R17	11	65	118	2.9	1.15	SAF37R17	12	61	110	2.9	1.15		6.5	93	201.00	5.4		1.55		0.80	1020	1631	28	1.85	SA87R57	4P	7.1	86	184.80	5.4	1.60	S47	4P	0.93		1179	1404	11	1.10	S77R37	8.3		75		158.12	5.5	1.65	SF47	9.6	65		137.05	5.5	1.80	SA47	10	62	128.10	5.5	1.80	SAF47	12	54		110.73	5.5	1.90		1.2	54		110.73	5.5	1.90		1.1	1062	1245	13	1.20	SF77R37	4P							1.2	938		1100	13	1.35	S77R37								1.4	826	954	14	1.50	SF77R37							1.6	730	837	14	1.60		SA77R37							1.8	622	714	15	1.70	SAF77R37							2.1	559	637	15	1.80	SF77R37	4P							2.3	507		574	15	1.90	SA77R37								1.6	694	809	4.9	0.85	S67R37							1.8	615	712	7.7	0.95		SF67R37							2.1	535	615	8.5	1.10	SA67R37							2.4	475	543	8.9	1.20	SAF67R37							2.8	413	469	9.3	1.40								3.1	375	424	9.5	1.50								3.6	325	365	10	1.60								3.0	372	438	6.3	0.85								3.4	332	388	6.7	0.90								3.9	290	336	7.0	1.05	S57R17							4.5	255	294	7.2	1.20	SF57R17							4.9	234	269	7.3	1.30	SA57R17							5.7	201	229	7.5	1.40	SAF57R17							6.4	180	204	7.6	1.50								7.0	166	187	7.6	1.55																																																																																																																																		
0.72	1015	1813	13	1.30	SAF77R37		0.75	977	1745	14	1.35				4P	68	12	19.13	2.9	2.20	S37 SF37 SA37 SAF37	4P	0.82		896	1600	14	1.40				0.93		786	1404	14	1.50				1.1		708	1245	15	1.60				1.0	713	1363	4.6	0.80		4P	79	11	16.48	2.7	2.20	S37 SF37 SA37 SAF37		4P	1.1	668	1194	7.8	0.85					1.3	589	1045	8.3	1.00					1.4	519	914	8.8	1.10	S67R37			1.6	463	809	9.1	1.25	SF67R37	1.8	410	712	9.4	1.40	SA67R37	4P	85	11	15.45	2.7	2.30	S37 SF37 SA37 SAF37	4P	2.1		356	615	10	1.55	SAF67R37			2.4		317	543	10	1.60				2.8		276	469	10	1.75				3.1	250	424	10	1.80		3.6	217	365	10	1.95		4P	0.18kW							2.0		355	655	6.6	0.85		4P	0.16	7238		8360	40	0.90	S100R77	4P		2.3	321		574	6.9	0.95				2.6	284	506	7.2	1.10	S57R17			3.0	248	438	7.4	1.25	SF57R17	3.4		221	388	7.5	1.35	SA57R17	3.9	193	336	7.6	1.45	SAF57R17	4P	0.18	6256	7226	40	1.05	SF100R77	4.5		170	294	7.7	1.55		4.9	156	269		7.7	1.60		3.0	231	438	4.8	0.80			0.20	5677	6557	40	1.15	SA100R77	3.4	225	388	4.9	0.85		0.23	4994	5769	40	1.30	SAF100R77	3.9	196	336	5.1	0.95	S47R17	4P	0.28	2639	4606	20	0.95	S87R57	4P	4.5		173	294	5.2	1.10	SF47R17	5.1		115		257	5.4	1.40	SA47R17	5.7	136		229		5.3	1.30	SAF47R17	6.6	119	200		5.3	1.35		7.0	112	187	5.4	1.40		0.34	2218	3872	26	1.15	SF87R57	4P	6.5	108	202	2.9	0.85		0.38	2047		3475	26	1.25	S87R57	7.3	96	179	2.9		0.95	S37R17	4P	0.45	1732	2905	27	1.40		SF87R57	8.3		86	158	2.9	1.05	SF37R17	9.1	78		144	2.9	1.05	SA37R17	11	65	118		2.9	1.15	SAF37R17	12	61	110	2.9	1.15		6.5	93	201.00	5.4	1.55		0.80	1020	1631	28	1.85	SA87R57	4P	7.1	86	184.80	5.4	1.60	S47	4P	0.93		1179	1404	11	1.10	S77R37	8.3		75		158.12	5.5	1.65	SF47	9.6	65		137.05		5.5	1.80	SA47	10	62	128.10		5.5	1.80	SAF47	12	54	110.73	5.5	1.90		1.2	54	110.73	5.5	1.90		1.1	1062	1245	13	1.20	SF77R37	4P							1.2	938		1100	13	1.35	S77R37								1.4	826	954	14	1.50	SF77R37								1.6	730	837	14	1.60	SA77R37							1.8	622	714	15	1.70	SAF77R37							2.1	559	637	15	1.80	SF77R37	4P							2.3	507		574	15	1.90	SA77R37								1.6	694	809	4.9	0.85	S67R37								1.8	615	712	7.7	0.95	SF67R37							2.1	535	615	8.5	1.10	SA67R37							2.4	475	543	8.9	1.20	SAF67R37							2.8	413	469	9.3	1.40								3.1	375	424	9.5	1.50								3.6	325	365	10	1.60								3.0	372	438	6.3	0.85								3.4	332	388	6.7	0.90								3.9	290	336	7.0	1.05	S57R17							4.5	255	294	7.2	1.20	SF57R17							4.9	234	269	7.3	1.30	SA57R17							5.7	201	229	7.5	1.40	SAF57R17							6.4	180	204	7.6	1.50								7.0	166	187	7.6	1.55																																																																																																																																											
0.75	977	1745	14	1.35		4P	68	12	19.13	2.9	2.20	S37 SF37 SA37 SAF37	4P																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
0.82	896	1600	14	1.40			0.93	786	1404	14	1.50					1.1	708	1245	15	1.60					1.0	713	1363	4.6	0.80					4P	79	11	16.48	2.7			2.20	S37 SF37 SA37 SAF37	4P	1.1	668	1194	7.8	0.85		1.3	589	1045	8.3	1.00			1.4	519	914	8.8	1.10				S67R37	1.6	463	809	9.1	1.25				SF67R37	1.8	410	712	9.4	1.40		SA67R37		4P	85	11	15.45	2.7	2.30	S37 SF37 SA37 SAF37	4P	2.1	356	615	10	1.55	SAF67R37	2.4	317	543	10	1.60			2.8	276	469	10	1.75					3.1	250	424	10	1.80					3.6	217	365	10	1.95				4P	0.18kW							2.0	355	655	6.6	0.85		4P	0.16	7238	8360	40	0.90		S100R77	4P	2.3	321	574	6.9	0.95			2.6	284	506	7.2	1.10		S57R17	3.0		248	438	7.4	1.25			SF57R17	3.4	221	388	7.5	1.35	SA57R17			3.9	193	336	7.6	1.45	SAF57R17		4P	0.18	6256	7226	40	1.05	SF100R77	4.5	170	294	7.7	1.55		4.9	156	269	7.7	1.60		3.0		231	438	4.8	0.80		0.20	5677		6557	40	1.15	SA100R77	3.4	225	388	4.9		0.85		0.23	4994	5769	40	1.30	SAF100R77	3.9	196	336	5.1	0.95	S47R17	4P	0.28	2639	4606	20	0.95	S87R57	4P	4.5	173	294	5.2	1.10	SF47R17	5.1	115	257	5.4	1.40	SA47R17		5.7	136	229	5.3	1.30	SAF47R17		6.6		119	200	5.3	1.35		7.0		112		187	5.4	1.40		0.34	2218		3872	26	1.15	SF87R57	4P	6.5	108	202	2.9	0.85		0.38	2047	3475	26	1.25	S87R57	7.3	96	179	2.9	0.95	S37R17	4P		0.45	1732	2905	27	1.40	SF87R57	8.3	86		158	2.9	1.05	SF37R17	9.1	78	144	2.9		1.05	SA37R17		11	65	118	2.9	1.15	SAF37R17	12	61		110	2.9	1.15		6.5	93	201.00		5.4	1.55		0.80	1020	1631	28	1.85	SA87R57	4P	7.1	86	184.80	5.4	1.60	S47	4P	0.93	1179	1404	11	1.10	S77R37	8.3	75	158.12	5.5	1.65	SF47		9.6	65	137.05	5.5	1.80	SA47		10		62	128.10	5.5	1.80	SAF47	12		54		110.73	5.5	1.90		1.2	54		110.73	5.5	1.90		1.1	1062	1245	13	1.20	SF77R37	4P							1.2	938	1100	13	1.35	S77R37							1.4		826	954	14	1.50	SF77R37								1.6	730	837	14	1.60		SA77R37							1.8	622	714	15	1.70	SAF77R37							2.1	559	637	15	1.80	SF77R37	4P							2.3	507	574	15	1.90	SA77R37							1.6		694	809	4.9	0.85	S67R37								1.8	615	712	7.7	0.95		SF67R37							2.1	535	615	8.5	1.10	SA67R37							2.4	475	543	8.9	1.20	SAF67R37							2.8	413	469	9.3	1.40								3.1	375	424	9.5	1.50								3.6	325	365	10	1.60								3.0	372	438	6.3	0.85								3.4	332	388	6.7	0.90								3.9	290	336	7.0	1.05	S57R17							4.5	255	294	7.2	1.20	SF57R17							4.9	234	269	7.3	1.30	SA57R17							5.7	201	229	7.5	1.40	SAF57R17							6.4	180	204	7.6	1.50								7.0	166	187	7.6	1.55																																																																																																																																																															
0.93	786	1404	14	1.50			1.1	708	1245	15	1.60					1.0	713	1363	4.6	0.80					4P	79	11	16.48	2.7			2.20	S37 SF37 SA37 SAF37		4P	1.1	668	1194	7.8	0.85				1.3	589	1045	8.3	1.00		1.4	519	914	8.8	1.10	S67R37		1.6	463	809	9.1	1.25				SF67R37	1.8	410	712	9.4	1.40		SA67R37		4P	85	11	15.45	2.7	2.30	S37 SF37 SA37 SAF37	4P	2.1		356	615	10	1.55	SAF67R37			2.4	317	543	10	1.60		2.8	276	469	10	1.75			3.1	250	424	10	1.80					3.6	217	365	10	1.95				4P	0.18kW							2.0		355	655	6.6	0.85		4P	0.16	7238	8360	40	0.90	S100R77	4P		2.3	321	574	6.9	0.95				2.6	284	506	7.2	1.10	S57R17		3.0	248	438	7.4	1.25		SF57R17	3.4	221	388	7.5	1.35	SA57R17			3.9	193	336	7.6	1.45	SAF57R17	4P		0.18	6256	7226	40	1.05	SF100R77	4.5	170		294	7.7	1.55		4.9	156	269	7.7	1.60		3.0	231	438	4.8	0.80		0.20	5677	6557		40	1.15	SA100R77	3.4	225	388	4.9		0.85		0.23	4994	5769	40	1.30	SAF100R77	3.9	196	336	5.1	0.95	S47R17	4P	0.28	2639	4606	20	0.95	S87R57	4P	4.5		173	294	5.2	1.10	SF47R17	5.1		115	257	5.4	1.40	SA47R17	5.7	136	229	5.3	1.30	SAF47R17	6.6		119	200	5.3	1.35		7.0		112		187	5.4	1.40		0.34	2218		3872	26	1.15	SF87R57	4P	6.5	108	202	2.9	0.85		0.38	2047		3475	26	1.25	S87R57	7.3	96	179	2.9	0.95	S37R17	4P	0.45	1732	2905	27	1.40	SF87R57	8.3			86	158	2.9	1.05	SF37R17	9.1	78	144		2.9	1.05	SA37R17	11	65	118	2.9	1.15	SAF37R17	12	61		110	2.9	1.15		6.5	93	201.00	5.4		1.55		0.80	1020	1631	28	1.85	SA87R57	4P	7.1	86	184.80	5.4	1.60	S47	4P	0.93		1179	1404	11	1.10	S77R37	8.3		75	158.12	5.5	1.65	SF47	9.6	65	137.05	5.5	1.80	SA47	10		62	128.10	5.5	1.80	SAF47	12		54		110.73	5.5	1.90		1.2	54		110.73	5.5	1.90		1.1	1062	1245	13	1.20	SF77R37	4P							1.2	938		1100	13	1.35	S77R37							1.4	826	954	14	1.50	SF77R37								1.6	730	837	14	1.60		SA77R37							1.8	622	714	15	1.70	SAF77R37							2.1	559	637	15	1.80	SF77R37	4P							2.3	507		574	15	1.90	SA77R37							1.6	694	809	4.9	0.85	S67R37								1.8	615	712	7.7	0.95		SF67R37							2.1	535	615	8.5	1.10	SA67R37							2.4	475	543	8.9	1.20	SAF67R37							2.8	413	469	9.3	1.40								3.1	375	424	9.5	1.50								3.6	325	365	10	1.60								3.0	372	438	6.3	0.85								3.4	332	388	6.7	0.90								3.9	290	336	7.0	1.05	S57R17							4.5	255	294	7.2	1.20	SF57R17							4.9	234	269	7.3	1.30	SA57R17							5.7	201	229	7.5	1.40	SAF57R17							6.4	180	204	7.6	1.50								7.0	166	187	7.6	1.55																																																																																																																																																																								
1.1	708	1245	15	1.60			1.0	713	1363	4.6	0.80					4P	79	11	16.48	2.7			2.20	S37 SF37 SA37 SAF37		4P	1.1	668	1194	7.8	0.85					1.3	589	1045	8.3	1.00				1.4	519	914	8.8	1.10	S67R37	1.6	463	809	9.1	1.25	SF67R37		1.8	410	712	9.4	1.40		SA67R37		4P	85	11	15.45	2.7	2.30	S37 SF37 SA37 SAF37	4P	2.1		356	615	10	1.55	SAF67R37			2.4		317	543	10	1.60				2.8	276	469	10	1.75		3.1	250	424	10	1.80			3.6	217	365	10	1.95				4P	0.18kW							2.0		355	655	6.6	0.85		4P	0.16	7238		8360	40	0.90	S100R77	4P		2.3	321	574	6.9	0.95				2.6	284	506	7.2	1.10		S57R17		3.0	248	438	7.4	1.25	SF57R17	3.4	221	388	7.5	1.35	SA57R17		3.9	193	336	7.6	1.45	SAF57R17	4P		0.18	6256	7226	40	1.05	SF100R77	4.5		170	294	7.7	1.55		4.9	156	269	7.7		1.60		3.0	231	438	4.8	0.80		0.20	5677	6557	40	1.15	SA100R77	3.4	225	388	4.9	0.85			0.23	4994	5769	40	1.30	SAF100R77	3.9	196	336	5.1	0.95	S47R17	4P	0.28	2639	4606	20	0.95	S87R57	4P	4.5		173	294	5.2	1.10	SF47R17	5.1		115		257	5.4	1.40	SA47R17	5.7	136		229	5.3	1.30	SAF47R17	6.6	119	200	5.3	1.35		7.0	112		187	5.4	1.40		0.34	2218		3872	26	1.15	SF87R57	4P	6.5	108	202	2.9	0.85		0.38	2047		3475	26	1.25	S87R57	7.3	96	179	2.9		0.95	S37R17	4P	0.45	1732	2905	27	1.40	SF87R57	8.3		86	158	2.9	1.05	SF37R17	9.1	78			144	2.9	1.05	SA37R17	11	65	118	2.9	1.15	SAF37R17	12	61	110	2.9	1.15		6.5	93	201.00	5.4		1.55		0.80	1020	1631	28	1.85	SA87R57	4P	7.1	86	184.80	5.4	1.60	S47	4P	0.93		1179	1404	11	1.10	S77R37	8.3		75		158.12	5.5	1.65	SF47	9.6	65		137.05	5.5	1.80	SA47	10	62	128.10	5.5	1.80	SAF47	12	54		110.73	5.5	1.90		1.2	54		110.73	5.5	1.90		1.1	1062	1245	13	1.20	SF77R37	4P							1.2	938		1100	13	1.35	S77R37								1.4	826	954	14	1.50	SF77R37							1.6	730	837	14	1.60		SA77R37							1.8	622	714	15	1.70	SAF77R37							2.1	559	637	15	1.80	SF77R37	4P							2.3	507		574	15	1.90	SA77R37								1.6	694	809	4.9	0.85	S67R37							1.8	615	712	7.7	0.95		SF67R37							2.1	535	615	8.5	1.10	SA67R37							2.4	475	543	8.9	1.20	SAF67R37							2.8	413	469	9.3	1.40								3.1	375	424	9.5	1.50								3.6	325	365	10	1.60								3.0	372	438	6.3	0.85								3.4	332	388	6.7	0.90								3.9	290	336	7.0	1.05	S57R17							4.5	255	294	7.2	1.20	SF57R17							4.9	234	269	7.3	1.30	SA57R17							5.7	201	229	7.5	1.40	SAF57R17							6.4	180	204	7.6	1.50								7.0	166	187	7.6	1.55																																																																																																																																																																																	
1.0	713	1363	4.6	0.80			4P	79	11	16.48	2.7			2.20	S37 SF37 SA37 SAF37		4P																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
1.1	668	1194	7.8	0.85		1.3		589	1045	8.3	1.00		1.4	519				914	8.8	1.10	S67R37	1.6	463				809	9.1	1.25	SF67R37	1.8	410				712	9.4	1.40	SA67R37	4P	85			11	15.45	2.7	2.30	S37 SF37 SA37 SAF37	4P	2.1	356	615	10	1.55	SAF67R37	2.4	317	543	10	1.60		2.8	276	469		10	1.75		3.1	250			424		10	1.80		3.6	217			365		10	1.95		4P	0.18kW							2.0	355	655	6.6	0.85		4P	0.16	7238	8360	40	0.90	S100R77	4P	2.3	321	574		6.9	0.95		2.6	284	506	7.2	1.10		S57R17	3.0	248	438	7.4		1.25	SF57R17		3.4	221	388	7.5			1.35	SA57R17	3.9	193	336	7.6			1.45	SAF57R17	4P	0.18	6256	7226	40		1.05	SF100R77	4.5	170	294	7.7	1.55		4.9	156	269	7.7	1.60		3.0	231	438	4.8	0.80			0.20	5677	6557	40	1.15	SA100R77	3.4		225	388	4.9	0.85		0.23	4994	5769	40		1.30	SAF100R77	3.9	196	336	5.1	0.95	S47R17	4P	0.28	2639	4606	20	0.95	S87R57	4P	4.5	173	294	5.2	1.10	SF47R17	5.1	115	257	5.4	1.40	SA47R17	5.7	136	229	5.3	1.30		SAF47R17	6.6	119	200	5.3	1.35				7.0	112	187	5.4	1.40			0.34		2218	3872	26	1.15	SF87R57	4P		6.5	108	202	2.9	0.85		0.38	2047	3475	26	1.25	S87R57	7.3	96	179	2.9	0.95	S37R17	4P	0.45	1732	2905	27	1.40		SF87R57	8.3	86	158	2.9	1.05	SF37R17	9.1		78	144	2.9	1.05	SA37R17	11	65	118		2.9	1.15		SAF37R17	12	61	110	2.9	1.15			6.5	93	201.00	5.4	1.55		0.80		1020	1631	28	1.85	SA87R57	4P	7.1	86	184.80	5.4	1.60	S47	4P	0.93	1179	1404	11	1.10	S77R37	8.3	75	158.12	5.5	1.65	SF47	9.6	65	137.05	5.5	1.80		SA47	10	62	128.10	5.5	1.80		SAF47		12	54	110.73	5.5	1.90			1.2		54	110.73	5.5	1.90		1.1		1062	1245	13	1.20	SF77R37	4P							1.2	938	1100	13	1.35	S77R37							1.4	826	954	14	1.50	SF77R37								1.6	730		837	14	1.60	SA77R37								1.8	622	714	15	1.70	SAF77R37							2.1	559	637	15	1.80	SF77R37	4P							2.3	507	574	15	1.90	SA77R37							1.6	694	809	4.9	0.85	S67R37								1.8	615		712	7.7	0.95	SF67R37								2.1	535	615	8.5	1.10	SA67R37							2.4	475	543	8.9	1.20	SAF67R37							2.8	413	469	9.3	1.40								3.1	375	424	9.5	1.50								3.6	325	365	10	1.60								3.0	372	438	6.3	0.85								3.4	332	388	6.7	0.90								3.9	290	336	7.0	1.05	S57R17							4.5	255	294	7.2	1.20	SF57R17							4.9	234	269	7.3	1.30	SA57R17							5.7	201	229	7.5	1.40	SAF57R17							6.4	180	204	7.6	1.50								7.0	166	187	7.6	1.55																																																																																																																																																																																																										
1.3	589	1045	8.3	1.00		1.4		519	914	8.8	1.10	S67R37	1.6	463				809	9.1	1.25	SF67R37	1.8	410				712	9.4	1.40	SA67R37	4P	85		11		15.45	2.7	2.30	S37 SF37 SA37 SAF37		4P	2.1	356	615	10	1.55	SAF67R37			2.4	317	543	10	1.60		2.8	276	469	10	1.75		3.1	250	424		10	1.80		3.6	217			365		10	1.95		4P	0.18kW							2.0		355	655	6.6	0.85		4P	0.16	7238	8360	40	0.90	S100R77	4P		2.3	321	574	6.9	0.95			2.6	284	506		7.2	1.10	S57R17	3.0	248	438	7.4	1.25		SF57R17	3.4	221	388	7.5		1.35	SA57R17	3.9	193	336	7.6	1.45			SAF57R17	4P	0.18	6256	7226	40		1.05	SF100R77	4.5		170	294	7.7	1.55		4.9	156	269	7.7	1.60		3.0	231	438	4.8	0.80		0.20	5677	6557	40	1.15	SA100R77	3.4		225	388	4.9	0.85		0.23	4994	5769		40	1.30	SAF100R77	3.9	196	336	5.1	0.95	S47R17	4P	0.28	2639	4606	20	0.95	S87R57	4P	4.5		173	294	5.2	1.10	SF47R17	5.1		115	257	5.4	1.40	SA47R17	5.7	136	229	5.3	1.30	SAF47R17	6.6	119	200	5.3	1.35			7.0	112	187	5.4	1.40			0.34		2218	3872	26	1.15	SF87R57	4P		6.5	108	202	2.9	0.85		0.38		2047	3475	26	1.25	S87R57	7.3	96	179	2.9	0.95	S37R17	4P	0.45	1732	2905	27	1.40	SF87R57	8.3		86	158	2.9	1.05	SF37R17		9.1	78	144	2.9	1.05	SA37R17	11	65		118	2.9	1.15	SAF37R17	12	61	110	2.9	1.15		6.5		93	201.00	5.4	1.55		0.80	1020		1631	28	1.85	SA87R57	4P	7.1	86	184.80	5.4	1.60	S47	4P	0.93		1179	1404	11	1.10	S77R37	8.3		75	158.12	5.5	1.65	SF47	9.6	65	137.05	5.5	1.80	SA47	10	62	128.10	5.5	1.80	SAF47		12	54	110.73	5.5	1.90			1.2		54	110.73	5.5	1.90		1.1		1062	1245	13	1.20	SF77R37	4P							1.2	938		1100	13	1.35	S77R37							1.4	826	954	14	1.50	SF77R37							1.6	730		837	14	1.60	SA77R37								1.8	622	714	15	1.70	SAF77R37							2.1	559	637	15	1.80	SF77R37	4P							2.3	507		574	15	1.90	SA77R37							1.6	694	809	4.9	0.85	S67R37							1.8	615		712	7.7	0.95	SF67R37								2.1	535	615	8.5	1.10	SA67R37							2.4	475	543	8.9	1.20	SAF67R37							2.8	413	469	9.3	1.40								3.1	375	424	9.5	1.50								3.6	325	365	10	1.60								3.0	372	438	6.3	0.85								3.4	332	388	6.7	0.90								3.9	290	336	7.0	1.05	S57R17							4.5	255	294	7.2	1.20	SF57R17							4.9	234	269	7.3	1.30	SA57R17							5.7	201	229	7.5	1.40	SAF57R17							6.4	180	204	7.6	1.50								7.0	166	187	7.6	1.55																																																																																																																																																																																																																			
1.4	519	914	8.8	1.10	S67R37	1.6		463	809	9.1	1.25	SF67R37	1.8	410				712	9.4	1.40	SA67R37	4P	85		11		15.45	2.7	2.30	S37 SF37 SA37 SAF37		4P	2.1	356	615	10	1.55	SAF67R37				2.4	317	543	10	1.60				2.8	276	469	10	1.75		3.1	250	424	10	1.80		3.6	217	365		10	1.95		4P	0.18kW							2.0		355	655	6.6	0.85		4P	0.16	7238		8360	40	0.90	S100R77	4P		2.3	321	574	6.9	0.95				2.6	284	506	7.2	1.10	S57R17		3.0	248	438		7.4	1.25	SF57R17	3.4	221	388	7.5	1.35	SA57R17	3.9	193	336	7.6	1.45		SAF57R17	4P	0.18	6256	7226	40	1.05		SF100R77	4.5		170	294	7.7	1.55		4.9	156	269		7.7	1.60		3.0	231	438	4.8	0.80		0.20	5677	6557	40	1.15	SA100R77	3.4	225	388	4.9	0.85		0.23	4994	5769		40	1.30	SAF100R77	3.9	196	336	5.1	0.95	S47R17	4P	0.28	2639	4606	20	0.95	S87R57	4P	4.5		173	294	5.2	1.10	SF47R17	5.1		115		257	5.4	1.40	SA47R17	5.7	136		229	5.3	1.30	SAF47R17	6.6	119	200	5.3	1.35		7.0	112	187	5.4	1.40		0.34		2218	3872	26	1.15	SF87R57	4P		6.5	108	202	2.9	0.85		0.38		2047	3475	26	1.25	S87R57	7.3	96	179		2.9	0.95	S37R17	4P	0.45	1732	2905	27	1.40	SF87R57	8.3		86	158	2.9	1.05	SF37R17	9.1	78		144	2.9	1.05	SA37R17	11		65	118	2.9	1.15	SAF37R17	12	61	110	2.9	1.15		6.5	93	201.00	5.4	1.55		0.80	1020	1631		28	1.85	SA87R57	4P	7.1	86	184.80	5.4	1.60	S47	4P	0.93		1179	1404	11	1.10	S77R37	8.3		75		158.12	5.5	1.65	SF47	9.6	65		137.05	5.5	1.80	SA47	10	62	128.10	5.5	1.80	SAF47	12	54	110.73	5.5	1.90		1.2		54	110.73	5.5	1.90		1.1		1062	1245	13	1.20	SF77R37	4P							1.2	938		1100	13	1.35	S77R37								1.4	826	954	14	1.50	SF77R37							1.6	730	837	14	1.60	SA77R37								1.8	622	714	15	1.70	SAF77R37							2.1	559	637	15	1.80	SF77R37	4P							2.3	507		574	15	1.90	SA77R37								1.6	694	809	4.9	0.85	S67R37							1.8	615	712	7.7	0.95	SF67R37								2.1	535	615	8.5	1.10	SA67R37							2.4	475	543	8.9	1.20	SAF67R37							2.8	413	469	9.3	1.40								3.1	375	424	9.5	1.50								3.6	325	365	10	1.60								3.0	372	438	6.3	0.85								3.4	332	388	6.7	0.90								3.9	290	336	7.0	1.05	S57R17							4.5	255	294	7.2	1.20	SF57R17							4.9	234	269	7.3	1.30	SA57R17							5.7	201	229	7.5	1.40	SAF57R17							6.4	180	204	7.6	1.50								7.0	166	187	7.6	1.55																																																																																																																																																																																																																												
1.6	463	809	9.1	1.25	SF67R37	1.8		410	712	9.4	1.40	SA67R37	4P	85		11		15.45	2.7	2.30	S37 SF37 SA37 SAF37		4P	2.1	356	615	10	1.55	SAF67R37				2.4	317	543	10	1.60					2.8	276	469	10	1.75				3.1	250	424	10	1.80		3.6	217	365	10	1.95		4P	0.18kW							2.0	355	655	6.6	0.85		4P	0.16		7238	8360	40	0.90	S100R77		4P	2.3		321	574	6.9	0.95				2.6	284	506	7.2	1.10			S57R17	3.0	248	438	7.4	1.25		SF57R17	3.4	221	388	7.5	1.35	SA57R17	3.9	193	336	7.6	1.45	SAF57R17	4P	0.18	6256	7226	40	1.05	SF100R77		4.5	170	294	7.7	1.55		4.9	156		269	7.7	1.60		3.0	231	438	4.8		0.80		0.20	5677	6557	40	1.15	SA100R77	3.4	225	388	4.9	0.85		0.23	4994	5769	40	1.30	SAF100R77	3.9	196	336	5.1	0.95	S47R17	4P	0.28	2639	4606	20	0.95	S87R57	4P		4.5	173	294	5.2	1.10	SF47R17		5.1		115	257	5.4	1.40	SA47R17	5.7		136		229	5.3	1.30	SAF47R17	6.6	119		200	5.3	1.35		7.0	112	187	5.4	1.40		0.34	2218	3872	26	1.15	SF87R57	4P	6.5	108	202	2.9	0.85			0.38	2047	3475	26	1.25	S87R57	7.3	96		179	2.9	0.95	S37R17	4P	0.45	1732	2905		27	1.40	SF87R57		8.3	86	158	2.9	1.05	SF37R17	9.1		78	144	2.9	1.05	SA37R17	11	65		118	2.9	1.15	SAF37R17	12	61	110	2.9	1.15		6.5	93	201.00	5.4	1.55		0.80	1020	1631	28	1.85	SA87R57	4P	7.1	86	184.80	5.4	1.60	S47	4P		0.93	1179	1404	11	1.10	S77R37		8.3		75	158.12	5.5	1.65	SF47	9.6		65		137.05	5.5	1.80	SA47	10	62		128.10	5.5	1.80	SAF47	12	54	110.73	5.5	1.90		1.2	54	110.73	5.5	1.90		1.1	1062	1245	13	1.20	SF77R37	4P							1.2		938	1100	13	1.35	S77R37								1.4	826	954	14	1.50		SF77R37							1.6	730	837	14	1.60	SA77R37							1.8	622	714	15	1.70	SAF77R37							2.1	559	637	15	1.80	SF77R37	4P							2.3		507	574	15	1.90	SA77R37								1.6	694	809	4.9	0.85		S67R37							1.8	615	712	7.7	0.95	SF67R37							2.1	535	615	8.5	1.10	SA67R37							2.4	475	543	8.9	1.20	SAF67R37							2.8	413	469	9.3	1.40								3.1	375	424	9.5	1.50								3.6	325	365	10	1.60								3.0	372	438	6.3	0.85								3.4	332	388	6.7	0.90								3.9	290	336	7.0	1.05	S57R17							4.5	255	294	7.2	1.20	SF57R17							4.9	234	269	7.3	1.30	SA57R17							5.7	201	229	7.5	1.40	SAF57R17							6.4	180	204	7.6	1.50								7.0	166	187	7.6	1.55																																																																																																																																																																																																																																				
1.8	410	712	9.4	1.40	SA67R37	4P	85	11	15.45	2.7	2.30	S37 SF37 SA37 SAF37		4P																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
2.1	356	615	10	1.55	SAF67R37		2.4	317	543	10	1.60					2.8	276	469	10	1.75					3.1	250	424	10	1.80					3.6	217	365	10	1.95				4P	0.18kW							2.0	355	655	6.6	0.85		4P	0.16	7238	8360	40	0.90		S100R77	4P	2.3	321	574	6.9		0.95		2.6	284	506	7.2		1.10		S57R17	3.0	248	438	7.4			1.25	SF57R17	3.4	221	388	7.5			1.35	SA57R17	3.9	193	336	7.6		1.45	SAF57R17	4P	0.18	6256	7226	40	1.05	SF100R77	4.5	170	294	7.7	1.55		4.9	156	269	7.7	1.60			3.0	231	438	4.8	0.80			0.20	5677	6557	40	1.15	SA100R77	3.4	225		388	4.9	0.85		0.23	4994	5769	40	1.30	SAF100R77	3.9	196	336	5.1	0.95	S47R17	4P	0.28	2639	4606	20	0.95	S87R57	4P	4.5	173	294	5.2	1.10	SF47R17	5.1	115	257	5.4	1.40		SA47R17	5.7	136	229	5.3	1.30			SAF47R17	6.6	119	200	5.3	1.35				7.0	112	187	5.4	1.40			0.34	2218	3872	26	1.15	SF87R57	4P	6.5	108	202	2.9	0.85		0.38	2047	3475	26	1.25	S87R57	7.3	96	179	2.9	0.95	S37R17		4P	0.45	1732	2905	27	1.40		SF87R57	8.3	86	158	2.9	1.05	SF37R17	9.1		78	144	2.9	1.05		SA37R17	11	65	118	2.9	1.15	SAF37R17		12	61	110	2.9	1.15		6.5		93	201.00	5.4	1.55		0.80	1020	1631	28	1.85	SA87R57	4P	7.1	86	184.80	5.4	1.60	S47	4P	0.93	1179	1404	11	1.10	S77R37	8.3	75	158.12	5.5	1.65		SF47	9.6	65	137.05	5.5	1.80			SA47	10	62	128.10	5.5	1.80		SAF47		12	54	110.73	5.5	1.90			1.2	54	110.73	5.5	1.90		1.1	1062	1245	13	1.20	SF77R37	4P							1.2	938	1100	13	1.35	S77R37								1.4	826	954	14	1.50	SF77R37								1.6	730	837		14	1.60	SA77R37							1.8	622	714	15	1.70	SAF77R37							2.1	559	637	15	1.80	SF77R37	4P							2.3	507	574	15	1.90	SA77R37								1.6	694	809	4.9	0.85	S67R37								1.8	615	712		7.7	0.95	SF67R37							2.1	535	615	8.5	1.10	SA67R37							2.4	475	543	8.9	1.20	SAF67R37							2.8	413	469	9.3	1.40								3.1	375	424	9.5	1.50								3.6	325	365	10	1.60								3.0	372	438	6.3	0.85								3.4	332	388	6.7	0.90								3.9	290	336	7.0	1.05	S57R17							4.5	255	294	7.2	1.20	SF57R17							4.9	234	269	7.3	1.30	SA57R17							5.7	201	229	7.5	1.40	SAF57R17							6.4	180	204	7.6	1.50								7.0	166	187	7.6	1.55																																																																																																																																																																																																																																																							
2.4	317	543	10	1.60			2.8	276	469	10	1.75					3.1	250	424	10	1.80					3.6	217	365	10	1.95				4P	0.18kW							2.0		355	655	6.6	0.85		4P	0.16	7238	8360	40	0.90	S100R77	4P		2.3	321	574	6.9	0.95				2.6	284	506	7.2		1.10	S57R17	3.0	248	438	7.4		1.25	SF57R17	3.4	221	388	7.5	1.35			SA57R17	3.9	193	336	7.6	1.45		SAF57R17	4P	0.18	6256	7226	40	1.05	SF100R77	4.5	170		294	7.7	1.55		4.9	156	269	7.7	1.60		3.0	231	438	4.8	0.80		0.20	5677		6557	40	1.15	SA100R77	3.4	225		388	4.9	0.85		0.23	4994	5769	40	1.30	SAF100R77	3.9	196	336	5.1	0.95	S47R17	4P	0.28	2639	4606	20	0.95	S87R57	4P	4.5		173	294	5.2	1.10	SF47R17	5.1		115	257	5.4	1.40	SA47R17	5.7	136	229	5.3	1.30	SAF47R17		6.6	119	200	5.3	1.35				7.0	112	187	5.4	1.40			0.34	2218	3872	26	1.15	SF87R57	4P	6.5	108	202	2.9	0.85		0.38	2047		3475	26	1.25	S87R57	7.3	96	179	2.9	0.95	S37R17	4P	0.45	1732	2905	27	1.40	SF87R57	8.3			86	158	2.9	1.05	SF37R17		9.1	78	144	2.9	1.05	SA37R17	11	65	118	2.9	1.15	SAF37R17	12		61	110	2.9	1.15		6.5	93		201.00	5.4	1.55		0.80	1020	1631	28	1.85	SA87R57	4P	7.1	86	184.80	5.4	1.60	S47	4P	0.93		1179	1404	11	1.10	S77R37	8.3		75	158.12	5.5	1.65	SF47	9.6	65	137.05	5.5	1.80	SA47		10	62	128.10	5.5	1.80	SAF47			12	54	110.73	5.5	1.90			1.2	54	110.73	5.5	1.90		1.1	1062	1245	13	1.20	SF77R37	4P							1.2	938		1100	13	1.35	S77R37							1.4	826	954	14	1.50	SF77R37								1.6	730	837		14	1.60	SA77R37							1.8	622	714	15	1.70	SAF77R37							2.1	559	637	15	1.80	SF77R37	4P							2.3	507		574	15	1.90	SA77R37							1.6	694	809	4.9	0.85	S67R37								1.8	615	712		7.7	0.95	SF67R37							2.1	535	615	8.5	1.10	SA67R37							2.4	475	543	8.9	1.20	SAF67R37							2.8	413	469	9.3	1.40								3.1	375	424	9.5	1.50								3.6	325	365	10	1.60								3.0	372	438	6.3	0.85								3.4	332	388	6.7	0.90								3.9	290	336	7.0	1.05	S57R17							4.5	255	294	7.2	1.20	SF57R17							4.9	234	269	7.3	1.30	SA57R17							5.7	201	229	7.5	1.40	SAF57R17							6.4	180	204	7.6	1.50								7.0	166	187	7.6	1.55																																																																																																																																																																																																																																																																
2.8	276	469	10	1.75			3.1	250	424	10	1.80					3.6	217	365	10	1.95				4P	0.18kW							2.0		355	655	6.6	0.85		4P	0.16	7238		8360	40	0.90	S100R77	4P		2.3	321	574	6.9	0.95				2.6	284	506	7.2	1.10		S57R17		3.0	248	438	7.4	1.25	SF57R17	3.4	221	388	7.5	1.35		SA57R17	3.9	193	336	7.6	1.45	SAF57R17	4P		0.18	6256	7226	40	1.05	SF100R77	4.5	170		294	7.7	1.55		4.9	156	269	7.7		1.60		3.0	231	438	4.8	0.80		0.20	5677	6557	40	1.15	SA100R77	3.4	225	388	4.9		0.85		0.23	4994	5769	40	1.30	SAF100R77	3.9	196	336	5.1	0.95	S47R17	4P	0.28	2639	4606	20	0.95	S87R57	4P	4.5		173	294	5.2	1.10	SF47R17	5.1		115		257	5.4	1.40	SA47R17	5.7	136		229	5.3	1.30	SAF47R17	6.6	119	200	5.3	1.35		7.0		112	187	5.4	1.40		0.34		2218	3872	26	1.15	SF87R57	4P	6.5	108	202	2.9	0.85		0.38	2047		3475	26	1.25	S87R57	7.3	96	179	2.9		0.95	S37R17	4P	0.45	1732	2905	27	1.40	SF87R57	8.3		86	158	2.9	1.05	SF37R17	9.1	78			144	2.9	1.05	SA37R17	11	65	118	2.9	1.15	SAF37R17	12	61	110	2.9	1.15		6.5	93	201.00		5.4	1.55		0.80	1020	1631	28	1.85	SA87R57	4P	7.1	86	184.80	5.4	1.60	S47	4P	0.93		1179	1404	11	1.10	S77R37	8.3		75		158.12	5.5	1.65	SF47	9.6	65		137.05	5.5	1.80	SA47	10	62	128.10	5.5	1.80	SAF47	12		54	110.73	5.5	1.90		1.2		54	110.73	5.5	1.90		1.1	1062	1245	13	1.20	SF77R37	4P							1.2	938		1100	13	1.35	S77R37								1.4	826	954	14	1.50	SF77R37							1.6	730	837	14		1.60	SA77R37							1.8	622	714	15	1.70	SAF77R37							2.1	559	637	15	1.80	SF77R37	4P							2.3	507		574	15	1.90	SA77R37								1.6	694	809	4.9	0.85	S67R37							1.8	615	712	7.7		0.95	SF67R37							2.1	535	615	8.5	1.10	SA67R37							2.4	475	543	8.9	1.20	SAF67R37							2.8	413	469	9.3	1.40								3.1	375	424	9.5	1.50								3.6	325	365	10	1.60								3.0	372	438	6.3	0.85								3.4	332	388	6.7	0.90								3.9	290	336	7.0	1.05	S57R17							4.5	255	294	7.2	1.20	SF57R17							4.9	234	269	7.3	1.30	SA57R17							5.7	201	229	7.5	1.40	SAF57R17							6.4	180	204	7.6	1.50								7.0	166	187	7.6	1.55																																																																																																																																																																																																																																																																									
3.1	250	424	10	1.80			3.6	217	365	10	1.95				4P	0.18kW							2.0		355	655	6.6	0.85		4P	0.16	7238		8360	40	0.90	S100R77	4P		2.3	321		574	6.9	0.95				2.6	284	506	7.2	1.10	S57R17			3.0	248	438	7.4	1.25	SF57R17	3.4		221	388	7.5	1.35	SA57R17	3.9	193	336	7.6	1.45	SAF57R17	4P	0.18	6256	7226	40	1.05	SF100R77	4.5		170	294	7.7	1.55		4.9	156	269	7.7		1.60		3.0	231	438	4.8	0.80			0.20	5677	6557	40	1.15	SA100R77	3.4	225	388	4.9	0.85		0.23	4994	5769	40	1.30	SAF100R77	3.9	196	336	5.1	0.95	S47R17	4P	0.28	2639	4606	20	0.95	S87R57	4P	4.5		173	294	5.2	1.10	SF47R17	5.1		115		257	5.4	1.40	SA47R17	5.7	136		229		5.3	1.30	SAF47R17	6.6	119	200		5.3	1.35		7.0	112	187	5.4	1.40		0.34	2218	3872	26	1.15	SF87R57	4P	6.5	108	202	2.9	0.85		0.38	2047		3475	26	1.25	S87R57	7.3	96	179	2.9		0.95	S37R17	4P	0.45	1732	2905	27	1.40		SF87R57	8.3		86	158	2.9	1.05	SF37R17	9.1	78		144	2.9	1.05	SA37R17	11	65	118	2.9		1.15	SAF37R17	12	61	110	2.9	1.15		6.5	93	201.00	5.4	1.55		0.80	1020	1631	28	1.85	SA87R57	4P	7.1	86	184.80	5.4	1.60	S47	4P	0.93		1179	1404	11	1.10	S77R37	8.3		75		158.12	5.5	1.65	SF47	9.6	65		137.05		5.5	1.80	SA47	10	62	128.10		5.5	1.80	SAF47	12	54	110.73	5.5	1.90		1.2	54	110.73	5.5	1.90		1.1	1062	1245	13	1.20	SF77R37	4P							1.2	938		1100	13	1.35	S77R37								1.4	826	954	14	1.50	SF77R37								1.6	730	837	14	1.60	SA77R37							1.8	622	714	15	1.70	SAF77R37							2.1	559	637	15	1.80	SF77R37	4P							2.3	507		574	15	1.90	SA77R37								1.6	694	809	4.9	0.85	S67R37								1.8	615	712	7.7	0.95	SF67R37							2.1	535	615	8.5	1.10	SA67R37							2.4	475	543	8.9	1.20	SAF67R37							2.8	413	469	9.3	1.40								3.1	375	424	9.5	1.50								3.6	325	365	10	1.60								3.0	372	438	6.3	0.85								3.4	332	388	6.7	0.90								3.9	290	336	7.0	1.05	S57R17							4.5	255	294	7.2	1.20	SF57R17							4.9	234	269	7.3	1.30	SA57R17							5.7	201	229	7.5	1.40	SAF57R17							6.4	180	204	7.6	1.50								7.0	166	187	7.6	1.55																																																																																																																																																																																																																																																																																		
3.6	217	365	10	1.95		4P	0.18kW																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
2.0	355	655	6.6	0.85			4P	0.16	7238	8360	40	0.90	S100R77	4P																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
2.3	321	574	6.9	0.95				2.6	284	506	7.2	1.10	S57R17			3.0	248	438	7.4	1.25	SF57R17	3.4	221		388	7.5	1.35	SA57R17	3.9		193	336	7.6	1.45	SAF57R17	4P	0.18			6256	7226	40	1.05	SF100R77	4.5	170		294	7.7	1.55		4.9	156	269	7.7	1.60		3.0	231	438	4.8	0.80		0.20	5677	6557	40	1.15	SA100R77	3.4	225	388	4.9	0.85			0.23	4994	5769	40	1.30	SAF100R77	3.9		196	336	5.1	0.95	S47R17	4P	0.28	2639	4606	20	0.95	S87R57	4P	4.5	173	294	5.2	1.10	SF47R17	5.1	115	257	5.4	1.40	SA47R17	5.7	136	229	5.3	1.30	SAF47R17	6.6	119	200	5.3	1.35		7.0	112	187	5.4	1.40			0.34	2218	3872	26	1.15	SF87R57		4P		6.5	108	202	2.9	0.85			0.38	2047	3475	26	1.25	S87R57	7.3	96	179	2.9	0.95	S37R17	4P	0.45	1732	2905	27	1.40	SF87R57	8.3	86	158	2.9	1.05	SF37R17	9.1	78	144	2.9	1.05	SA37R17	11	65		118	2.9	1.15	SAF37R17	12	61	110	2.9		1.15		6.5	93	201.00	5.4	1.55		0.80	1020	1631		28	1.85	SA87R57	4P	7.1	86	184.80	5.4		1.60	S47	4P	0.93	1179	1404	11	1.10	S77R37	8.3	75	158.12	5.5	1.65	SF47	9.6	65	137.05	5.5	1.80	SA47	10	62	128.10	5.5	1.80	SAF47	12	54	110.73	5.5	1.90		1.2	54	110.73	5.5		1.90		1.1	1062	1245	13		1.20		SF77R37	4P								1.2	938	1100	13	1.35	S77R37							1.4	826	954	14	1.50	SF77R37							1.6	730	837	14	1.60	SA77R37							1.8		622	714	15	1.70	SAF77R37								2.1	559	637	15	1.80	SF77R37	4P							2.3	507	574	15	1.90	SA77R37							1.6	694	809	4.9	0.85	S67R37							1.8	615	712	7.7	0.95	SF67R37							2.1	535		615	8.5	1.10	SA67R37								2.4	475	543	8.9	1.20	SAF67R37							2.8	413	469	9.3	1.40								3.1	375	424	9.5	1.50								3.6	325	365	10	1.60								3.0	372	438	6.3	0.85								3.4	332	388	6.7	0.90								3.9	290	336	7.0	1.05	S57R17							4.5	255	294	7.2	1.20	SF57R17							4.9	234	269	7.3	1.30	SA57R17							5.7	201	229	7.5	1.40	SAF57R17							6.4	180	204	7.6	1.50								7.0	166	187	7.6	1.55																																																																																																																																																																																																																																																																																																																																
2.6	284	506	7.2	1.10	S57R17			3.0	248	438	7.4	1.25	SF57R17			3.4	221	388	7.5	1.35	SA57R17	3.9	193	336	7.6	1.45	SAF57R17	4P	0.18		6256	7226	40	1.05	SF100R77		4.5		170	294	7.7	1.55		4.9	156	269	7.7	1.60		3.0	231	438	4.8	0.80		0.20	5677	6557	40	1.15	SA100R77	3.4	225	388	4.9	0.85		0.23	4994	5769	40	1.30	SAF100R77	3.9	196		336	5.1	0.95	S47R17	4P	0.28	2639	4606	20	0.95	S87R57	4P	4.5		173	294	5.2	1.10	SF47R17	5.1		115	257	5.4	1.40	SA47R17	5.7	136	229	5.3	1.30	SAF47R17	6.6	119	200	5.3	1.35		7.0	112	187	5.4	1.40		0.34	2218	3872	26	1.15	SF87R57	4P		6.5	108	202	2.9	0.85				0.38	2047	3475	26	1.25	S87R57	7.3	96	179	2.9	0.95	S37R17	4P	0.45	1732	2905	27	1.40	SF87R57	8.3		86	158	2.9	1.05	SF37R17	9.1	78	144	2.9	1.05	SA37R17	11	65	118	2.9	1.15	SAF37R17	12	61	110		2.9	1.15		6.5	93	201.00	5.4	1.55		0.80	1020	1631	28	1.85	SA87R57	4P	7.1	86	184.80	5.4		1.60	S47	4P		0.93	1179	1404	11	1.10	S77R37	8.3		75	158.12	5.5	1.65	SF47	9.6	65	137.05	5.5	1.80	SA47	10	62	128.10	5.5	1.80	SAF47	12	54	110.73	5.5	1.90		1.2	54	110.73	5.5	1.90		1.1	1062	1245	13	1.20		SF77R37	4P								1.2		938	1100	13	1.35	S77R37							1.4	826	954	14	1.50	SF77R37							1.6	730	837	14	1.60	SA77R37							1.8	622	714	15	1.70	SAF77R37								2.1	559	637	15	1.80	SF77R37	4P							2.3	507		574	15	1.90	SA77R37							1.6	694	809	4.9	0.85	S67R37							1.8	615	712	7.7	0.95	SF67R37							2.1	535	615	8.5	1.10	SA67R37								2.4	475	543	8.9	1.20	SAF67R37							2.8	413	469	9.3	1.40								3.1	375	424	9.5	1.50								3.6	325	365	10	1.60								3.0	372	438	6.3	0.85								3.4	332	388	6.7	0.90								3.9	290	336	7.0	1.05	S57R17							4.5	255	294	7.2	1.20	SF57R17							4.9	234	269	7.3	1.30	SA57R17							5.7	201	229	7.5	1.40	SAF57R17							6.4	180	204	7.6	1.50								7.0	166	187	7.6	1.55																																																																																																																																																																																																																																																																																																																																									
3.0	248	438	7.4	1.25	SF57R17			3.4	221	388	7.5	1.35	SA57R17		3.9	193	336	7.6	1.45	SAF57R17	4P	0.18	6256	7226	40	1.05	SF100R77		4.5	170	294	7.7	1.55		4.9		156	269	7.7	1.60		3.0	231	438	4.8	0.80		0.20	5677	6557	40	1.15	SA100R77	3.4	225	388	4.9	0.85		0.23	4994	5769	40	1.30	SAF100R77	3.9	196	336	5.1	0.95	S47R17	4P	0.28	2639	4606	20	0.95	S87R57	4P	4.5		173	294	5.2	1.10	SF47R17	5.1		115		257	5.4	1.40	SA47R17	5.7	136		229	5.3	1.30	SAF47R17	6.6	119	200	5.3	1.35		7.0	112	187	5.4	1.40		0.34	2218	3872	26	1.15	SF87R57	4P	6.5	108	202	2.9	0.85			0.38	2047	3475	26	1.25	S87R57	7.3	96		179	2.9	0.95	S37R17	4P	0.45	1732	2905	27	1.40	SF87R57	8.3		86	158	2.9	1.05	SF37R17	9.1	78		144	2.9	1.05	SA37R17	11	65	118	2.9	1.15	SAF37R17	12	61	110	2.9	1.15		6.5	93	201.00	5.4	1.55		0.80	1020	1631	28	1.85	SA87R57	4P	7.1	86	184.80	5.4	1.60	S47	4P		0.93	1179	1404	11	1.10	S77R37	8.3			75	158.12	5.5	1.65	SF47	9.6	65		137.05	5.5	1.80	SA47	10	62	128.10	5.5	1.80	SAF47	12	54	110.73	5.5	1.90		1.2	54	110.73	5.5	1.90		1.1	1062	1245	13	1.20	SF77R37	4P							1.2		938	1100	13	1.35	S77R37								1.4	826	954	14	1.50	SF77R37							1.6	730	837	14	1.60	SA77R37							1.8	622	714	15	1.70	SAF77R37							2.1	559	637	15	1.80	SF77R37	4P							2.3	507		574	15	1.90	SA77R37								1.6	694	809	4.9	0.85	S67R37							1.8	615	712	7.7	0.95	SF67R37							2.1	535	615	8.5	1.10	SA67R37							2.4	475	543	8.9	1.20	SAF67R37							2.8	413	469	9.3	1.40								3.1	375	424	9.5	1.50								3.6	325	365	10	1.60								3.0	372	438	6.3	0.85								3.4	332	388	6.7	0.90								3.9	290	336	7.0	1.05	S57R17							4.5	255	294	7.2	1.20	SF57R17							4.9	234	269	7.3	1.30	SA57R17							5.7	201	229	7.5	1.40	SAF57R17							6.4	180	204	7.6	1.50								7.0	166	187	7.6	1.55																																																																																																																																																																																																																																																																																																																																																		
3.4	221	388	7.5	1.35	SA57R17	3.9		193	336	7.6	1.45	SAF57R17	4P		0.18	6256	7226	40	1.05	SF100R77		4.5	170	294	7.7	1.55			4.9	156	269	7.7	1.60		3.0		231	438	4.8	0.80		0.20	5677	6557	40	1.15	SA100R77	3.4	225	388	4.9	0.85		0.23	4994	5769	40	1.30	SAF100R77	3.9	196	336	5.1	0.95	S47R17	4P	0.28	2639	4606	20	0.95		S87R57	4P	4.5	173	294	5.2		1.10		SF47R17	5.1	115	257	5.4	1.40		SA47R17		5.7	136	229	5.3	1.30	SAF47R17		6.6	119	200	5.3	1.35		7.0	112	187	5.4	1.40		0.34	2218	3872	26	1.15	SF87R57	4P	6.5	108	202		2.9	0.85		0.38	2047	3475		26	1.25	S87R57	7.3	96	179	2.9	0.95		S37R17	4P	0.45	1732		2905	27	1.40	SF87R57	8.3	86	158		2.9	1.05	SF37R17	9.1	78	144	2.9		1.05	SA37R17	11	65	118	2.9	1.15	SAF37R17	12	61	110	2.9	1.15		6.5	93	201.00	5.4	1.55		0.80	1020	1631	28	1.85	SA87R57	4P	7.1		86	184.80	5.4	1.60	S47	4P			0.93	1179	1404	11	1.10	S77R37	8.3			75	158.12	5.5	1.65	SF47	9.6	65		137.05	5.5	1.80	SA47	10	62	128.10	5.5	1.80	SAF47	12	54	110.73	5.5	1.90		1.2	54	110.73	5.5	1.90		1.1	1062	1245	13	1.20	SF77R37		4P								1.2	938	1100	13	1.35	S77R37								1.4	826	954	14	1.50	SF77R37							1.6	730	837	14	1.60	SA77R37							1.8	622	714	15	1.70	SAF77R37							2.1	559	637	15	1.80		SF77R37	4P								2.3	507	574	15	1.90	SA77R37								1.6	694	809	4.9	0.85	S67R37							1.8	615	712	7.7	0.95	SF67R37							2.1	535	615	8.5	1.10	SA67R37							2.4	475	543	8.9	1.20	SAF67R37							2.8	413	469	9.3	1.40								3.1	375	424	9.5	1.50								3.6	325	365	10	1.60								3.0	372	438	6.3	0.85								3.4	332	388	6.7	0.90								3.9	290	336	7.0	1.05	S57R17							4.5	255	294	7.2	1.20	SF57R17							4.9	234	269	7.3	1.30	SA57R17							5.7	201	229	7.5	1.40	SAF57R17							6.4	180	204	7.6	1.50								7.0	166	187	7.6	1.55																																																																																																																																																																																																																																																																																																																																																
3.9	193	336	7.6	1.45	SAF57R17	4P	0.18	6256	7226	40	1.05	SF100R77																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
4.5	170	294	7.7	1.55			4.9	156	269	7.7	1.60			3.0	231	438	4.8	0.80		0.20		5677	6557	40	1.15	SA100R77	3.4		225	388	4.9	0.85		0.23	4994	5769	40	1.30	SAF100R77	3.9	196	336	5.1	0.95	S47R17	4P	0.28	2639	4606	20	0.95	S87R57	4P	4.5	173	294	5.2	1.10	SF47R17	5.1	115	257	5.4	1.40	SA47R17		5.7	136	229	5.3	1.30		SAF47R17		6.6	119	200	5.3		1.35			7.0	112	187	5.4	1.40			0.34	2218	3872	26	1.15	SF87R57	4P	6.5	108	202	2.9	0.85		0.38	2047	3475	26	1.25	S87R57	7.3	96	179	2.9	0.95	S37R17	4P		0.45	1732	2905		27	1.40	SF87R57	8.3	86	158		2.9	1.05	SF37R17	9.1	78	144	2.9	1.05	SA37R17	11		65	118		2.9	1.15	SAF37R17	12	61	110	2.9		1.15		6.5	93	201.00	5.4	1.55		0.80	1020	1631	28	1.85	SA87R57	4P	7.1	86	184.80	5.4	1.60	S47	4P	0.93	1179	1404	11	1.10	S77R37	8.3	75	158.12	5.5	1.65	SF47		9.6		65	137.05	5.5	1.80	SA47				10	62	128.10	5.5	1.80	SAF47	12		54	110.73	5.5	1.90		1.2	54	110.73	5.5	1.90		1.1	1062	1245	13	1.20	SF77R37	4P							1.2	938	1100	13	1.35	S77R37							1.4			826	954	14	1.50	SF77R37								1.6	730	837	14	1.60	SA77R37							1.8	622	714	15	1.70	SAF77R37							2.1	559	637	15	1.80	SF77R37	4P							2.3	507	574	15	1.90	SA77R37								1.6		694	809	4.9	0.85	S67R37								1.8	615	712	7.7	0.95	SF67R37							2.1	535	615	8.5	1.10	SA67R37							2.4	475	543	8.9	1.20	SAF67R37							2.8	413	469	9.3	1.40								3.1	375	424	9.5	1.50								3.6	325	365	10	1.60								3.0	372	438	6.3	0.85								3.4	332	388	6.7	0.90								3.9	290	336	7.0	1.05	S57R17							4.5	255	294	7.2	1.20	SF57R17							4.9	234	269	7.3	1.30	SA57R17							5.7	201	229	7.5	1.40	SAF57R17							6.4	180	204	7.6	1.50								7.0	166	187	7.6	1.55																																																																																																																																																																																																																																																																																																																																																																				
4.9	156	269	7.7	1.60			3.0	231	438	4.8	0.80			0.20	5677	6557	40	1.15	SA100R77	3.4		225	388	4.9	0.85		0.23	4994	5769	40	1.30	SAF100R77	3.9	196	336	5.1	0.95	S47R17	4P	0.28	2639	4606	20	0.95	S87R57		4P	4.5	173	294	5.2	1.10		SF47R17	5.1	115	257	5.4	1.40	SA47R17	5.7	136	229	5.3	1.30		SAF47R17	6.6	119	200	5.3		1.35			7.0	112	187		5.4	1.40		0.34	2218	3872	26	1.15	SF87R57	4P	6.5	108	202	2.9	0.85			0.38	2047	3475	26	1.25	S87R57	7.3	96	179	2.9	0.95	S37R17	4P	0.45	1732	2905	27	1.40			SF87R57	8.3	86		158	2.9	1.05	SF37R17	9.1	78	144	2.9	1.05	SA37R17	11	65	118	2.9	1.15	SAF37R17	12		61	110		2.9	1.15		6.5	93	201.00	5.4	1.55		0.80	1020	1631	28	1.85	SA87R57	4P	7.1	86	184.80	5.4	1.60	S47		4P	0.93	1179	1404	11	1.10		S77R37	8.3	75	158.12	5.5	1.65	SF47	9.6	65	137.05	5.5	1.80		SA47		10	62	128.10	5.5	1.80			SAF47	12	54	110.73	5.5	1.90		1.2	54	110.73	5.5	1.90		1.1	1062	1245	13	1.20	SF77R37	4P								1.2	938	1100	13	1.35	S77R37							1.4	826	954	14	1.50	SF77R37									1.6	730	837	14	1.60	SA77R37							1.8	622	714	15	1.70	SAF77R37							2.1	559	637	15	1.80	SF77R37	4P								2.3	507	574	15	1.90	SA77R37							1.6	694	809	4.9	0.85	S67R37									1.8	615	712	7.7	0.95	SF67R37							2.1	535	615	8.5	1.10	SA67R37							2.4	475	543	8.9	1.20	SAF67R37							2.8	413	469	9.3	1.40								3.1	375	424	9.5	1.50								3.6	325	365	10	1.60								3.0	372	438	6.3	0.85								3.4	332	388	6.7	0.90								3.9	290	336	7.0	1.05	S57R17							4.5	255	294	7.2	1.20	SF57R17							4.9	234	269	7.3	1.30	SA57R17							5.7	201	229	7.5	1.40	SAF57R17							6.4	180	204	7.6	1.50								7.0	166	187	7.6	1.55																																																																																																																																																																																																																																																																																																																																																																											
3.0	231	438	4.8	0.80			0.20	5677	6557	40	1.15	SA100R77																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
3.4	225	388	4.9	0.85			0.23	4994	5769	40	1.30	SAF100R77	3.9	196	336	5.1	0.95	S47R17	4P	0.28	2639	4606	20	0.95	S87R57	4P	4.5	173	294	5.2	1.10	SF47R17	5.1	115	257	5.4	1.40	SA47R17		5.7	136	229	5.3	1.30	SAF47R17			6.6	119	200	5.3	1.35			7.0	112	187	5.4	1.40		0.34	2218	3872	26	1.15	SF87R57	4P	6.5	108	202	2.9	0.85		0.38	2047	3475	26	1.25	S87R57	7.3	96	179	2.9	0.95	S37R17	4P	0.45	1732		2905	27	1.40	SF87R57	8.3	86		158	2.9	1.05	SF37R17	9.1	78	144	2.9	1.05	SA37R17	11	65		118	2.9	1.15	SAF37R17	12		61	110	2.9	1.15		6.5	93	201.00	5.4	1.55		0.80	1020	1631	28	1.85	SA87R57	4P	7.1	86	184.80	5.4	1.60	S47	4P	0.93	1179	1404	11	1.10	S77R37	8.3	75	158.12	5.5	1.65	SF47	9.6	65	137.05	5.5		1.80	SA47	10	62	128.10	5.5			1.80	SAF47	12	54	110.73		5.5	1.90		1.2	54	110.73	5.5	1.90		1.1	1062	1245	13	1.20	SF77R37	4P							1.2	938	1100	13	1.35	S77R37							1.4	826	954	14	1.50	SF77R37								1.6		730	837	14	1.60	SA77R37							1.8	622	714	15	1.70	SAF77R37							2.1	559	637	15	1.80	SF77R37	4P							2.3	507	574	15	1.90	SA77R37							1.6	694	809	4.9	0.85	S67R37								1.8	615		712	7.7	0.95	SF67R37							2.1	535	615	8.5	1.10	SA67R37							2.4	475	543	8.9	1.20	SAF67R37							2.8	413	469	9.3	1.40								3.1	375	424	9.5	1.50								3.6	325	365	10	1.60								3.0	372	438	6.3	0.85								3.4	332	388	6.7	0.90								3.9	290	336	7.0	1.05	S57R17							4.5	255	294	7.2	1.20	SF57R17							4.9	234	269	7.3	1.30	SA57R17							5.7	201	229	7.5	1.40	SAF57R17							6.4	180	204	7.6	1.50								7.0	166	187	7.6	1.55																																																																																																																																																																																																																																																																																																																																																																																																							
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4.5	173	294	5.2	1.10	SF47R17		5.1	115	257	5.4	1.40	SA47R17		5.7	136	229	5.3	1.30		SAF47R17	6.6	119	200	5.3	1.35			7.0	112	187	5.4	1.40		0.34	2218	3872	26	1.15		SF87R57	4P	6.5	108	202	2.9	0.85			0.38	2047	3475	26	1.25	S87R57	7.3	96	179	2.9	0.95	S37R17	4P	0.45	1732	2905	27	1.40		SF87R57	8.3	86	158	2.9	1.05	SF37R17	9.1	78	144	2.9	1.05	SA37R17	11	65	118	2.9	1.15		SAF37R17	12		61	110	2.9	1.15		6.5	93	201.00	5.4	1.55		0.80	1020	1631	28	1.85	SA87R57	4P	7.1		86	184.80	5.4	1.60	S47	4P	0.93	1179	1404	11	1.10	S77R37	8.3	75	158.12	5.5	1.65	SF47	9.6	65	137.05	5.5	1.80		SA47	10	62	128.10	5.5	1.80		SAF47	12	54	110.73	5.5	1.90		1.2	54	110.73	5.5	1.90		1.1	1062	1245		13	1.20	SF77R37	4P								1.2	938	1100	13	1.35	S77R37							1.4	826	954	14	1.50	SF77R37								1.6	730	837	14	1.60	SA77R37							1.8	622	714	15	1.70	SAF77R37								2.1	559	637	15	1.80	SF77R37	4P							2.3	507	574	15	1.90	SA77R37							1.6	694	809	4.9	0.85	S67R37								1.8	615	712	7.7	0.95	SF67R37							2.1	535	615	8.5	1.10	SA67R37								2.4	475	543	8.9	1.20	SAF67R37							2.8	413	469	9.3	1.40								3.1	375	424	9.5	1.50								3.6	325	365	10	1.60								3.0	372	438	6.3	0.85								3.4	332	388	6.7	0.90								3.9	290	336	7.0	1.05	S57R17							4.5	255	294	7.2	1.20	SF57R17							4.9	234	269	7.3	1.30	SA57R17							5.7	201	229	7.5	1.40	SAF57R17							6.4	180	204	7.6	1.50								7.0	166	187	7.6	1.55																																																																																																																																																																																																																																																																																																																																																																																																																																
5.1	115	257	5.4	1.40	SA47R17		5.7	136	229	5.3	1.30	SAF47R17		6.6	119	200	5.3	1.35			7.0	112	187	5.4	1.40			0.34	2218	3872	26	1.15	SF87R57	4P	6.5	108	202	2.9	0.85			0.38	2047	3475	26	1.25	S87R57	7.3	96	179	2.9	0.95	S37R17	4P	0.45	1732	2905	27	1.40	SF87R57		8.3	86	158	2.9	1.05		SF37R17	9.1	78	144	2.9	1.05	SA37R17	11	65	118	2.9	1.15	SAF37R17	12	61	110	2.9	1.15			6.5	93	201.00	5.4	1.55		0.80	1020	1631	28	1.85	SA87R57	4P	7.1	86	184.80	5.4	1.60	S47		4P	0.93	1179	1404	11	1.10	S77R37		8.3	75	158.12	5.5	1.65	SF47	9.6	65	137.05	5.5	1.80	SA47	10	62	128.10	5.5	1.80		SAF47	12	54	110.73	5.5	1.90			1.2	54	110.73	5.5	1.90		1.1	1062	1245	13	1.20	SF77R37	4P								1.2	938	1100	13	1.35	S77R37							1.4	826	954	14	1.50	SF77R37							1.6		730	837	14	1.60	SA77R37							1.8	622	714	15	1.70	SAF77R37							2.1	559	637	15	1.80	SF77R37	4P							2.3		507	574	15	1.90	SA77R37							1.6	694	809	4.9	0.85	S67R37							1.8		615	712	7.7	0.95	SF67R37							2.1	535	615	8.5	1.10	SA67R37							2.4	475	543	8.9	1.20	SAF67R37							2.8	413	469	9.3	1.40								3.1	375	424	9.5	1.50								3.6	325	365	10	1.60								3.0	372	438	6.3	0.85								3.4	332	388	6.7	0.90								3.9	290	336	7.0	1.05	S57R17							4.5	255	294	7.2	1.20	SF57R17							4.9	234	269	7.3	1.30	SA57R17							5.7	201	229	7.5	1.40	SAF57R17							6.4	180	204	7.6	1.50								7.0	166	187	7.6	1.55																																																																																																																																																																																																																																																																																																																																																																																																																																								
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7.3	96	179	2.9	0.95	S37R17	4P	0.45	1732	2905	27	1.40		SF87R57																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
8.3	86	158	2.9	1.05	SF37R17		9.1	78	144	2.9	1.05		SA37R17	11	65	118	2.9	1.15	SAF37R17		12	61	110	2.9	1.15		6.5	93	201.00	5.4	1.55		0.80	1020	1631	28	1.85	SA87R57	4P	7.1	86		184.80	5.4	1.60	S47	4P	0.93	1179	1404	11	1.10	S77R37	8.3	75	158.12	5.5	1.65	SF47	9.6	65	137.05	5.5	1.80	SA47	10	62	128.10	5.5	1.80	SAF47	12	54	110.73	5.5	1.90		1.2	54	110.73	5.5	1.90		1.1	1062	1245	13		1.20	SF77R37	4P								1.2	938	1100	13	1.35	S77R37							1.4	826	954	14	1.50	SF77R37							1.6	730	837	14	1.60	SA77R37							1.8	622	714	15	1.70	SAF77R37								2.1	559	637	15	1.80	SF77R37	4P							2.3	507	574	15	1.90	SA77R37							1.6	694	809	4.9	0.85	S67R37							1.8	615	712	7.7	0.95	SF67R37							2.1	535	615	8.5	1.10	SA67R37								2.4	475	543	8.9	1.20	SAF67R37							2.8	413	469	9.3	1.40								3.1	375	424	9.5	1.50								3.6	325	365	10	1.60								3.0	372	438	6.3	0.85								3.4	332	388	6.7	0.90								3.9	290	336	7.0	1.05	S57R17							4.5	255	294	7.2	1.20	SF57R17							4.9	234	269	7.3	1.30	SA57R17							5.7	201	229	7.5	1.40	SAF57R17							6.4	180	204	7.6	1.50								7.0	166	187	7.6	1.55																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
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						4.9	234	269	7.3	1.30	SA57R17																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
						5.7	201	229	7.5	1.40	SAF57R17																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
						6.4	180	204	7.6	1.50																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
						7.0	166	187	7.6	1.55																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								

**Selection Table
(Constant Power)**

n_a [r/min]	M_a [Nm]	i	F_{ra} [kN]	f_B	Type size	Pole	n_a [r/min]	M_a [Nm]	i	F_{ra} [kN]	f_B	Type size	Pole
0.18kW							0.25kW						
4.5	231	294	4.7	0.80			0.20	7766	6557	40	0.85	S100R77	
5.1	173	257	5.1	1.10			0.23	6832	5769	40	0.95	SF100R77	4P
5.7	204	229	4.9	0.95	S47R17		0.27	5873	4958	40	1.10	SA100R77	
6.6	179	200	5.1	1.05	SF47R17	4P	0.31	5126	4328	40	1.25	SAF100R77	
7.0	168	187	5.1	1.10	SA47R17		0.46	2405	2905	23	0.85		
7.9	149	165	5.2	1.20	SAF47R17		0.51	2141	2586	26	1.00	S87R57	
8.9	134	148	5.3	1.25				0.57	1956	2335	27	1.10	SF87R57
10	120	131	5.3	1.35			0.65	1741	2054	27	1.30	SA87R57	4P
					S67		0.73	1565	1824	27	1.45	SAF87R57	
3.9	247	217.41	10	1.80	SF67	6P	0.82	1417	1631	28	1.60		
4.5	219	190.11	10	1.90	SA67		1.4	848	930	28	2.05		
4.7	208	180.60	10	1.95	SAF67		1.4	1148	954	11	1.00		
4.2	229	201.00	7.3	1.35	S57		1.6	1013	837	13	1.15	S77R37	4P
4.6	210	184.80	7.4	1.40	SF57	1.9	864	714	14	1.35	SF77R37		
5.4	180	158.12	7.5	1.50	SA57	2.1	776	637	14	1.55	SA77R37		
6.2	160	137.05	7.6	1.55	SAF57	2.3	704	574	14	1.60	SAF77R37		
6.5	144	201.00	7.6	1.65	S57	2.7	616	499	15	1.70			
7.1	136	184.80	7.6	1.70	SF57	2.4	660	543	7.0	0.90			
8.3	116	158.12	7.7	1.80	SA57	2.8	574	469	8.1	1.00	S67R37	4P	
9.6	102	137.05	7.8	1.90	SAF57	3.1	521	424	8.5	1.10	SF67R37		
4.2	212	201.00	4.8	0.85	S47	3.6	451	365	8.9	1.30	SA67R37		
4.6	195	184.80	4.9	0.90	SF47	4.2	397	319	9.3	1.40	SAF67R37		
5.4	175	158.12	5.1	1.00	SA47	4.7	354	281	9.5	1.50			
6.2	152	137.05	5.1	1.10	SAF47	4.5	355	294	6.4	0.85			
6.6	146	128.10	5.2	1.20		4.9	326	269	6.6	0.95	S57R17	4P	
6.5	140	201.00	5.2	1.20		5.8	279	229	7.0	1.10	SF57R17		
7.1	128	184.80	5.2	1.30		6.5	250	204	7.2	1.20	SA57R17		
8.3	113	158.12	5.3	1.35		7.1	230	187	7.3	1.30	SAF57R17		
9.6	98	137.05	5.3	1.45	S47	8.1	206	165	7.4	1.40			
10	93	128.10	5.4	1.50	SF47	10	166	131	7.6	1.50			
12	82	110.73	5.4	1.55	SA47	2.9	432	217.41	8.9	1.20	S67	8P	
14	70	94.08	5.5	1.65	SAF47	3.4	390	190.11	9.2	1.35	SF67		
16	64	84.00	5.5	1.75		3.5	370	180.60	9.3	1.45	SA67		
18	55	71.75	5.5	1.85		4.0	329	158.45	9.5	1.55	SAF67		
19	66	69.39	5.5	1.70		3.9	343	217.41	9.4	1.50	S67	6P	
8.3	108	157.43	2.8	0.85		4.5	304	190.11	10	1.60	SF67		
9.1	99	144.40	2.8	0.90		4.7	289	180.60	10	1.65	SA67		
11	87	122.94	2.8	1.00		5.4	257	158.45	10	1.75	SAF67		
12	75	106.00	2.8	1.05		6.1	221	217.41	10	1.85			
13	71	98.80	2.8	1.05		7.0	196	190.11	10	1.95	S67		
15	62	86.36	2.8	1.15		7.4	186	180.60	10	2.00	SF67	4P	
16	59	80.96	2.8	1.15		8.4	166	158.45	10	2.10	SA67		
18	53	71.44	2.8	1.20		10	143	134.40	10	2.20	SAF67		
21	47	63.33	2.8	1.25		11	131	121.33	10	2.30			
23	49	55.93	2.8	1.20		12	117	106.75	10	2.40			
26	46	51.30	2.8	1.25	S37	4.2	318	201.00	6.7	0.95	S57		6P
30	39	43.68	2.8	1.35	SF37	4.6	292	184.80	6.9	1.00	SF57		
35	34	37.66	2.8	1.40	SA37	5.4	250	158.12	7.1	1.20	SA57		
37	32	35.10	2.8	1.45	SAF37	6.2	222	137.05	7.3	1.35	SAF57		
43	28	30.68	2.8	1.50		6.6	208	128.10	7.4	1.35			
46	26	28.76	2.8	1.55		6.6	200	201.00	7.3	1.40			
52	23	25.38	2.8	1.60		7.2	189	184.80	7.4	1.45			
58	21	22.50	2.8	1.70		8.4	161	158.12	7.5	1.55	S57	4P	
68	18	19.13	2.8	1.80		9.7	142	137.05	7.6	1.60	SF57		
69	19	18.85	2.8	1.75		10	134	128.10	7.6	1.65	SA57		
79	17	16.48	2.7	1.80		12	118	110.73	7.7	1.75	SAF57		
85	16	15.45	2.6	1.85		14	102	94.08	7.8	1.85			
96	14	13.63	2.5	1.95		16	92	84.00	7.8	1.95			
108	13	12.08	2.5	2.00		19	80	71.75	7.8	2.00			
128	11	10.27	2.4	2.15									

Selection Table
(Constant Power)

n_a [r/min]	Ma [Nm]	i	F_{ra} [kN]	f_B	Type size	Pole	n_a [r/min]	Ma [Nm]	i	F_{ra} [kN]	f_B	Type size	Pole
0.25kW							0.37kW						
6.6	194	201.00	4.9	0.80			1.9	1279	714	11	1.00		
7.2	178	184.80	4.9	0.85			2.1	1149	637	12	1.15	S77R37	4P
8.4	157	158.12	5.1	1.00			2.3	1042	574	13	1.25	SF77R37	
9.7	136	137.05	5.2	1.10			2.7	912	499	14	1.35	SA77R37	
10	129	128.10	5.2	1.20			3.0	805	438	14	1.50	SAF77R37	
12	113	110.73	5.3	1.35			3.4	715	389	15	1.60		
14	98	94.08	5.3	1.40			3.6	668	365	7.3	0.85	S67R37	
16	89	84.00	5.4	1.45	S47	4P	4.2	588	319	8.1	1.00	SF67R37	
19	77	71.75	5.4	1.55	SF47		4.7	523	281	8.6	1.10	SA67R37	
19	92	69.39	5.4	1.40	SA47		5.4	461	246	9.0	1.25	SAF67R37	
20	73	67.20	5.5	1.60	SAF47								
21	84	63.80	5.4	1.45				2.3	843	288.00	28	2.00	S87
24	73	54.59	5.4	1.55			2.6	766	258.18	28	2.10	SF87	
28	63	47.32	5.5	1.65			3.0	669	222.40	28	2.25	SA87	
30	58	44.22	5.5	1.70			3.0	669	222.40	28	2.25	SAF87	
35	52	38.23	5.5	1.80			2.9	661	225.26	14	1.65	S77	8P
41	44	32.48	5.5	1.90			3.1	628	214.00	15	1.65	SF77	
46	40	29.00	5.5	2.00			3.5	563	189.09	15	1.75	SA77	
							4.1	487	161.60	15	1.90	SAF77	
13	98	98.80	2.8	0.85									
15	86	86.36	2.8	0.90			3.5	570	256.47	15	1.75	S77	6P
16	82	80.96	2.8	0.95			4.0	514	225.26	15	1.85	SF77	
19	73	71.44	2.8	1.00			4.2	489	214.00	15	1.90	SA77	
21	66	63.33	2.8	1.05			4.1	487	217.41	8.4	1.10	SAF77	
24	68	55.93	2.8	1.05			4.1	487	217.41	8.4	1.10	S67	6P
26	63	51.30	2.8	1.05			4.7	432	190.11	8.8	1.25	SF67	
30	54	43.68	2.8	1.15			4.9	416	180.60	8.9	1.35	SA67	
35	47	37.66	2.8	1.20	S37	4P	5.6	370	158.45	9.2	1.45	SAF67	
38	44	35.10	2.8	1.20	SF37		6.1	328	217.41	9.4	1.50		
43	39	30.68	2.8	1.30	SA37		7.0	290	190.11	10	1.60	S67	
46	37	28.76	2.8	1.30	SAF37		7.4	276	180.60	10	1.65	SF67	
52	33	25.38	2.8	1.40			8.4	246	158.45	10	1.70	SA67	
59	29	22.50	2.8	1.45			9.9	211	134.40	10	1.85	SAF67	
70	25	19.13	2.7	1.60			11	194	121.33	10	1.90		
71	27	18.85	2.7	1.50									
81	24	16.48	2.6	1.60			5.6	355	158.12	6.2	0.80		
86	22	15.45	2.6	1.65			6.5	316	137.05	6.6	0.95	S57	
98	20	13.63	2.5	1.70			6.9	296	128.10	6.7	1.00	SF57	
110	17	12.08	2.4	1.80		8.0	263	110.37	7.0	1.10	SA57		
130	15	10.27	2.3	1.85		9.4	226	94.08	7.2	1.30	SAF57		
							11	205	84.00	7.4	1.35		
95	19	28.76	2.6	1.70			6.6	295	201.00	6.7	0.95		
107	17	25.38	2.5	1.75			7.2	279	184.80	6.9	1.05		
121	15	22.50	2.4	1.85			8.4	239	158.12	7.1	1.20		
142	13	19.13	2.3	1.95	S37	2P	9.7	210	137.05	7.3	1.35		
144	14	18.85	2.2	1.90	SF37		10	199	128.10	7.4	1.35	S57	
165	12	16.48	2.2	2.00	SA37		12	175	110.73	7.5	1.45	SF57	
176	11	15.45	2.1	2.05	SAF37		14	150	94.08	7.6	1.50	SA57	
200	10	13.63	2.1	2.15			16	136	84.00	7.7	1.60	SAF57	
225	9	12.08	2.0	2.20			19	118	71.75	7.7	1.70		
							19	135	69.39	7.7	1.60		
							20	112	67.20	7.7	1.70		
							21	124	63.80	7.7	1.65		
							24	104	54.59	7.7	1.80		
0.37kW													
0.31	7586	4328	40	0.85	S100R77	4P	10	202	137.05	4.9	0.80		
0.41	5685	3243	40	1.15	SF100R77		10	191	128.10	4.9	0.85		
0.53	4434	2530	40	1.45	SA100R77		12	168	110.73	5.1	0.95	S47	
0.60	3870	2208	40	1.55	SAF100R77		14	145	94.08	5.2	1.10	SF47	
0.68	3418	1950	40	1.65			16	131	84.00	5.2	1.20	SA47	
0.65	2577	2054	24	1.00		19	114	71.75	5.3	1.30	SAF47		
0.73	2316	1824	26	1.10	S87R57	4P	19	136	69.39	5.2	1.15		
0.82	2097	1631	27	1.20	SF87R57		20	107	67.20	5.3	1.30		
1.4	1255	930	28	1.70	SA87R57								
1.6	1136	831	28	1.75	SAF87R57								

Selection Table
(Constant Power)

n_a [r/min]	M_a [Nm]	i	F_{ra} [kN]	f_B	Type size	Pole	n_a [r/min]	M_a [Nm]	i	F_{ra} [kN]	f_B	Type size	Pole	
0.37kW							0.55kW							
21	125	63.80	5.2	1.20			5.7	686	246	6.3	0.85	S67R37		
24	108	54.59	5.3	1.30			6.3	623	221	7.7	0.95	SF67R37	4P	
28	93	47.32	5.1	1.35			7.0	560	198	8.2	1.05	SA67R37		
30	86	44.22	5.1	1.40			8.3	478	168	8.8	1.20	SAF67R37		
35	77	38.23	4.9	1.45	S47							S87		
41	66	32.48	4.7	1.55	SF47	4P	2.3	1254	288.00	28	1.65	SF87	8P	
46	59	29.00	4.6	1.65	SA47		2.6	1139	258.18	28	1.70	SA87		
54	51	24.77	4.4	1.70	SAF47		3.0	994	222.40	28	1.85	SAF87		
57	48	23.20	4.3	1.75				3.1	975	288.00	28	1.85	S87	6P
68	41	19.54	4.0	1.90				3.4	886	258.18	28	1.95	SF87	
75	38	17.80	3.8	2.00				4.0	773	222.40	28	2.05	SA87	
88	33	15.12	3.8	2.10				4.4	716	202.96	28	2.10	SAF87	
21	97	63.33	2.8	0.85				2.9	983	225.26	13	1.15	S77	8P
26	94	51.30	2.8	0.85			3.1	934	214.00	13	1.20	SF77		
30	80	43.68	2.8	0.95			3.5	848	189.09	13	1.35	SA77		
35	69	37.66	2.8	1.00			4.1	725	161.60	14	1.55	SAF77		
38	65	35.10	2.8	1.00			3.5	847	256.47	13	1.35	S77	6P	
43	58	30.68	2.8	1.05			4.0	765	225.26	14	1.50	SF77		
46	54	28.76	2.8	1.10			4.2	726	214.00	14	1.55	SA77		
52	48	25.38	2.8	1.20	S37	4P	4.7	651	189.09	14	1.60	SAF77		
59	43	22.50	2.7	1.20	SF37		5.5	564	161.60	15	1.70			
70	37	19.13	2.5	1.30	SA37		5.4	570	256.47	15	1.70	S77	4P	
71	40	18.85	2.4	1.25	SAF37		6.2	508	225.26	15	1.80	SF77		
81	35	16.48	2.4	1.30				6.5	482	214.00	15	1.85		SA77
86	33	15.45	2.4	1.35				7.4	432	189.09	15	1.95	SAF77	
98	29	13.63	2.3	1.40				8.6	375	161.60	15	2.05		
110	26	12.08	2.3	1.40				6.4	487	217.41	8.2	1.00	S67	4P
130	22	10.27	2.2	1.50			7.3	432	190.11	8.7	1.10	SF67		
139	21	9.57	2.1	1.55			7.7	410	180.60	8.8	1.15	SA67		
176	17	7.57	2.0	1.70			8.8	365	158.45	9.1	1.30	SAF67		
108	25	25.38	2.4	1.45			10	314	134.40	9.4	1.50			
122	23	22.50	2.3	1.50			11	288	121.33	10	1.55		4P	
143	20	19.13	2.2	1.60			13	257	106.75	10	1.65			
145	20	18.85	2.1	1.55	S37		14	245	100.80	10	1.65			
166	18	16.48	2.1	1.65	SF37	2P	16	212	85.83	10	1.75	S67	4P	
177	17	15.45	2.1	1.65	SA37		19	232	75.06	10	1.70	SF67		
201	15	13.63	2.0	1.75	SAF37		21	204	65.63	10	1.75	SA67		
227	13	12.08	1.9	1.80				22	185	62.35	10	1.85	SAF67	
267	11	10.27	1.8	1.95			25	163	54.70	10	1.95			
286	11	9.57	1.8	2.00			30	140	46.40	10	2.05			
0.55kW							33	127	41.89	10	2.20			
0.55	6307	2530	40	1.05	S100R77	4P	9.5	336	94.08	6.4	0.85		6P	
0.63	5505	2208	40	1.20	SF100R77		11	305	84.00	6.7	0.95			
0.71	4861	1950	40	1.35	SA100R77		12	264	71.75	7.0	1.10	S57		
0.79	4411	1769	40	1.45	SAF100R77		13	247	67.20	7.1	1.15	SF57		
0.91	3791	1521	40	1.55				16	244	54.59	7.1	1.10		SA57
1.0	2545	1332	24	0.90			19	215	47.32	7.3	1.30	SAF57		
1.2	2276	1191	26	1.00			20	201	44.22	7.4	1.35			
1.3	2097	1032	27	1.15	S87R57	4P	23	175	38.23	7.5	1.40			
1.5	1890	930	27	1.25	SF87R57		8.8	355	158.12	6.0	0.80			
1.7	1689	831	27	1.35	SA87R57		10	312	137.05	6.5	0.90			
1.9	1461	719	28	1.55	SAF87R57		11	296	128.10	6.7	0.95			
2.2	1327	624	28	1.60				13	259	110.73	7.0	1.10		
2.5	1186	558	28	1.70			15	224	94.08	7.2	1.25	S57	4P	
3.2	950	435	28	1.90			17	203	84.00	7.3	1.30	SF57		
2.8	1364	499	6.6	0.90			19	176	71.75	7.5	1.40	SA57		
3.2	1197	438	12	1.05	S77R37	4P	21	166	67.20	7.5	1.40	SAF57		
3.6	1063	389	13	1.15	SF77R37		25	159	54.59	7.6	1.45			
4.3	894	327	14	1.35	SA77R37		29	139	47.32	7.6	1.55			
4.8	816	289	14	1.45	SAF77R37		31	131	44.22	7.7	1.55			
5.6	706	250	15	1.55				36	114	38.23	7.7	1.65		

Selection Table
(Constant Power)

n_a [r/min]	M_a [Nm]	i	F_{ra} [kN]	f_B	Type size	Pole	n_a [r/min]	M_a [Nm]	i	F_{ra} [kN]	f_B	Type size	Pole																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
0.55kW							0.75kW																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
43	97	32.48	7.6	1.75	S57	4P	1.3	2860	1032	18	0.90	S87R57 SF87R57 SA87R57 SAF87R57	4P																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
48	88	29.00	7.3	1.85	SF57		56	76	24.77	7.0	1.95			SA57	60	71	23.20	6.9	2.00	SAF57	71	60	19.54	6.4	2.10		17	195	84.00	4.9	0.80	S47 SF47 SA47 SAF47	4P	4.3	1219	327	11	1.05	S77R37	4P	19	169	71.75	5.0	0.95		21	160	67.20	5.1	1.00		25	161	54.59	4.9	0.95		29	138	47.32	4.8	1.10		31	129	44.22	4.7	1.15		36	114	38.32	4.6	1.20		43	98	32.48	4.4	1.30		48	88	29.00	4.3	1.30		56	76	24.77	4.2	1.40		60	71	23.20	4.1	1.45		71	60	19.54	3.7	1.55		78	57	17.80	3.6	1.65		92	49	15.12	3.6	1.75		103	44	13.50	3.4	1.80		121	38	11.53	3.3	1.90		129	35	10.80	3.2	1.95		153	30	9.10	3.1	2.10		173	27	8.04	3.1	2.15		45	86	30.68	2.5	0.80	S37 SF37 SA37 SAF37	4P	4.8	894	288.00	28	1.90	S87	6P	48	80	28.76	2.5	0.85		55	72	25.38	2.5	0.95		62	64	22.50	2.5	1.00		73	55	19.13	2.4	1.05		74	59	18.85	2.4	1.05		84	52	16.48	2.2	1.10		90	49	15.45	2.1	1.10		102	43	13.63	2.1	1.15		115	38	12.08	2.1	1.20		135	33	10.27	2.0	1.30		145	31	9.57	2.0	1.30		184	25	7.57	1.9	1.45		95	42	28.76	2.3	1.15	S37 SF37 SA37 SAF37	2P	5.4	777	256.47	14	1.45	S77	6P	108	38	25.38	2.2	1.20		122	34	22.50	2.2	1.25		143	29	19.13	2.0	1.30		145	30	18.85	2.0	1.30		166	26	16.48	1.9	1.35		177	25	15.45	1.9	1.35		201	22	13.63	1.9	1.45		227	20	12.08	1.7	1.50		267	17	10.27	1.7	1.60		286	16	9.57	1.6	1.60		362	13	7.57	1.6	1.75		0.75kW							0.75kW							0.63	7506	2208	40	0.85	S100R77 SF100R77 SA100R77 SAF100R77	4P	7.3	660	190.11	7.2	0.80	S67	6P	0.71	6628	1950	40	1.00		0.79	6015	1769	40	1.05		0.91	5170	1521	40	1.25		1.05	4513	1327	40	1.45		1.23	3827	1126	40	1.55		1.1	4323	1223	20	0.85	S97R57 SF97R57 SA97R57 SAF97R57	4P	13	350	71.75	6.1	0.80	S57	6P	1.3	3804	1070	29	1.00		1.5	3319	928	32	1.15		1.7	2965	824	33	1.30		1.9	2117	714	34	1.75		2.2	2280	626	34	1.70		2.6	1960	538	34	1.85		2.9	1789	484	34	1.95		13	354	110.73	6.1	0.80	S57 SF57 SA57 SAF57	4P	14	328	67.20	6.3	0.85	SF57	6P	15	305	94.08	6.6	0.95		17	276	84.00	6.8	1.05		19	240	71.75	7.1	1.15		21	226	67.20	7.2	1.20		25	217	54.59	7.3	1.25		29	189	47.32	7.4	1.30		31	178	44.22	7.5	1.35		36	155	38.23	7.6	1.40																													
56	76	24.77	7.0	1.95	SA57		60	71	23.20	6.9	2.00			SAF57	71	60	19.54	6.4	2.10		17	195	84.00	4.9	0.80	S47 SF47 SA47 SAF47	4P	4.3	1219	327	11			1.05	S77R37	4P	19	169	71.75		5.0	0.95		21	160	67.20	5.1	1.00		25	161	54.59	4.9	0.95		29	138	47.32	4.8	1.10		31	129	44.22	4.7	1.15		36	114	38.32	4.6	1.20		43	98	32.48	4.4	1.30		48	88	29.00	4.3	1.30		56	76	24.77	4.2	1.40		60	71	23.20	4.1	1.45		71	60	19.54	3.7	1.55		78	57	17.80	3.6	1.65		92	49	15.12	3.6	1.75		103	44	13.50	3.4	1.80		121	38	11.53	3.3	1.90		129	35	10.80	3.2	1.95		153	30	9.10	3.1	2.10		173	27	8.04	3.1	2.15		45	86	30.68	2.5	0.80	S37 SF37 SA37 SAF37	4P	4.8			894	288.00	28	1.90	S87	6P		48	80	28.76	2.5	0.85		55	72	25.38	2.5	0.95		62	64	22.50	2.5	1.00		73	55	19.13	2.4	1.05		74	59	18.85	2.4	1.05		84	52	16.48	2.2	1.10		90	49	15.45	2.1	1.10		102	43	13.63	2.1	1.15		115	38	12.08	2.1	1.20		135	33	10.27	2.0	1.30		145	31	9.57	2.0	1.30		184	25	7.57	1.9	1.45		95	42	28.76	2.3	1.15			S37 SF37 SA37 SAF37	2P	5.4	777	256.47	14		1.45	S77	6P	108	38	25.38	2.2	1.20		122	34	22.50	2.2	1.25		143	29	19.13	2.0	1.30		145	30	18.85	2.0	1.30		166	26	16.48	1.9	1.35		177	25	15.45	1.9	1.35		201	22	13.63	1.9	1.45		227	20	12.08	1.7	1.50		267	17	10.27	1.7	1.60		286	16	9.57	1.6	1.60		362	13	7.57	1.6	1.75		0.75kW							0.75kW							0.63	7506			2208	40	0.85	S100R77 SF100R77 SA100R77 SAF100R77	4P	7.3		660	190.11	7.2	0.80	S67	6P	0.71	6628	1950	40	1.00		0.79	6015	1769	40	1.05		0.91	5170	1521	40	1.25		1.05	4513	1327	40	1.45		1.23	3827	1126	40	1.55				1.1	4323	1223	20	0.85		S97R57 SF97R57 SA97R57 SAF97R57	4P	13	350	71.75	6.1	0.80	S57	6P	1.3	3804	1070	29	1.00		1.5	3319	928	32	1.15		1.7	2965	824	33	1.30		1.9	2117	714	34	1.75		2.2	2280	626	34	1.70		2.6	1960	538	34	1.85		2.9	1789			484	34	1.95		13	354		110.73	6.1	0.80	S57 SF57 SA57 SAF57	4P	14	328	67.20	6.3	0.85	SF57	6P	15	305	94.08	6.6	0.95		17	276	84.00	6.8	1.05		19	240	71.75	7.1	1.15		21	226	67.20	7.2	1.20		25	217	54.59	7.3	1.25		29	189	47.32	7.4	1.30		31	178	44.22	7.5	1.35		36	155	38.23	7.6	1.40																	
60	71	23.20	6.9	2.00	SAF57		71	60	19.54	6.4	2.10				17	195	84.00	4.9	0.80	S47 SF47 SA47 SAF47	4P	4.3	1219	327	11			1.05	S77R37	4P	19			169	71.75		5.0	0.95			21	160	67.20	5.1	1.00		25	161	54.59	4.9	0.95		29	138	47.32	4.8	1.10		31	129	44.22	4.7	1.15		36	114	38.32	4.6	1.20		43	98	32.48	4.4	1.30		48	88	29.00	4.3	1.30		56	76	24.77	4.2	1.40		60	71	23.20	4.1	1.45		71	60	19.54	3.7	1.55		78	57	17.80	3.6	1.65		92	49	15.12	3.6	1.75		103	44	13.50	3.4	1.80		121	38	11.53	3.3	1.90		129	35	10.80	3.2	1.95		153	30	9.10	3.1	2.10		173	27	8.04	3.1	2.15		45	86	30.68	2.5	0.80	S37 SF37 SA37 SAF37	4P	4.8			894			288.00	28	1.90	S87	6P			48	80	28.76	2.5	0.85		55	72	25.38	2.5	0.95		62	64	22.50	2.5	1.00		73	55	19.13	2.4	1.05		74	59	18.85	2.4	1.05		84	52	16.48	2.2	1.10		90	49	15.45	2.1	1.10		102	43	13.63	2.1	1.15		115	38	12.08	2.1	1.20		135	33	10.27	2.0	1.30		145	31	9.57	2.0	1.30		184	25	7.57	1.9	1.45		95	42	28.76	2.3	1.15					S37 SF37 SA37 SAF37	2P	5.4	777		256.47	14		1.45	S77	6P	108	38	25.38	2.2	1.20		122	34	22.50	2.2	1.25		143	29	19.13	2.0	1.30		145	30	18.85	2.0	1.30		166	26	16.48	1.9	1.35		177	25	15.45	1.9	1.35		201	22	13.63	1.9	1.45		227	20	12.08	1.7	1.50		267	17	10.27	1.7	1.60		286	16	9.57	1.6	1.60		362	13	7.57	1.6	1.75		0.75kW							0.75kW								0.63	7506	2208			40		0.85	S100R77 SF100R77 SA100R77 SAF100R77	4P	7.3	660		190.11	7.2	0.80	S67	6P	0.71	6628	1950	40	1.00		0.79	6015	1769	40	1.05		0.91	5170	1521	40	1.25		1.05	4513	1327	40	1.45				1.23	3827	1126	40	1.55					1.1	4323	1223	20	0.85	S97R57 SF97R57 SA97R57 SAF97R57		4P	13	350	71.75	6.1	0.80	S57	6P	1.3	3804	1070	29	1.00		1.5	3319	928	32	1.15		1.7	2965	824	33	1.30		1.9	2117	714	34	1.75		2.2	2280	626	34	1.70				2.6	1960	538	34	1.85			2.9	1789	484			34	1.95		13	354	110.73		6.1	0.80	S57 SF57 SA57 SAF57	4P	14	328	67.20	6.3	0.85	SF57	6P	15	305	94.08	6.6	0.95		17	276	84.00	6.8	1.05		19	240	71.75	7.1	1.15		21	226	67.20	7.2	1.20		25	217	54.59	7.3	1.25		29	189	47.32	7.4	1.30		31	178	44.22	7.5	1.35		36	155	38.23	7.6	1.40						
71	60	19.54	6.4	2.10																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
17	195	84.00	4.9	0.80	S47 SF47 SA47 SAF47	4P	4.3	1219	327	11	1.05	S77R37	4P																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
19	169	71.75	5.0	0.95				21	160	67.20	5.1	1.00			25	161	54.59	4.9	0.95				29	138	47.32			4.8	1.10					31	129		44.22	4.7	1.15		36	114	38.32	4.6	1.20		43	98	32.48	4.4	1.30		48	88	29.00	4.3	1.30		56	76	24.77	4.2	1.40		60	71	23.20	4.1	1.45		71	60	19.54	3.7	1.55		78	57	17.80	3.6	1.65		92	49	15.12	3.6	1.75		103	44	13.50	3.4	1.80		121	38	11.53	3.3	1.90		129	35	10.80	3.2	1.95		153	30	9.10	3.1	2.10		173	27	8.04	3.1	2.15		45	86	30.68	2.5	0.80	S37 SF37 SA37 SAF37	4P	4.8	894	288.00	28	1.90	S87	6P	48	80	28.76	2.5	0.85		55	72	25.38	2.5	0.95		62	64	22.50			2.5			1.00				73	55	19.13			2.4	1.05		74	59	18.85	2.4	1.05		84	52	16.48	2.2	1.10		90	49	15.45	2.1	1.10		102	43	13.63	2.1	1.15		115	38	12.08	2.1	1.20		135	33	10.27	2.0	1.30		145	31	9.57	2.0	1.30		184	25	7.57	1.9	1.45		95	42	28.76	2.3	1.15	S37 SF37 SA37 SAF37	2P	5.4	777	256.47	14	1.45	S77	6P	108	38	25.38	2.2	1.20		122	34	22.50	2.2	1.25		143							29	19.13	2.0	1.30			145	30		18.85	2.0	1.30		166	26	16.48	1.9	1.35		177	25	15.45	1.9	1.35		201	22	13.63	1.9	1.45		227	20	12.08	1.7	1.50		267	17	10.27	1.7	1.60		286	16	9.57	1.6	1.60		362	13	7.57	1.6	1.75		0.75kW							0.75kW							0.63	7506	2208	40	0.85	S100R77 SF100R77 SA100R77 SAF100R77	4P	7.3	660	190.11	7.2	0.80	S67	6P	0.71	6628	1950	40	1.00		0.79	6015	1769	40			1.05		0.91			5170	1521		40	1.25		1.05		4513	1327	40	1.45		1.23	3827	1126	40	1.55		1.1	4323	1223	20	0.85	S97R57 SF97R57 SA97R57 SAF97R57	4P	13	350	71.75	6.1	0.80	S57			6P	1.3	3804	1070	29	1.00				1.5	3319	928	32	1.15					1.7	2965	824	33	1.30			1.9	2117	714	34	1.75		2.2	2280	626	34	1.70		2.6	1960	538	34	1.85		2.9	1789	484	34	1.95		13	354	110.73	6.1	0.80			S57 SF57 SA57 SAF57	4P	14	328	67.20	6.3	0.85	SF57	6P	15			305	94.08	6.6	0.95		17		276	84.00			6.8	1.05		19	240	71.75		7.1	1.15		21	226	67.20	7.2	1.20		25	217	54.59	7.3	1.25		29	189	47.32	7.4	1.30		31	178	44.22	7.5	1.35		36	155	38.23	7.6	1.40																					
21	160	67.20	5.1	1.00				25	161	54.59	4.9	0.95			29	138	47.32	4.8	1.10				31	129	44.22			4.7	1.15					36	114	38.32	4.6	1.20		43	98	32.48	4.4	1.30		48	88	29.00	4.3	1.30		56	76	24.77	4.2	1.40		60	71	23.20	4.1	1.45		71	60	19.54	3.7	1.55		78	57	17.80	3.6	1.65		92	49	15.12	3.6	1.75		103	44	13.50	3.4	1.80		121	38	11.53	3.3	1.90		129	35	10.80	3.2	1.95		153	30	9.10	3.1	2.10		173	27	8.04	3.1	2.15		45	86	30.68	2.5	0.80	S37 SF37 SA37 SAF37	4P	4.8	894	288.00	28	1.90			S87	6P	48	80	28.76	2.5		0.85		55	72	25.38	2.5	0.95		62	64	22.50	2.5	1.00		73			55			19.13			2.4	1.05		74		59	18.85	2.4	1.05		84	52	16.48	2.2	1.10		90	49	15.45	2.1	1.10		102	43	13.63	2.1	1.15		115	38	12.08	2.1	1.20		135	33	10.27	2.0	1.30		145	31	9.57	2.0	1.30		184	25	7.57	1.9	1.45		95	42	28.76	2.3	1.15	S37 SF37 SA37 SAF37	2P	5.4	777	256.47			14	1.45	S77	6P	108	38		25.38	2.2	1.20		122	34	22.50	2.2	1.25		143	29	19.13							2.0	1.30		145	30	18.85	2.0	1.30			166	26	16.48	1.9	1.35		177	25	15.45	1.9	1.35		201	22	13.63	1.9	1.45		227	20	12.08	1.7	1.50		267	17	10.27	1.7	1.60		286	16	9.57	1.6	1.60		362	13	7.57	1.6	1.75		0.75kW							0.75kW							0.63	7506	2208	40	0.85	S100R77 SF100R77 SA100R77 SAF100R77	4P	7.3			660	190.11	7.2	0.80	S67	6P		0.71	6628	1950	40	1.00		0.79	6015	1769	40	1.05		0.91	5170	1521			40	1.25		1.05	4513	1327	40		1.45		1.23	3827	1126	40	1.55		1.1	4323	1223	20	0.85	S97R57 SF97R57 SA97R57 SAF97R57	4P	13			350	71.75	6.1	0.80	S57	6P				1.3	3804	1070	29	1.00				1.5	3319	928	32	1.15				1.7	2965	824	33	1.30			1.9	2117	714	34	1.75		2.2	2280	626	34	1.70		2.6	1960	538	34	1.85		2.9	1789	484	34	1.95		13	354	110.73	6.1	0.80	S57 SF57 SA57 SAF57					4P	14	328	67.20	6.3	0.85		SF57			6P	15	305	94.08	6.6	0.95		17	276			84.00	6.8	1.05		19	240		71.75	7.1	1.15		21	226	67.20	7.2	1.20		25	217	54.59	7.3	1.25		29	189	47.32	7.4	1.30		31	178	44.22	7.5	1.35		36	155	38.23	7.6	1.40																				
25	161	54.59	4.9	0.95				29	138	47.32	4.8	1.10			31	129	44.22	4.7	1.15				36	114	38.32			4.6	1.20		43			98	32.48	4.4	1.30		48	88	29.00	4.3	1.30		56	76	24.77	4.2	1.40		60	71	23.20	4.1	1.45		71	60	19.54	3.7	1.55		78	57	17.80	3.6	1.65		92	49	15.12	3.6	1.75		103	44	13.50	3.4	1.80		121	38	11.53	3.3	1.90		129	35	10.80	3.2	1.95		153	30	9.10	3.1	2.10		173	27	8.04	3.1	2.15		45	86	30.68	2.5	0.80	S37 SF37 SA37 SAF37	4P	4.8	894	288.00	28	1.90			S87	6P	48	80	28.76			2.5		0.85		55	72		25.38	2.5	0.95		62	64	22.50	2.5	1.00		73	55	19.13	2.4	1.05						74			59	18.85	2.4	1.05		84	52	16.48	2.2	1.10		90	49	15.45	2.1	1.10		102	43	13.63	2.1	1.15		115	38	12.08	2.1	1.20		135	33	10.27	2.0	1.30		145	31	9.57	2.0	1.30		184	25	7.57	1.9	1.45		95	42	28.76	2.3	1.15	S37 SF37 SA37 SAF37	2P	5.4	777	256.47			14	1.45	S77			6P	108	38		25.38	2.2		1.20		122	34	22.50	2.2	1.25		143	29	19.13	2.0	1.30								145	30	18.85	2.0	1.30		166	26	16.48	1.9	1.35		177	25	15.45	1.9	1.35		201	22	13.63	1.9	1.45		227	20	12.08	1.7	1.50		267	17	10.27	1.7	1.60		286	16	9.57	1.6	1.60		362	13	7.57	1.6	1.75		0.75kW							0.75kW							0.63	7506	2208	40	0.85	S100R77 SF100R77 SA100R77 SAF100R77	4P	7.3			660			190.11	7.2	0.80	S67	6P			0.71	6628	1950	40	1.00		0.79	6015	1769	40	1.05		0.91	5170	1521	40	1.25		1.05	4513	1327	40	1.45		1.23	3827	1126	40	1.55		1.1	4323	1223	20	0.85	S97R57 SF97R57 SA97R57 SAF97R57	4P	13			350			71.75	6.1	0.80	S57	6P					1.3	3804	1070	29	1.00				1.5	3319	928	32	1.15				1.7	2965	824	33	1.30		1.9	2117	714	34	1.75		2.2	2280	626	34	1.70		2.6	1960	538	34	1.85		2.9	1789	484	34	1.95		13	354	110.73	6.1	0.80	S57 SF57 SA57 SAF57							4P	14	328	67.20	6.3		0.85				SF57	6P	15	305	94.08	6.6	0.95				17	276	84.00	6.8	1.05		19	240	71.75	7.1	1.15		21	226	67.20	7.2	1.20		25	217	54.59	7.3	1.25		29	189	47.32	7.4	1.30		31	178	44.22	7.5	1.35		36	155	38.23	7.6	1.40																			
29	138	47.32	4.8	1.10				31	129	44.22	4.7	1.15			36	114	38.32	4.6	1.20				43	98	32.48			4.4	1.30		48			88	29.00	4.3	1.30		56	76	24.77	4.2	1.40		60	71	23.20	4.1	1.45		71	60	19.54	3.7	1.55		78	57	17.80	3.6	1.65		92	49	15.12	3.6	1.75		103	44	13.50	3.4	1.80		121	38	11.53	3.3	1.90		129	35	10.80	3.2	1.95		153	30	9.10	3.1	2.10		173	27	8.04	3.1	2.15		45	86	30.68	2.5	0.80	S37 SF37 SA37 SAF37	4P	4.8	894	288.00	28			1.90	S87	6P	48	80			28.76		2.5	0.85				55		72	25.38	2.5	0.95			62	64	22.50	2.5	1.00		73	55	19.13	2.4	1.05		74	59			18.85			2.4			1.05		84	52	16.48	2.2	1.10		90	49	15.45	2.1	1.10		102	43	13.63	2.1	1.15		115	38	12.08	2.1	1.20		135	33	10.27	2.0	1.30		145	31	9.57	2.0	1.30		184	25	7.57	1.9	1.45		95	42	28.76	2.3	1.15	S37 SF37 SA37 SAF37	2P	5.4			777	256.47	14			1.45	S77	6P				108	38		25.38	2.2		1.20		122	34	22.50	2.2	1.25		143	29	19.13	2.0	1.30								145	30	18.85	2.0	1.30		166	26	16.48	1.9	1.35		177	25	15.45	1.9	1.35		201	22	13.63	1.9	1.45		227	20	12.08	1.7	1.50		267	17	10.27	1.7	1.60		286	16	9.57	1.6	1.60		362	13	7.57	1.6	1.75		0.75kW							0.75kW							0.63	7506	2208	40	0.85			S100R77 SF100R77 SA100R77 SAF100R77			4P			7.3	660	190.11	7.2				0.80	S67	6P	0.71	6628	1950	40	1.00		0.79	6015	1769	40	1.05		0.91	5170	1521	40	1.25		1.05	4513	1327	40	1.45		1.23	3827	1126	40	1.55		1.1	4323			1223			20			0.85	S97R57 SF97R57 SA97R57 SAF97R57	4P	13						350	71.75	6.1	0.80	S57	6P			1.3	3804	1070	29	1.00				1.5	3319	928	32	1.15		1.7	2965	824	33	1.30		1.9	2117	714	34	1.75		2.2	2280	626	34	1.70		2.6	1960	538	34	1.85		2.9	1789	484	34	1.95										13	354	110.73		6.1				0.80		S57 SF57 SA57 SAF57	4P	14	328	67.20	6.3			0.85	SF57	6P	15	305	94.08	6.6	0.95		17	276	84.00	6.8	1.05		19	240	71.75	7.1	1.15		21	226	67.20	7.2	1.20		25	217	54.59	7.3	1.25		29	189	47.32	7.4	1.30		31	178	44.22	7.5	1.35		36	155	38.23	7.6	1.40										
31	129	44.22	4.7	1.15				36	114	38.32	4.6	1.20		43	98	32.48	4.4	1.30				48	88	29.00	4.3			1.30		56	76			24.77	4.2	1.40		60	71	23.20	4.1	1.45		71	60	19.54	3.7	1.55		78	57	17.80	3.6	1.65		92	49	15.12	3.6	1.75		103	44	13.50	3.4	1.80		121	38	11.53	3.3	1.90		129	35	10.80	3.2	1.95		153	30	9.10	3.1	2.10		173	27	8.04	3.1	2.15		45	86	30.68	2.5	0.80	S37 SF37 SA37 SAF37	4P	4.8	894	288.00	28	1.90			S87	6P	48	80			28.76	2.5		0.85				55		72	25.38	2.5			0.95			62	64	22.50		2.5	1.00		73	55	19.13	2.4	1.05		74	59	18.85	2.4	1.05				84			52			16.48	2.2	1.10		90	49	15.45	2.1	1.10		102	43	13.63	2.1	1.15		115	38	12.08	2.1	1.20		135	33	10.27	2.0	1.30		145	31	9.57	2.0	1.30		184	25	7.57	1.9	1.45		95	42	28.76	2.3	1.15	S37 SF37 SA37 SAF37	2P	5.4	777			256.47			14	1.45	S77			6P	108					38	25.38		2.2	1.20			122	34	22.50	2.2	1.25		143	29	19.13	2.0	1.30								145	30	18.85	2.0	1.30		166	26	16.48	1.9	1.35		177	25	15.45	1.9	1.35		201	22	13.63	1.9	1.45		227	20	12.08	1.7	1.50		267	17	10.27	1.7	1.60		286	16	9.57	1.6	1.60		362	13	7.57	1.6	1.75		0.75kW							0.75kW							0.63	7506	2208	40	0.85	S100R77 SF100R77 SA100R77 SAF100R77									4P	7.3	660	190.11				7.2	0.80		S67	6P	0.71	6628	1950	40	1.00		0.79	6015	1769	40	1.05		0.91	5170	1521	40	1.25		1.05	4513	1327	40	1.45		1.23	3827	1126	40	1.55				1.1			4323			1223			20						0.85	S97R57 SF97R57 SA97R57 SAF97R57	4P	13	350				71.75	6.1	0.80	S57	6P		1.3		3804	1070	29	1.00		1.5	3319	928	32	1.15		1.7	2965	824	33	1.30		1.9	2117	714	34	1.75		2.2	2280	626	34	1.70		2.6	1960	538	34	1.85										2.9	1789	484	34		1.95								13	354	110.73	6.1			0.80	S57 SF57 SA57 SAF57		4P	14	328	67.20	6.3	0.85	SF57	6P	15	305	94.08	6.6	0.95		17	276	84.00	6.8	1.05		19	240	71.75	7.1	1.15		21	226	67.20	7.2	1.20		25	217	54.59	7.3	1.25		29	189	47.32	7.4	1.30		31	178	44.22	7.5	1.35		36	155	38.23	7.6	1.40		
36	114	38.32	4.6	1.20				43	98	32.48	4.4	1.30		48	88	29.00	4.3	1.30				56	76	24.77	4.2			1.40		60	71			23.20	4.1	1.45		71	60	19.54	3.7	1.55		78	57	17.80	3.6	1.65		92	49	15.12	3.6	1.75		103	44	13.50	3.4	1.80		121	38	11.53	3.3	1.90		129	35	10.80	3.2	1.95		153	30	9.10	3.1	2.10		173	27	8.04	3.1	2.15		45	86	30.68	2.5	0.80	S37 SF37 SA37 SAF37	4P	4.8	894	288.00	28			1.90	S87	6P	48	80			28.76		2.5	0.85				55		72	25.38			2.5		0.95		62			64		22.50	2.5	1.00		73	55	19.13	2.4	1.05		74	59	18.85	2.4	1.05		84	52	16.48	2.2			1.10						90	49	15.45	2.1	1.10		102	43	13.63	2.1	1.15		115	38	12.08	2.1	1.20		135	33	10.27	2.0	1.30		145	31	9.57	2.0	1.30		184	25	7.57	1.9	1.45		95	42	28.76	2.3	1.15	S37 SF37 SA37 SAF37	2P	5.4	777			256.47	14			1.45			S77	6P	108				38					25.38	2.2		1.20		122	34	22.50	2.2	1.25		143	29	19.13	2.0	1.30		145	30							18.85	2.0	1.30		166	26	16.48	1.9	1.35		177	25	15.45	1.9	1.35		201	22	13.63	1.9	1.45		227	20	12.08	1.7	1.50		267	17	10.27	1.7	1.60		286	16	9.57	1.6	1.60		362	13	7.57	1.6	1.75		0.75kW							0.75kW							0.63	7506	2208	40	0.85	S100R77 SF100R77 SA100R77 SAF100R77	4P								7.3	660		190.11	7.2	0.80			S67	6P	0.71		6628		1950	40	1.00		0.79	6015	1769	40	1.05		0.91	5170	1521	40	1.25		1.05	4513	1327	40	1.45		1.23	3827	1126	40	1.55		1.1	4323			1223			20			0.85			S97R57 SF97R57 SA97R57 SAF97R57					4P	13			350	71.75				6.1	0.80	S57	6P			1.3		3804	1070	29	1.00		1.5	3319	928	32	1.15		1.7	2965	824	33	1.30		1.9	2117	714	34	1.75		2.2	2280	626	34	1.70		2.6	1960	538	34	1.85										2.9	1789	484	34	1.95					13				354	110.73	6.1	0.80			S57 SF57 SA57 SAF57				4P	14	328	67.20	6.3	0.85		SF57	6P	15	305	94.08	6.6	0.95		17	276	84.00	6.8	1.05		19	240	71.75	7.1	1.15		21	226	67.20	7.2	1.20		25	217	54.59	7.3	1.25		29	189	47.32	7.4	1.30		31	178	44.22	7.5	1.35		36	155	38.23	7.6	1.40
43	98	32.48	4.4	1.30				48	88	29.00	4.3	1.30		56	76	24.77	4.2	1.40				60	71	23.20	4.1			1.45		71	60			19.54	3.7	1.55		78	57	17.80	3.6	1.65		92	49	15.12	3.6	1.75		103	44	13.50	3.4	1.80		121	38	11.53	3.3	1.90		129	35	10.80	3.2	1.95		153	30	9.10	3.1	2.10		173	27	8.04	3.1	2.15		45	86	30.68	2.5	0.80	S37 SF37 SA37 SAF37	4P	4.8	894	288.00	28			1.90	S87	6P	48			80	28.76		2.5	0.85					55	72			25.38	2.5		0.95				62		64	22.50	2.5			1.00		73	55	19.13	2.4	1.05		74	59	18.85	2.4	1.05		84	52	16.48	2.2	1.10		90	49			15.45			2.1			1.10		102	43	13.63	2.1	1.15		115	38	12.08	2.1	1.20		135	33	10.27	2.0	1.30		145	31	9.57	2.0	1.30		184	25	7.57	1.9	1.45		95	42	28.76	2.3	1.15	S37 SF37 SA37 SAF37	2P	5.4	777			256.47	14			1.45	S77			6P			108		38				25.38					2.2	1.20		122	34	22.50	2.2	1.25		143	29	19.13	2.0	1.30		145	30	18.85	2.0							1.30		166	26	16.48	1.9	1.35		177	25	15.45	1.9	1.35		201	22	13.63	1.9	1.45		227	20	12.08	1.7	1.50		267	17	10.27	1.7	1.60		286	16	9.57	1.6	1.60		362	13	7.57	1.6	1.75		0.75kW							0.75kW							0.63	7506	2208	40	0.85	S100R77 SF100R77 SA100R77 SAF100R77	4P							7.3	660		190.11	7.2		0.80	S67	6P		0.71	6628		1950		40		1.00		0.79	6015	1769	40	1.05		0.91	5170	1521	40	1.25		1.05	4513	1327	40	1.45		1.23	3827	1126	40	1.55		1.1	4323	1223	20			0.85			S97R57 SF97R57 SA97R57 SAF97R57			4P					13				350			71.75	6.1				0.80	S57	6P				1.3		3804	1070	29	1.00		1.5	3319	928	32	1.15		1.7	2965	824	33	1.30		1.9	2117	714	34	1.75		2.2	2280	626	34	1.70		2.6	1960	538	34	1.85										2.9	1789	484	34	1.95				13	354				110.73	6.1	0.80	S57 SF57 SA57 SAF57								4P	14	328	67.20	6.3		0.85		SF57	6P	15	305	94.08	6.6	0.95		17	276	84.00	6.8	1.05		19	240	71.75	7.1	1.15		21	226	67.20	7.2	1.20		25	217	54.59	7.3	1.25		29	189	47.32	7.4	1.30		31	178	44.22	7.5	1.35		36	155	38.23
48	88	29.00	4.3	1.30				56	76	24.77	4.2	1.40		60	71	23.20	4.1	1.45				71	60	19.54	3.7			1.55		78	57			17.80	3.6	1.65		92	49	15.12	3.6	1.75		103	44	13.50	3.4	1.80		121	38	11.53	3.3	1.90		129	35	10.80	3.2	1.95		153	30	9.10	3.1	2.10		173	27	8.04	3.1	2.15		45	86	30.68	2.5	0.80	S37 SF37 SA37 SAF37	4P	4.8	894	288.00	28			1.90	S87	6P	48			80	28.76		2.5			0.85			55	72			25.38		2.5	0.95				62		64	22.50			2.5	1.00		73	55			19.13	2.4	1.05		74	59	18.85	2.4	1.05		84	52	16.48	2.2	1.10		90	49	15.45	2.1	1.10				102			43			13.63	2.1	1.15		115	38	12.08	2.1	1.20		135	33	10.27	2.0	1.30		145	31	9.57	2.0	1.30		184	25	7.57	1.9	1.45		95	42	28.76	2.3	1.15	S37 SF37 SA37 SAF37	2P	5.4	777			256.47	14			1.45	S77			6P	108						38		25.38				2.2				1.20		122	34	22.50	2.2	1.25		143	29	19.13	2.0	1.30		145	30	18.85	2.0	1.30								166	26	16.48	1.9	1.35		177	25	15.45	1.9	1.35		201	22	13.63	1.9	1.45		227	20	12.08	1.7	1.50		267	17	10.27	1.7	1.60		286	16	9.57	1.6	1.60		362	13	7.57	1.6	1.75		0.75kW							0.75kW							0.63	7506	2208	40	0.85	S100R77 SF100R77 SA100R77 SAF100R77	4P						7.3	660		190.11	7.2		0.80	S67		6P	0.71		6628	1950	40		1.00				0.79	6015	1769	40	1.05		0.91	5170	1521	40	1.25		1.05	4513	1327	40	1.45		1.23	3827	1126	40	1.55		1.1	4323	1223	20	0.85	S97R57 SF97R57 SA97R57 SAF97R57			4P										13	350				71.75			6.1	0.80				S57	6P					1.3		3804	1070	29	1.00		1.5	3319	928	32	1.15		1.7	2965	824	33	1.30		1.9	2117	714	34	1.75		2.2	2280	626	34	1.70		2.6	1960	538	34	1.85										2.9	1789	484	34	1.95				13	354	110.73			6.1	0.80	S57 SF57 SA57 SAF57										4P	14	328	67.20		6.3		0.85		SF57	6P	15	305	94.08	6.6	0.95		17	276	84.00	6.8	1.05		19	240	71.75	7.1	1.15		21	226	67.20	7.2	1.20		25	217	54.59	7.3	1.25		29	189	47.32	7.4	1.30		31	178	44.22	7.5	1.35		36
56	76	24.77	4.2	1.40				60	71	23.20	4.1	1.45		71	60	19.54	3.7	1.55				78	57	17.80	3.6			1.65		92	49			15.12	3.6	1.75		103	44	13.50	3.4	1.80		121	38	11.53	3.3	1.90		129	35	10.80	3.2	1.95		153	30	9.10	3.1	2.10		173	27	8.04	3.1	2.15		45	86	30.68	2.5	0.80	S37 SF37 SA37 SAF37	4P	4.8	894	288.00	28			1.90	S87	6P	48			80	28.76		2.5			0.85			55			72	25.38		2.5	0.95					62	64			22.50	2.5	1.00		73			55	19.13	2.4	1.05				74	59	18.85	2.4	1.05		84	52	16.48	2.2	1.10		90	49	15.45	2.1	1.10		102	43	13.63	2.1			1.15						115	38	12.08	2.1	1.20		135	33	10.27	2.0	1.30		145	31	9.57	2.0	1.30		184	25	7.57	1.9	1.45		95	42	28.76	2.3	1.15	S37 SF37 SA37 SAF37	2P	5.4	777			256.47	14			1.45	S77			6P	108				38						25.38		2.2				1.20				122	34	22.50	2.2	1.25		143	29	19.13	2.0	1.30		145	30	18.85	2.0	1.30		166	26							16.48	1.9	1.35		177	25	15.45	1.9	1.35		201	22	13.63	1.9	1.45		227	20	12.08	1.7	1.50		267	17	10.27	1.7	1.60		286	16	9.57	1.6	1.60		362	13	7.57	1.6	1.75		0.75kW							0.75kW							0.63	7506	2208	40	0.85	S100R77 SF100R77 SA100R77 SAF100R77	4P								7.3	660	190.11	7.2	0.80	S67	6P	0.71			6628		1950	40	1.00			0.79	6015		1769	40	1.05		0.91	5170	1521	40	1.25		1.05	4513	1327	40	1.45		1.23	3827	1126	40	1.55		1.1	4323	1223	20	0.85	S97R57 SF97R57 SA97R57 SAF97R57	4P														13	350				71.75			6.1	0.80	S57			6P						1.3		3804	1070	29	1.00		1.5	3319	928	32	1.15		1.7	2965	824	33	1.30		1.9	2117	714	34	1.75		2.2	2280	626	34	1.70		2.6	1960	538	34	1.85										2.9	1789	484	34	1.95				13	354	110.73			6.1	0.80							S57 SF57 SA57 SAF57					4P	14	328		67.20		6.3		0.85		SF57	6P	15	305	94.08	6.6	0.95		17	276	84.00	6.8	1.05		19	240	71.75	7.1	1.15		21	226	67.20	7.2	1.20		25	217	54.59	7.3	1.25		29	189	47.32	7.4	1.30		31	178	44.22	7.5	1.35
60	71	23.20	4.1	1.45				71	60	19.54	3.7	1.55		78	57	17.80	3.6	1.65				92	49	15.12	3.6			1.75		103	44			13.50	3.4	1.80		121	38	11.53	3.3	1.90		129	35	10.80	3.2	1.95		153	30	9.10	3.1	2.10		173	27	8.04	3.1	2.15		45	86	30.68	2.5	0.80	S37 SF37 SA37 SAF37	4P	4.8	894	288.00	28			1.90	S87	6P	48			80	28.76		2.5			0.85			55			72	25.38		2.5			0.95			62	64			22.50	2.5	1.00				73	55	19.13	2.4	1.05				74	59	18.85	2.4			1.05		84	52	16.48	2.2	1.10		90	49	15.45	2.1	1.10		102	43	13.63	2.1	1.15		115	38			12.08			2.1			1.20		135	33	10.27	2.0	1.30		145	31	9.57	2.0	1.30		184	25	7.57	1.9	1.45		95	42	28.76	2.3	1.15	S37 SF37 SA37 SAF37	2P	5.4	777			256.47	14			1.45	S77			6P	108				38				25.38						2.2		1.20				122	34			22.50	2.2	1.25		143	29	19.13	2.0	1.30		145	30	18.85	2.0	1.30		166	26	16.48	1.9							1.35		177	25	15.45	1.9	1.35		201	22	13.63	1.9	1.45		227	20	12.08	1.7	1.50		267	17	10.27	1.7	1.60		286	16	9.57	1.6	1.60		362	13	7.57	1.6	1.75		0.75kW							0.75kW							0.63	7506	2208	40	0.85	S100R77 SF100R77 SA100R77 SAF100R77	4P									7.3	660	190.11	7.2	0.80	S67	6P		0.71	6628		1950		40	1.00			0.79	6015	1769	40	1.05		0.91	5170	1521	40	1.25		1.05	4513	1327	40	1.45		1.23	3827	1126	40	1.55		1.1	4323	1223	20	0.85	S97R57 SF97R57 SA97R57 SAF97R57	4P																13	350				71.75			6.1	0.80	S57							6P		1.3		3804	1070	29	1.00		1.5	3319	928	32	1.15		1.7	2965	824	33	1.30		1.9	2117	714	34	1.75		2.2	2280	626	34	1.70		2.6	1960	538	34	1.85										2.9	1789	484	34	1.95				13	354	110.73			6.1	0.80													S57 SF57 SA57 SAF57	4P	14	328		67.20		6.3		0.85		SF57	6P	15	305	94.08	6.6	0.95		17	276	84.00	6.8	1.05		19	240	71.75	7.1	1.15		21	226	67.20	7.2	1.20		25	217	54.59	7.3	1.25		29	189	47.32	7.4	1.30		31	178	44.22
71	60	19.54	3.7	1.55				78	57	17.80	3.6	1.65		92	49	15.12	3.6	1.75				103	44	13.50	3.4			1.80		121	38	11.53	3.3	1.90		129	35	10.80	3.2	1.95		153	30	9.10	3.1	2.10		173	27	8.04	3.1	2.15		45	86	30.68	2.5	0.80	S37 SF37 SA37 SAF37	4P	4.8	894	288.00	28	1.90	S87			6P	48	80	28.76			2.5	0.85					55	72		25.38			2.5	0.95					62	64		22.50			2.5	1.00		73	55			19.13	2.4	1.05				74	59	18.85	2.4	1.05				84	52	16.48	2.2			1.10		90	49	15.45	2.1	1.10		102	43	13.63	2.1	1.15		115	38	12.08	2.1	1.20		135	33			10.27			2.0	1.30		145	31	9.57	2.0	1.30		184	25	7.57	1.9	1.45		95	42	28.76	2.3	1.15	S37 SF37 SA37 SAF37	2P	5.4	777	256.47	14	1.45	S77			6P	108			38	25.38			2.2	1.20								122				34						22.50	2.2	1.25				143	29			19.13	2.0	1.30		145	30	18.85	2.0	1.30		166	26	16.48	1.9	1.35		177	25	15.45	1.9	1.35						201	22	13.63	1.9	1.45		227	20	12.08	1.7	1.50		267	17	10.27	1.7	1.60		286	16	9.57	1.6	1.60		362	13	7.57	1.6	1.75		0.75kW							0.75kW							0.63	7506	2208	40	0.85	S100R77 SF100R77 SA100R77 SAF100R77	4P	7.3	660	190.11	7.2	0.80	S67									6P	0.71	6628	1950	40	1.00		0.79			6015	1769		40		1.05		0.91	5170	1521	40	1.25		1.05	4513	1327	40	1.45		1.23	3827	1126	40	1.55		1.1	4323	1223	20	0.85	S97R57 SF97R57 SA97R57 SAF97R57	4P	13	350	71.75	6.1	0.80	S57																		6P	1.3	3804	1070		29			1.00		1.5						3319			928		32	1.15		1.7	2965	824	33	1.30		1.9	2117	714	34	1.75		2.2	2280	626	34	1.70		2.6	1960	538	34	1.85		2.9	1789	484	34	1.95		13	354			110.73	6.1					0.80	S57 SF57 SA57 SAF57	4P	14	328	67.20			6.3	0.85	SF57			6P	15															305	94.08	6.6	0.95				17		276		84.00	6.8	1.05		19	240	71.75	7.1	1.15		21	226	67.20	7.2	1.20		25	217	54.59	7.3	1.25		29	189	47.32	7.4	1.30		31	178	44.22	7.5	1.35		36	155	38.23	7.6	1.40
78	57	17.80	3.6	1.65				92	49	15.12	3.6	1.75		103	44	13.50	3.4	1.80				121	38	11.53	3.3	1.90		129	35	10.80	3.2	1.95		153	30	9.10	3.1	2.10		173	27	8.04	3.1	2.15		45	86	30.68	2.5	0.80	S37 SF37 SA37 SAF37	4P	4.8	894	288.00	28	1.90	S87			6P	48	80	28.76	2.5	0.85					55	72			25.38	2.5		0.95				62		64			22.50	2.5		1.00				73	55	19.13			2.4	1.05		74	59			18.85	2.4	1.05				84	52	16.48	2.2	1.10				90	49	15.45	2.1			1.10		102	43	13.63	2.1	1.15		115	38	12.08	2.1	1.20		135	33	10.27	2.0	1.30		145	31			9.57	2.0	1.30		184	25	7.57	1.9	1.45		95	42	28.76	2.3	1.15	S37 SF37 SA37 SAF37	2P	5.4	777	256.47	14	1.45	S77			6P	108	38	25.38	2.2	1.20							122	34			22.50	2.2				1.25								143			29			19.13	2.0	1.30				145	30			18.85	2.0	1.30		166	26	16.48	1.9	1.35		177	25	15.45	1.9	1.35		201	22	13.63	1.9	1.45		227	20			12.08	1.7	1.50		267	17	10.27	1.7	1.60		286	16	9.57	1.6	1.60		362	13	7.57	1.6	1.75		0.75kW							0.75kW							0.63	7506	2208	40	0.85	S100R77 SF100R77 SA100R77 SAF100R77	4P	7.3	660	190.11	7.2	0.80	S67			6P	0.71	6628	1950	40	1.00								0.79		6015	1769	40	1.05		0.91	5170			1521	40		1.25		1.05	4513	1327	40	1.45		1.23	3827	1126	40	1.55		1.1	4323	1223	20	0.85	S97R57 SF97R57 SA97R57 SAF97R57	4P	13	350	71.75	6.1	0.80	S57			6P	1.3	3804	1070	29	1.00																				1.5	3319		928			32	1.15		1.7	2965			824	33			1.30			1.9	2117	714	34	1.75		2.2	2280	626	34	1.70		2.6	1960	538	34	1.85		2.9	1789	484	34	1.95		13	354	110.73	6.1	0.80	S57 SF57 SA57 SAF57	4P	14	328	67.20			6.3	0.85					SF57			6P	15	305	94.08	6.6	0.95		17				276															84.00	6.8	1.05		19	240		71.75		7.1		1.15		21	226	67.20	7.2	1.20		25	217	54.59	7.3	1.25		29	189	47.32	7.4	1.30		31	178	44.22	7.5	1.35		36	155	38.23	7.6	1.40								
92	49	15.12	3.6	1.75				103	44	13.50	3.4	1.80		121	38	11.53	3.3	1.90		129	35	10.80	3.2	1.95		153	30	9.10	3.1	2.10		173	27	8.04	3.1	2.15		45	86	30.68	2.5	0.80	S37 SF37 SA37 SAF37	4P	4.8	894	288.00	28	1.90	S87			6P	48	80	28.76	2.5	0.85					55	72	25.38	2.5				0.95		62			64	22.50		2.5			1.00			73			55	19.13	2.4	1.05				74	59	18.85			2.4	1.05		84	52			16.48	2.2	1.10				90	49	15.45	2.1	1.10				102	43	13.63	2.1			1.15		115	38	12.08	2.1	1.20		135	33	10.27	2.0	1.30		145	31	9.57	2.0	1.30		184	25	7.57	1.9	1.45		95	42	28.76	2.3	1.15	S37 SF37 SA37 SAF37	2P	5.4	777	256.47	14	1.45	S77			6P	108	38	25.38	2.2	1.20					122	34	22.50	2.2				1.25				143			29	19.13				2.0				1.30				145			30			18.85	2.0	1.30				166	26			16.48	1.9	1.35		177	25	15.45	1.9	1.35		201	22	13.63	1.9	1.45		227	20	12.08	1.7	1.50		267	17	10.27	1.7	1.60		286	16	9.57	1.6	1.60		362	13	7.57	1.6	1.75		0.75kW							0.75kW							0.63	7506	2208	40	0.85	S100R77 SF100R77 SA100R77 SAF100R77	4P	7.3	660	190.11	7.2	0.80	S67			6P	0.71	6628	1950	40	1.00					0.79	6015	1769	40					1.05		0.91	5170		1521	40	1.25		1.05	4513	1327			40	1.45		1.23	3827	1126	40	1.55		1.1	4323	1223	20	0.85	S97R57 SF97R57 SA97R57 SAF97R57	4P	13	350	71.75	6.1	0.80	S57			6P	1.3	3804	1070	29	1.00					1.5	3319	928	32																			1.15		1.7		2965			824	33	1.30		1.9		2117	714	34		1.75		2.2	2280	626	34	1.70		2.6	1960	538	34	1.85		2.9	1789	484	34	1.95		13	354	110.73	6.1	0.80	S57 SF57 SA57 SAF57	4P	14	328	67.20	6.3	0.85	SF57			6P	15	305			94.08	6.6					0.95					17	276	84.00	6.8	1.05					19			240	71.75											7.1	1.15		21	226	67.20	7.2	1.20				25	217	54.59	7.3	1.25		29	189	47.32	7.4	1.30		31	178	44.22	7.5	1.35		36	155	38.23	7.6	1.40																
103	44	13.50	3.4	1.80				121	38	11.53	3.3	1.90		129	35	10.80	3.2	1.95		153	30	9.10	3.1	2.10		173	27	8.04	3.1	2.15		45	86	30.68	2.5	0.80	S37 SF37 SA37 SAF37	4P	4.8	894	288.00	28			1.90	S87	6P	48	80	28.76				2.5	0.85		55	72				25.38	2.5	0.95		62				64	22.50	2.5			1.00			73			55	19.13	2.4	1.05				74	59	18.85			2.4	1.05		84			52	16.48	2.2	1.10				90	49	15.45	2.1			1.10		102	43	13.63			2.1	1.15		115	38			12.08	2.1	1.20		135	33	10.27	2.0	1.30		145	31	9.57	2.0	1.30		184	25	7.57	1.9	1.45		95	42	28.76	2.3	1.15	S37 SF37 SA37 SAF37	2P	5.4	777			256.47	14	1.45	S77	6P	108				38	25.38	2.2	1.20					122	34	22.50	2.2	1.25							143	29			19.13	2.0				1.30				145			30	18.85			2.0			1.30		166			26	16.48	1.9			1.35		177	25	15.45	1.9	1.35		201	22	13.63	1.9	1.45		227	20	12.08	1.7	1.50		267	17	10.27	1.7	1.60		286	16	9.57	1.6	1.60		362	13	7.57	1.6	1.75		0.75kW							0.75kW							0.63	7506	2208	40	0.85	S100R77 SF100R77 SA100R77 SAF100R77	4P			7.3	660	190.11	7.2	0.80	S67				6P	0.71	6628	1950	40				1.00		0.79	6015	1769			40	1.05		0.91	5170	1521		40	1.25		1.05	4513	1327	40		1.45		1.23	3827	1126	40	1.55		1.1	4323	1223	20	0.85	S97R57 SF97R57 SA97R57 SAF97R57	4P			13	350	71.75	6.1	0.80	S57				6P	1.3	3804	1070	29				1.00		1.5	3319	928																			32	1.15			1.7			2965	824	33	1.30		1.9	2117	714	34		1.75		2.2	2280	626	34	1.70		2.6	1960	538	34	1.85		2.9	1789	484	34	1.95		13	354	110.73	6.1	0.80			S57 SF57 SA57 SAF57	4P	14	328	67.20	6.3				0.85	SF57			6P	15					305				94.08	6.6	0.95		17	276	84.00				6.8			1.05												19	240	71.75	7.1	1.15		21	226	67.20	7.2		1.20		25	217	54.59	7.3	1.25		29	189	47.32	7.4	1.30		31	178	44.22	7.5	1.35		36	155	38.23	7.6	1.40														
121	38	11.53	3.3	1.90		129	35	10.80	3.2	1.95		153	30	9.10	3.1	2.10		173	27	8.04	3.1	2.15		45	86	30.68	2.5	0.80	S37 SF37 SA37 SAF37	4P	4.8	894	288.00	28	1.90	S87			6P	48	80	28.76			2.5	0.85			55	72				25.38	2.5	0.95		62				64	22.50	2.5	1.00					73	55	19.13			2.4	1.05		74			59	18.85	2.4	1.05				84	52	16.48			2.2	1.10		90			49	15.45	2.1	1.10				102	43	13.63	2.1			1.15		115	38	12.08			2.1	1.20		135	33			10.27	2.0	1.30		145	31	9.57	2.0	1.30		184	25	7.57	1.9	1.45		95	42	28.76	2.3	1.15	S37 SF37 SA37 SAF37	2P	5.4	777	256.47	14			1.45	S77			6P	108	38	25.38		2.2				1.20		122	34	22.50				2.2	1.25		143	29				19.13			2.0	1.30				145			30	18.85			2.0	1.30				166			26			16.48	1.9	1.35				177	25			15.45	1.9	1.35		201	22	13.63	1.9	1.45		227	20	12.08	1.7	1.50		267	17	10.27	1.7	1.60		286	16	9.57	1.6	1.60		362	13	7.57	1.6	1.75		0.75kW							0.75kW							0.63	7506	2208	40	0.85	S100R77 SF100R77 SA100R77 SAF100R77	4P	7.3	660					190.11	7.2	0.80	S67	6P	0.71					6628	1950	40	1.00					0.79	6015	1769	40	1.05		0.91	5170	1521	40	1.25			1.05	4513	1327	40	1.45		1.23	3827	1126	40	1.55		1.1	4323	1223	20	0.85	S97R57 SF97R57 SA97R57 SAF97R57	4P	13	350					71.75	6.1	0.80	S57	6P	1.3					3804	1070	29	1.00					1.5	3319	928	32																			1.15		1.7		2965			824	33	1.30		1.9	2117	714	34	1.75		2.2	2280	626	34	1.70		2.6	1960	538	34	1.85		2.9	1789	484	34	1.95		13	354	110.73	6.1	0.80	S57 SF57 SA57 SAF57	4P					14	328	67.20	6.3				0.85	SF57				6P					15				305	94.08	6.6	0.95		17	276				84.00			6.8	1.05												19	240	71.75	7.1	1.15		21	226	67.20	7.2	1.20		25	217	54.59	7.3	1.25		29	189	47.32	7.4	1.30		31	178	44.22	7.5	1.35		36	155	38.23	7.6	1.40														
129	35	10.80	3.2	1.95		153	30	9.10	3.1	2.10		173	27	8.04	3.1	2.15		45	86	30.68	2.5	0.80	S37 SF37 SA37 SAF37	4P	4.8	894	288.00	28			1.90	S87	6P	48	80	28.76				2.5	0.85				55	72		25.38	2.5	0.95					62	64	22.50	2.5				1.00		73	55	19.13			2.4	1.05		74			59	18.85	2.4	1.05				84	52	16.48			2.2	1.10		90			49	15.45	2.1	1.10				102	43	13.63	2.1			1.15		115	38			12.08	2.1	1.20		135			33	10.27	2.0	1.30		145	31	9.57	2.0	1.30		184	25	7.57	1.9	1.45		95	42	28.76	2.3	1.15	S37 SF37 SA37 SAF37	2P	5.4	777	256.47	14			1.45	S77	6P	108			38	25.38				2.2	1.20			122				34	22.50	2.2	1.25					143	29	19.13	2.0	1.30				145			30	18.85			2.0	1.30				166			26	16.48			1.9	1.35						177	25	15.45			1.9	1.35		201	22	13.63	1.9	1.45		227	20	12.08	1.7	1.50		267	17	10.27	1.7	1.60		286	16	9.57	1.6	1.60		362	13	7.57	1.6	1.75		0.75kW							0.75kW							0.63	7506	2208	40	0.85	S100R77 SF100R77 SA100R77 SAF100R77	4P	7.3	660	190.11	7.2			0.80	S67					6P	0.71	6628	1950		40					1.00		0.79	6015	1769	40		1.05		0.91	5170	1521	40	1.25		1.05	4513	1327	40	1.45		1.23	3827	1126	40	1.55		1.1	4323	1223	20	0.85	S97R57 SF97R57 SA97R57 SAF97R57	4P	13	350	71.75	6.1			0.80	S57					6P	1.3	3804	1070		29					1.00		1.5	3319				928	32	1.15		1.7												2965	824					33	1.30		1.9		2117			714	34	1.75		2.2	2280	626	34	1.70		2.6	1960	538	34	1.85		2.9	1789	484	34	1.95		13	354	110.73	6.1	0.80	S57 SF57 SA57 SAF57	4P	14	328	67.20	6.3							0.85	SF57	6P	15				305	94.08					6.6	0.95							17	276	84.00	6.8	1.05		19			240	71.75			7.1	1.15												21	226	67.20	7.2	1.20		25	217	54.59	7.3	1.25		29	189	47.32	7.4	1.30		31	178	44.22	7.5	1.35		36	155	38.23	7.6	1.40																				
153	30	9.10	3.1	2.10		173	27	8.04	3.1	2.15		45	86	30.68	2.5	0.80	S37 SF37 SA37 SAF37	4P	4.8	894	288.00	28			1.90	S87	6P	48			80	28.76		2.5	0.85					55	72	25.38			2.5	0.95			62	64				22.50	2.5	1.00		73			55	19.13	2.4	1.05		74			59	18.85	2.4	1.05				84	52	16.48			2.2	1.10		90			49	15.45	2.1	1.10				102	43	13.63			2.1	1.15		115	38			12.08	2.1	1.20				135	33	10.27	2.0	1.30		145	31	9.57	2.0	1.30		184	25	7.57	1.9	1.45		95	42	28.76	2.3	1.15	S37 SF37 SA37 SAF37	2P	5.4	777	256.47	14			1.45	S77	6P	108			38	25.38		2.2			1.20					122	34	22.50		2.2				1.25		143	29	19.13			2.0	1.30		145	30	18.85			2.0	1.30				166			26	16.48			1.9	1.35				177			25	15.45			1.9			1.35		201	22	13.63	1.9	1.45		227	20	12.08	1.7	1.50		267	17	10.27	1.7	1.60		286	16	9.57	1.6	1.60		362	13	7.57	1.6	1.75		0.75kW							0.75kW							0.63	7506	2208	40	0.85	S100R77 SF100R77 SA100R77 SAF100R77	4P	7.3	660	190.11	7.2			0.80	S67	6P	0.71			6628	1950						40	1.00			0.79	6015	1769			40	1.05		0.91	5170	1521	40	1.25		1.05	4513	1327	40	1.45		1.23	3827	1126	40	1.55		1.1	4323	1223	20	0.85	S97R57 SF97R57 SA97R57 SAF97R57	4P	13	350	71.75	6.1			0.80	S57	6P	1.3			3804	1070						29	1.00			1.5					3319	928	32	1.15				1.7	2965	824	33	1.30										1.9		2117	714					34	1.75		2.2		2280			626	34	1.70		2.6	1960	538	34	1.85		2.9	1789	484	34	1.95		13	354	110.73	6.1	0.80	S57 SF57 SA57 SAF57	4P	14	328	67.20	6.3			0.85	SF57	6P	15							305	94.08		6.6				0.95			17			276	84.00	6.8		1.05				19	240	71.75	7.1	1.15		21			226	67.20			7.2	1.20												25	217	54.59	7.3	1.25		29	189	47.32	7.4	1.30		31	178	44.22	7.5	1.35		36	155	38.23	7.6	1.40																										
173	27	8.04	3.1	2.15																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
45	86	30.68	2.5	0.80	S37 SF37 SA37 SAF37	4P	4.8	894	288.00	28	1.90	S87	6P																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
48	80	28.76	2.5	0.85				55	72	25.38	2.5	0.95			62	64			22.50	2.5	1.00				73	55		19.13			2.4	1.05			74	59			18.85	2.4	1.05				84	52	16.48	2.2	1.10				90	49	15.45	2.1	1.10				102	43	13.63	2.1	1.15				115	38	12.08	2.1			1.20		135	33			10.27	2.0	1.30				145	31	9.57	2.0			1.30		184	25	7.57	1.9	1.45		95	42	28.76	2.3	1.15	S37 SF37 SA37 SAF37	2P	5.4	777	256.47	14	1.45	S77	6P	108	38	25.38	2.2	1.20		122	34	22.50	2.2	1.25		143	29	19.13	2.0	1.30		145	30			18.85	2.0	1.30				166	26		16.48			1.9	1.35					177	25			15.45	1.9	1.35		201	22			13.63	1.9	1.45		227	20			12.08	1.7	1.50		267	17			10.27	1.7			1.60				286	16			9.57	1.6			1.60		362	13	7.57	1.6	1.75		0.75kW							0.75kW							0.63	7506	2208	40	0.85	S100R77 SF100R77 SA100R77 SAF100R77	4P	7.3	660	190.11	7.2	0.80	S67	6P	0.71	6628	1950	40	1.00		0.79	6015	1769	40	1.05		0.91	5170	1521	40	1.25		1.05	4513	1327	40	1.45		1.23	3827			1126	40	1.55				1.1	4323		1223	20	0.85	S97R57 SF97R57 SA97R57 SAF97R57	4P	13	350	71.75	6.1		0.80	S57	6P	1.3	3804	1070	29	1.00		1.5	3319	928	32	1.15		1.7	2965	824	33	1.30		1.9	2117	714	34	1.75		2.2	2280	626	34	1.70		2.6	1960			538	34	1.85				2.9	1789		484			34	1.95							13	354	110.73	6.1			0.80	S57 SF57 SA57 SAF57	4P	14	328	67.20			6.3	0.85	SF57	6P	15	305						94.08	6.6		0.95			17	276		84.00	6.8		1.05		19	240		71.75	7.1	1.15		21	226	67.20	7.2	1.20		25	217	54.59	7.3	1.25		29	189	47.32	7.4	1.30		31	178			44.22	7.5	1.35				36	155		38.23							7.6	1.40																																																																																														
55	72	25.38	2.5	0.95				62	64	22.50	2.5	1.00			73	55			19.13	2.4	1.05				74	59		18.85			2.4	1.05		84	52	16.48			2.2	1.10		90			49	15.45	2.1	1.10		102			43	13.63	2.1	1.15		115			38	12.08	2.1	1.20		135			33	10.27	2.0	1.30				145	31	9.57			2.0	1.30		184			25	7.57	1.9	1.45		95	42	28.76	2.3	1.15	S37 SF37 SA37 SAF37	2P	5.4	777	256.47	14	1.45	S77	6P			108	38	25.38	2.2	1.20			122	34	22.50	2.2	1.25		143	29	19.13	2.0	1.30		145	30	18.85	2.0	1.30		166	26			16.48	1.9	1.35				177	25		15.45			1.9	1.35		201			22	13.63			1.9	1.45		227	20	12.08			1.7	1.50		267	17	10.27			1.7	1.60		286	16	9.57			1.6	1.60				362			13	7.57			1.6	1.75		0.75kW							0.75kW							0.63	7506	2208	40	0.85	S100R77 SF100R77 SA100R77 SAF100R77	4P	7.3	660	190.11	7.2	0.80	S67	6P			0.71	6628	1950	40	1.00			0.79	6015	1769	40	1.05		0.91	5170	1521	40	1.25		1.05	4513	1327	40	1.45		1.23	3827	1126	40	1.55		1.1	4323			1223	20	0.85	S97R57 SF97R57 SA97R57 SAF97R57	4P	13	350	71.75		6.1	0.80	S57			6P	1.3	3804	1070	29	1.00			1.5	3319	928	32	1.15		1.7	2965	824	33	1.30		1.9	2117	714	34	1.75		2.2	2280	626	34	1.70		2.6	1960	538	34	1.85		2.9	1789			484	34	1.95				13	354		110.73			6.1	0.80					S57 SF57 SA57 SAF57	4P	14	328	67.20	6.3			0.85			SF57	6P	15			305	94.08	6.6		0.95							17	276		84.00	6.8		1.05			19	240	71.75	7.1	1.15		21	226	67.20	7.2	1.20		25	217	54.59	7.3	1.25		29	189	47.32	7.4	1.30		31	178	44.22	7.5	1.35		36	155			38.23	7.6	1.40																																																																																																													
62	64	22.50	2.5	1.00				73	55	19.13	2.4	1.05			74	59			18.85	2.4	1.05				84	52	16.48	2.2			1.10		90	49	15.45	2.1			1.10		102	43			13.63	2.1	1.15		115	38			12.08	2.1	1.20		135	33			10.27	2.0	1.30		145	31			9.57	2.0	1.30				184	25	7.57	1.9			1.45		95	42	28.76	2.3	1.15	S37 SF37 SA37 SAF37	2P	5.4	777	256.47	14	1.45	S77	6P			108	38	25.38	2.2	1.20					122	34	22.50	2.2	1.25			143	29	19.13	2.0	1.30		145	30	18.85	2.0	1.30		166	26	16.48	1.9	1.35		177	25			15.45	1.9	1.35				201	22	13.63	1.9			1.45		227	20			12.08	1.7			1.50		267	17	10.27	1.7			1.60		286	16	9.57	1.6			1.60		362	13	7.57	1.6			1.75				0.75kW							0.75kW							0.63	7506	2208	40	0.85	S100R77 SF100R77 SA100R77 SAF100R77	4P	7.3	660	190.11	7.2	0.80	S67	6P	0.71	6628			1950	40	1.00		0.79	6015				1769	40	1.05		0.91	5170		1521	40	1.25		1.05	4513	1327	40	1.45		1.23	3827	1126	40	1.55		1.1	4323	1223	20	0.85	S97R57 SF97R57 SA97R57 SAF97R57	4P	13	350	71.75	6.1	0.80	S57	6P	1.3			3804	1070	29	1.00		1.5	3319				928	32	1.15		1.7	2965		824	33	1.30		1.9	2117	714	34	1.75		2.2	2280	626	34	1.70		2.6	1960	538	34	1.85		2.9	1789	484	34	1.95		13	354	110.73	6.1			0.80	S57 SF57 SA57 SAF57	4P	14			328	67.20	6.3	0.85			SF57	6P							15	305	94.08	6.6			0.95					17			276	84.00	6.8		1.05							19	240		71.75	7.1	1.15		21	226	67.20	7.2	1.20		25	217	54.59	7.3	1.25		29	189	47.32	7.4	1.30		31	178	44.22	7.5	1.35		36	155	38.23	7.6	1.40																																																																																																																							
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74	59	18.85	2.4	1.05				84	52	16.48	2.2	1.10		90	49	15.45			2.1	1.10		102			43	13.63	2.1	1.15				115	38	12.08	2.1	1.20				135	33	10.27			2.0	1.30		145	31	9.57			2.0	1.30		184	25	7.57			1.9	1.45		95	42	28.76			2.3	1.15	S37 SF37 SA37 SAF37	2P	5.4	777	256.47	14	1.45	S77	6P			108	38	25.38	2.2	1.20					122	34	22.50	2.2	1.25					143	29	19.13	2.0	1.30					145	30	18.85	2.0	1.30			166	26	16.48	1.9	1.35		177	25	15.45	1.9	1.35		201	22	13.63	1.9	1.45		227			20	12.08	1.7	1.50				267	17	10.27			1.7	1.60		286			16	9.57			1.6	1.60		362	13	7.57			1.6	1.75		0.75kW							0.75kW							0.63	7506	2208	40	0.85	S100R77 SF100R77 SA100R77 SAF100R77	4P	7.3	660	190.11	7.2	0.80	S67	6P	0.71			6628	1950	40	1.00				0.79		6015	1769	40	1.05			0.91			5170	1521	40	1.25		1.05				4513	1327	40	1.45		1.23		3827	1126	40	1.55		1.1	4323	1223	20	0.85	S97R57 SF97R57 SA97R57 SAF97R57	4P	13	350	71.75	6.1	0.80			S57	6P			1.3	3804	1070	29		1.00					1.5	3319	928	32	1.15		1.7				2965	824	33	1.30		1.9		2117	714	34	1.75		2.2	2280	626	34	1.70		2.6	1960	538	34	1.85		2.9	1789	484	34	1.95		13	354	110.73	6.1	0.80	S57 SF57 SA57 SAF57	4P	14	328									67.20	6.3	0.85	SF57			6P								15		305	94.08			6.6			0.95					17	276	84.00		6.8	1.05				19	240	71.75	7.1	1.15		21	226	67.20	7.2	1.20		25	217	54.59	7.3	1.25		29	189	47.32	7.4	1.30		31	178	44.22	7.5	1.35		36	155	38.23	7.6	1.40																																																																																																																										
84	52	16.48	2.2	1.10				90	49	15.45	2.1	1.10		102	43	13.63			2.1	1.15		115			38	12.08	2.1	1.20				135	33	10.27	2.0	1.30				145	31	9.57			2.0	1.30		184	25	7.57			1.9	1.45		95	42	28.76			2.3	1.15	S37 SF37 SA37 SAF37	2P	5.4	777	256.47	14	1.45	S77			6P	108	38	25.38	2.2	1.20					122	34	22.50	2.2	1.25					143	29	19.13	2.0				1.30		145	30	18.85	2.0				1.30		166	26	16.48	1.9	1.35		177	25	15.45	1.9	1.35		201	22	13.63	1.9	1.45		227	20	12.08	1.7	1.50		267			17	10.27	1.7	1.60				286	16	9.57			1.6	1.60		362			13	7.57			1.6	1.75		0.75kW							0.75kW							0.63	7506	2208	40	0.85	S100R77 SF100R77 SA100R77 SAF100R77	4P	7.3	660	190.11	7.2	0.80	S67			6P	0.71	6628	1950	40	1.00					0.79	6015	1769	40	1.05					0.91	5170	1521	40		1.25				1.05	4513	1327	40	1.45			1.23	3827	1126	40	1.55		1.1	4323	1223	20	0.85	S97R57 SF97R57 SA97R57 SAF97R57	4P	13	350	71.75	6.1	0.80	S57			6P	1.3	3804	1070	29			1.00					1.5	3319	928		32		1.15				1.7	2965	824	33	1.30					1.9	2117	714	34	1.75		2.2	2280	626	34	1.70		2.6	1960	538	34	1.85		2.9	1789	484	34	1.95		13	354	110.73	6.1	0.80	S57 SF57 SA57 SAF57	4P	14	328	67.20	6.3			0.85	SF57									6P	15	305	94.08											6.6		0.95				17			276		84.00			6.8	1.05		19	240	71.75	7.1	1.15		21	226	67.20	7.2	1.20		25	217	54.59	7.3	1.25		29	189	47.32	7.4	1.30		31	178	44.22	7.5	1.35		36	155	38.23	7.6	1.40																																																																																																																																
90	49	15.45	2.1	1.10				102	43	13.63	2.1	1.15		115	38	12.08			2.1	1.20		135			33	10.27	2.0	1.30				145	31	9.57	2.0	1.30				184	25	7.57			1.9	1.45		95	42	28.76			2.3	1.15	S37 SF37 SA37 SAF37	2P	5.4	777	256.47	14	1.45	S77			6P	108	38	25.38	2.2	1.20					122	34	22.50	2.2				1.25		143	29	19.13	2.0				1.30		145	30	18.85				2.0	1.30		166	26	16.48	1.9			1.35		177	25	15.45	1.9	1.35		201	22	13.63	1.9	1.45		227	20	12.08	1.7	1.50		267	17	10.27	1.7	1.60		286			16	9.57	1.6	1.60				362	13	7.57			1.6	1.75		0.75kW							0.75kW								0.63	7506	2208	40	0.85	S100R77 SF100R77 SA100R77 SAF100R77	4P	7.3	660	190.11	7.2	0.80	S67	6P			0.71	6628	1950	40	1.00					0.79	6015	1769	40	1.05					0.91	5170	1521	40	1.25					1.05	4513	1327	40		1.45		1.23	3827	1126	40	1.55		1.1	4323	1223	20	0.85	S97R57 SF97R57 SA97R57 SAF97R57	4P	13	350	71.75	6.1	0.80	S57	6P			1.3	3804	1070	29	1.00					1.5	3319	928	32			1.15					1.7	2965	824		33		1.30				1.9	2117	714	34	1.75				2.2	2280	626	34	1.70		2.6	1960	538	34	1.85		2.9	1789	484	34	1.95		13	354	110.73	6.1	0.80	S57 SF57 SA57 SAF57	4P	14	328	67.20	6.3	0.85			SF57	6P	15	305			94.08	6.6										0.95		17											276		84.00	6.8			1.05				19	240	71.75	7.1	1.15		21	226	67.20	7.2	1.20		25	217	54.59	7.3	1.25		29	189	47.32	7.4	1.30		31	178	44.22	7.5	1.35		36	155	38.23	7.6	1.40																																																																																																																																							
102	43	13.63	2.1	1.15				115	38	12.08	2.1	1.20		135	33	10.27			2.0	1.30		145			31	9.57	2.0	1.30				184	25	7.57	1.9	1.45				95	42	28.76			2.3	1.15	S37 SF37 SA37 SAF37	2P	5.4	777	256.47	14	1.45	S77			6P	108	38	25.38	2.2	1.20					122	34	22.50	2.2				1.25		143	29	19.13				2.0	1.30		145	30	18.85				2.0	1.30		166	26	16.48			1.9	1.35		177	25	15.45	1.9			1.35		201	22	13.63	1.9	1.45		227	20	12.08	1.7	1.50		267	17	10.27	1.7	1.60		286	16	9.57	1.6	1.60		362			13	7.57	1.6	1.75				0.75kW							0.75kW								0.63	7506	2208	40	0.85	S100R77 SF100R77 SA100R77 SAF100R77	4P	7.3	660	190.11	7.2	0.80	S67			6P	0.71	6628	1950	40	1.00					0.79	6015	1769	40	1.05					0.91	5170	1521	40		1.25				1.05	4513	1327	40	1.45		1.23		3827	1126	40	1.55		1.1	4323	1223	20	0.85	S97R57 SF97R57 SA97R57 SAF97R57	4P	13	350	71.75	6.1	0.80	S57			6P	1.3	3804	1070	29	1.00					1.5	3319	928	32	1.15					1.7	2965	824			33				1.30		1.9	2117		714	34	1.75				2.2	2280	626	34	1.70				2.6	1960	538	34	1.85		2.9	1789	484	34	1.95		13	354	110.73	6.1	0.80	S57 SF57 SA57 SAF57	4P	14	328	67.20	6.3			0.85	SF57	6P	15	305			94.08		6.6	0.95				17										276	84.00	6.8				1.05									19	240	71.75	7.1	1.15				21	226	67.20	7.2	1.20		25	217	54.59	7.3	1.25		29	189	47.32	7.4	1.30		31	178	44.22	7.5	1.35		36	155	38.23	7.6	1.40																																																																																																																																													
115	38	12.08	2.1	1.20				135	33	10.27	2.0	1.30		145	31	9.57			2.0	1.30		184			25	7.57	1.9	1.45				95	42	28.76	2.3	1.15			S37 SF37 SA37 SAF37	2P	5.4	777	256.47	14	1.45	S77			6P	108	38	25.38	2.2	1.20					122	34	22.50	2.2				1.25		143	29	19.13				2.0	1.30		145	30				18.85	2.0	1.30		166	26			16.48	1.9	1.35		177	25	15.45			1.9	1.35		201	22	13.63	1.9			1.45		227	20	12.08	1.7	1.50		267	17	10.27	1.7	1.60		286	16	9.57	1.6	1.60		362	13	7.57	1.6	1.75		0.75kW									0.75kW							0.63	7506	2208			40	0.85	S100R77 SF100R77 SA100R77 SAF100R77	4P	7.3	660	190.11	7.2	0.80			S67	6P	0.71	6628	1950	40				1.00		0.79	6015	1769				40	1.05		0.91	5170	1521				40	1.25		1.05	4513		1327	40	1.45		1.23	3827	1126	40	1.55		1.1	4323	1223	20	0.85	S97R57 SF97R57 SA97R57 SAF97R57	4P	13	350	71.75	6.1	0.80			S57	6P	1.3	3804	1070	29				1.00		1.5	3319	928				32	1.15		1.7	2965	824				33	1.30		1.9			2117				714	34	1.75		2.2	2280	626	34			1.70		2.6	1960	538	34	1.85				2.9	1789	484	34	1.95		13	354	110.73	6.1	0.80	S57 SF57 SA57 SAF57	4P	14	328	67.20			6.3	0.85	SF57	6P			15	305		94.08	6.6			0.95			17			276	84.00										6.8	1.05					19			240	71.75			7.1	1.15		21	226	67.20	7.2			1.20		25	217	54.59	7.3	1.25		29	189	47.32	7.4	1.30		31	178	44.22	7.5	1.35		36	155	38.23	7.6	1.40																																																																																																																																																		
135	33	10.27	2.0	1.30				145	31	9.57	2.0	1.30		184	25	7.57			1.9	1.45		95			42	28.76	2.3	1.15			S37 SF37 SA37 SAF37	2P	5.4	777	256.47	14	1.45	S77			6P	108	38	25.38	2.2	1.20					122	34	22.50	2.2				1.25		143	29	19.13				2.0	1.30		145	30				18.85	2.0	1.30		166	26			16.48	1.9	1.35		177	25			15.45	1.9	1.35		201	22	13.63			1.9	1.45		227	20	12.08	1.7			1.50		267	17	10.27	1.7	1.60		286	16	9.57	1.6	1.60		362	13	7.57	1.6	1.75		0.75kW									0.75kW							0.63	7506	2208			40	0.85	S100R77 SF100R77 SA100R77 SAF100R77	4P	7.3	660	190.11	7.2			0.80	S67	6P	0.71	6628			1950		40	1.00		0.79				6015	1769	40	1.05					0.91	5170	1521	40	1.25		1.05	4513		1327	40	1.45		1.23	3827	1126	40	1.55		1.1	4323	1223	20	0.85	S97R57 SF97R57 SA97R57 SAF97R57	4P	13	350	71.75	6.1			0.80	S57	6P	1.3	3804			1070		29	1.00		1.5				3319	928	32	1.15					1.7	2965	824	33	1.30					1.9	2117	714	34			1.75				2.2	2280	626	34	1.70		2.6	1960			538	34	1.85		2.9	1789	484			34	1.95		13	354	110.73	6.1	0.80	S57 SF57 SA57 SAF57	4P	14	328			67.20	6.3	0.85			SF57	6P	15				305	94.08		6.6	0.95					17	276			84.00	6.8										1.05		19			240	71.75	7.1	1.15		21			226	67.20	7.2	1.20		25	217			54.59	7.3	1.25		29	189	47.32	7.4	1.30		31	178	44.22	7.5	1.35		36	155	38.23	7.6	1.40																																																																																																																																																						
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95	42	28.76	2.3	1.15			S37 SF37 SA37 SAF37	2P	5.4	777	256.47	14	1.45	S77	6P																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
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122	34	22.50	2.2	1.25		143			29	19.13	2.0	1.30		145		30	18.85	2.0	1.30				166	26	16.48	1.9	1.35		177	25				15.45	1.9	1.35		201			22	13.63	1.9	1.45		227			20	12.08	1.7	1.50		267			17	10.27	1.7	1.60		286			16	9.57	1.6	1.60		362			13	7.57	1.6	1.75		0.75kW							0.75kW							0.63	7506	2208	40	0.85			S100R77 SF100R77 SA100R77 SAF100R77	4P	7.3	660	190.11	7.2	0.80			S67	6P	0.71	6628	1950			40	1.00		0.79	6015	1769		40	1.05		0.91	5170	1521	40	1.25		1.05	4513	1327	40	1.45		1.23	3827	1126	40	1.55		1.1			4323	1223	20	0.85	S97R57 SF97R57 SA97R57 SAF97R57	4P	13	350		71.75	6.1	0.80	S57	6P	1.3	3804	1070			29	1.00		1.5	3319	928		32	1.15		1.7	2965	824	33	1.30		1.9	2117	714	34	1.75		2.2	2280	626	34	1.70		2.6	1960	538	34	1.85		2.9			1789	484	34	1.95				13		354	110.73			6.1	0.80	S57 SF57 SA57 SAF57	4P	14			328	67.20	6.3	0.85	SF57	6P			15			305	94.08	6.6	0.95				17		276	84.00	6.8			1.05		19	240	71.75			7.1	1.15				21	226	67.20	7.2	1.20		25			217	54.59	7.3	1.25		29	189			47.32	7.4	1.30				31	178			44.22	7.5			1.35					36	155	38.23	7.6			1.40																																																																																																																																																																																																																								
143	29	19.13	2.0	1.30		145			30	18.85	2.0	1.30		166		26	16.48	1.9	1.35				177	25	15.45	1.9	1.35		201	22			13.63	1.9	1.45		227	20			12.08	1.7	1.50		267	17			10.27	1.7	1.60		286	16			9.57	1.6	1.60		362	13			7.57	1.6	1.75		0.75kW							0.75kW							0.63	7506	2208	40	0.85			S100R77 SF100R77 SA100R77 SAF100R77	4P	7.3	660	190.11	7.2	0.80					S67	6P	0.71	6628	1950	40	1.00			0.79	6015	1769			40	1.05		0.91	5170	1521		40	1.25		1.05	4513	1327	40	1.45		1.23	3827	1126	40	1.55		1.1	4323	1223	20	0.85	S97R57 SF97R57 SA97R57 SAF97R57	4P	13	350	71.75	6.1	0.80	S57			6P	1.3	3804	1070	29	1.00			1.5	3319	928			32	1.15		1.7	2965	824		33	1.30		1.9	2117	714	34	1.75		2.2	2280	626	34	1.70		2.6	1960	538	34	1.85		2.9	1789	484	34	1.95		13			354	110.73	6.1	0.80	S57 SF57 SA57 SAF57			4P	14	328	67.20			6.3	0.85			SF57			6P	15	305	94.08	6.6				0.95				17	276	84.00			6.8	1.05			19	240			71.75	7.1	1.15		21			226	67.20			7.2	1.20		25	217	54.59	7.3	1.25				29	189	47.32	7.4	1.30		31	178	44.22	7.5	1.35				36	155			38.23	7.6			1.40																																																																																																																																																																																																																																			
145	30	18.85	2.0	1.30		166			26	16.48	1.9	1.35		177		25	15.45	1.9	1.35				201	22	13.63	1.9	1.45		227	20			12.08	1.7	1.50		267	17			10.27	1.7	1.60		286	16			9.57	1.6	1.60		362	13			7.57	1.6	1.75		0.75kW							0.75kW							0.63	7506	2208	40	0.85			S100R77 SF100R77 SA100R77 SAF100R77	4P	7.3	660	190.11	7.2					0.80	S67	6P	0.71	6628	1950	40			1.00			0.79	6015	1769	40	1.05			0.91	5170			1521	40	1.25		1.05	4513		1327	40	1.45		1.23	3827	1126	40	1.55		1.1	4323	1223	20	0.85	S97R57 SF97R57 SA97R57 SAF97R57	4P	13	350	71.75			6.1	0.80	S57	6P	1.3	3804				1070	29	1.00		1.5	3319		928	32	1.15				1.7	2965	824	33	1.30			1.9	2117	714	34	1.75		2.2	2280	626	34	1.70		2.6	1960	538	34	1.85		2.9	1789	484	34	1.95		13	354	110.73			6.1	0.80	S57 SF57 SA57 SAF57	4P					14	328	67.20			6.3	0.85			SF57				6P	15	305	94.08				6.6			0.95		17	276			84.00	6.8		1.05		19			240	71.75	7.1	1.15				21	226			67.20	7.2	1.20		25	217	54.59	7.3	1.25		29	189	47.32	7.4	1.30		31	178	44.22	7.5	1.35				36	155	38.23			7.6	1.40																																																																																																																																																																																																																																						
166	26	16.48	1.9	1.35		177			25	15.45	1.9	1.35		201	22	13.63	1.9	1.45		227			20	12.08	1.7	1.50		267	17	10.27			1.7	1.60		286	16	9.57			1.6	1.60		362	13	7.57			1.6	1.75		0.75kW							0.75kW							0.63	7506	2208	40	0.85			S100R77 SF100R77 SA100R77 SAF100R77	4P	7.3	660	190.11	7.2	0.80					S67	6P	0.71	6628	1950	40			1.00			0.79	6015	1769	40			1.05			0.91	5170	1521	40	1.25			1.05	4513			1327	40	1.45		1.23	3827		1126	40	1.55		1.1	4323	1223	20	0.85	S97R57 SF97R57 SA97R57 SAF97R57	4P	13	350	71.75	6.1			0.80	S57	6P			1.3	3804	1070		29	1.00					1.5	3319	928	32	1.15			1.7	2965			824	33	1.30		1.9	2117		714	34	1.75		2.2	2280	626	34	1.70		2.6	1960	538	34	1.85		2.9	1789	484	34	1.95		13	354	110.73	6.1	0.80	S57 SF57 SA57 SAF57			4P	14							328	67.20	6.3			0.85	SF57			6P					15	305	94.08				6.6			0.95		17	276			84.00	6.8		1.05		19			240	71.75	7.1	1.15				21	226	67.20	7.2	1.20		25	217	54.59	7.3	1.25		29	189	47.32	7.4	1.30		31	178	44.22	7.5	1.35		36	155			38.23	7.6	1.40																																																																																																																																																																																																																																										
177	25	15.45	1.9	1.35		201			22	13.63	1.9	1.45		227	20	12.08	1.7	1.50		267			17	10.27	1.7	1.60		286	16	9.57			1.6	1.60		362	13	7.57			1.6	1.75		0.75kW							0.75kW							0.63	7506	2208	40	0.85			S100R77 SF100R77 SA100R77 SAF100R77	4P	7.3	660	190.11	7.2					0.80	S67	6P	0.71	6628	1950	40			1.00			0.79	6015	1769			40	1.05			0.91	5170	1521			40		1.25		1.05	4513	1327	40		1.45		1.23	3827	1126	40	1.55		1.1	4323	1223	20	0.85	S97R57 SF97R57 SA97R57 SAF97R57	4P	13	350	71.75	6.1	0.80	S57			6P	1.3	3804	1070			29	1.00					1.5	3319		928	32				1.15		1.7	2965	824	33		1.30		1.9			2117	714	34	1.75		2.2	2280	626	34	1.70		2.6	1960	538	34	1.85		2.9	1789	484	34	1.95		13	354	110.73	6.1	0.80	S57 SF57 SA57 SAF57	4P	14	328	67.20	6.3					0.85							SF57	6P	15			305	94.08								6.6	0.95					17			276	84.00	6.8	1.05				19	240	71.75	7.1	1.15				21	226	67.20	7.2	1.20		25	217	54.59	7.3	1.25		29	189	47.32	7.4	1.30		31	178	44.22	7.5	1.35		36	155	38.23	7.6	1.40																																																																																																																																																																																																																																																		
201	22	13.63	1.9	1.45		227			20	12.08	1.7	1.50		267	17	10.27	1.7	1.60		286			16	9.57	1.6	1.60		362	13	7.57			1.6	1.75		0.75kW							0.75kW							0.63	7506	2208	40	0.85			S100R77 SF100R77 SA100R77 SAF100R77	4P	7.3	660	190.11	7.2					0.80	S67	6P	0.71	6628	1950			40	1.00			0.79	6015	1769			40		1.05		0.91	5170			1521	40		1.25		1.05	4513	1327	40	1.45			1.23	3827	1126	40	1.55		1.1	4323	1223	20	0.85	S97R57 SF97R57 SA97R57 SAF97R57	4P	13	350	71.75	6.1	0.80	S57			6P	1.3	3804	1070	29	1.00					1.5	3319			928	32				1.15		1.7		2965	824				33	1.30		1.9	2117	714	34	1.75		2.2			2280	626	34	1.70		2.6	1960	538	34	1.85		2.9	1789	484	34	1.95		13	354	110.73	6.1	0.80	S57 SF57 SA57 SAF57	4P	14	328	67.20	6.3			0.85	SF57	6P	15					305							94.08		6.6			0.95									17	276	84.00	6.8			1.05				19	240	71.75			7.1	1.15		21	226	67.20	7.2	1.20		25	217	54.59	7.3	1.25		29	189	47.32	7.4	1.30		31	178	44.22	7.5	1.35		36	155	38.23	7.6	1.40																																																																																																																																																																																																																																																								
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267	17	10.27	1.7	1.60		286			16	9.57	1.6	1.60		362	13	7.57	1.6	1.75		0.75kW							0.75kW							0.63	7506	2208	40	0.85			S100R77 SF100R77 SA100R77 SAF100R77	4P	7.3	660	190.11	7.2					0.80	S67	6P	0.71	6628	1950			40	1.00			0.79	6015			1769	40		1.05		0.91			5170	1521		40	1.25		1.05	4513	1327	40		1.45		1.23	3827	1126	40	1.55		1.1	4323	1223	20	0.85	S97R57 SF97R57 SA97R57 SAF97R57	4P	13	350	71.75	6.1	0.80	S57			6P	1.3	3804	1070	29	1.00					1.5	3319	928	32				1.15		1.7	2965	824				33	1.30				1.9	2117				714	34	1.75		2.2	2280			626	34	1.70		2.6	1960	538	34	1.85		2.9			1789	484	34	1.95		13	354	110.73	6.1	0.80	S57 SF57 SA57 SAF57	4P	14	328	67.20	6.3			0.85	SF57	6P	15			305	94.08		6.6			0.95			17					276							84.00		6.8			1.05							19	240	71.75	7.1	1.15		21	226	67.20			7.2	1.20		25	217	54.59	7.3	1.25		29	189	47.32	7.4	1.30		31	178	44.22	7.5	1.35		36	155	38.23	7.6	1.40																																																																																																																																																																																																																																																																				
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1.9	2117	714	34	1.75				2.2	2280	626	34	1.70			2.6	1960	538	34	1.85				2.9	1789	484			34	1.95		13			354	110.73	6.1	0.80	S57 SF57 SA57 SAF57	4P	14	328			67.20	6.3			0.85	SF57	6P	15	305			94.08		6.6	0.95				17		276	84.00	6.8	1.05			19	240	71.75	7.1	1.15		21	226	67.20	7.2	1.20		25	217	54.59			7.3			1.25				29			189	47.32			7.4	1.30				31	178	44.22	7.5	1.35		36	155	38.23	7.6	1.40																																																																																																																																																																																																																																																																																																																																																																																																																		
2.2	2280	626	34	1.70				2.6	1960	538	34	1.85		2.9	1789	484	34	1.95				13	354	110.73	6.1			0.80	S57 SF57 SA57 SAF57	4P	14			328	67.20	6.3	0.85			SF57	6P			15	305			94.08	6.6		0.95				17		276	84.00	6.8			1.05			19	240	71.75		7.1	1.15		21	226	67.20	7.2	1.20		25	217	54.59	7.3	1.25		29			189			47.32			7.4	1.30				31	178	44.22	7.5	1.35				36	155	38.23	7.6	1.40																																																																																																																																																																																																																																																																																																																																																																																																																								
2.6	1960	538	34	1.85				2.9	1789	484	34	1.95		13	354	110.73	6.1	0.80	S57 SF57 SA57 SAF57			4P	14	328	67.20			6.3			0.85			SF57	6P	15	305			94.08				6.6	0.95				17		276	84.00			6.8		1.05		19			240		71.75	7.1	1.15		21	226	67.20	7.2	1.20		25	217	54.59	7.3	1.25		29	189	47.32	7.4	1.30						31			178	44.22	7.5	1.35		36	155	38.23	7.6	1.40																																																																																																																																																																																																																																																																																																																																																																																																																																
2.9	1789	484	34	1.95																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
13	354	110.73	6.1	0.80			S57 SF57 SA57 SAF57	4P	14	328	67.20	6.3	0.85	SF57	6P																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
15	305	94.08	6.6	0.95						17	276	84.00	6.8	1.05			19	240					71.75	7.1	1.15						21			226		67.20	7.2			1.20					25			217	54.59	7.3	1.25				29	189	47.32	7.4	1.30				31	178	44.22	7.5	1.35		36	155	38.23	7.6	1.40																																																																																																																																																																																																																																																																																																																																																																																																																																																													
17	276	84.00	6.8	1.05						19	240	71.75	7.1	1.15			21	226					67.20	7.2	1.20						25			217		54.59	7.3			1.25		29	189	47.32	7.4			1.30		31	178	44.22			7.5	1.35		36	155			38.23	7.6	1.40																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
19	240	71.75	7.1	1.15						21	226	67.20	7.2	1.20			25	217					54.59	7.3	1.25						29	189	47.32	7.4	1.30		31			178	44.22	7.5	1.35		36			155	38.23	7.6	1.40																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
21	226	67.20	7.2	1.20						25	217	54.59	7.3	1.25			29	189					47.32	7.4	1.30		31	178			44.22	7.5	1.35		36	155	38.23			7.6	1.40																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
25	217	54.59	7.3	1.25						29	189	47.32	7.4	1.30		31	178	44.22		7.5	1.35			36	155	38.23	7.6	1.40																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										
29	189	47.32	7.4	1.30						31	178	44.22	7.5	1.35		36	155	38.23		7.6	1.40																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
31	178	44.22	7.5	1.35		36			155	38.23	7.6	1.40																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										
36	155	38.23	7.6	1.40																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		

**Selection Table
(Constant Power)**

n_a [r/min]	M_a [Nm]	i	F_{ra} [kN]	f_B	Type size	Pole	n_a [r/min]	M_a [Nm]	i	F_{ra} [kN]	f_B	Type size	Pole
0.75kW							1.1kW						
43	133	32.48	7.3	1.50			2.5	2517	271.63	40	1.90	S100	
48	120	29.00	7.1	1.55			3.0	2167	229.96	38	2.00	SF100	8P
56	103	24.77	6.8	1.65	S57		3.2	2008	212.81	37	2.10	SA100	
60	97	23.20	6.7	1.70	SF57		3.6	1806	190.74	36	2.20	SAF100	
71	82	19.54	6.2	1.80	SA57	4P	2.4	2706	286.40	33	1.40	S97	
78	78	17.80	5.9	1.85	SAF57		2.6	2507	262.22	33	1.50	SF97	8P
92	67	15.12	5.9	2.00			3.0	2241	231.67	34	1.70	SA97	
103	60	13.50	5.6	2.05			3.5	1924	196.52	34	1.80	SAF97	
29	188	47.32	4.3	0.80								S97	
31	175	44.22	4.3	0.85			3.2	2070	286.40	34	1.75	SF97	6P
36	156	38.23	4.2	1.00			3.5	1918	262.22	34	1.80	SA97	
43	133	32.48	4.1	1.10			3.9	1715	231.67	34	1.90	SAF97	
48	120	29.00	4.0	1.15			3.2	1896	288.00	27	1.10	S87	
56	104	24.77	3.9	1.20			3.5	1723	258.00	27	1.20	SF87	6P
60	97	23.20	3.9	1.25	S47		4.1	1504	222.40	27	1.35	SA87	
71	82	19.54	3.4	1.30	SF47	4P	4.5	1392	202.96	28	1.45	SAF87	
78	78	17.80	3.4	1.40	SA47		4.9	1302	288.00	28	1.55		
92	66	15.12	3.3	1.50	SAF47		5.4	1167	258.18	28	1.65	S87	
103	60	13.50	3.2	1.55			6.3	1020	222.40	28	1.75	SF87	4P
121	51	11.53	3.1	1.65			6.9	944	202.96	28	1.80	SA87	
129	48	10.80	3.1	1.70			7.8	850	180.00	28	1.90	SAF87	
153	41	9.10	3.0	1.80			9.3	731	151.30	28	2.00		
173	36	8.04	2.9	1.85			6.2	1008	225.26	12	1.10		
73	75	19.13	2.2	0.85			6.5	958	214.00	13	1.15		
102	59	13.63	1.9	0.85	S37		7.4	859	189.09	13	1.35		
115	52	12.08	1.8	0.95	SF37	4P	8.7	745	161.60	14	1.45	S77	
135	45	10.27	1.8	1.00	SA37		9.4	693	148.15	14	1.50	SF77	4P
145	42	9.57	1.8	1.10	SAF37		11	617	130.00	15	1.60	SA77	
184	34	7.57	1.8	1.25			11	590	123.20	15	1.60	SAF77	
148	39	19.13	2.0	1.10			13	525	107.83	15	1.70		
208	30	13.63	1.7	1.25	S37	2P	14	477	97.14	15	1.75		
234	27	12.08	1.7	1.30	SF37		16	425	85.22	15	1.85		
276	23	10.27	1.7	1.35	SA37		12	572	121.33	7.4	0.85		
296	21	9.57	1.6	1.40	SAF37		13	510	106.75	8.1	0.95		
374	17	7.57	1.6	1.50			14	486	100.80	8.3	1.00		
1.1kW							16	420	85.83	8.8	1.15		
0.9	7529	1521	40	0.85			18	385	78.00	9.1	1.30	S67	
1.1	6571	1327	40	1.00	S100R77		21	383	65.63	9.1	1.30	SF67	4P
1.2	5574	1126	40	1.15	SF100R77		22	367	62.35	9.2	1.30	SA67	
1.4	4872	984	40	1.35	SA100R77	4P	26	324	54.70	9.1	1.40	SAF67	
1.6	4275	864	40	1.45	SAF100R77		30	277	46.40	8.8	1.45		
1.7	4018	812	40	1.50			33	252	41.89	8.6	1.55		
2.0	3408	688	40	1.60			38	223	36.85	8.3	1.60		
1.7	4317	824	22	0.95			40	210	34.80	8.2	1.65		
2.0	3082	714	33	1.35	S97R57		47	181	29.63	7.9	1.75		
2.2	3320	626	32	1.25	SF97R57	4P	20	349	71.75	6.2	1.00		
2.6	2854	538	33	1.45	SA97R57		21	330	67.20	6.4	1.00		
2.9	2605	484	33	1.60	SAF97R57		25	282	56.61	6.8	1.05		
3.3	2260	420	34	1.70			30	275	47.32	6.9	1.10		
2.2	2635	624	24	0.95			32	259	44.22	7.0	1.10		
2.5	2356	558	26	1.10			37	226	38.23	7.0	1.20		
2.9	1840	485	27	1.35			43	194	32.48	6.8	1.25	S57	
3.2	1887	435	27	1.35	S87R57	4P	48	174	29.00	6.7	1.30	SF57	
3.7	1639	378	27	1.45	SF87R57		57	150	24.77	6.4	1.40	SA57	4P
4.3	1303	323	28	1.60	SA87R57		60	141	23.20	6.3	1.40	SAF57	
5.0	1134	281	28	1.45	SAF87R57		72	120	19.54	6.1	1.50		
5.5	1540	255	28	1.45			79	114	17.80	5.6	1.55		
6.3	1349	222	28	1.55			93	97	15.12	5.5	1.65		
6.8	1254	205	28	1.60			104	87	13.50	5.3	1.70		
					S77R37		121	75	11.53	5.1	1.80		
6.4	1228	219	11	1.05	SF77R37	4P	130	70	10.80	5.0	1.85		
					SA77R37		154	60	9.10	4.8	2.00		
					SAF77R37								

Selection Table
(Constant Power)

n_a [r/min]	Ma [Nm]	i	F_{ra} [kN]	f_B	Type size	Pole	n_a [r/min]	Ma [Nm]	i	F_{ra} [kN]	f_B	Type size	Pole
1.1kW							1.5kW						
48	175	29.00	3.5	0.95			3.6	2323	258.18	25	0.90	S87	
57	151	24.77	3.5	1.00			4.2	2029	222.40	26	1.00	SF87	6P
60	141	23.20	3.5	1.05			4.6	1877	202.96	27	1.10	SA87	
72	120	19.54	3.4	1.10	S47		5.2	1689	180.00	27	1.20	SAF87	
79	113	17.80	2.9	1.15	SF47		4.9	1775	288.00	27	1.10		
93	97	15.12	2.9	1.25	SA47	4P	5.4	1592	258.18	27	1.20		
104	87	13.50	2.9	1.30	SAF47		6.3	1391	222.40	28	1.40		
121	75	11.53	2.8	1.35			6.9	1287	202.96	28	1.55	S87	
130	70	10.80	2.8	1.40			7.8	1159	180.00	28	1.60	SF87	4P
154	59	9.10	2.7	1.45			9.3	996	151.30	28	1.75	SA87	
174	53	8.04	2.7	1.55			10	923	139.05	28	1.80	SAF87	
					S37		11	826	123.48	28	1.85		
185	49	7.57	1.5	0.85	SF37	4P	13	751	110.40	28	1.95		
					SA37		14	686	99.26	28	2.00		
					SAF37		7.4	1171	189.09	10	1.10		
208	44	13.63	1.5	0.85			8.7	1016	161.60	12	1.15		
234	39	12.08	1.5	0.90	S37		9.4	945	148.15	13	1.30		
276	33	10.27	1.5	1.00	SF37	2P	11	842	130.00	13	1.35		
296	31	9.57	1.5	1.05	SA37		11	804	123.20	14	1.40		
374	25	7.57	1.4	1.25	SAF37		13	715	107.83	14	1.45		
1.5kW							14	650	97.14	15	1.50	S77	
1.2	7600	1126	40	0.85			16	580	85.22	15	1.60	SF77	4P
1.4	6643	984	40	1.00	S100R77		19	608	75.09	13	1.50	SA77	
1.6	5830	864	40	1.10	SF100R77	4P	20	581	71.33	13	1.55	SAF77	
1.7	5479	812	40	1.20	SA100R77		21	468	66.67	14	1.70		
2.0	4647	688	40	1.40	SAF100R77		22	514	63.03	13	1.65		
2.3	4062	602	40	1.50			25	413	56.92	13	1.80		
2.0	4203	714	28	0.90			26	445	53.87	13	1.75		
2.2	4528	626	18	0.85	S97R57		28	408	49.38	12	1.80		
2.6	3891	538	30	1.00	SF97R57	4P	32	362	43.33	12	1.90		
2.9	3552	484	32	1.10	SA97R57		16	573	85.83	7.5	0.85		
3.3	3082	420	33	1.25	SAF97R57		18	525	78.00	8.0	0.95		
3.7	2786	376	33	1.40			21	523	65.63	8.1	0.95		
4.3	2435	327	34	1.65			22	500	62.35	8.3	0.95		
2.9	2792	485	16	0.80			26	442	54.70	8.4	1.05	S67	
3.2	2573	435	25	0.90			30	378	46.40	8.2	1.25	SF67	4P
3.7	2235	378	26	1.00	S87R57		33	344	41.89	8.0	1.30	SA67	
4.3	1777	323	27	1.15	SF87R57	4P	38	304	36.85	7.8	1.40	SAF67	
5.0	2315	281	27	1.10	SA87R57		40	286	34.80	7.8	1.40		
5.5	1993	255	27	1.25	SAF87R57		47	247	29.63	7.5	1.50		
6.3	1735	222	27	1.35			52	225	26.93	7.4	1.55		
6.8	1637	205	28	1.40			58	209	24.00	6.7	1.60		
2.5	3482	271.63	40	1.60	S100		65	189	21.67	6.6	1.70		
3.0	2999	229.96	38	1.70	SF100	8P	73	166	19.06	6.5	1.75	S67	
3.2	2778	212.81	37	1.75	SA100		78	158	18.00	6.3	1.80	SF67	4P
					SAF100		91	135	15.33	6.1	1.90	SA67	
3.5	2571	271.63	36	1.85	S100		101	124	13.93	5.9	1.95	SAF67	
4.1	2182	229.96	34	2.00	SF100	6P	43	265	32.48	6.3	0.90		
4.4	2031	212.81	34	2.05	SA100		48	238	29.00	6.2	1.00		
4.9	1842	190.74	32	2.15	SAF100		57	205	24.77	6.0	1.15		
2.4	3637	286.40	31	1.05	S97		60	193	23.20	6.0	1.25	S57	
2.6	3369	262.22	32	1.15	SF97	8P	72	164	19.54	5.8	1.30	SF57	4P
2.9	3012	231.67	33	1.25	SA97		79	155	17.80	5.2	1.35	SA57	
3.5	2585	196.52	33	1.45	SAF97		93	132	15.12	5.1	1.40	SAF57	
3.3	2792	286.40	33	1.35	S97		104	119	13.50	5.0	1.45		
3.6	2587	262.22	33	1.45	SF97	6P	121	102	11.53	4.8	1.55		
4.1	2314	231.67	34	1.65	SA97		130	96	10.80	4.7	1.60		
4.8	1987	196.52	34	1.75	SAF97		154	82	9.10	4.6	1.70		
4.9	1903	286.40	34	1.80	S97		104	118	13.50	2.5	0.85	S47	
5.3	1764	262.22	34	1.85	SF97	4P	121	102	11.53	2.5	1.00	SF47	
6.0	1578	231.67	35	1.95	SA97		130	95	10.80	2.5	1.10	SA47	4P
7.1	1356	196.52	35	2.10	SAF97		154	81	9.10	2.5	1.25	SAF47	
							174	72	8.04	2.4	1.30		

Selection Table
(Constant Power)

n_a [r/min]	M_a [Nm]	i	F_{ra} [kN]	f_B	Type size	Pole	n_a [r/min]	M_a [Nm]	i	F_{ra} [kN]	f_B	Type size	Pole		
1.5kW							2.2kW								
297	43	9.57	1.3	0.85	S37	2P	21	683	66.67	13	1.40		4P		
					SF37			23	743	63.03	12	1.35		S77	
					SA37			25	598	56.92	12	1.50		SF77	
375	34	7.57	1.3	0.90	SAF37			27	644	53.87	11	1.45		SA77	
2.2kW							2.2kW								
2.1	6672	688	40	1.00	S100R77	4P	29	594	49.38	11	1.50	SAF77	4P		
2.4	5832	602	40	1.10	SF100R77			33	523	43.33	11	1.55			
2.6	5274	544	40	1.25	SA100R77			35	496	41.07	11	1.60			
3.0	4610	476	40	1.40	SAF100R77			40	437	35.94	11	1.65		S77	
3.5	4656	409	40	1.40				44	397	32.38	10	1.75		SF77	
3.4	4457	420	18	0.90	S97R57	4P	50	351	28.41	10	1.80	SA77	4P		
3.8	4028	376	27	1.00	SF97R57			57	312	25.07	10	1.90		SAF77	
4.4	3522	327	32	1.20	SA97R57			60	303	23.87	9.0	1.95			
5.0	3124	287	33	1.35	SAF97R57			68	267	20.89	8.9	2.05			
5.7	2772	252	33	1.50				31	546	46.40	7.1	0.95			
3.5	3771	271.63	35	1.50	S100	6P	34	497	41.89	7.1	1.05		4P		
4.1	3200	229.96	33	1.65	SA100			39	439	36.85	7.0	1.15			
4.4	2979	212.81	33	1.70	SAF100			41	413	34.80	7.0	1.20			
4.9	2701	190.74	32	1.75	SF100			48	357	29.63	6.8	1.25			
5.3	2543	271.63	31	1.80		4P	53	327	26.93	6.7	1.30		4P		
6.2	2205	229.96	30	1.95	S100			61	286	23.33	6.6	1.35		S67	
6.7	2066	212.81	29	2.00	SF100			66	274	21.67	5.8	1.40		SF67	
7.5	1874	190.74	28	2.10	SA100			75	242	19.06	5.7	1.45		SA67	
8.3	1713	172.20	27	2.15	SAF100			79	229	18.00	5.7	1.50		SAF67	
9.1	1576	156.41	26	2.20		6P	93	196	15.33	5.6	1.60		4P		
3.3	4056	286.40	29	1.00	S97			103	179	13.93	5.5	1.65			
3.6	3759	262.22	31	1.30	SF97			118	156	12.07	5.4	1.70			
4.1	3321	231.67	32	1.35	SA97			136	137	10.50	5.3	1.80			
4.8	2852	196.52	33	1.45	SAF97			156	120	9.17	5.2	1.90			
5.0	2786	286.40	33	1.45		4P	184	103	7.79	5.0	2.00		4P		
5.5	2551	262.22	33	1.55				106	172	13.50	4.4	1.00		S57	
6.2	2282	231.67	34	1.65				124	148	11.53	4.4	1.15		SF57	
7.3	1986	196.52	34	1.75	S97			132	139	10.80	4.3	1.20		SA57	
7.9	1828	180.95	34	1.80	SF97			157	118	9.10	4.2	1.40		SAF57	
8.8	1657	161.74	34	1.85	SA97	4P	178	105	8.04	4.2	1.45		4P		
9.8	1502	145.60	35	1.95	SAF97			3.0kW							
11	1370	131.85	35	2.05				2.6	7192	544	40	0.90		S100R77	4p
12	1231	116.92	35	2.10				3.0	6286	476	40	1.05		SF100R77	
14	1128	105.71	35	2.20				3.5	6349	409	40	1.05		SA100R77	
16	976	89.60	35	2.35			4.1	5458	352	40	1.20	SAF100R77			
							4.7	4764	307	40	1.35				
5.5	2301	258.18	25	1.00		4P	5.0	4260	287	23	1.00	S97R57	4P		
6.4	2040	222.40	26	1.10				5.7	3780	252	31	1.10		SF97R57	
7.0	1862	202.96	27	1.25				6.5	3285	219	32	1.30		SA97R57	
7.9	1675	180.00	27	1.35				7.0	3075	205	33	1.35		SAF97R57	
9.5	1441	151.30	27	1.45				3.5	5047	271.63	33	1.30		S100	
10	1335	139.05	28	1.50	S87	4P	4.2	4297	229.96	32	1.40	SF100	6P		
12	1205	123.48	28	1.55	SF87			4.5	3986	212.81	31	1.45		SA100	
13	1086	110.40	28	1.60	SA87			5.0	3606	190.74	30	1.50		SAF100	
14	992	99.26	28	1.70	SAF87			5.3	3468	271.63	30	1.55			
17	874	86.15	28	1.75				6.2	3007	229.96	29	1.65		S100	
17	980	81.76	28	1.65		4P	6.7	2817	212.81	28	1.70	SF100	4P		
19	802	77.14	28	1.80				7.5	2556	190.74	27	1.75		SA100	
20	850	70.43	28	1.75				8.3	2336	172.20	26	1.85		SAF100	
22	780	64.27	28	1.80				9.1	2149	156.41	26	1.90			
25	696	57.00	28	1.90				5.0	3799	286.40	31	1.05			
11	1227	130.00	6	1.00		4P	5.5	3478	262.22	32	1.15	S97	4P		
12	1163	123.20	11	1.05	S77			6.2	3111	231.67	32	1.30		SF97	
13	1035	107.83	12	1.20	SF77			7.3	2708	196.52	33	1.45		SA97	
15	940	97.14	13	1.25	SA77			7.9	2493	180.95	33	1.55		SAF97	
17	838	85.22	13	1.30	SAF77			8.8	2259	161.74	34	1.60			
19	751	75.20	13	1.35				9.8	2048	145.60	34	1.65			

Selection Table
(Constant Power)

n_a [r/min]	Ma [Nm]	i	F_{ra} [kN]	f_B	Type size	Pole	n_a [r/min]	Ma [Nm]	i	F_{ra} [kN]	f_B	Type size	Pole
3.0kW							4.0kW						
11	1868	131.85	34	1.75	S97	4P	6.6	4320	219	21	0.95	S97R57	4P
12	1679	116.92	34	1.80	SF97		7.0	4043	205	26	1.05	SF97R57	
14	1539	105.71	35	1.90	SA97		3.5	6729	271.63	31	1.00	S100	
16	1331	89.60	35	2.00	SAF97		4.2	5730	229.96	30	1.15	SF100	
18	1333	80.85	35	2.00			4.5	5315	212.81	30	1.20	SA100	
7.9	2285	180.00	26	1.00		4P	5.0	4809	190.74	29	1.30	SAF100	6P
9.5	1965	151.30	27	1.15			5.3	4592	271.63	29	1.35		
10	1820	139.05	27	1.25			6.3	3981	229.96	28	1.45		
12	1643	123.48	27	1.30			6.8	3730	212.81	27	1.50		
13	1481	110.40	27	1.40			7.5	3384	190.74	26	1.55		
14	1352	99.26	28	1.45	S87		8.4	3093	172.20	26	1.60	S100	4P
17	1192	86.15	28	1.50	SF87		9.2	2845	156.41	25	1.65	SF100	
17	1336	81.76	28	1.40	SA87		10	2557	138.77	24	1.75	SA100	
19	1094	77.14	28	1.55	SAF87		11	2350	125.93	23	1.80	SAF100	
20	1158	70.43	28	1.50			13	2060	108.24	22	1.90		
22	1064	64.27	28	1.55			15	1783	94.48	21	2.00		
25	950	57.00	28	1.65			18	1711	80.13	21	2.10		
30	801	47.91	28	1.75			21	1552	70.04	20	2.20		
32	739	44.03	28	1.80		22	1409	65.10	19	2.25			
37	660	39.10	28	1.90		6.2	4091	231.67	27	1.00			
41	594	34.96	28	1.95		7.3	3560	196.52	32	1.10			
17	1143	85.22	11	1.05		8.0	3300	180.95	32	1.20			
19	1039	75.20	12	1.15		8.9	2971	161.74	33	1.35			
21	937	66.67	12	1.20		9.9	2693	145.60	33	1.45	S97	4P	
23	1027	63.03	10	1.15	S77	11	2456	131.85	34	1.50	SF97		
25	815	56.92	11	1.30	SF77	12	2208	116.92	34	1.60	SA97		
27	878	53.87	10	1.25	SA77	14	2023	105.71	34	1.65	SAF97		
29	810	49.38	10	1.25	SAF77	16	1751	89.60	34	1.75			
33	713	43.33	10	1.35		18	1753	80.85	34	1.75			
35	676	41.07	10	1.35		20	1568	71.43	35	1.85			
40	596	35.94	10	1.45		24	1335	60.59	35	1.95			
44	541	32.38	10	1.50		26	1233	55.79	35	2.00			
50	478	28.41	10	1.55		12	2160	123.48	26	0.95			
57	425	25.07	9.3	1.65		13	1947	110.40	27	1.00			
60	414	23.87	8.2	1.65	S77	15	1778	99.26	27	1.10			
68	364	20.89	8.2	1.75	SF77	17	1580	86.15	27	1.20			
76	329	18.82	8.0	1.80	SA77	18	1757	81.76	27	0.90			
87	291	16.51	8.0	1.90	SAF77	19	1438	77.14	28	1.25			
98	258	14.57	7.8	2.00		20	1523	70.43	27	1.05	S87	4P	
111	231	12.92	7.7	2.10		22	1399	64.27	28	1.14	SF87		
130	198	11.03	7.5	2.20		25	1249	57.00	28	1.30	SA87		
148	175	9.69	7.3	2.30		30	1053	47.91	28	1.50	SAF87		
41	564	34.80	6.0	0.85		33	971	44.03	28	1.55			
48	487	29.63	6.0	1.00		37	868	39.10	28	1.65			
53	446	26.93	6.0	1.10		41	782	34.96	28	1.70			
61	390	23.33	6.0	1.15		46	707	31.43	28	1.80			
66	373	21.67	5.2	1.20	S67	53	618	27.28	27	1.85			
75	330	19.06	5.0	1.25	SF67	60	551	23.92	25	1.95			
79	312	18.00	5.0	1.30	SA67	25	1072	56.92	10	0.90			
93	268	15.33	5.0	1.35	SAF67	27	1154	53.87	8.8	0.95			
103	244	13.93	4.9	1.40		29	1065	49.38	8.9	1.05			
118	213	12.07	4.9	1.50		33	938	43.33	8.9	1.15	S77	4P	
136	187	10.50	4.8	1.55		35	892	41.07	8.9	1.20	SF77		
156	164	9.17	4.7	1.65		40	784	35.94	8.9	1.25	SA77		
184	140	7.79	4.6	1.75		44	712	32.38	8.8	1.30	SAF77		
					S57	51	629	28.41	8.7	1.35			
132	190	10.80	3.8	0.90	SF57	57	559	25.07	8.6	1.40			
157	161	9.10	3.8	1.00	SA57	60	539	23.87	7.3	1.30			
178	143	8.04	3.8	1.20	SAF57								

**Selection Table
(Constant Power)**

n_a [r/min]	M_a [Nm]	i	F_{ra} [kN]	f_B	Type size	Pole	n_a [r/min]	M_a [Nm]	i	F_{ra} [kN]	f_B	Type size	Pole	
4.0kW							5.5kW							
69	475	20.89	7.3	1.55			35	1227	41.07	7.2	0.90			
77	429	18.82	7.2	1.60			40	1078	35.94	7.4	1.05			
87	378	16.51	7.2	1.65	S77		44	978	32.38	7.5	1.10			
99	336	14.57	7.1	1.75	SF77	4P	51	865	28.41	7.5	1.15			
111	299	12.92	7.0	1.85	SA77		57	768	25.07	7.5	1.20			
131	246	11.03	6.8	2.00	SAF77		60	748	23.87	7.5	1.25	S77	4P	
149	228	9.69	6.7	2.00			69	658	20.89	7.5	1.30	SF77		
179	191	8.06	6.5	2.15		77	596	18.82	5.6	1.35	SA77			
						87	526	16.51	5.9	1.40	SAF77			
80	411	18.00	3.6	0.80			99	468	14.57	6.2	1.50			
94	352	15.33	4.0	0.95	S67		111	417	12.92	6.2	1.55			
103	321	13.93	4.3	1.05	SF67	4P	131	358	11.03	6.1	1.65			
119	280	12.07	4.3	1.20	SA67		149	316	9.69	6.1	1.70			
137	246	10.50	4.3	1.35	SAF67		179	265	8.06	6.0	1.85			
157	216	9.17	4.3	1.40			119	385	12.07	2.8	0.90	S67		
185	184	7.79	4.2	1.50		137	338	10.50	2.8	1.00	SF67	4P		
5.5kW							7.5kW							
5.3	6314	271.63	27	1.00			6.3	7465	229.96	24	0.85			
6.3	5474	229.96	26	1.20			6.8	6993	212.81	24	0.90			
6.8	5128	212.81	26	1.25			7.5	6345	190.74	23	1.00			
7.5	4653	190.74	25	1.30			8.4	5800	172.20	23	1.10			
8.4	4253	172.20	24	1.35			9.2	5335	156.41	22	1.20			
9.2	3912	156.41	24	1.40			10	4794	138.77	22	1.25			
10	3515	138.77	23	1.45			11	4407	125.93	21	1.30	S100	4P	
11	3231	125.93	23	1.55	S100	13	3863	108.24	21	1.40	SF100			
13	2833	108.24	22	1.60	SF100	15	3306	94.48	20	1.50	SA100			
15	2424	94.48	21	1.70	SA100	18	3207	80.13	19	1.55	SAF100			
18	2352	80.13	20	1.80	SAF100		21	2909	70.04	19	1.60			
21	2133	70.04	20	1.85			22	2641	65.10	18	1.65			
22	1937	65.10	19	1.90			24	2408	59.13	18	1.70			
24	1766	59.13	18	2.00			27	2159	52.46	17	1.80			
27	1583	52.46	18	2.10			30	1974	47.61	17	1.85			
30	1447	47.61	17	2.15			35	1721	40.92	16	1.95			
35	1262	40.92	17	2.30			40	1503	35.72	15	2.00			
8.9	4084	161.74	28	0.95			48	1284	30.29	15	2.20			
9.9	3703	145.60	31	1.00			14	3741	105.71	31	0.90			
11	3376	131.85	32	1.10			16	3260	89.60	32	1.00			
12	3035	116.92	33	1.15			18	2908	78.26	33	1.10	S97	4P	
14	2782	105.71	33	1.25			20	2900	71.43	33	1.15	SF97		
16	2407	89.60	34	1.35	S97		22	2468	65.45	34	1.20	SA97		
18	2147	78.26	34	1.45	SF97		24	2468	60.59	34	1.35	SAF97		
20	2156	71.43	34	1.55	SA97		26	2280	55.79	34	1.45			
22	1830	65.45	34	1.65	SAF97		29	2052	49.87	34	1.55			
24	1835	60.59	34	1.65			32	1853	44.89	34	1.60			
26	1695	55.79	34	1.70			35	1689	40.65	34	1.65			
29	1526	49.87	35	1.80			40	1508	36.05	34	1.75	S97	4P	
32	1378	44.89	35	1.85			44	1372	32.60	34	1.80	SF97		
35	1256	40.65	35	1.95			52	1179	27.63	30	1.90	SA97		
19	1978	77.14	27	0.90			64	980	22.65	30	2.15	SAF97		
23	1688	64.00	27	0.95			70	891	20.48	29	2.25			
25	1717	57.00	27	0.95			83	759	17.36	29	2.40			
30	1448	47.91	28	1.10			95	667	15.16	29	2.50			
33	1335	44.03	28	1.20			33	1796	44.03	26	0.90			
37	1194	39.10	28	1.35			37	1606	39.10	26	1.00			
41	1075	34.96	27	1.50			41	1445	34.96	26	1.10	S87	4P	
46	972	31.43	27	1.55	S87		46	1308	31.43	25	1.20	SF87		
53	850	27.28	26	1.60	SF87		53	1147	27.28	25	1.40	SA87		
60	758	23.92	24	1.70	SA87		60	1019	23.92	22	1.45	SAF87		
67	681	21.39	23	1.75	SAF87		67	916	21.39	22	1.50			
75	616	19.23	23	1.80			75	828	19.23	22	1.60			
86	539	16.69	22	1.90			86	724	16.69	21	1.65			
96	485	14.95	22	2.00										
116	405	12.40	21	2.10										
134	354	10.78	20	2.25										

Selection Table
(Constant Power)

n_a [r/min]	M_a [Nm]	i	F_{ra} [kN]	f_B	Type size	Pole	n_a [r/min]	M_a [Nm]	i	F_{ra} [kN]	f_B	Type size	Pole
7.5kW							15.0kW						
96	652	14.95	21	1.75	S87	4P	33	3707	44.89	30	0.90	S97 SF97 SA97 SAF97	4P
116	544	12.40	20	1.85	SF87		36	3378	40.65	30	1.00		
134	476	10.78	19	1.95	SA87		40	3016	36.05	29	1.10		
163	391	8.81	19	2.05	SAF87		45	2745	32.60	29	1.15		
51	1163	28.41	5.9	0.90	S77 SF77 SA77 SAF77	4P	53	2357	27.63	25	1.35		
57	1033	25.07	6.1	1.00			64	1961	22.65	25	1.55		
60	1006	23.87	6.2	0.80			71	1783	20.48	25	1.60		
69	885	20.89	6.3	0.80			84	1518	17.36	24	1.70		
77	802	18.82	1.8	0.90			96	1334	15.16	24	1.75		
87	707	16.51	2.2	1.00			115	1122	12.68	24	1.90		
99	629	14.57	3.1	1.15			133	974	10.98	23	2.00		
111	561	12.92	3.7	1.25			159	818	9.19	22	2.15		
131	482	11.03	4.9	1.40			98	1304	14.95	17	0.95		
149	425	9.69	5.3	1.50			118	1088	12.40	17	1.15		
179	357	8.06	5.3	1.60	135	952	10.78	17	1.30				
11.0kW							18.5kW						
9.3	7717	156.41	20	0.85	S100 SF100 SA100 SAF100	4P	16	8425	94.48	15	0.80	S100 SF100 SA100 SAF100	4P
11	6934	138.77	20	0.95			18	7145	80.13	15	0.90		
12	6374	125.93	19	1.00			23	6383	65.10	15	1.00		
13	5588	108.24	19	1.15			25	5818	59.13	15	1.10		
15	4782	94.48	18	1.25			28	5217	52.46	14	1.15		
18	4136	80.13	18	1.30			31	4769	47.61	14	1.20		
21	4209	70.04	17	1.30			36	4159	40.92	14	1.25		
22	3821	65.10	17	1.40			41	3631	35.72	13	1.35		
25	3483	59.13	17	1.45			49	3101	30.29	13	1.40		
28	3123	52.46	16	1.50			56	2752	26.48	13	1.50		
31	2855	47.61	16	1.55			66	2327	22.39	12	1.55		
36	2490	40.92	15	1.65			41	3669	36.05	27	0.90		
41	2174	35.72	15	1.70			45	3339	32.60	27	0.95		
48	1857	30.29	14	1.80			53	2868	27.63	27	1.05		
55	1647	26.48	14	1.90			65	2386	22.65	27	1.20		
65	1393	22.39	13	2.00			72	2169	20.48	23	1.20		
26	3344	55.79	32	1.00			85	1848	17.36	23	1.40		
29	3010	49.87	33	1.10			97	1624	15.16	23	1.60		
33	2718	44.89	33	1.20	116	1366	12.68	22	1.70				
36	2477	40.65	33	1.35	134	1187	10.98	22	1.80				
40	2211	36.05	32	1.45	160	996	9.19	21	1.80				
45	2013	32.60	32	1.50	22kW								
53	1729	27.63	28	1.60	23	7590	65.10	14	0.85				
64	1438	22.65	28	1.80	25	6919	59.13	14	0.95				
71	1307	20.48	27	1.85	28	6204	52.46	14	1.00				
84	1113	17.36	26	2.00	31	5671	47.61	13	1.10				
96	979	15.16	26	2.05	36	4946	40.92	13	1.15				
115	823	12.68	25	2.20	41	4317	35.72	13	1.20				
133	714	10.98	24	2.35	49	3688	30.29	13	1.30				
54	1682	27.28	23	0.95	56	3272	26.48	12	1.35				
60	1504	24.23	22	1.05	66	2767	22.39	12	1.45				
72	1271	20.27	22	1.25	53	3410	27.63	25	0.90				
76	1214	19.23	19	1.30	65	2837	22.65	25	0.90				
87	1062	16.69	19	1.35	72	2579	20.48	19	1.00				
98	956	14.95	19	1.45	85	2198	17.36	21	1.15				
118	798	12.40	18	1.55	97	1931	15.16	21	1.30				
135	698	10.78	18	1.60	116	1624	12.68	21	1.50				
166	573	8.81	18	1.75	134	1411	10.98	21	1.65				
15.0kW							30kW						
13	7670	108.24	17	0.85	31	7734	47.61	12	0.85				
15	6878	94.48	16	0.95	36	6745	40.92	12	0.95				
18	5833	80.13	16	1.10	41	5887	35.72	12	1.05				
21	5739	70.04	16	1.15	49	5029	30.29	11	1.10				
22	5210	65.10	16	1.20	56	4462	26.48	11	1.15				
25	4749	59.13	16	1.20	66	3773	22.39	11	1.20				
28	4259	52.46	15	1.30									
31	3893	47.61	15	1.30									
36	3395	40.92	15	1.40									
41	2964	35.72	14	1.45									
48	2532	30.29	14	1.55									
55	2247	26.48	13	1.65									
65	1899	22.39	13	1.75									

**Selection Table
(Constant Torque)**

Mamax [Nm]	n _a [r/min]	i	F _{ra} [kN]	Type size	P [kW]/4P	Mamax [Nm]	n _a [r/min]	i	F _{ra} [kN]	Type size	P [kW]/4P		
87	0.13	10037	2.8			170	1.4	965	5.0				
	0.15	8654	2.8				1.5	865	5.0	S47R17			
	0.16	8066	2.8				1.7	750	5.0	SF47R17			
	0.19	7051	2.8				2.0	655	5.0	SA47R17	0.12		
	0.22	6079	2.8				2.3	574	5.0	SAF47R17			
	0.24	5431	2.8				2.6	506	5.0				
	0.28	4747	2.8				3.0	438	5.0				
	0.32	4155	2.8		S37R17						S47R17		
	0.36	3632	2.8		SF37R17		0.12	3.4	388	4.9	SF47R17	0.18	
	0.46	2866	2.8		SA37R17			3.9	336	4.9	SA47R17		
	0.53	2471	2.8		SAF37R17			4.5	294	4.9	SAF47R17		
	0.61	2160	2.8					5.2	257	4.9			
	0.69	1887	2.8					5.8	229	4.9	S47R17		
	0.79	1665	2.8					6.7	200	4.9	SF47R17	0.25	
	0.90	1456	2.8					7.1	187	4.9	SA47R17		
	1.0	1271	2.8					8.1	165	4.9	SAF47R17		
	1.2	1121	2.8					9.0	148	4.9	S47R17		
	1.3	994	2.8								SF47R17	0.37	
	1.5	869	2.8								SA47R17		
	1.7	774	2.8					10	131	4.9	SAF47R17		
	2.0	666	2.8					300	0.10	12909	6.7		
	2.2	596	2.8						0.12	11189	6.7		
	2.5	521	2.8		S37R17				0.13	10374	6.7		
	2.9	456	2.8		SF37R17		0.12		0.15	8992	6.7	S57R17	
3.3	398	2.8		SA37R17		0.17	7860		6.7	SF57R17			
3.7	351	2.8		SAF37R17		0.19	6887		6.7	SA57R17	0.12		
4.3	303	2.8				0.22	6055		6.7	SAF57R17			
4.9	265	2.8				0.25	5292		6.7				
5.6	232	2.8				0.28	4637		6.7				
6.5	202	2.8				0.32	4092		6.7				
7.3	179	2.8		S37R17		0.36	3628		6.7				
8.3	158	2.8		SF37R17	0.18	0.42	3131		6.7				
9.1	144	2.8		SA37R17		0.48	2714	6.7					
11	118	2.8		SAF37R17		0.54	2412	6.7	S57R17				
12	110	2.8		S37R17		0.61	2131	6.7	SF57R17				
				SF37R17	0.25	0.70	1863	6.7	SA57R17	0.12			
				SA37R17		0.79	1663	6.7	SAF57R17				
				SAF37R17		0.91	1435	6.7					
						1.0	1254	6.7					
						1.2	1083	6.7					
170	0.10	12909	5.0			1.4	965	6.7	S57R17				
	0.12	11189	5.0			1.5	865	6.7	SF57R17	0.12			
	0.13	10374	5.0			1.7	750	6.7	SA57R17				
	0.15	8992	5.0			2.0	655	6.7	SAF57R17				
	0.17	7860	5.0			2.3	574	6.7	S57R17				
	0.19	6887	5.0			2.6	506	6.7	SF57R17	0.18			
	0.22	6055	5.0			3.0	438	6.7	SA57R17				
	0.25	5292	5.0			3.4	388	6.7	SAF57R17				
	0.28	4637	5.0		S47R17					S57R17			
	0.32	4092	5.0		SF47R17	0.12	4.0	336	6.7	SF57R17	0.25		
	0.37	3582	5.0		SA47R17		4.5	294	6.7	SA57R17			
	0.42	3131	5.0		SAF47R17		4.9	269	6.7	SAF57R17			
	0.48	2714	5.0							S57R17			
	0.54	2412	5.0				5.8	229	6.7	SF57R17	0.37		
	0.61	2131	5.0				6.5	204	6.7	SA57R17			
	0.70	1863	5.0				7.1	187	6.7	SAF57R17			
	0.79	1663	5.0							S57R17			
	0.91	1435	5.0				8.1	165	6.7	SF57R17	0.55		
	1.0	1254	5.0							SA57R17			
	1.2	1120	5.0				10	131	6.7	SAF57R17			
	1.2	1083	5.0							SAF57R17			

Selection Table
(Constant Torque)

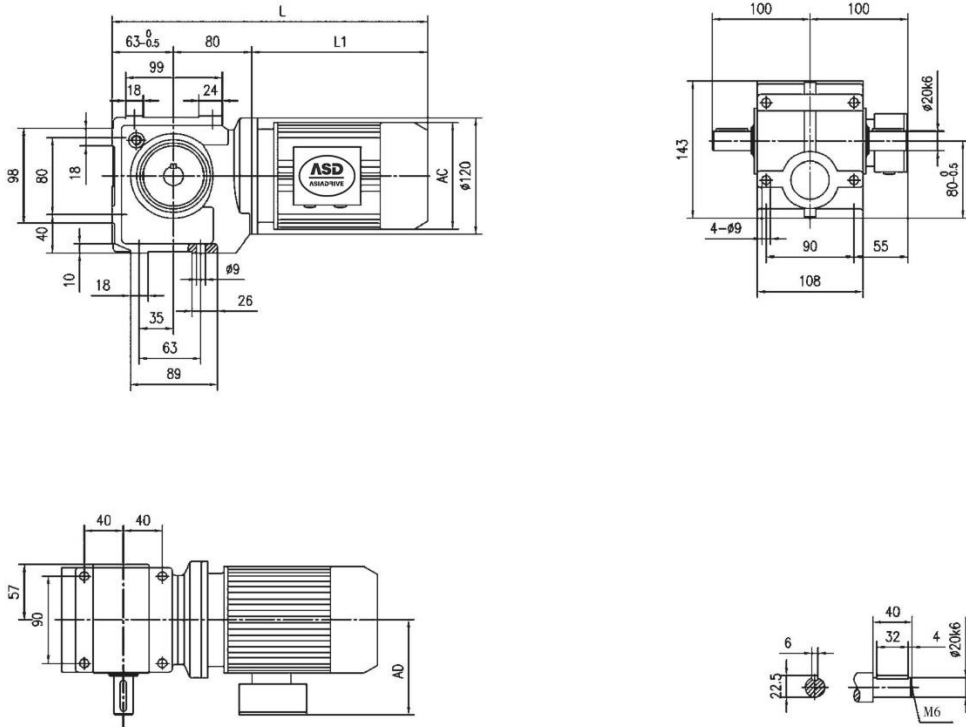
Mam ax [Nm]	n _a [r/min]	i	F _{ra} [kN]	Type size	P [kW]/4P	Mam ax [Nm]	n _a [r/min]	i	F _{ra} [kN]	Type size	P [kW]/4P			
520	0.06	21362	7.8		0.12	1220	0.15	8817	11		0.12			
	0.07	19594	7.8				0.17	7735	11					
	0.07	18120	7.8				0.19	6735	11	S77R37				
	0.08	16682	7.8				0.22	5943	11	SF77R37				
	0.09	14383	7.8	S67R37			0.25	5214	11	SA77R37				
	0.10	12774	7.8	SF67R37			0.28	4618	11	SAF77R37				
	0.12	11013	7.8	SA67R37			0.33	3992	11					
	0.14	9694	7.8	SAF67R37			0.37	3540	11					
	0.15	8529	7.8							S77R37				
	0.18	7455	7.8				0.42	3098	11	SF77R37				
	0.20	6531	7.8							SA77R37				
	0.23	5759	7.8							SAF77R37				
	0.26	4965	7.8				0.12	1220	0.48	2753		11	S77R37	0.12
	0.30	4410	7.8						0.55	2374		11	SF77R37	
	0.34	3880	7.8						0.63	2083		11	SA77R37	
	0.38	3432	7.8						0.72	1813		11	SAF77R37	
	0.44	2944	7.8	S67R37					0.75	1745		11	S77R37	
	0.50	2630	7.8	SF67R37					0.82	1600		11	SF77R37	
	0.57	2279	7.8	SA67R37					0.95	1404		11	SA77R37	
	0.65	2014	7.8	SAF67R37					1.1	1245		11	SAF77R37	
0.74	1772	7.8							S77R37					
0.84	1559	7.8							SF77R37					
0.96	1363	7.8					SA77R37							
1.10	1194	7.8					SAF77R37							
1.3	1045	7.8		0.18				S77R37	0.25					
1.4	914	7.8			1.2	1100	11	SF77R37						
1.6	809	7.8		0.18				SA77R37	0.37					
1.8	712	7.8			1.4	954	11	SAF77R37						
2.2	615	7.8			1.6	837	11	S77R37						
2.4	543	7.8		0.25				SF77R37	0.55					
2.8	469	7.8			1.9	714	11	SA77R37						
3.1	424	7.8			2.2	637	11	SAF77R37						
3.6	365	7.8			2.4	574	11	S77R37						
4.4	319	7.8		0.37				SF77R37	0.75					
4.9	281	7.8			3.2	438	11	SA77R37						
5.7	246	7.8			3.6	389	11	SAF77R37						
6.3	221	7.8			4.3	327	11	S77R37						
7.0	198	7.8			4.8	289	11	SF77R37						
1220	0.05	25493	11		0.12	2300	0.05	25987	26		0.12			
	0.06	21787	11				0.05	23940	26					
	0.07	19907	11				0.06	20568	26					
	0.08	17013	11	S77R37			0.07	18265	26					
	0.09	14668	11	SF77R37			0.08	16774	26	S87R57				
	0.10	13110	11	SA77R37			0.09	14820	26	SF87R57				
	0.11	11569	11	SAF77R37			0.10	13160	26	SA87R57				
	0.13	9887	11				0.12	11200	26	SAF87R57				
							0.13	9904	26					
							0.15	8549	26					
							0.17	7643	26					
							0.20	6706	26					

Selection Table
(Constant Torque)

Mamax [Nm]	n _a [r/min]	i	F _{ra} [kN]	Type size	P [kW]/4P	Mamax [Nm]	n _a [r/min]	i	F _{ra} [kN]	Type size	P [kW]/4P
2300	0.22	5875	26	S87R57	0.18	4000	0.43	3108	30	S97R57	0.37
	0.25	5187	26	SF87R57			0.50	2654	30	SF97R57	
	0.28	4606	26	SA87R57			0.57	2329	30	SA97R57	
				SAF87R57						SAF97R57	
	0.34	3872	26	S87R57	0.25		0.67	2081	30	S97R57	0.55
				SF87R57			0.75	1860	30	SF97R57	
				SA87R57			0.88	1574	30	SA97R57	
				SAF87R57						SAF97R57	
	0.38	3475	26	S87R57	0.25		1.0	1394	30	S97R57	0.75
				SF87R57			1.1	1223	30	SF97R57	
	0.46	2905	26	SA87R57			1.3	1070	30	SA97R57	
				SAF87R57						SAF97R57	
	0.51	2586	26	S87R57	0.37		1.5	928	30	S97R57	1.1
	0.57	2335	26	SF87R57			1.7	824	30	SF97R57	
	0.65	2054	26	SA87R57						SA97R57	
				SAF87R57						SAF97R57	
	0.76	1824	26	S87R57	0.55		2.0	714	31	S97R57	1.5
	0.85	1631	26	SF87R57			2.2	626	30	SF97R57	
	1.0	1332	26	SA87R57			2.6	538	30	SA97R57	
	1.2	1191	26	SAF87R57						SAF97R57	
1.3	1032	26	S87R57	0.75	3.0	484	30	S97R57	2.2		
1.5	930	26	SF87R57		3.4	420	30	SF97R57			
1.7	831	26	SA87R57		3.8	376	30	SA97R57			
			SAF87R57					SAF97R57			
1.9	719	26	S87R57	1.1	4.4	327	30	S97R57	3		
2.2	624	26	SF87R57		5.0	287	30	SF97R57			
2.5	558	26	SA87R57					SA97R57			
			SAF87R57					SAF97R57			
2.9	485	26	S87R57	1.5	5.7	252	30	S97R57	4		
			SF87R57		6.6	219	30	SF97R57			
			SA87R57					SA97R57			
			SAF87R57					SAF97R57			
3.2	435	26	S87R57	1.5	0.05	27093	40	S97R57	0.12		
			SF87R57		0.06	23118	40	SF97R57			
3.7	378	26	SA87R57		0.06	20215	40	SA100R77			
			SAF87R57		0.07	18344	40	SAF100R77			
4.4	323	26	S87R57	2.2	0.08	15767	40	S97R57			
			SF87R57		0.10	12901	40	SF97R57			
5.1	281	26	SA87R57		0.11	11708	40	SA97R57			
			SAF87R57		0.11	11708	40	SAF97R57			
4000	0.04	33818	31		0.18	0.06	20215	40		S97R57	0.18
	0.04	31154	31			0.07	18344	40		SF97R57	
	0.05	27847	31			0.07	18344	40		SA100R77	
	0.05	24641	31	S97R57		0.08	15767	40		SF100R77	
	0.06	21537	31	SF97R57		0.10	12901	40	SA100R77		
	0.07	18749	31	SA97R57		0.11	11708	40	SAF100R77		
	0.08	16233	31	SAF97R57		0.12	10719	40			
	0.09	14576	31			0.13	9727	40			
	0.10	12752	31			0.16	8360	40			
	0.12	11267	31			0.08	15767	40			
	0.13	10078	31			0.10	12901	40			
	0.15	8608	31	S97R57		0.11	11708	40	S100R77		
	0.17	7554	31	SF97R57		0.12	10719	40	SF100R77		
	0.20	6640	30	SA97R57		0.14	9727	40	SA100R77		
	0.23	5780	30	SAF97R57		0.16	8360	40	SAF100R77		
	0.27	4937	30			0.18	7226	40			
	0.30	4444	30	S97R57		0.20	6557	40			
0.33	4017	30	SF97R57	0.23	5769	40					
0.39	3453	30	SA97R57								
			SAF97R57								

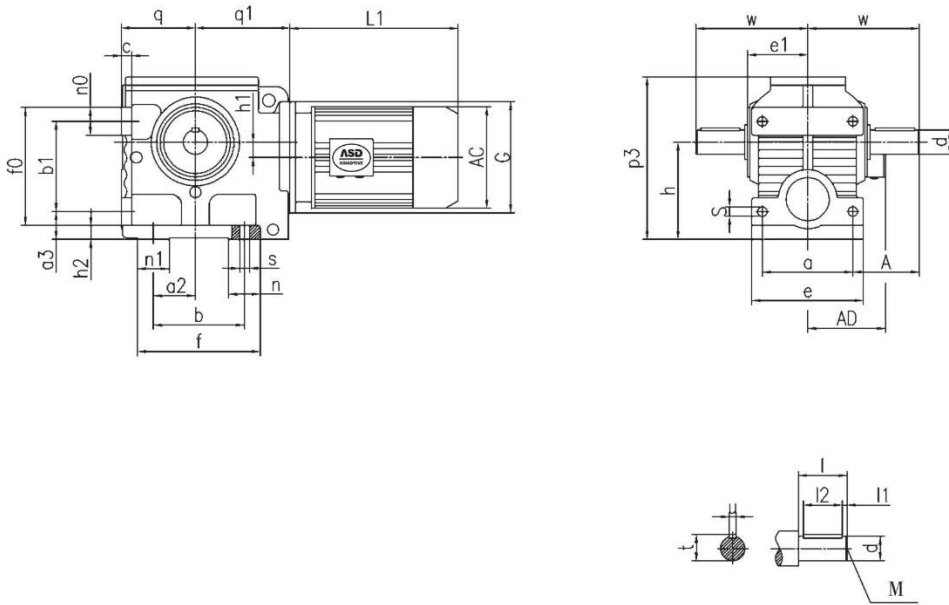
Selection Table
(Constant Torque)

Mamax [Nm]	n _a [r/min]	i	F _{ra} [kN]	Type size	P [kW]/4P	Mamax [Nm]	n _a [r/min]	i	F _{ra} [kN]	Type size	P [kW]/4P
6500	0.14	9727	40		0.37	6500	0.94	1521	40		2.2
	0.16	8360	40	S100R77			1.1	1327	40		
	0.18	7226	40	SF100R77			1.3	1126	40	S100R77	
	0.20	6557	40	SA100R77			1.5	984	40	SF100R77	
	0.23	5769	40	SAF100R77			1.7	864	40	SA100R77	
	0.27	4958	40				1.8	812	40	SAF100R77	
	0.31	4328	40				2.1	688	40		
	0.19	7226	40		0.55		2.4	602	40		
	0.21	6557	40	S100R77			1.3	1126	40		
	0.24	5769	40	SF100R77			1.5	984	40		
	0.28	4958	40	SA100R77			1.7	864	40	S100R77	
	0.32	4328	40	SAF100R77			1.8	812	40	SF100R77	
	0.43	3243	40				2.1	688	40	SA100R77	
	0.55	2530	40				2.4	602	40	SAF100R77	
	0.24	5769	40		0.75		2.6	544	40		
	0.28	4958	40				3.0	476	40		
	0.32	4328	40	S100R77			3.5	409	40		
	0.43	3243	40	SF100R77			1.8	812	40		
	0.55	2530	40	SA100R77			2.1	688	40		
	0.63	2208	40	SAF100R77			2.4	602	40	S100R77	
	0.71	1950	40				2.6	544	40	SF100R77	
	0.43	3243	40		1.1		3.0	476	40	SA100R77	
	0.55	2530	40	S100R77			3.5	409	40	SAF100R77	
	0.63	2208	40	SF100R77			4.1	352	40		
	0.72	1950	40	SA100R77			4.7	307	40		
	0.79	1769	40	SAF100R77			2.4	602	40		
	0.92	1521	40				2.6	544	40	S100R77	
	1.05	1327	40				3.0	476	40	SF100R77	
0.55	2530	40		1.5	3.5	409	40	SA100R77			
0.63	2208	40			4.1	352	40	SAF100R77			
0.72	1950	40	S100R77		4.7	307	40				
0.79	1769	40	SF100R77								
0.92	1521	40	SA100R77								
1.1	1327	40	SAF100R77								
1.2	1126	40									
1.4	984	40									

S37
Mounting Dimensional Description


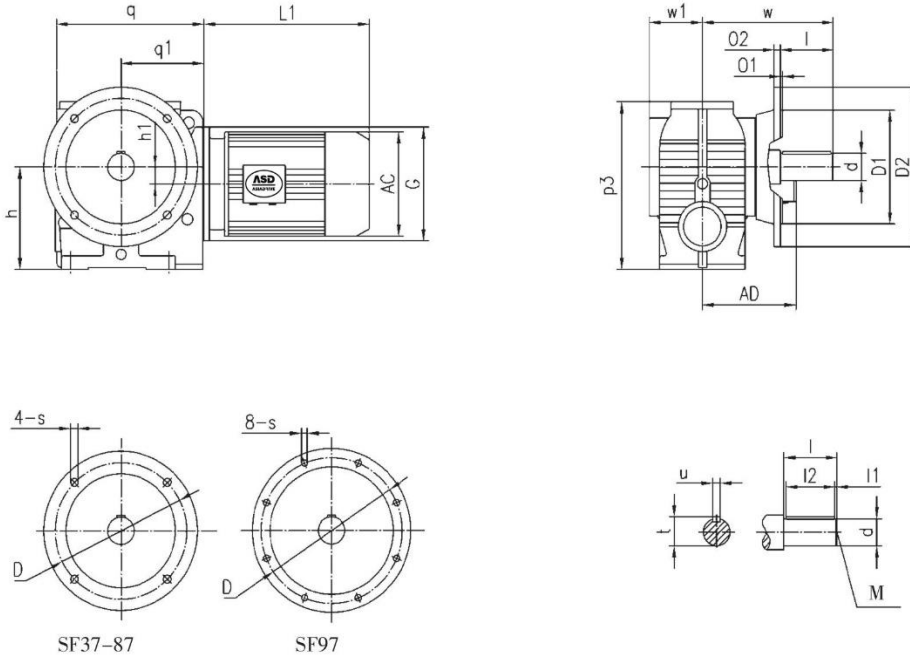
Motor frame size	63	71	80	90S	90L				
AC	130	145	175	195	195				
AD	70	80	145	155	155				
L1	207	225	255	270	295				
L	350	368	398	413	438				

Note: When equipping the user's motor or the special one, the flange is required to connected.(Please see appendix D)

S47-97
Mounting Dimensional Description


Specification	q d	q ₁ w	c A	f ₀ a	b ₁ e	n ₀ h	a ₃ p ₃	h ₁ e ₁	h ₂ u	n ₁ t	a ₂ l	s l ₁	n l ₂	b M	f G	Motor Size			
																AC	AD	L1	
GS47	75 ^{-0.5} Φ 25k6	96 115	12 65	105 100	80 120	25 100 ^{-0.5}	35 165	8 60	15 8	30 28	35 50	Φ 11 5	30 40	80 M10	112 Φ 120	Please see appendix A-2			
GS57	80 ^{-0.5} Φ 30k6	107 134	12 79	130 110	100 136	30 112 ^{-0.5}	35 189	20 71	15 8	30 33	45 60	Φ 11 3.5	30 50	100 M10	130 Φ 120				
GS67	106 ^{-0.5} Φ 35k6	135 160	15 95	170 130	130 160	40 140 ^{-0.5}	40 236	22 85.5	20 10	45 38	60 70	Φ 13.5 7	45 56	130 M12	175 Φ 160				
GS77	125 ^{-0.5} Φ 45k6	162 195	25 120	177 150	135 185	42 180 ^{-0.5}	70 301	34 101	25 14	50 48.5	75 90	Φ 17.5 5	69 80	135 M16	204 Φ 200				
GS87	150 ^{-0.5} Φ 60m6	190 255	30 155	230 200	180 250	50 225 ^{-0.5}	82 368	37.5 130	30 18	60 64	92 120	Φ 22 5	67 110	180 M20	247 Φ 250				
GS97	180 ^{-0.5} Φ 70m6	240 295	35 170	295 250	235 300	60 280 ⁻¹	90 455	52 150	35 20	80 74.5	115 140	Φ 26 7.5	85 125	235 M20	320 Φ 300				

Note: When equipping the user's motor or the special one, the flange is required to connected.(Please see appendix D)

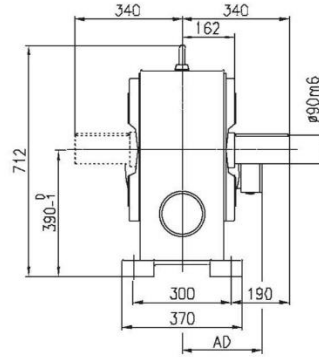
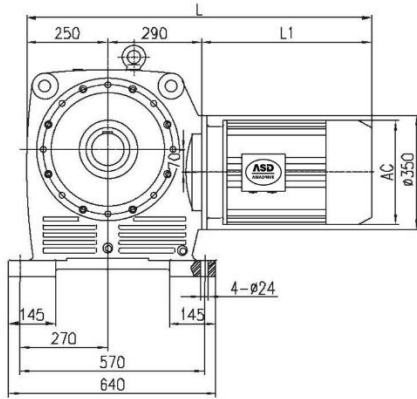
SF37-97
Mounting Dimensional Description


Specification	q p ₃	q ₁ w	h w ₁	h ₁ u	s t	D l	D ₁ l ₁	D ₂ l ₂	o ₁ d	O ₂ M	G	Motor Size			
												AC	AD	L1	
SF37	143 131	80 115	82 _{-0.5} 57	/ 6	Φ 9/Φ 6.6 22.5	Φ 130/Φ 100 40	Φ 110j6/Φ 80j6 4	Φ 160/Φ 120 32	3.5/3 Φ 20k6	10/8 M6	Φ 120	Please see appendix A-2			
SF47	171 179	96 133.5	100 _{-0.5} 57.5	8 8	Φ 9 28	Φ 130 50	Φ 110j6 5	Φ 160 40	3.5 Φ 25k6	10 M10	Φ 120				
SF57	187 189	107 160	112 _{-0.5} 72	20 8	Φ 11 33	Φ 165 60	Φ 130j6 3.5	Φ 200 50	3.5 Φ 30k6	12 M10	Φ 120				
SF67	242 236	135 196.5	140 _{-0.5} 80.5	22 10	Φ 11 38	Φ 165 70	Φ 130j6 7	Φ 200 56	3.5 Φ 35k6	12 M12	Φ 160				
SF77	287 301	162 240.5	180 _{-0.5} 101	34 14	Φ 13.5 48.5	Φ 215 90	Φ 180j6 5	Φ 250 80	4 Φ 45k6	15 M16	Φ 200				
SF87	340 368	190 297.5	225 _{-0.5} 120	37.5 18	Φ 17.5 64	Φ 300 120	Φ 250h6 5	Φ 350 110	5 Φ 60m6	18 M20	Φ 250				
SF97	420 455	240 345	280 ₋₁ 140	52 20	Φ 17.5 74.5	Φ 400 140	Φ 350h6 7.5	Φ 450 125	5 Φ 70m6	22 M20	Φ 300				

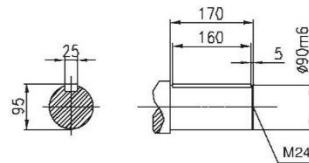
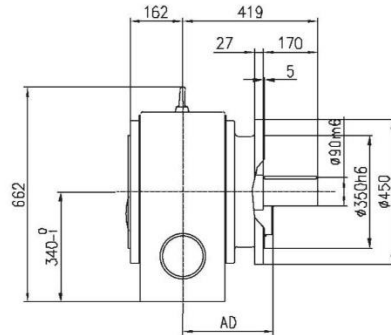
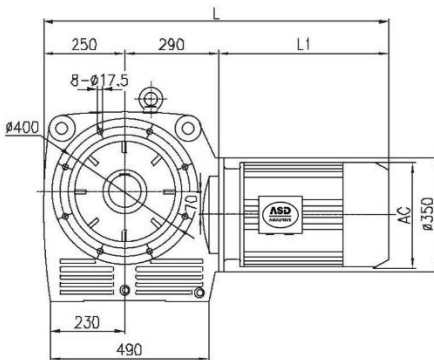
Note: When equipping the user's motor or the special one, the flange is required to be connected. (Please see appendix D)

S100/SF100
Mounting Dimensional Description

S100

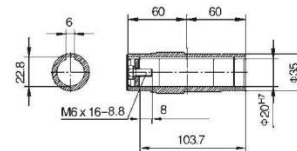
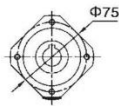
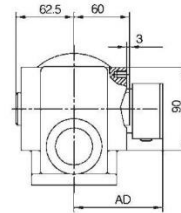
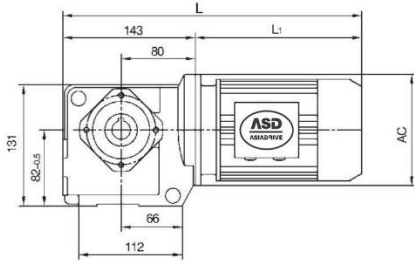


SF100



Motor frame size	100L	112M	132S	132M	160M	160L	180M	180L	200L
AC	215	240	275	275	330	330	380	380	420
AD	180	190	210	210	255	255	280	280	305
L1	325	340	390	430	505	560	590	630	660
L	865	880	930	970	1045	1100	1130	1170	1200

Note: When equipping the user's motor or the special one, the flange is required to connected.(Please see appendix D)

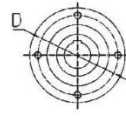
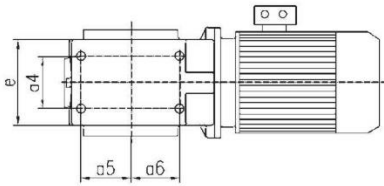
SA37
Mounting Dimensional Description


Motor frame size	63	71	80	90S	90L					
AC	130	145	175	195	195					
AD	70	80	145	155	155					
L1	207	225	255	270	295					
L	350	368	398	413	438					

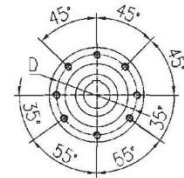
Note: When equipping the user's motor or the special one, the flange is required to connected.(Please see appendix D)

SA47-97

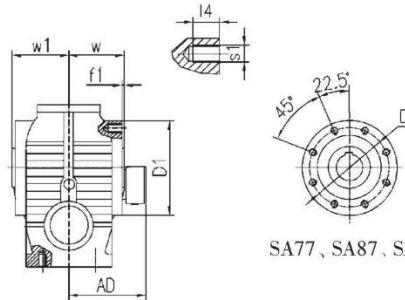
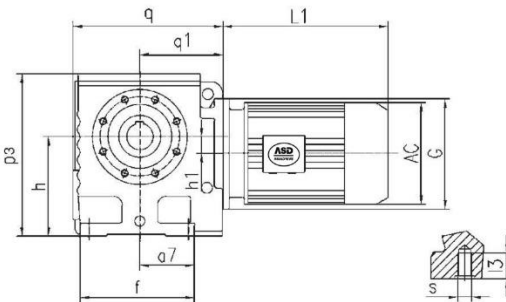
Mounting Dimensional Description



SA47, SA67

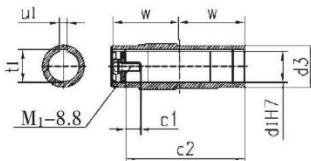


SA57

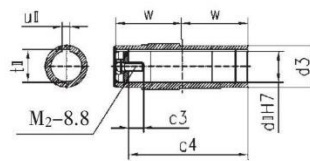


SA77, SA87, SA97

(The bigger diameter of bore)



(The smaller diameter of bore)

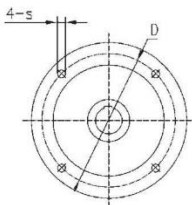
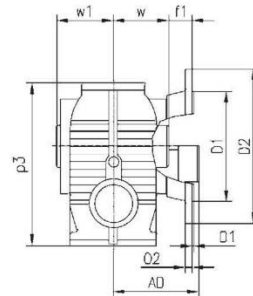
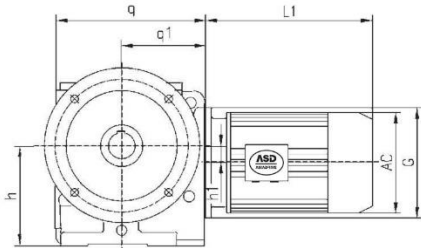


Specification	e h ₁	a ₄ a ₇	a ₅ f	a ₆ w	s f ₁	l ₃ D ₁	s ₁ d ₃	l ₄ d _I	D U _I	q t _I	q ₁ d _{II}	p ₃ u _{II}	h t _{II}	c ₁ c ₂	c ₃ c ₄	M ₁ M ₂	G W ₁	Motor Size			
																		AC	AD	L1	
SA47	94 8	60 67	35 127	52 60	M10 2.5	20 Φ 130	M8 Φ 45	12 Φ 30	Φ 115 8	171 33.3	96 Φ 25	179 8	100 ^{-0.5} 28.3	17 103.7	17 103.7	M10x25 M10x25	Φ 120 63	Please see appendix A-2			
SA57	100 20	60 73	58.5 146	58.5 75	M10 3	20 Φ 120	M8 Φ 50	12 Φ 35	Φ 102 10	187 38.3	107 Φ 30	189 8	112 ^{-0.5} 33.3	22 132	17 132	M12x30 M10x25	Φ 120 78				
SA67	128 22	88 95.5	71.5 182	80.5 84	M12 3.5	25 Φ 155	M12 Φ 65	20 Φ 45	Φ 130 14	242 48.8	135 Φ 40	236 12	140 ^{-0.5} 43.3	29 144	29 144	M16x40 M16x40	Φ 160 87				
SA77	156 34	102 104	85 204	85 105	M16 4	32 Φ 178	M12 Φ 80	20 Φ 60	Φ 155 18	287 64.4	162 Φ 50	301 14	180 ^{-0.5} 53.8	37 183	32 183	M20x50 M16x45	Φ 200 108				
SA87	194 37.5	118 125	115 260	110 125	M16 5	32 Φ 215	M16 Φ 95	26 Φ 70	Φ 180 20	340 74.9	190 Φ 60	368 18	225 ^{-0.5} 64.4	34 220	36 220	M20x50 M20x50	Φ 250 128				
SA97	236 52	160 140	135 301	113 145	M20 5	36 Φ 260	M16 Φ 120	26 Φ 90	Φ 220 25	420 95.4	240 Φ 70	455 20	280 ⁻¹ 74.9	41 260	34 260	M24x60 M20x50	Φ 300 149				

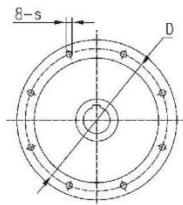
Note: When equipping the user's motor or the special one, the flange is required to connected.(Please see appendix D)

SAF37-97

Mounting Dimensional Description

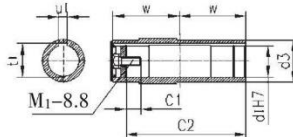


SAF37-87

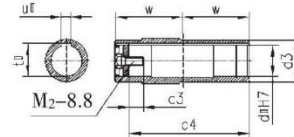


SAF97

(The bigger diameter of bore)



(The smaller diameter of bore)

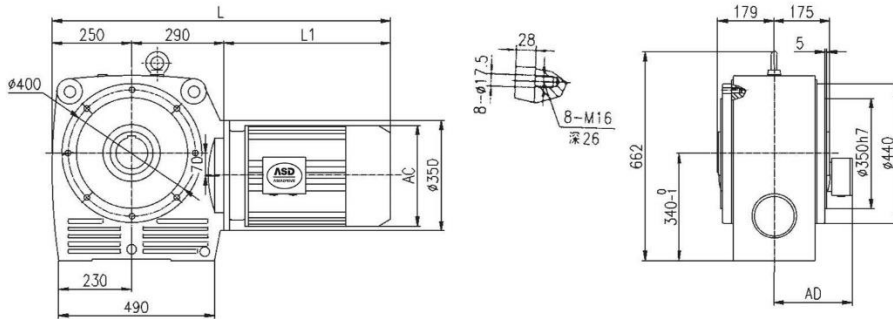


Specification	q p ₃	q ₁ w	h f ₁	h ₁ d ₃	s d _I	D U _I	D ₁ t _I	D ₂ d _{II}	o ₁ u _{II}	o ₂ t _{II}	c ₁ c ₂	c ₃ c ₄	M ₁ M ₂	G W ₁	Motor Size			
															AC	AD	L1	
SAF37	143 131	80 60	82 ^{-0.5} 15	/ Φ 35	Φ 9/Φ 6.6 Φ 20	Φ 130/Φ 100 6	Φ 110j6/Φ 80j6 22.8	Φ 160/Φ 120 /	3.5/3 /	10/8 /	17 103.7	/ /	M6x16 /	Φ 120 62.5	Please see appendix A-2			
SAF47	171 179	96 60	100 ^{-0.5} 24	8 Φ 45	Φ 9 Φ 30	Φ 130 8	Φ 110j6 33.3	Φ 160 Φ 25	3.5 8	10 28.3	17 103.7	17 103.7	M10x25 M10x25	Φ 120 63				
SAF57	187 189	107 75	112 ^{-0.5} 25	20 Φ 50	Φ 11 Φ 35	Φ 165 10	Φ 130j6 38.3	Φ 200 Φ 30	3.5 8	12 33.3	22 132	17 132	M12x30 M10x25	Φ 120 78				
SAF67	242 236	135 84	140 ^{-0.5} 42.5	22 Φ 65	Φ 11 Φ 45	Φ 165 14	Φ 130j6 48.8	Φ 200 Φ 40	3.5 12	12 43.3	29 144	29 144	M16x40 M16x40	Φ 160 87				
SAF77	287 301	162 105	180 ^{-0.5} 45.5	34 Φ 80	Φ 13.5 Φ 60	Φ 215 18	Φ 180j6 64.4	Φ 250 Φ 50	4 14	15 53.8	37 183	32 183	M20x50 M16x45	Φ 200 108				
SAF87	340 368	190 125	225 ^{-0.5} 52.5	37.5 Φ 95	Φ 17.5 Φ 70	Φ 300 20	Φ 250h6 74.9	Φ 350 Φ 60	5 18	18 64.4	34 220	36 220	M20x50 M20x50	Φ 250 128				
SAF97	420 455	240 145	280 ⁻¹ 60	52 Φ 120	Φ 17.5 Φ 90	Φ 400 25	Φ 350h6 95.4	Φ 450 Φ 70	5 20	22 74.9	41 260	34 260	M24x60 M20x50	Φ 300 149				

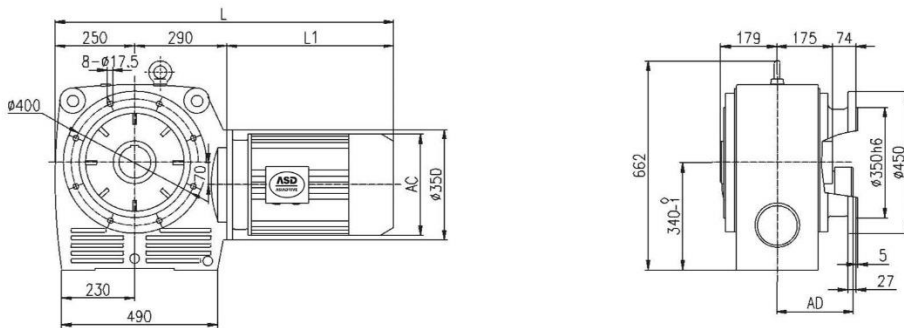
Note: When equipping the user's motor or the special one, the flange is required to connected.(Please see appendix D)

SA100/SAF100
Mounting Dimensional Description

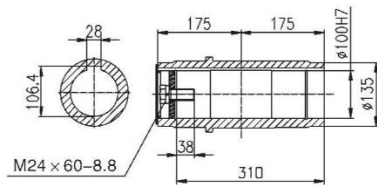
SA100



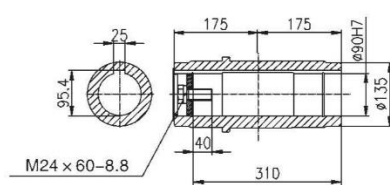
SAF100



(The bigger diameter of bore)



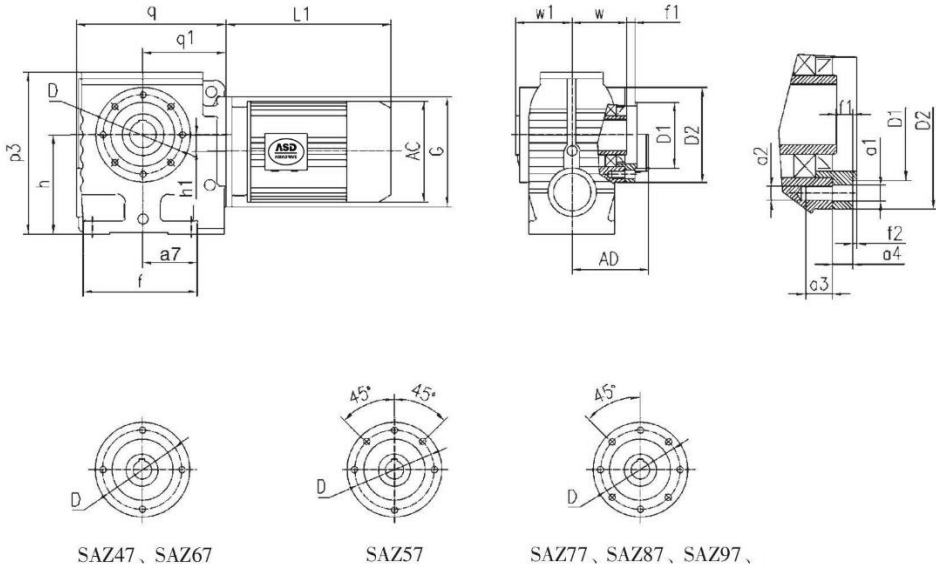
(The smaller diameter of bore)



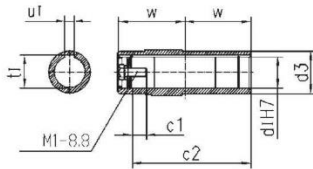
Motor frame size	100L	112M	132S	132M	160M	160L	180M	180L	200L
AC	215	240	275	275	330	330	380	380	420
AD	180	190	210	210	255	255	280	280	305
L1	325	340	390	430	505	560	590	630	660
L	865	880	930	970	1045	1100	1130	1170	1200

Note: When equipping the user's motor or the special one, the flange is required to connected.(Please see appendix D)

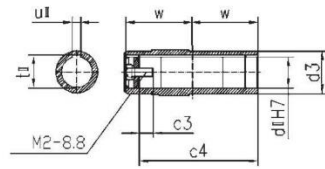
SAZ47-97
Mounting Dimensional Description



(The bigger diameter of bore)



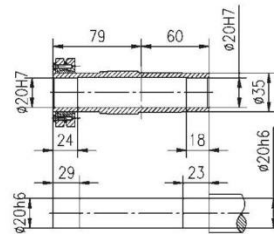
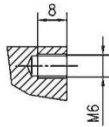
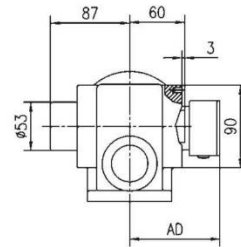
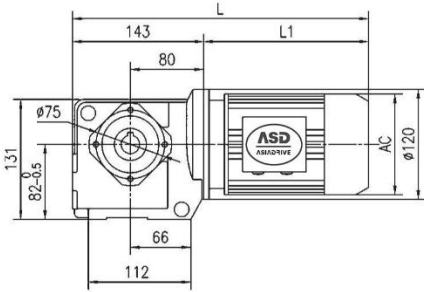
(The smaller diameter of bore)



Specification	d _I d _{II}	d ₃ G	M ₁ M ₂	q q ₁	h h ₁	p ₃ f	a ₇ f ₂	a ₂ f ₁	a ₃ a ₁	a ₄ D	D ₁ D ₂	w w ₁	tI UI	tII UII	c ₁ c ₂	c ₃ c ₄	Motor Size			
																	AC	AD	L1	
SAZ47	Φ 30	Φ 45	M10x25	171	100 _{0.5}	179	67	M8	12	11	Φ 95j6	60	33.3	28.3	17	17	Please see appendix A-2	AC	AD	L1
	Φ 25	Φ 120	M10x25	96	8	127	3	8.5	Φ 9	Φ 115	Φ 130	63	8	8	103.7	103.7				
SAZ57	Φ 35	Φ 50	M12x30	187	112 _{0.5}	189	73	M8	12	11	Φ 80j6	75	38.3	33.3	22	17		AC	AD	L1
	Φ 30	Φ 120	M10x25	107	20	146	3	8	Φ 9	Φ 102	Φ 120	78	10	8	132	132				
SAZ67	Φ 45	Φ 65	M16x40	242	140 _{0.5}	236	95.5	M12	20	13	Φ 105j6	84	48.8	43.3	29	29		AC	AD	L1
	Φ 40	Φ 160	M16x40	135	22	182	3.5	9.5	Φ 13.5	Φ 130	Φ 155	87	14	12	144	144				
SAZ77	Φ 60	Φ 80	M20x50	287	180 _{0.5}	301	104	/	/	18.5	Φ 125j6	105	64.4	53.8	37	32		AC	AD	L1
	Φ 50	Φ 200	M16x45	162	34	204	4	14.5	M12	Φ 155	Φ 180	108	18	14	183	183				
SAZ87	Φ 70	Φ 95	M20x50	340	225 _{0.5}	368	125	/	/	23.5	Φ 150j6	125	74.9	64.4	34	36		AC	AD	L1
	Φ 60	Φ 250	M20x50	190	37.5	260	5	18.5	M16	Φ 180	Φ 215	128	20	18	220	220				
SAZ97	Φ 90	Φ 120	M24x60	420	280 ₁	455	140	/	/	23.5	Φ 180j6	145	95.4	74.9	41	34		AC	AD	L1
	Φ 70	Φ 300	M20x50	240	52	301	5	18.5	M16	Φ 220	Φ 260	149	25	20	260	260				

Note: When equipping the user's motor or the special one, the flange is required to connected.(Please see appendix D)

SH37
Mounting Dimensional Description

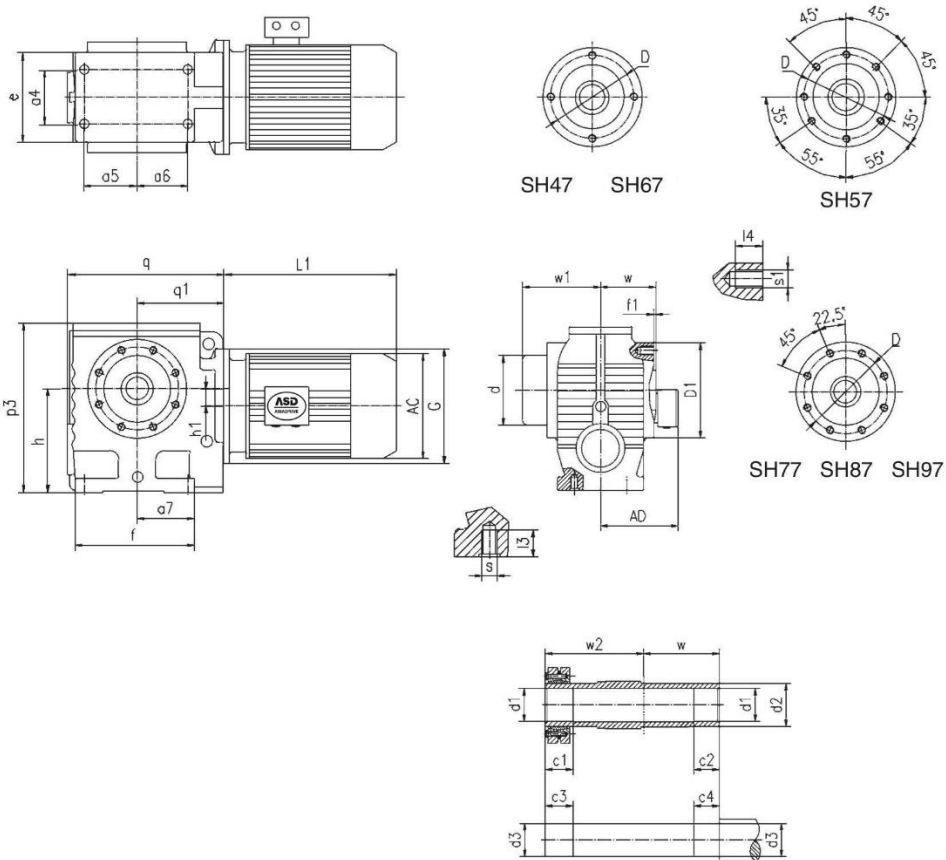


Motor frame size	63	71	80	90S	90L					
AC	130	145	175	195	195					
AD	70	80	145	155	155					
L1	207	225	255	270	295					
L	350	368	398	413	438					

Note: When equipping the user's motor or the special one, the flange is required to connected.(Please see appendix D)

SH47-97

Mounting Dimensional Description

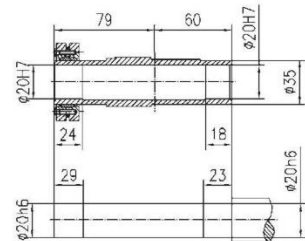
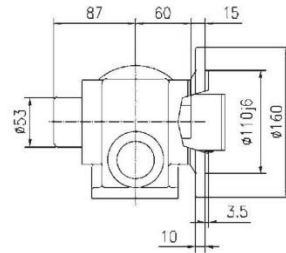
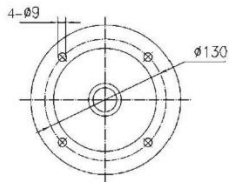
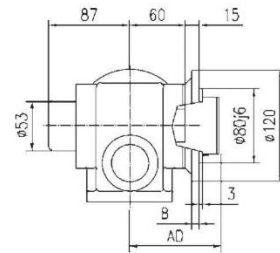
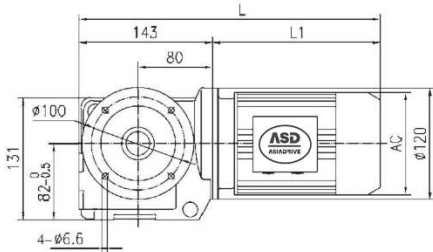


Specification	q	e	a ₆	p ₃	h	f	w	c ₁	c ₃	D	d	d ₂	s	l ₃	w ₂	Motor Size														
	q ₁	a ₄	a ₅	a ₇	h ₁	f ₁	w ₁	c ₂	c ₄	D ₁	d ₁	d ₃	s ₁	l ₄	G	AC	AD	L1												
SH47	171	94	52	179	100 _{0.5}	127	60	31	36	Φ 115	Φ 75	Φ 45	M10	20	86	Please see appendix A-2														
	96	60	35	67	8	2.5	95	20	25	Φ 130	Φ 30H7	Φ 30h6	M8	12	Φ 120															
SH57	187	100	58.5	189	112 _{0.5}	146	75	32	37	Φ 102	Φ 83	Φ 50	M10	20	102				Please see appendix A-2											
	107	60	58.5	73	20	3	110	20	25	Φ 120	Φ 35H7	Φ 35h6	M8	12	Φ 120															
SH67	242	128	80.5	236	140 _{0.5}	182	84	38	43	Φ 130	Φ 93	Φ 65	M12	25	112							Please see appendix A-2								
	135	88	71.5	95.5	22	3.5	120	20	25	Φ 155	Φ 40H7	Φ 40h6	M12	20	Φ 160															
SH77	287	154	85	301	180 _{0.5}	204	105	36	41	Φ 155	Φ 114	Φ 80	M16	32	136										Please see appendix A-2					
	162	102	85	104	34	4	146	30	35	Φ 178	Φ 50H7	Φ 50h6	M12	20	Φ 200															
SH87	340	194	110	368	225 _{0.5}	260	125	40	45	Φ 180	Φ 157	Φ 95	M16	32	165													Please see appendix A-2		
	190	118	115	125	37.5	5	176	40	45	Φ 215	Φ 65H7	Φ 65h6	M16	26	Φ 250															
SH97	420	236	113	455	280 _{1.0}	301	145	55	60	Φ 220	Φ 174	Φ 120	M20	36	190	Please see appendix A-2														
	240	160	135	140	52	5	204	50	55	Φ 260	Φ 75H7	Φ 75h6	M16	26	Φ 300															

Note: When equipping the user's motor or the special one, the flange is required to be connected. (Please see appendix D)

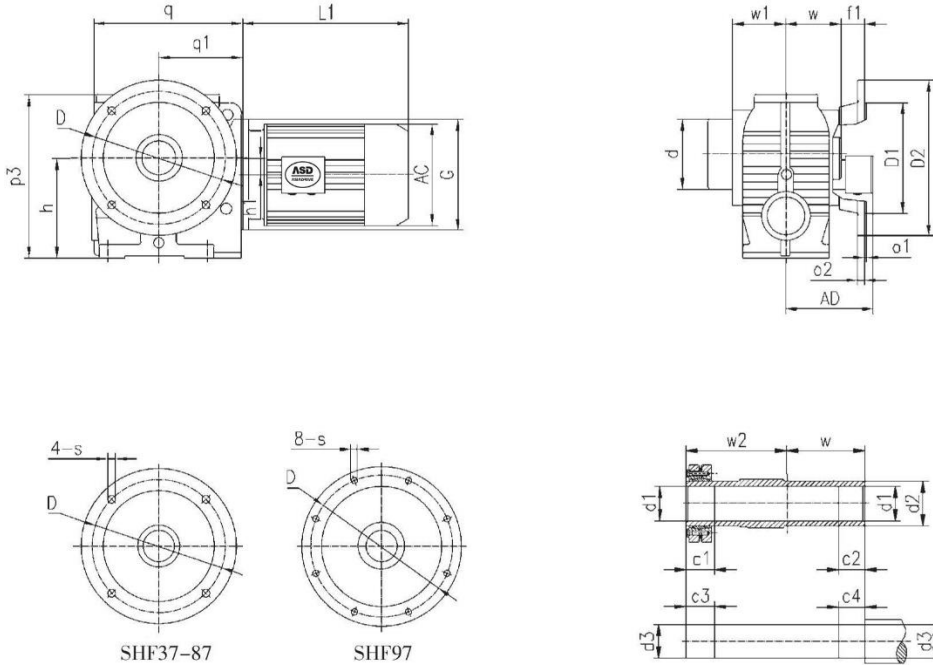
SHF37

Mounting Dimensional Description



Motor frame size	63	71	80	90S	90L					
AC	130	145	175	195	195					
AD	70	80	145	155	155					
L1	207	225	255	270	295					
L	350	368	398	413	438					

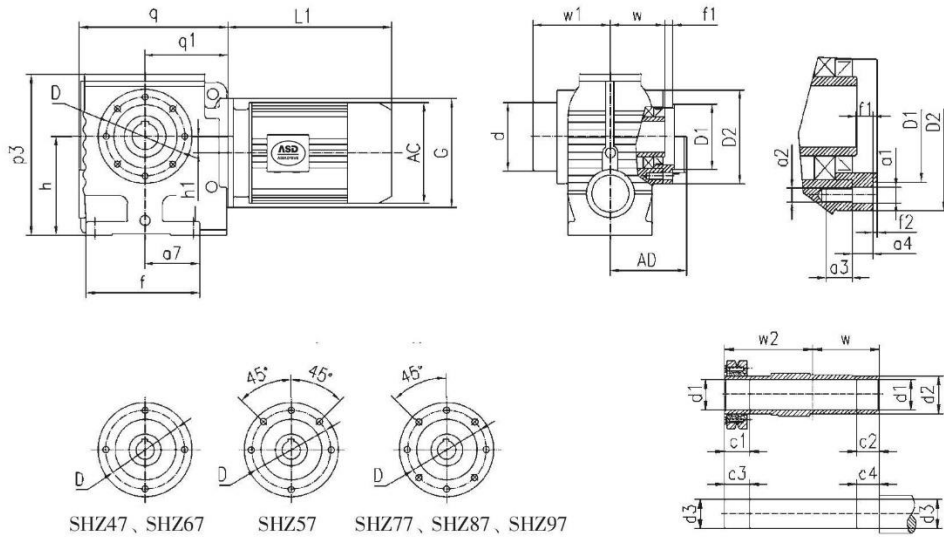
Note: When equipping the user's motor or the special one, the flange is required to connected.(Please see appendix D)

SHF47-97
Mounting Dimensional Description


Specification	q	h	s	o ₂	D ₂	w	w ₂	c ₂	c ₃	d	d ₂	p ₃	Motor Size			
	q ₁	h ₁	D	o ₁	D ₁	w ₁	c ₁	f ₁	c ₄	d ₁	d ₃	G	AC	AD	L1	
SHF47	171 96	100 ^{-0.5} 8	Φ 9 Φ 130	10 3.5	Φ 160 Φ 110j6	60 95	86 31	20 24	36 25	Φ 75 Φ 30H7	Φ 45 Φ 30h6	179 Φ 120	Please see appendix A-2			
SHF57	187 107	112 ^{-0.5} 20	Φ 11 Φ 165	12 3.5	Φ 200 Φ 130j6	75 110	102 32	20 25	37 25	Φ 83 Φ 35H7	Φ 50 Φ 35h6	189 Φ 120				
SHF67	242 135	140 ^{-0.5} 22	Φ 11 Φ 165	12 3.5	Φ 200 Φ 130j6	84 120	112 38	20 42.5	43 25	Φ 93 Φ 40H7	Φ 65 Φ 40h6	236 Φ 160				
SHF77	287 162	180 ^{-0.5} 34	Φ 13.5 Φ 215	15 4	Φ 250 Φ 180j6	105 146	136 36	30 45.5	41 35	Φ 114 Φ 50H7	Φ 80 Φ 50h6	301 Φ 200				
SHF87	340 190	225 ^{-0.5} 37.5	Φ 17.5 Φ 300	18 5	Φ 350 Φ 250h6	125 176	165 40	40 52.5	45 45	Φ 157 Φ 65H7	Φ 95 Φ 65h6	368 Φ 250				
SHF97	420 240	280 ^{-1.0} 52	Φ 17.5 Φ 400	22 5	Φ 450 Φ 350h6	145 204	190 55	50 60	60 55	Φ 174 Φ 75H7	Φ 120 Φ 75h6	455 Φ 300				

Note: When equipping the user's motor or the special one, the flange is required to connected.(Please see appendix D)

SHZ47-97
Mounting Dimensional Description



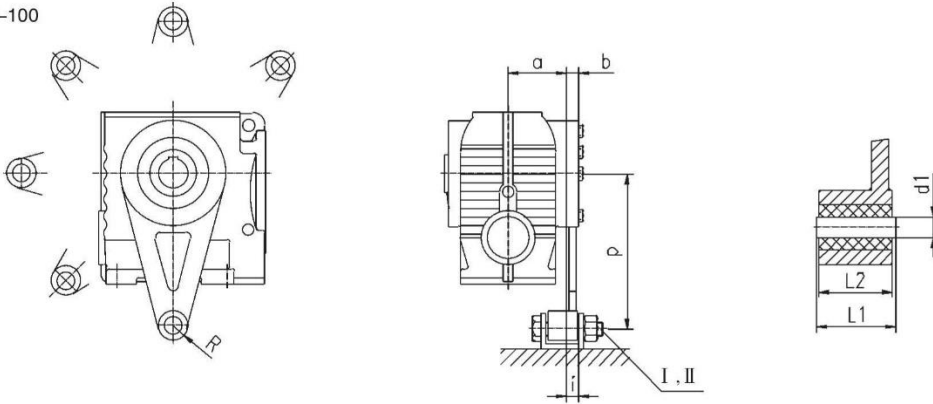
SHZ47, SHZ67 SHZ57 SHZ77, SHZ87, SHZ97

Specification	d d ₁	d ₃ d ₂	q q ₁	h h ₁	p ₃ f	a ₇ f ₂	a ₂ f ₁	a ₃ a ₁	a ₄ D	D ₁ D ₂	c ₁ c ₂	c ₃ c ₄	w w ₁	w ₂ G	Motor Size			
															AC	AD	L1	
SHZ47	Φ 75 Φ 30H7	Φ 30h6 Φ 45	171 96	100 _{-0.5} 8	179 127	67 3	M8 8.5	12 Φ 9	11 Φ 115	Φ 95j6 Φ 130	31 20	36 25	60 95	86 Φ 120	Please see appendix A-2			
SHZ57	Φ 83 Φ 35H7	Φ 35h6 Φ 50	187 107	112 _{-0.5} 20	189 146	73 3	M8 8	12 Φ 9	11 Φ 102	Φ 80j6 Φ 120	32 20	37 25	75 110	102 Φ 120				
SHZ67	Φ 93 Φ 40H7	Φ 40h6 Φ 65	242 135	140 _{-0.5} 22	236 182	95.5 3.5	M12 9.5	20 Φ 13.5	13 Φ 130	Φ 105j6 Φ 155	38 20	43 25	84 120	112 Φ 160				
SHZ77	Φ 114 Φ 50H7	Φ 50h6 Φ 80	287 162	180 _{-0.5} 34	301 204	104 4	/ 14.5	/ M12	18.5 Φ 155	Φ 125j6 Φ 180	36 30	41 35	105 146	136 Φ 200				
SHZ87	Φ 157 Φ 65H7	Φ 65h6 Φ 95	340 190	225 _{-0.5} 37.5	368 260	125 5	/ 18.5	/ M16	23.5 Φ 180	Φ 150j6 Φ 215	40 40	45 45	125 176	165 Φ 250				
SHZ97	Φ 174 Φ 75H7	Φ 75h6 Φ 120	420 240	280 _{-1.0} 52	455 301	140 5	/ 18.5	/ M16	23.5 Φ 220	Φ 180j6 Φ 260	55 50	60 55	145 204	190 Φ 300				

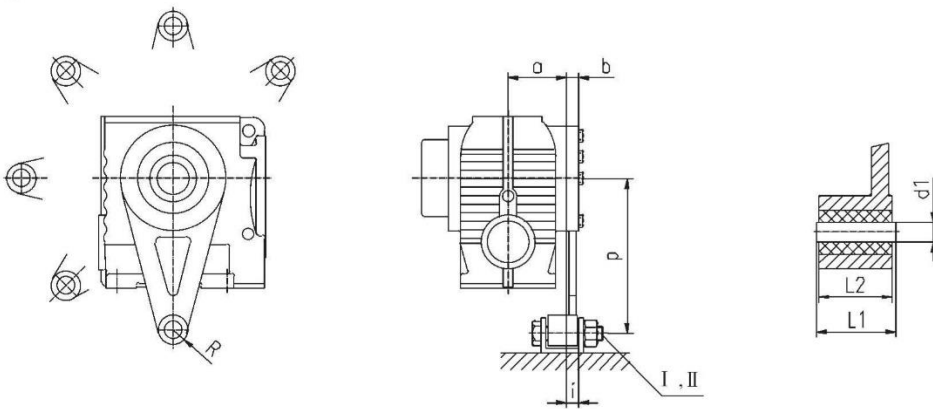
Note: When equipping the user's motor or the special one, the flange is required to connected.(Please see appendix D)

SAT37-100/SHT47-97
Mounting Dimensional Description

SAT37-100



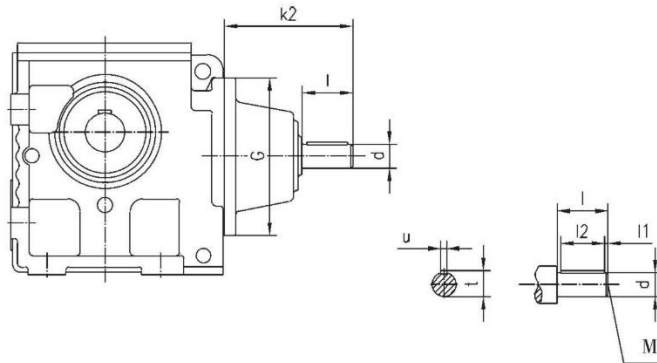
SHT47-97



Type Size	a	b	i	p	R	d_1	$L_{1-0.3}$	L_2
SAT37/SHT37	57	10	26	110	21	$10.4^{+0.1}_{-0.1}$	36	31
SAT47/SHT47	57.5	15	20.5	130	21	$10.4^{+0.1}_{-0.1}$	36	31
SAT57/SHT57	72	15	18.5	160	21	$10.4^{+0.1}_{-0.1}$	36	31
SAT67/SHT67	80.5	18	19.5	200	21	$10.4^{+0.1}_{-0.1}$	36	31
SAT77/SHT77	101	18	32.5	250	30	$16.4^{+0.08}_{-0.08}$	60	54
SAT87/SHT87	120	24	25.5	310	30	$16.4^{+0.08}_{-0.08}$	60	54
SAT97/SHT97	140	26	33	380	40	$25^{+0.08}_{-0.08}$	80	72
SAT100	162	24	49	430	40	$25^{+0.08}_{-0.08}$	80	74

For other dimensions, see the type SA and SH.

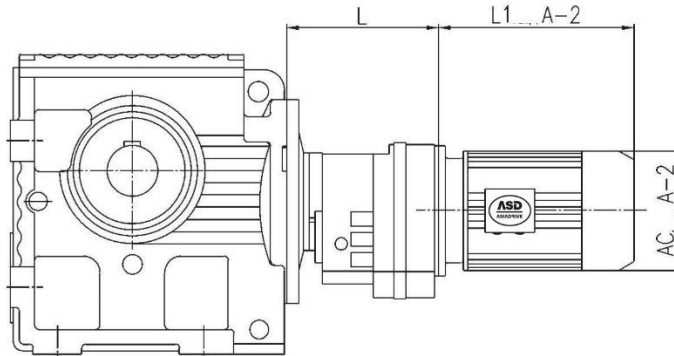
Note: bolts I and nuts II are prepared by customers.

S..SZ37-100AD1-6
Mounting Dimensional Description

(S..SZ37-100AD1-6 Mounting Dimensional Description)

Type Size		d	G	k ₂	l	M	l ₁	l ₂	t	u
S..SZ37/47/57	AD1	16k6	Φ 120	115	40	M5	4	32	18	5
	AD2	19k6	Φ 120	115	40	M6	4	32	21.5	6
S..SZ67	AD2	19k6	Φ 160	120	40	M6	4	32	21.5	6
	AD3	24k6	Φ 160	130	50	M8	5	40	27	8
S..SZ77	AD2	19k6	Φ 200	130	40	M6	4	32	21.5	6
	AD3	24k6	Φ 200	140	50	M8	5	40	27	8
	AD4	38k6	Φ 200	140	50	M12	5	40	41	10
S..SZ87	AD2	19k6	Φ 250	160	40	M6	4	32	21.5	6
	AD3	28k6	Φ 250	180	60	M10	5	50	31	8
	AD4	38k6	Φ 250	200	80	M12	5	70	41	10
	AD5	42k6	Φ 250	200	80	M16	5	70	45	12
S..SZ97	AD3	28k6	Φ 300	200	60	M10	5	50	31	8
	AD4	38k6	Φ 300	220	80	M12	5	70	41	10
	AD5	42k6	Φ 300	220	80	M16	5	70	45	12
	AD6	48k6	Φ 300	220	80	M16	5	70	51.5	14
S..SZ100	AD3	28k6	Φ 350	220	60	M10	5	50	31	8
	AD4	38k6	Φ 350	240	80	M12	5	70	41	10
	AD5	42k6	Φ 350	270	110	M16	10	90	45	12
	AD6	48k6	Φ 350	270	110	M16	10	90	51.5	14

For other dimensions, see the type S.

Note: double shafts type is also available for type SA/SAF/SF/SAZ/SH/SHF/SHZ, and these double shafts types are respectively named type SASZ..AD.., SAFSZ..AD.., SFSZ..AD.., SAZSZ..AD.., SHSZ..AD.., SHFSZ..AD..and SHZSZ..AD..

S..R..
Mounting Dimensional Description


Type Size	Motor frame size	L
S..37R17	63	131
	71	
S..47R17 S..57R17	63	131
	71	
	80	
S..67R37	63	157
	71	
	80	
S..77R37	63	157
	71	
	80	
	90	
S..87R57	63	187
	71	
	80	
	90	
	100	
S..97R57	63	187
	71	
	80	
	90	
	100	
S..100R77	63	220
	71	
	80	
	90	
	100	

Note: Combined type is also available for type SA/SAF/SAZ/SH/SHF/SHZ.

Note: When equipping the user's motor or the special one, the flange is required to connected.(Please see appendix D)

Features of Products

1.Highly Standard Modular Designed: The products are easily connected with and driven by different types of motors or other kinds of input power. The same type geared motor can be adapted to optioned powers of motors. It is therefore easy to realize different solutions for varied requirements.

2.Ratio: Featured many closely divided ratios and wide range of them. Very big final ratios can be obtained through combined unites to reach extremely low output speeds.

3.Mounting Arrangement: No strict limitation to the mounting arrangement.

4.High Strength, Compact Dimension: Housings are made of high strength cast iron. Gears and shaft gears are finished with gas carburising process and precise grinding to sequentially get high loading capacity of per certain volume.

5.Long Service Life: Under the condition of accurately selecting type size and the normal maintenance and use, main components (except those easily-disabled parts) can last as long as up to more than 25,000 hours. Easily-disabled parts include lubricating oil, oil seals, and bearings.

6.Low Noise: All key components are finished by precisely machining, accurate assembly, and finally tested, and therefore, fairly low noise is reached.

7.High Efficiency: The efficiency of gear unit can reach 95%, The efficiency of worm gear unit can reach 89%.

8.Large radial loading ability:

9.Axial load ability of up to 5% of radial load.

Site Conditions

The geared motors are suitable for the operation sites in the ambient temperatures from -10°C to 40°C and altitudes up to 1000m above the sea lever.

They can be used both for clockwise running and anti-clockwise running.

There is no limitation to specific application field.

While applied in other aggressive operating atmosphere or environment conditions, please contact our technology department.

Description of Selection Tables

1.Selection Table [Constant Power]:

Motor Power P_m[kW]: Power is indicated on the basis of Y₂ motor.

Output Speed n₂[r/min]: Output speed is calculated on the basis of motor's fully loading speed and geared motor's ratio. Unit: revolutions per minute.

Output Torque M₂ [Nm]: Torque available at output shaft while motor being fully loaded. All internal efficiency factors have already considered.

Ratio [i]: Exact final total transmission ratio from input to output

Permissible Radial Load F_{ra}[kN]: Permissible radial load on the middle point of overhung shaft (F_{ra} value listed in the table must be multiplied by 0.4, if load is placed on the end point of the shaft). The mathematic product of actual radial load Fr and actual service factor f_A should not be bigger than this F_{ra}, i.e. F_{ra} ≥ f_A*Fr (for f_A, please see the description of f_B).

Normally, Fr of a working unit can be got through the following:

$$Fr = M_r * f_r / r \quad (N)$$

where, M_r - working torque of the working unit (Nm)

r - pitch circle radius of the working unit (m)

f_r - radial load factor, which can be got refer to

the following:

f_r=1, for single chain sprocket wheel

f_r=1.25, for single gear or for double chain sprocket wheel

et wheel

f_r=1.5, for V-section belt

f_r=2.5, for flat belt

Service Factor f_B: The ratio of rated power of gear unit to rated power of motor power. It is essential data to select the size and strength of gear unit.

Type Size of Unit: including type and size. Individual unit and combined units are available. Combination is considered commonly under the constant power condition. Each type (and even some other types not mentioned in the tables) can be assembled or combined to any ratio mentioned in the tables.

For the detailed construction dimension, see the relevant dimensional tables.

Pole Number of Motor: The pole number of Y₂ motor.

Mass (Weight) [kg]: Net weight of geared unit, without the motor. This weight is only for your general reference.

2.Selection Table (Constant Torque):

Constant torque selection table is suitable for the conditions where the constant torque system is applied appropriately.

If the Max. torque listed in this table is used when calculating, service factor is 1.0. The meanings of other terms are similar to ones described in Selection Table (Constant Power).

Selection Steps

1、 Type Selection

Types of units are normally selected by customers to meet transmission mounting arrangement requirement. Series R and series F are applied to the conditions that input shafts are parallel to output shafts. And, series S and series K are applied to the conditions that input shafts are vertical to output shafts.

2、 Selection of actual Service Factor f_A

1)、 Normal requirement

f_A is determined by load feature, operating hours, and starts and stops number per hour of working unit. The normal total combined service factor is calculated as follows:

$$f_A = f_{Ah} * f_{Ac}$$

Where: f_{Ah} -the factor determined by load feature and operating hours of per day. See the table of f_{Ah} . The other working unit's f_{Ah} out of the table could be determined by analogy.

f_{Ac} -the factor determined by number of starts and stop per hour of working unit.

Attention: the number should be counted even start or stop.

2)、 Special requirement

If the ambient temperature is special high, the temperature factor f_{At} should be considered. refer to the factor f_{At} column of selection table.

If requiring higher reliability, the security factor f_{As} should be considered.

When you can't select the value of service factor, please contact with us.

3、 Selection of Type (Size)

It is essential to meet following: $f_B \geq f_A$

1)、 For constant power

(1)、 The motor is mounted directly into gear unit or with coupling

a, Reach to a relevant power and pole number of motor from selection table (constant power)

b, Select rudely a size with close ratio, and record it's f_B .

c, Compare, if meet this formula: $f_B \geq f_A$, then this size of gear unit is available. Otherwise select a bigger size of gear unit until meet it.

(2)、 The gear unit with prefixion deceleration unit

When connecting the motor and gear unit using gears, belts or chains, etc. Because the torque of input has been increased, so it is essential to convert motor power into input power of gear unit, the input power is to multiply motor power by radio. Select the size according to the power converted from the selection table. Attention: the number of motor pole is same.

2)、 For constant torque

Select the size of gear unit according to the power and pole of motor and radio from selection table (constant torque). It is essential to restrict the working torque under maximal torque of gear unit selected.

4、 Radial Load Checking

It will checking overhuang load, if the gears, belts and chains, etc, are fired on the shaft of the gear motors. For checking method, refer to the relevant contents in fore-named description of selection table.

5、 Mounting Dimension Checking

Check the mounting dimension when there is a limitation to site mounting condition.

If the selected type by the above method is appropriate to site mounting condition, this final type is standard and should be written in formal type description. If any special requirement is requested, please describe it while placing order.

Normal Delivery Condition:

1、 Motor: Y2 motor of protection class IP54 and of insulation class F, while no special request. But this insulation class F motor is generally recommended to be used in the condition where the class B is required.

2、 Terminal box: Terminal box is at 0° position if no special request (see description of motor terminal box position).

3、 Rotation direction: There will be no mark of rotation direction for input shaft or output shaft, if the relationship between input shaft and output shaft is not requested.

4、 Lubricants: Units are supplied with lubricant oil before delivery.

5、 Accessories: Generally, accessories excluded in mounting dimension table do not belong to our standard supply.

Design and specifications are subject to change without notice, Please forgive.

Service Factor f_{Ah}

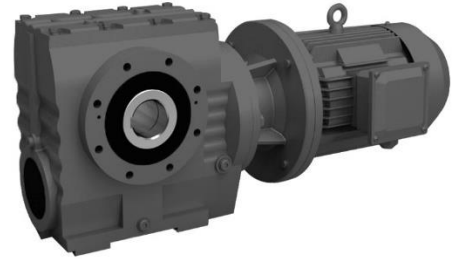
Application	8 hours / day	16 hours /day	24 hours /day
Food industry			
Crushers	1.75	2	2.25
Beet slicers, kneaders	1.25	1.5	1.75
Meat grinders	1.25	1.5	1.5
Filling machines	0.8~1*	1	1.25
Dough mixers	1	1.25	1.5
Extruders	1.25	1.5	1.75
Sugar cane knives	1.75	1.75	1.75
Sugar roller mills	1.75	1.75	1.75
Toasters	1.25	1.25	1.25
Auxiliary drives, servicing			
Inching, no load	0.8~1*		
Normal duty	1.25	1.25	1.25
Compressors			
Centrifugal	1	1.25	1.5
Lobe	1	1.25	1.5
Filters			
	1	1.25	1.5
Construction industry			
Cement mixers	1.25	1.5	1.75
Cement mills	1.5	1.75	2
Mortar spraying machine	0.8~1*	1	1.25
Generators			
	0.8~1*	1	1.25
Water treatment, environment tools			
Aerators	1.75	2.0	2.0
Common aerators	1.5	1.5	1.5
Carrousel aerators	1.75	1.75	1.75
Bar screens, collectors	0.8~1*	1	1.25
Screw pumps	1	1.25	1.5
Screens			
Rotary (for stone, for gravel)	1	1.25	1.5
Traveling water intake	0.8~1*	1	1.25
Agricultural machinery			
Manure scrapers	0.8~1*	1	
Harvesting machines	0.8~1*	1	
Cranes and hoists			
Travel gears	1.5	1.75	2.0
Slewing gears	1.25	1.5	2.0
Hoisting gears	1.25	1.5	1.75
Derricking jib cranes	1.25	1.5	1.75

Service Factor f_{Ah}

Mixers			
Constant density	1.25	1.5	1.5
Variable density	1.5	1.75	1.75
Lumber and plastic industry			
Main drive for saws	1.5	1.75	2
Feed drive for saws	1	1.25	1.5
Chopping machines	1.5	1.75	2
Veneer gluing machines	0.8~1*	1	1.25
Drilling machines	0.8~1*	1	1.25
Extruders	1.25	1.5	1.75
Agitators			
Pure liquids (constant density)	1.25	1.5	1.5
Liquids with variable density	1.5	1.75	2.0
Liquids and solids	1.5	1.75	2.0
Mills			
Ball, rod	1.75	1.75	1.75
Hammer, desintegrator	1.5	1.75	2
Printing and Paper techniques			
Cutters	1	1.25	1.5
Reels	0.8~1*	1	1.25
Bale feeders	1	1.25	1.25
Elevators			
Bucket elevators	1.25	1.5	1.75
Freight elevators	1.25	1.5	1.75
Escalators	1.25	1.25	1.5
Textile industry			
Looms	1.25	1.5	1.75
Spinners	0.8~1*	1	1.25
Washers	1	1.25	1.5
Conveyors			
Bucket conveyors	1.5	1.75	1.75
Uniformly loaded or fed	0.8~1*	1	1.25
Heavy duty, chain & screw conveyors	1.25	1.5	1.5
Shaker conveyors	1.5	1.75	2
Hoists	1.5	1.75	1.75
Belt conveyors	1.25	1.5	1.5
Hauling winches	1.5	1.75	1.75
Apron conveyors			
	1.25	1.25	1.5
Fans			
Centrifugal	0.8~1*	1	1.25

Service Factor f_{Ah}

Industrial fans	1	1.25	1.5
Cooling tower drivers	1.75	1.75	1.75
Cooling tower fans	1.75	2.0	2.0
Packing machine			
Cardboard stacking machine	1.25	1.5	1.75
Wrapping machine	0.8~1*	1	1.25
Machine tools			
Plate surfacers, plate planers, bending rolls	1.25	1.5	1.75
Main drives, feed drives	1	1.25	1.5
Feed and auxiliary drive	0.8~1*	1	1.25
Presses	1.75	2	2
Folding machines	1.5	1.75	2
Plate shears	1.75	2	2
Iron and steel industry			
Wire draw benches	1.25	1.5	1.75
Winding machines	1.25	1.75	1.75
Rolling mill: non reversing			
- group drives	1.25	1.5	1.75
- Individual drives	1.5	1.75	2
Pumps			
Centrifugal	1	1.25	1.5
Rotary, gear type, lobe, vane	0.8~1*	1	1.25
Piston pumps: singl cylinder	1.5	1.75	2
multi-cylinder	1.25	1.5	1.75
Screw pumps	1	1.25	1.5


Service Factor f_{Ac}

Number of starts and stop/ hour	
<10	1
<100	1.15
<500	1.25

Service Factor f_{At}

Ambient temperature	+20°C...	+20°C... +30°C	+30°C... +40°C	+40°C... +50°C	+50°C... +60°C
f_{At}	1	1.1	1.25	1.5	1.75

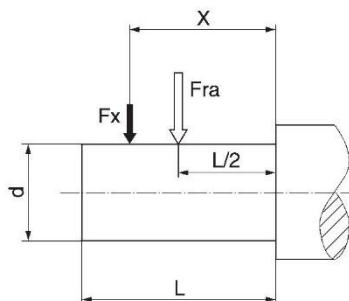


*=0.8, if hours of operation<3 hours/24 hour and no radial overhung load is applied.

These service factors are recommended on the basis of AGMA and ISO specifications and our experiences. They apply for electric motors as prime movers preferably. For specially designed applications, e.g. large inertia factor, please contact our technology department.

Overhung loads

The approved overhung loads given in the selection tables must be calculated using the following formulae in the event of force application not in the center of the shaft end.



$0 \leq X < L/2$	$F_x = [1.25 - (X/2L)] * F_{ra}$	[N]
$X = L/2$	$F_x = F_{ra}$	[N]
$L/2 < X \leq L$	$F_x = [1.6 - (1.2X/L)] * F_{ra}$	[N]

F_{ra} — Approved overhung loads ($X=L/2$) for foot-mounted gear units according to the selection tables in [N]

F_x — Approved overhung loads of formulae in the event of force application in [N]

X — Approved overhung loads of formulae in the event of force application in [N]

L — Length of output shaft in [mm]

The mathematic product of actual overhung loads F_r and actual service factor f_A should not be bigger than the approved overhung loads of formulae in the event of force application F_x , i.e. $F_x \geq f_A * F_r$. (Please see Page.2)

Appendix A-1
Technical Data of Y₂ Series Motors

Type	Rated power/kW	Full load				Blocked current	Blocked torque	Max torque	Moment of inertia / (kg·m ²)	Weight /kg
		Speed / (r/min)	Current /A	Eff (%)	Power factor	Rated current	Rated torque	Rated torque		
Synchronous Speed 3000r/min 2P										
Y2-631-2	0.18	2720	0.53	65.0	0.80	5.5	2.2	2.2	—	—
Y2-632-2	0.25		0.69	68.0	0.81					
Y2-711-2	0.37	2740	0.99	70.0	0.81	6.1	2.2	2.3	—	—
Y2-712-2	0.55		1.4	73.0	0.82					
Y2-801-2	0.75	2830	1.83	75.0	0.83	6.1	2.2	2.3	0.00075	16
Y2-802-2	1.1		2.55	77.0	0.84				0.00090	17
Y2-90S-2	1.5	2840	3.40	79.0	0.85	7.0	2.2	2.3	0.0012	22
Y2-90L-2	2.2		4.8	81.0	0.85				0.0014	25
Y2-100L-2	3.0	2870	6.31	83.0	0.87	7.5	2.2	2.3	0.0029	33
Y2-112M-2	4.0	2890	8.23	85.0	0.88				0.0055	45
Y2-132S1-2	5.5	2900	11.18	86.0	0.89	7.5	2.2	2.3	0.0109	64
Y2-132S2-2	7.5		15.06	87.0					0.0126	70
Y2-160M1-2	11	2930	21.35	88.0	0.90	7.5	2.0	2.2	0.0377	117
Y2-160M2-2	15		28.78	89.0					0.0449	125
Y2-160L-2	18.5	2940	34.72	90.0	0.91	7.1	1.8	2.2	0.055	147
Y2-180M-2	22		41.28	90.5					0.075	180
Y2-200L1-2	30	2950	55.37	91.2	0.92	7.1	1.6	2.2	0.124	240
Y2-200L2-2	37		67.92	92.0					0.139	255
Y2-225M-2	45	2970	82.16	92.3	0.91	7.1	1.8	2.2	0.233	309
Y2-250M-2	55		100.1	92.5					0.312	403
Y2-280S-2	75	2980	134.0	93.2	0.92	7.1	1.6	2.2	0.597	544
Y2-280M-2	90		160.27	93.8					0.675	620
Y2-315S-2	110	2980	195.46	94.0	0.92	7.1	1.8	2.2	1.18	980
Y2-315M-2	132		233.3	94.5					1.82	1080
Y2-315L1-2	160	2980	279.44	94.6	0.92	7.1	1.6	2.2	2.08	1160
Y2-315L2-2	200		347.83	94.8					2.41	1190
Y2-355M-2	250	2980	432.5	95.3	0.92	7.1	1.6	2.2	3.56	1760
Y2-355L-2	315		543.25	95.6					4.16	1850

Appendix A-1

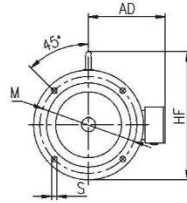
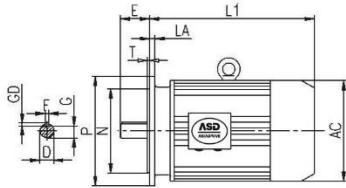
Type	Rated power/kW	Full load				Blocked current	Blocked torque	Max torque	Moment of inertia / (kg·m ²)	Weight /kg
		Speed / (r/min)	Current /A	Eff (%)	Power factor	Rated current	Rated torque	Rated torque		
Synchronous Speed 1500r/min 4P										
Y2-631-4	0.12	1310	0.44	57.0	0.72	4.4	2.1	2.2	—	—
Y2-632-4	0.18		0.62	60.0	0.73				—	—
Y2-711-4	0.25	1330	0.79	65.0	0.74	5.2	2.1	2.2	—	—
Y2-712-4	0.37		1.12	67.0	0.75				—	—
Y2-801-4	0.55	1390	1.57	71.0	0.75	5.2	2.4	2.3	0.0018	17
Y2-802-4	0.75		2.03	73.0	0.77				6.0	2.3
Y2-90S-4	1.1	1400	2.82	75.0		0.79	7.0	2.3		
Y2-90L-4	1.5		3.7	78.0	0.0027				27	
Y2-100L1-4	2.2	1430	5.16	80.0	0.81	7.0	2.3	0.0054	34	
Y2-100L2-4	3.0		6.78	82.0	0.82			2.3	0.0067	38
Y2-112M-4	4.0	1440	8.83	84.0		0.83	7.2		2.2	0.0095
Y2-132S-4	5.5		11.7	85.0	0.84			2.3		0.0214
Y2-132M-4	7.5	15.6	87.0	0.85		2.2	0.0296		81	
Y2-160M-4	11	1460	22.35		88.0		0.86	7.5	2.3	0.0747
Y2-160L-4	15		30.14	89.0	0.87	2.2				0.0918
Y2-180M-4	18.5	1470	36.47	90.5			0.86	7.2	2.2	0.139
Y2-180L-4	22		43.14	91.0	0.87	2.3				0.158
Y2-200L-4	30	57.63	92.0	0.87			2.2	0.262	270	
Y2-225S-4	37	1480	69.89		92.5	0.87		7.2	2.3	0.406
Y2-225M-4	45		95.54	92.8	0.87		2.2			0.469
Y2-250M-4	55	103.1	93.0	0.88		2.1		2.2	0.66	427
Y2-280S-4	75	139.7	93.8		0.88		2.2		1.12	562
Y2-280M-4	90	1490	166.93	94.2		0.89		6.9	2.1	1.46
Y2-315S-4	110		201.06	94.5	0.89		2.2			3.11
Y2-315M-4	132	240.57	94.8	0.90		2.2		3.62	1100	
Y2-315L1-4	160	287.95	94.9		0.90		2.2	4.13	1160	
Y2-315L2-4	200	358.8	95.0	0.90		2.2		4.94	1270	
Y2-355M-4	250	442.12	95.3		0.90		2.2	5.67	1700	
Y2-355L-4	315	555.32	95.6	6.66		1850				

Appendix A-1

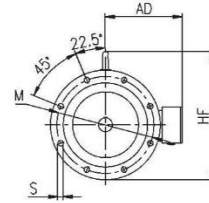
Type	Rated power/kW	Full load				Blocked current	Blocked torque	Max torque	Moment of inertia /((kg·m ²))	Weight /kg
		Speed /(r/min)	Current /A	Eff (%)	Power factor	Rated current	Rated torque	Rated torque		
Synchronous Speed 1000r/min 6P										
Y2-711-6	0.18	850	0.74	56.0	0.66	4.0	1.9	2.0	—	—
Y2-712-6	0.25	850	0.95	59.0	0.68				—	—
Y2-801-6	0.37	890	1.3	62.0	0.70	4.7	2.0	2.1	0.00158	17
Y2-802-6	0.55		1.79	65.0	0.72				0.0021	19
Y2-90S-6	0.75	910	2.26	69.0	0.72	5.5	2.0	2.1	0.0029	23
Y2-90L-6	1.1		3.14	72.0	0.73				0.0035	25
Y2-100L-6	1.5	940	3.95	76.0	0.75	6.5	2.1	2.1	0.0069	33
Y2-112M-6	2.2		5.57	79.0	0.76				0.0138	45
Y2-132S-6	3.0	960	7.41	81.0		0.77	2.0	2.1	2.1	0.0286
Y2-132M1-6	4.0		9.64	82.0	0.0357					73
Y2-132M2-6	5.5	970	12.93	84.0	0.77	7.0	2.1	2.0	0.0449	84
Y2-160M-6	7.5		17.0	86.0	0.77				0.0881	119
Y2-160L-6	11	980	24.23	87.5	0.78	8.6	2.0	2.1	0.116	147
Y2-180L-6	15		31.63	89.0	0.81				0.207	195
Y2-200L1-6	18.5	990	38.1	90.0		0.83	6.7	1.9	2.0	0.315
Y2-200L2-6	22		44.52	90.0	0.83	0.360				250
Y2-225M-6	30	980	58.63	91.5	0.84	7.0	2.1	2.0	0.547	292
Y2-250M-6	37		71.08	92.0	0.86				0.834	408
Y2-280S-6	45	990	85.98	92.5		0.87	6.7	1.9	2.0	1.39
Y2-280M-6	55		104.75	92.8	1.65					595
Y2-315S-6	75	990	141.77	93.5	0.88	6.7	1.9	2.0	4.11	990
Y2-315M-6	90		169.58	93.8					4.28	1080
Y2-315L1-6	110	990	206.83	94.0	0.87	6.7	1.9	2.0	5.45	1150
Y2-315L2-6	132		244.82	94.2					6.12	1210
Y2-355M1-6	160	990	291.52	94.5	0.88	6.7	1.9	2.0	8.85	1600
Y2-355M2-6	200		363.64	94.7					9.55	1700
Y2-355L-6	250	453.60	94.9	10.63	1800					

Appendix A-1

Type	Rated power/kW	Full load				Blocked current	Blocked torque	Max torque	Moment of inertia / (kg·m ²)	Weight /kg
		Speed / (r/min)	Current /A	Eff (%)	Power factor	Rated current	Rated torque	Rated torque		
Synchronous Speed 750r/min 8P										
Y2-801-8	0.18	630	0.88	51.0	0.61	3.3	1.9	0.00158	17	
Y2-802-8	0.25	640	1.15	54.0				0.0021	19	
Y2-90S-8	0.37	660	1.49	62.0		4.0		0.0029	23	
Y2-90L-8	0.55		2.18	63.0	0.0035		25			
Y2-100L1-8	0.75	690	2.43	71.0	0.67	1.8	0.0069	33		
Y2-100L2-8	1.1		3.42	73.0	0.0107		38			
Y2-112M-8	1.5	680	4.47	75.0	0.69	5.0	0.0149	50		
Y2-132S-8	2.2	710	6.04	78.0	0.71	6.0	0.0314	63		
Y2-132M-8	3.0		7.9	79.0	0.73		0.0395	79		
Y2-160M1-8	4.0	720	10.28	81.0	0.73	1.9	0.0753	118		
Y2-160M2-8	5.5		13.61	83.0	0.74		0.0931	119		
Y2-160L-8	7.5		17.88	85.5	0.75	2.0	0.126	145		
Y2-180L-8	11	730	25.29	87.5	0.76	2.0	0.203	184		
Y2-200L-8	15		34.09	88.0			0.339	250		
Y2-225S-8	18.5		40.58	90.0		0.491	266			
Y2-225M-8	22	740	47.37	90.5	0.78	1.9	0.547	292		
Y2-250M-8	30		63.43	91.0	0.79		0.834	405		
Y2-280S-8	37		76.83	91.5	1.39	520				
Y2-280M-8	45	92.93	92.0	1.65	592					
Y2-315S-8	55	740	112.97	92.8	0.81	1.8	4.79	1000		
Y2-315M-8	75		151.33	93.0			5.58	1100		
Y2-315L1-8	90		177.86	93.8		6.37	1160			
Y2-315L2-8	110	216.92	94.0	0.82	6.4	7.23	1230			
Y2-355M1-8	132	260.3	93.7			10.55	1600			
Y2-355M2-8	160	310.07	94.2			11.73	1700			
Y2-355L-8	200	386.36	94.5	0.83	12.86	1800				
Synchronous Speed 600r/min 10P										
Y2-315S-10	45	590	99.67	91.5	0.75	6.2	1.5	4.79	810	
Y2-315M-10	55		121.16	92.0	0.75			6.37	930	
Y2-315L1-10	75		162.16	92.5	0.76	7.0	1045			
Y2-315L2-10	90		191.03	93.0	0.77	7.15	1115			
Y2-355M1-10	110	230	93.2	0.78	6.0	1.3	12.55	1500		
Y2-355M2-10	132	275.11	93.5				13.75	1600		
Y2-355L-10	160	333.47	93.5				14.86	1700		

Appendix A-2


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225-280

Dimensions of Y2 Series Motors

Frame size	Mounting Dimensions																		
	D		E		FxGD		G		M	N	P	S	T	AC	AD	LA	HF	L1	
	2P	4-10P	2P	4-10P	2P	4-10P	2P	4-10P										2P	4-10P
63M	11		23		4X4		8.5	115	95	140	10	3	130	70	10	130	207		
71M	14		30		5X5		11	130	110	160			145	80	10	145	225		
80M	19		40		6X6		15.5	165	130	200			12	3.5	175	145	12	185	255
90S	24		50		8X7		20				215	180			250	15	4	195	155
90L							12	295											
100L	28		60				24	265	230	300	19	5	215	180	14	245	325		
112M							240						190	14	265	340			
132S	38		80		10X8		33	350	300	400	19	5	275	210	14	315	390		
132M							14						430						
160M	42		110		12X8		37	300	250	350	19	5	330	255	16	385	505		
160L							16						560						
180M	48		110		14X9		42.5	350	300	400	19	5	380	280	18	430	590		
180L							18						630						
200L	55				16X10		49	350	300	400	19	5	420	305	18	480	660		
225S		60		140	16X10	18X11		53	400	350	450	19	5	470	335	20	535	675	
225M	55	60	110	140			49	53										710	705
250M	60	65	140		18X11		53	58	500	450	550	19	5	510	370	22	595	770	
280S	65	75			18X11	20X12	58	67.5						22	650	845			
280M					22	895													
315S	65	80	140	170	18X11	22X14	58	71	600	550	660	24	6	645	530	25	845	1020	1100
315M																25	1050	1130	
315L ₁	65	80	140	170	18X11	22X14	58	71	600	550	660	24	6	645	530	25	845	1020	1100
315L ₂																25	1050	1130	

Appendix B
Dimensions of YEJ Series Motors

Fram size	80	90S	90L	100L	112M	132S	132M	160M	160L	180M	180L	200L	225S	225M
L1	350	370	395	420	450	505	545	610	655	715	765	790	860	890

Note: See appendix A for dimensional drawings. Other dimensions are same as Y2 motors.

Appendix C
Max. Output Torque Table, R/S/K/F type Geared Motors
RX Type

Type size	RX57	RX67	RX77	RX87	RX97	RX107	RX137						
Max. output torque (Nm)	70	135	215	400	600	830	1500						

R Type

Type size	R..17	R..27	R..37	R..47	R..57	R..67	R..77	R..87	R..97	R..107	R..137	R..147	R..167	R..177
Max. output torque (Nm)	85	130	200	300	450	600	820	1550	3000	4300	8000	13000	18000	36600

S Type

Type size	S..37	S..47	S..57	S..67	S..77	S..87	S..97	S..100					
Max. output torque (Nm)	87	170	300	520	1220	2300	4000	6500					

K Type

Type size	K..37	K..47	K..57	K..67	K..77	K..87	K..97	K..107	K..127	K..157	K..167	K..187	
Max. output torque (Nm)	200	400	600	820	1550	2700	4300	8000	13000	18000	32000	50000	

F Type

Type size	F..37	F..47	F..57	F..67	F..77	F..87	F..97	F..107	F..127	F..157			
Max. output torque (Nm)	200	400	600	820	1550	2700	4300	8000	13000	18000			

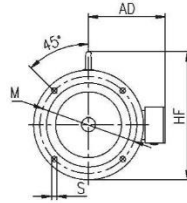
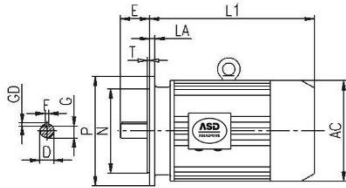
Note: List date is gearmotor's max.output torque. In fact the torque see selection table,the value equal the rate torque and service factor product. On request, please contact us.

Appendix A-1

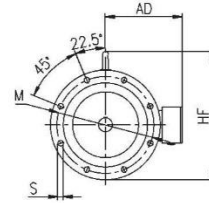
Type	Rated power/kW	Full load				Blocked current	Blocked torque	Max torque	Moment of inertia /((kg·m ²))	Weight /kg
		Speed /(r/min)	Current /A	Eff (%)	Power factor	Rated current	Rated torque	Rated torque		
Synchronous Speed 1000r/min 6P										
Y2-711-6	0.18	850	0.74	56.0	0.66	4.0	1.9	2.0	—	—
Y2-712-6	0.25	850	0.95	59.0	0.68				—	—
Y2-801-6	0.37	890	1.3	62.0	0.70	4.7		2.0	0.00158	17
Y2-802-6	0.55		1.79	65.0	0.72		0.0021		19	
Y2-90S-6	0.75	910	2.26	69.0	0.72	5.5	2.0	2.1	0.0029	23
Y2-90L-6	1.1		3.14	72.0	0.73				0.0035	25
Y2-100L-6	1.5	940	3.95	76.0	0.75				6.5	2.1
Y2-112M-6	2.2		5.57	79.0	0.76	0.0138	45			
Y2-132S-6	3.0	960	7.41	81.0		0.77	7.0	2.1	2.1	0.0286
Y2-132M1-6	4.0		9.64	82.0	0.0357					73
Y2-132M2-6	5.5		12.93	84.0	0.77					0.0449
Y2-160M-6	7.5	970	17.0	86.0	0.77	7.0	2.0	2.0	0.0881	119
Y2-160L-6	11		24.23	87.5	0.78				0.116	147
Y2-180L-6	15		31.63	89.0	0.81				0.207	195
Y2-200L1-6	18.5		38.1	90.0					0.315	220
Y2-200L2-6	22	44.52	90.0	0.83	7.0	2.1	2.0	0.360	250	
Y2-225M-6	30	58.63	91.5	0.84				0.547	292	
Y2-250M-6	37	980	71.08	92.0	0.86	7.0	2.1	2.0	0.834	408
Y2-280S-6	45		85.98	92.5					1.39	536
Y2-280M-6	55		104.75	92.8					1.65	595
Y2-315S-6	75	990	141.77	93.5	0.87	6.7	1.9	2.0	4.11	990
Y2-315M-6	90		169.58	93.8					4.28	1080
Y2-315L1-6	110		206.83	94.0					5.45	1150
Y2-315L2-6	132		244.82	94.2					6.12	1210
Y2-355M1-6	160		291.52	94.5					8.85	1600
Y2-355M2-6	200		363.64	94.7					0.88	9.55
Y2-355L-6	250	453.60	94.9		10.63	1800				

Appendix A-1

Type	Rated power/kW	Full load				Blocked current	Blocked torque	Max torque	Moment of inertia /($\text{kg}\cdot\text{m}^2$)	Weight /kg
		Speed /(r/min)	Current /A	Eff (%)	Power factor	Rated current	Rated torque	Rated torque		
Synchronous Speed 750r/min 8P										
Y2-801-8	0.18	630	0.88	51.0	0.61	3.3	1.9	0.00158	17	
Y2-802-8	0.25	640	1.15	54.0				0.0021	19	
Y2-90S-8	0.37	660	1.49	62.0		4.0	1.8	0.0029	23	
Y2-90L-8	0.55		2.18	63.0	0.0035			25		
Y2-100L1-8	0.75	690	2.43	71.0	0.67	5.0	1.8	0.0069	33	
Y2-100L2-8	1.1		3.42	73.0				0.0107	38	
Y2-112M-8	1.5	680	4.47	75.0	0.69	5.0	1.8	0.0149	50	
Y2-132S-8	2.2	710	6.04	78.0				0.71	0.0314	63
Y2-132M-8	3.0		7.9	79.0	0.73	6.0	1.9	0.0395	79	
Y2-160M1-8	4.0	720	10.28	81.0	0.73			2.0	0.0753	118
Y2-160M2-8	5.5		13.61	83.0	0.74	0.0931	119			
Y2-160L-8	7.5		17.88	85.5	0.75	0.126	145			
Y2-180L-8	11	730	25.29	87.5	0.76	2.0	2.0	0.203	184	
Y2-200L-8	15		34.09	88.0				0.76	0.339	250
Y2-225S-8	18.5		40.58	90.0				0.78	1.9	0.491
Y2-225M-8	22	47.37	90.5	0.78	0.547	292				
Y2-250M-8	30	740	63.43	91.0	0.79	6.6	1.9	0.834	405	
Y2-280S-8	37		76.83	91.5				1.39	520	
Y2-280M-8	45		92.93	92.0				1.65	592	
Y2-315S-8	55	740	112.97	92.8	0.81	6.4	1.8	4.79	1000	
Y2-315M-8	75		151.33	93.0				5.58	1100	
Y2-315L1-8	90		177.86	93.8				6.37	1160	
Y2-315L2-8	110	216.92	94.0	0.82	6.4	1.8	7.23	1230		
Y2-355M1-8	132	260.3	93.7				10.55	1600		
Y2-355M2-8	160	310.07	94.2				11.73	1700		
Y2-355L-8	200	386.36	94.5	0.83	6.4	1.8	12.86	1800		
Synchronous Speed 600r/min 10P										
Y2-315S-10	45	590	99.67	91.5	0.75	6.2	1.5	4.79	810	
Y2-315M-10	55		121.16	92.0				0.75	6.37	930
Y2-315L1-10	75		162.16	92.5				0.76	7.0	1045
Y2-315L2-10	90	191.03	93.0	0.77	6.0	1.3	7.15	1115		
Y2-355M1-10	110	230	93.2	0.78			6.0	1.3	12.55	1500
Y2-355M2-10	132	275.11	93.5						13.75	1600
Y2-355L-10	160	333.47	93.5		14.86	1700				

Appendix A-2


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225-280

Dimensions of Y2 Series Motors

Frame size	Mounting Dimensions																		
	D		E		FxGD		G		M	N	P	S	T	AC	AD	LA	HF	L1	
	2P	4-10P	2P	4-10P	2P	4-10P	2P	4-10P										2P	4-10P
63M	11		23		4X4		8.5		115	95	140	10	3	130	70	10	130	207	
71M	14		30		5X5		11		130	110	160		3.5	145	80	10	145	225	
80M	19		40		6X6		15.5							175	145	12	185	255	
90S	24		50		8X7		20		165	130	200	12	4	195	155	12	195	270	
90L		12		295															
100L	28		60			24		215	180	250	15	15		4	215	180	14	245	325
112M		240		190			14								265	340			
132S	38		80		10X8		33	265	230	300	19	5	275	210	14	315	390		
132M		14		430															
160M	42		110		12X8		37	300	250	350	19	5	330	255	16	385	505		
160L		16		560															
180M	48			14X9		42.5		380	280	18	430	5	380	280	18	430	590		
180L		18			630														
200L	55				16X10		49	350	300	400	19	5	420	305	18	480	660		
225S		60		140	16X10	18X11		53	400	350	450	19	5	470	335	20	535	675	
225M	55	60	110	140			49	53								20		710	705
250M	60	65			18X11		53	58	500	450	550	19	5	510	370	22	595	770	
280S	65	75	140	170	18X11	20X12	58	67.5								22		650	845
280M																22			895
315S	65	80	140	170	18X11	22X14	58	71	600	550	660	24	6	645	530	25	845	1020	
315M																25		1050	1130
315L ₁	65	80	140	170	18X11	22X14	58	71	600	550	660	24	6	645	530	25	845	1020	
315L ₂																25		1050	1130

Appendix B
Dimensions of YEJ Series Motors

Fram size	80	90S	90L	100L	112M	132S	132M	160M	160L	180M	180L	200L	225S	225M
L1	350	370	395	420	450	505	545	610	655	715	765	790	860	890

Note: See appendix A for dimensional drawings. Other dimensions are same as Y2 motors.

Appendix C
Max. Output Torque Table, R/S/K/F type Geared Motors
RX Type

Type size	RX57	RX67	RX77	RX87	RX97	RX107	RX137							
Max. output torque (Nm)	70	135	215	400	600	830	1500							

R Type

Type size	R..17	R..27	R..37	R..47	R..57	R..67	R..77	R..87	R..97	R..107	R..137	R..147	R..167	R..177
Max. output torque (Nm)	85	130	200	300	450	600	820	1550	3000	4300	8000	13000	18000	36600

S Type

Type size	S..37	S..47	S..47	S..67	S..77	S..87	S..97	S..100						
Max. output torque (Nm)	87	170	300	520	1220	2300	4000	6500						

K Type

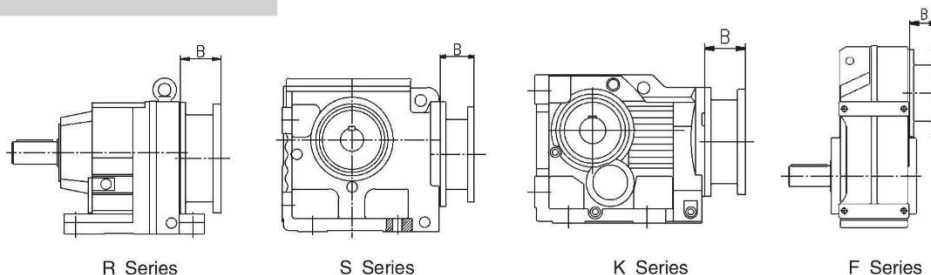
Type size	K..37	K..47	K..57	K..67	K..77	K..87	K..97	K..107	K..127	K..157	K..167	K..187		
Max. output torque (Nm)	200	400	600	820	1550	2700	4300	8000	13000	18000	32000	50000		

F Type

Type size	F..37	F..47	F..57	F..67	F..77	F..87	GF..97	F..107	F..127	F..157				
Max. output torque (Nm)	200	400	600	820	1550	2700	4300	8000	13000	18000				

Note: List date is gearmotor's max.output torque. In fact the torque see selection table,the value equal the rate torque and service factor product. On request, please contact us.

Appendix D



The dimension B of the flange for Y or Y2 series motors

R Series

	63	71	80	90	100	112	132	160	180	200	225	250	280	315
R...17/27/37	45	50.5	60.5	60.5	85.5									
R...47/57/67	44.5	50	69	69	81	81	93							
R...77/RX77	44.5	50	70	70	75	75	96.5	125						
R...87/RX87			70	70	82	82	92	130	130					
R...97/RX97			65	65	81.5	81.5	92	125	125	152				
R...107/RX107					68	68	106	126	126	140	170			
R...137/RX137							106	127	127	140	170	192.5	192.5	
R...147								120	120	139	169	192.5	192.5	
R...167/177								115	115	160	170	192.5	192.5	260
RX...57/67	44.5	50	69	69	81	81	93							

S Series

	63	71	80	90	100	112	132	160	180	200				
S...37/47/57	45	50.5	60.5	60.5	85.5									
S...67	44.5	50	69	69	81	81	93							
S...77	44.5	50	70	70	75	75	96.5	125						
S...87			70	70	82	82	92	130	130					
S...97			65	65	81.5	81.5	92	125	125					
S...100					68	68	106	126	126	140				

K Series

	63	71	80	90	100	112	132	160	180	200	225	250	280	315
K...37	45	50.5	60.5	60.5	85.5									
K...47/57/67	44.5	50	69	69	81	81	93							
K...77	44.5	50	70	70	75	75	96.5	125						
K...87			70	70	82	82	92	130	130					
K...97				65	81.5	81.5	92	125	125	152				
K...107					68	68	106	126	126	140	170			
K...127							98.5	120	120	139	169	192.5	192.5	
K...157/167/187								115	115	160	170	192.5	192.5	260

F Series

	63	71	80	90	100	112	132	160	180	200	225	250	280	315
F...37/47	45	50.5	60.5	60.5	85.5									
F...57/67	44.5	50	69	69	81	81	93							
F...77	44.5	50	70	70	75	75	96.5	125						
F...87			70	70	82	82	92	130	130					
F...97				65	81.5	81.5	92	125	125	152				
F...107					68	68	106	126	126	140	170			
F...127							98.5	120	120	139	169	192.5	192.5	
F...157								115	115	160	170	192.5	192.5	260