



RATINGS BOOK
BRUSHLESS ALTERNATORS WITH AVR

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BRUSHLESS ALTERNATORS WITH AVR

4 POLES - 1500RPM - 50HZ

380V - 3 PHASE



MODEL	WEIGHT [kg]	LEADS	AVR	kVA				
				163°C/27°C	150°C/40°C	125°C/40°C [H]	105°C/40°C [F]	80°C/40°C [B]
E1X13S A/4	63.5	12	HVR11	7.4	7	6.5	6	5
E1X13S B/4	69.9	12	HVR11	9.2	8.8	8	7.7	6
E1X13S C/4	76.5	12	HVR11	11.4	11	10	9.2	8
E1X13M E/4	96	12	HVR11	15.5	15	14	13	11
E1X13M F/4	100	12	HVR11	18	17.5	16	14.6	13
SLT18M C/4	92	12	HVR11	16.5	16	15	14	12
SLT18M D/4	100	12	HVR11	23	22	20	18.5	16
PRO18S A/4	121	12	HVR11	23	22	20	18.5	16
PRO18S B/4	134.5	12	HVR11	28	27	25	23	20
PRO18S C/4	150	12	HVR11	34	33	30	28	24
PRO18M D/4	170	12	HVR11	39	37	35	32	28
PRO18M E/4	200	12	HVR11	48	47	42	39	34
PRO18L F/4	236.5	12	HVR11	55	53	50	45	40
PRO18L G/4	267.5	12	HVR11	65	62	60	55	48
PRO22S A/4	280	12	HVR11	71	69	63	59	50
PRO22S B/4	295	12	HVR11	85	80	75	69	60
PRO22S C/4	341	12	HVR11	96	92	85	79	68
PRO22S D/4	379	12	HVR11	113	110	100	93	80
PRO22M E/4	454	12	HVR11	147	142	130	121	104
PRO22M F/4	499	12	HVR11	170	162	150	140	120
PRO22M G/4	499	6	HVR11	180	175	160	147	128
PRO28S A/4	564	12	HVR30	200	195	180	160	144
PRO28S B/4	591	12	HVR30	220	215	200	175	160
PRO28S C/4	668	12	HVR30	265	255	225	200	180
PRO28S D/4	730.5	12	HVR30	280	266	250	210	200
PRO28M E/4	833.5	12	HVR30	325	310	300	250	240
PRO28M F/4	949	12	HVR30	375	365	350	300	280
PRO28L G/4	1034	6	HVR30	420	410	400	360	320
PRO35S B/4	1184	12	HVR30	495	480	450	405	370
PRO35S C/4	1262.5	6	HVR30	550	530	500	450	410
PRO35S D/4	1342.5	12	HVR30	605	580	550	495	450
PRO35M E/4	1494	6	HVR30	660	630	600	550	490
PRO35M F/4	1500.5	6	HVR30	715	680	655	600	535
PRO35M G/4	1658	12	HVR30	795	765	725	650	590
PRO35L H/4	1867	6	HVR30	900	870	800	780	650
PRO40S A/4	2029	6	HVR30	1050	1000	930	870	750
PRO40S B/4	2045	6	HVR30	1180	1140	1050	980	850
PRO40M C/4	2252	6	HVR30	1300	1360	1150	1050	920
PRO40M D/4	2635	6	HVR30	1500	1450	1350	1280	1100
PRO40L E/4	3275	6	HVR30	1650	1600	1500	1370	1250

BRUSHLESS ALTERNATORS WITH AVR

4 POLES - 1500RPM - 50HZ

400V - 3 PHASE



MODEL	WEIGHT [kg]	LEADS	AVR	kVA				
				163°C/27°C	150°C/40°C	125°C/40°C [H]	105°C/40°C [F]	80°C/40°C [B]
E1X13S A/4	63.5	12	HVR11	7.4	7	6.5	6	5
E1X13S B/4	69.9	12	HVR11	9.2	8.8	8	7.7	6
E1X13S C/4	76.5	12	HVR11	11.4	11	10	9.2	8
E1X13M E/4	96	12	HVR11	15.5	15	14	13	11
E1X13M F/4	100	12	HVR11	18	17.5	16	14.6	13
SLT18M C/4	92	12	HVR11	16.5	16	15	14	12
SLT18M D/4	100	12	HVR11	23	22	20	18.5	16
PRO18S A/4	121	12	HVR11	23	22	20	18.5	16
PRO18S B/4	134.5	12	HVR11	28	27	25	23	20
PRO18S C/4	150	12	HVR11	34	33	30	28	24
PRO18M D/4	170	12	HVR11	39	37	35	32	28
PRO18M E/4	200	12	HVR11	48	47	42	39	34
PRO18L F/4	236.5	12	HVR11	55	53	50	45	40
PRO18L G/4	267.5	12	HVR11	65	62	60	55	48
PRO22S A/4	280	12	HVR11	71	69	63	59	50
PRO22S B/4	295	12	HVR11	85	80	75	69	60
PRO22S C/4	341	12	HVR11	96	92	85	79	68
PRO22S D/4	379	12	HVR11	113	110	100	93	80
PRO22M E/4	454	12	HVR11	147	142	130	121	104
PRO22M F/4	499	12	HVR11	170	162	150	140	120
PRO22M G/4	499	6	HVR11	180	175	160	147	128
PRO28S A/4	564	12	HVR30	200	195	180	160	144
PRO28S B/4	591	12	HVR30	220	215	200	175	160
PRO28S C/4	668	12	HVR30	265	255	225	200	180
PRO28S D/4	730.5	12	HVR30	280	266	250	210	200
PRO28M E/4	833.5	12	HVR30	325	310	300	250	240
PRO28M F/4	949	12	HVR30	375	365	350	300	280
PRO28L G/4	1034	6	HVR30	420	410	400	360	320
PRO35S B/4	1184	12	HVR30	495	480	450	405	370
PRO35S C/4	1262.5	6	HVR30	550	530	500	450	410
PRO35S D/4	1342.5	12	HVR30	605	580	550	495	450
PRO35M E/4	1494	6	HVR30	660	630	600	550	490
PRO35M F/4	1500.5	6	HVR30	735	700	670	615	545
PRO35M G/4	1658	12	HVR30	795	765	725	650	590
PRO35L H/4	1867	6	HVR30	900	870	800	780	650
PRO40S A/4	2029	6	HVR30	1050	1000	930	870	750
PRO40S B/4	2045	6	HVR30	1180	1140	1050	980	850
PRO40M C/4	2252	6	HVR30	1300	1360	1150	1050	920
PRO40M D/4	2635	6	HVR30	1500	1450	1350	1280	1100
PRO40L E/4	3275	6	HVR30	1650	1600	1500	1370	1250

BRUSHLESS ALTERNATORS WITH AVR

4 POLES - 1500RPM - 50HZ

415V - 3 PHASE



MODEL	WEIGHT [kg]	LEADS	AVR	kVA				
				163°C/27°C	150°C/40°C	125°C/40°C [H]	105°C/40°C [F]	80°C/40°C [B]
E1X13S A/4	63.5	12	HVR11	7.4	7	6.5	6	5
E1X13S B/4	69.9	12	HVR11	9	8.8	8	7.7	6
E1X13S C/4	76.5	12	HVR11	11.4	11	10	9.2	8
E1X13M E/4	96	12	HVR11	15.5	15	14	13	11
E1X13M F/4	100	12	HVR11	17.5	17	15.5	14.2	12.4
SLT18M C/4	92	12	HVR11	16.5	16	15	14	12
SLT18M D/4	100	12	HVR11	22.5	21.5	20	18.5	16
PRO18S A/4	121	12	HVR11	22.5	21.5	20	18.5	16
PRO18S B/4	134.5	12	HVR11	27	26	25	23	20
PRO18S C/4	150	12	HVR11	33	32	30	28	24
PRO18M D/4	170	12	HVR11	37	36	35	31	28
PRO18M E/4	200	12	HVR11	46	45	42	39	34
PRO18L F/4	236.5	12	HVR11	53	51	48	43.5	38.5
PRO18L G/4	267.5	12	HVR11	62	60	58	50	46.5
PRO22S A/4	280	12	HVR11	69	67	63	58	50
PRO22S B/4	295	12	HVR11	80	75	70	65	56
PRO22S C/4	341	12	HVR11	94	90	85	79	68
PRO22S D/4	379	12	HVR11	113	110	100	93	80
PRO22M E/4	454	12	HVR11	145	140	130	121	104
PRO22M F/4	499	12	HVR11	170	162	150	140	120
PRO22M G/4	499	6	HVR11	175	170	155	140	128
PRO28S A/4	564	12	HVR30	195	190	175	150	140
PRO28S B/4	591	12	HVR30	220	215	200	175	160
PRO28S C/4	668	12	HVR30	265	255	225	200	180
PRO28S D/4	730.5	12	HVR30	280	266	250	210	200
PRO28M E/4	833.5	12	HVR30	325	310	300	250	240
PRO28M F/4	949	12	HVR30	375	365	350	300	280
PRO28L G/4	1034	6	HVR30	420	410	400	360	320
PRO35S B/4	1184	12	HVR30	495	480	450	405	370
PRO35S C/4	1262.5	6	HVR30	550	530	500	450	410
PRO35S D/4	1342.5	12	HVR30	600	570	550	495	450
PRO35M E/4	1494	6	HVR30	660	630	600	550	490
PRO35M F/4	1500.5	6	HVR30	735	700	670	615	545
PRO35M G/4	1658	12	HVR30	795	765	725	650	590
PRO35L H/4	1867	6	HVR30	880	860	790	760	640
PRO40S A/4	2029	6	HVR30	1050	1000	930	870	750
PRO40S B/4	2045	6	HVR30	1180	1140	1050	980	850
PRO40M C/4	2252	6	HVR30	1300	1360	1150	1050	920
PRO40M D/4	2635	6	HVR30	1500	1450	1350	1280	1100
PRO40L E/4	3275	6	HVR30	1650	1600	1500	1370	1250

BRUSHLESS ALTERNATORS WITH AVR

4 POLES - 1500RPM - 50HZ

440V - 3 PHASE



MODEL	WEIGHT [kg]	LEADS	AVR	kVA				
				163°C/27°C	150°C/40°C	125°C/40°C [H]	105°C/40°C [F]	80°C/40°C [B]
E1X13S A/4	63.5	12	HVR11	6.8	6.5	6	5.5	4.5
E1X13S B/4	69.9	12	HVR11	8.7	8.5	8	7.2	6
E1X13S C/4	76.5	12	HVR11	9	8.8	9	8	7.5
E1X13M E/4	96	12	HVR11	13.5	13	12	10.5	9.5
E1X13M F/4	100	12	HVR11	15.5	15	14	12	11
SLT18M C/4	92	12	HVR11	13.5	13	12	11	10
SLT18M D/4	100	12	HVR11	21	20	18	17	14.5
PRO18S A/4	121	12	HVR11	21	20	18	17	14.5
PRO18S B/4	134.5	12	HVR11	25	24	22	20	17.5
PRO18S C/4	150	12	HVR11	28	27.5	25	24	20
PRO18M D/4	170	12	HVR11	31	30	29	27.5	23.5
PRO18M E/4	200	12	HVR11	44	42	36	32	29
PRO18L F/4	236.5	12	HVR11	50	48	42	40	34
PRO18L G/4	267.5	12	HVR11	55	52	50	45	40
PRO22S A/4	280	12	HVR11	57	55	52	48	42
PRO22S B/4	295	12	HVR11	75	70	65	62	52
PRO22S C/4	341	12	HVR11	79	77	72	67	58
PRO22S D/4	379	12	HVR11	96	93	85	80	68
PRO22M E/4	454	12	HVR11	119	116	110	100	88
PRO22M F/4	499	12	HVR11	142	136	125	117	100
PRO22M G/4	499	6	HVR11	155	150	130	120	104
PRO28S A/4	564	12	HVR30	182	177	165	145	132
PRO28S B/4	591	12	HVR30	200	195	180	160	144
PRO28S C/4	668	12	HVR30	250	245	215	190	172
PRO28S D/4	730.5	12	HVR30	260	250	235	197	188
PRO28M E/4	833.5	12	HVR30	312	297	288	240	230
PRO28M F/4	949	12	HVR30	365	354	340	290	272
PRO28L G/4	1034	6	HVR30	400	390	380	340	304
PRO35S B/4	1184	12	HVR30	460	440	420	380	350
PRO35S C/4	1262.5	6	HVR30	515	495	470	420	380
PRO35S D/4	1342.5	12	HVR30	570	540	500	465	410
PRO35M E/4	1494	6	HVR30	620	590	560	515	460
PRO35M F/4	1500.5	6	HVR30	675	660	625	570	510
PRO35M G/4	1658	12	HVR30	735	710	670	600	545
PRO35L H/4	1867	6	HVR30	810	780	730	700	595
PRO40S A/4	2029	6	HVR30	1000	960	890	820	720
PRO40S B/4	2045	6	HVR30	1110	1100	1010	940	820
PRO40M C/4	2252	6	HVR30	1200	1150	1100	1000	890
PRO40M D/4	2635	6	HVR30	1500	1450	1300	1280	1050
PRO40L E/4	3275	6	HVR30	1500	1450	1400	1250	1150

BRUSHLESS ALTERNATORS WITH AVR
4 POLES - 1500RPM - 50HZ
220V - 1 PHASE - RECONNECTED



MODEL	WEIGHT [kg]	LEADS	AVR	kVA				
				163°C/27°C	150°C/40°C	125°C/40°C [H]	105°C/40°C [F]	80°C/40°C [B]
E1X13S A/4 - 1ph	63.5	12	HVR11	5	4.7	4.3	4	3.5
E1X13S B/4 - 1ph	69.9	12	HVR11	6.3	6	5.5	5	4.5
E1X13S C/4 - 1ph	76.5	12	HVR11	7.4	7	6.5	6	5.2
E1X13M E/4 - 1ph	96	12	HVR11	10.5	10.2	9.5	8.7	7.6
E1X13M F/4 - 1ph	100	12	HVR11	12	11.5	10.5	9.6	8.5
SLT18M C/4 - 1ph	92	12	HVR11	11.5	11	10	9.3	8
SLT18M D/4 - 1ph	100	12	HVR11	15	14.5	13	12	10.5
PRO18S A/4 - 1ph	121	12	HVR11	15	14.5	13	12	10.5
PRO18S B/4 - 1ph	134.5	12	HVR11	18.6	18	16.5	15.2	13.5
PRO18S C/4 - 1ph	150	12	HVR11	22	21.3	19.5	17.8	15.6
PRO18M D/4 - 1ph	170	12	HVR11	25.5	24.5	22.5	20.5	18
PRO18M E/4 - 1ph	200	12	HVR11	30.5	29	27	24.5	22
PRO18L F/4 - 1ph	236.5	12	HVR11	36	34.5	33	29.5	26
PRO18L G/4 - 1ph	267.5	12	HVR11	42	40.5	39	36	31.5
PRO22S A/4 - 1ph	280	12	HVR11	46.5	45	41	38.5	32.5
PRO22S B/4 - 1ph	295	12	HVR11	55	52	49	45	39
PRO22S C/4 - 1ph	341	12	HVR11	62	60	55	51	44
PRO22S D/4 - 1ph	379	12	HVR11	74	72	65	61	52
PRO22M E/4 - 1ph	454	12	HVR11	95	92	85	79	68
PRO22M F/4 - 1ph	449	12	HVR11	110	105	98	91	78
PRO22M G/4 - 1ph	449	6	HVR11	117	114	104	95	83
PRO28S A/4 - 1ph	564	12	HVR30	130	127	117	104	94
PRO28S B/4 - 1ph	591	12	HVR30	143	140	130	114	104
PRO28S C/4 - 1ph	668	12	HVR30	172	166	146	130	117
PRO28S D/4 - 1ph	730.5	12	HVR30	182	173	163	137	130
PRO28M E/4 - 1ph	833.5	12	HVR30	210	200	195	163	156
PRO28M F/4 - 1ph	949	6	HVR30	245	240	230	195	185
PRO28L G/4 - 1ph	1034	6	HVR30	273	267	260	235	210
PRO35S B/4 - 1ph	1184	12	HVR30	330	320	295	270	245
PRO35S C/4 - 1ph	1262.5	6	HVR30	360	350	330	295	270
PRO35S D/4 - 1ph	1342.5	12	HVR30	395	380	360	325	295
PRO35M E/4 - 1ph	1494	6	HVR30	430	410	390	360	320
PRO35M F/4 - 1ph	1500.5	6	HVR30	465	445	430	390	350
PRO35M G/4 - 1ph	1658	12	HVR30	520	500	475	425	385
PRO35L H/4 - 1ph	1867	6	HVR30	585	570	530	510	425

BRUSHLESS ALTERNATORS WITH AVR

4 POLES - 1500RPM - 50HZ

230V - 1 PHASE - RECONNECTED



MODEL	WEIGHT [kg]	LEADS	AVR	kVA				
				163°C/27°C	150°C/40°C	125°C/40°C [H]	105°C/40°C [F]	80°C/40°C [B]
E1X13S A/4 - 1ph	63.5	12	HVR11	5	4.7	4.3	4	3.5
E1X13S B/4 - 1ph	69.9	12	HVR11	6.3	6	5.5	5	4.5
E1X13S C/4 - 1ph	76.5	12	HVR11	7.4	7	6.5	6	5.2
E1X13M E/4 - 1ph	96	12	HVR11	10.5	10.2	9.5	8.7	7.6
E1X13M F/4 - 1ph	100	12	HVR11	12	11.5	10.5	9.6	8.5
SLT18M C/4 - 1ph	92	12	HVR11	11.5	11	10	9.3	8
SLT18M D/4 - 1ph	100	12	HVR11	15	14	13	12	10.5
PRO18S A/4 - 1ph	121	12	HVR11	15	14.5	13	12	10.5
PRO18S B/4 - 1ph	134.5	12	HVR11	18.6	18	16.5	15.2	13.5
PRO18S C/4 - 1ph	150	12	HVR11	22	21.3	19.5	17.8	15.6
PRO18M D/4 - 1ph	170	12	HVR11	25.5	24.5	22.5	20.5	18
PRO18M E/4 - 1ph	200	12	HVR11	30.5	29	27	24.5	22
PRO18L F/4 - 1ph	236.5	12	HVR11	36	34.5	33	29.5	26
PRO18L G/4 - 1ph	267.5	12	HVR11	42	40.5	39	36	31.5
PRO22S A/4 - 1ph	280	12	HVR11	46.5	45	41	38.5	32.5
PRO22S B/4 - 1ph	295	12	HVR11	55	52	49	45	39
PRO22S C/4 - 1ph	341	12	HVR11	62	60	55	51	44
PRO22S D/4 - 1ph	379	12	HVR11	74	72	65	61	52
PRO22M E/4 - 1ph	454	12	HVR11	95	92	85	79	68
PRO22M F/4 - 1ph	449	12	HVR11	110	105	98	91	78
PRO22M G/4 - 1ph	449	6	HVR11	117	114	104	95	83
PRO28S A/4 - 1ph	564	12	HVR30	130	127	117	104	94
PRO28S B/4 - 1ph	591	12	HVR30	143	140	130	114	104
PRO28S C/4 - 1ph	668	12	HVR30	172	166	146	130	117
PRO28S D/4 - 1ph	730.5	12	HVR30	182	173	163	137	130
PRO28M E/4 - 1ph	833.5	12	HVR30	210	200	195	163	156
PRO28M F/4 - 1ph	949	6	HVR30	245	240	230	195	185
PRO28L G/4 - 1ph	1034	6	HVR30	273	267	260	235	210
PRO35S B/4 - 1ph	1184	12	HVR30	330	320	295	270	245
PRO35S C/4 - 1ph	1262.5	6	HVR30	360	350	330	295	270
PRO35S D/4 - 1ph	1342.5	12	HVR30	395	380	360	325	295
PRO35M E/4 - 1ph	1494	6	HVR30	430	410	390	360	320
PRO35M F/4 - 1ph	1500.5	6	HVR30	475	460	440	400	360
PRO35M G/4 - 1ph	1658	12	HVR30	520	500	475	425	385
PRO35L H/4 - 1ph	1867	6	HVR30	585	570	530	510	425

BRUSHLESS ALTERNATORS WITH AVR
4 POLES - 1500RPM - 50HZ
240V - 1 PHASE - RECONNECTED



MODEL	WEIGHT [kg]	LEADS	AVR	kVA				
				163°C/27°C	150°C/40°C	125°C/40°C [H]	105°C/40°C [F]	80°C/40°C [B]
E1X13S A/4 - 1ph	63.5	12	HVR11	5	4.7	4.3	4	3.5
E1X13S B/4 - 1ph	69.9	12	HVR11	6.3	6	5.5	5	4.5
E1X13S C/4 - 1ph	76.5	12	HVR11	7.4	7	6.5	6	5.2
E1X13M E/4 - 1ph	96	12	HVR11	10.5	10.2	9.5	8.7	7.6
E1X13M F/4 - 1ph	100	12	HVR11	12	11.5	10.5	9.6	8.5
SLT18M C/4 - 1ph	92	12	HVR11	11.5	11	10	9.3	8
SLT18M D/4 - 1ph	100	12	HVR11	15	14	13	12	10.5
PR018S A/4 - 1ph	121	12	HVR11	15	14	13	12	10.5
PR018S B/4 - 1ph	134.5	12	HVR11	18.6	18	16.5	15.2	13.5
PR018S C/4 - 1ph	150	12	HVR11	22	21.3	19.5	17.8	15.6
PR018M D/4 - 1ph	170	12	HVR11	25.5	24.5	22.5	20.5	18
PR018M E/4 - 1ph	200	12	HVR11	30.5	29	27	24.5	22
PR018L F/4 - 1ph	236.5	12	HVR11	34.5	33	31.5	28.5	25
PR018L G/4 - 1ph	267.5	12	HVR11	40.5	39	38	33	30.5
PR022S A/4 - 1ph	280	12	HVR11	45	44	41	38	32.5
PR022S B/4 - 1ph	295	12	HVR11	52	49	46	42	36
PR022S C/4 - 1ph	341	12	HVR11	61	58	55	51	44
PR022S D/4 - 1ph	379	12	HVR11	74	72	65	61	52
PR022M E/4 - 1ph	454	12	HVR11	94	91	85	79	68
PR022M F/4 - 1ph	449	12	HVR11	110	105	98	91	78
PR022M G/4 - 1ph	449	6	HVR11	114	110	100	91	81
PR028S A/4 - 1ph	564	12	HVR30	127	124	114	98	91
PR028S B/4 - 1ph	591	12	HVR30	143	140	130	114	104
PR028S C/4 - 1ph	668	12	HVR30	172	166	146	130	117
PR028S D/4 - 1ph	730.5	12	HVR30	182	173	163	137	130
PR028M E/4 - 1ph	833.5	12	HVR30	210	200	195	163	156
PR028M F/4 - 1ph	949	6	HVR30	245	240	230	195	185
PR028L G/4 - 1ph	1034	6	HVR30	273	267	260	235	210
PR035S B/4 - 1ph	1184	12	HVR30	330	320	295	270	245
PR035S C/4 - 1ph	1262.5	6	HVR30	360	350	330	295	270
PR035S D/4 - 1ph	1342.5	12	HVR30	390	370	360	325	295
PR035M E/4 - 1ph	1494	6	HVR30	430	410	390	360	320
PR035M F/4 - 1ph	1500.5	6	HVR30	475	460	440	400	360
PR035M G/4 - 1ph	1658	12	HVR30	520	500	475	425	385
PR035L H/4 - 1ph	1867	6	HVR30	575	560	515	495	420

BRUSHLESS ALTERNATORS WITH AVR
4 POLES - 1500RPM - 50HZ
254V - 1 PHASE - RECONNECTED



MODEL	WEIGHT [kg]	LEADS	AVR	kVA				
				163°C/27°C	150°C/40°C	125°C/40°C [H]	105°C/40°C [F]	80°C/40°C [B]
E1X13S A/4 - 1ph	63.5	12	HVR11	4.5	4.2	3.8	3.5	3
E1X13S B/4 - 1ph	69.9	12	HVR11	5.7	5.5	5	4.5	4
E1X13S C/4 - 1ph	76.5	12	HVR11	6.8	6.5	6	5.5	4.8
E1X13M E/4 - 1ph	96	12	HVR11	9.5	9.2	9	8	7.2
E1X13M F/4 - 1ph	100	12	HVR11	10.8	10.2	9.3	8.5	7.5
SLT18M C/4 - 1ph	92	12	HVR11	9.5	9	8	7.4	6.5
SLT18M D/4 - 1ph	100	12	HVR11	13.6	13	11.5	11	9.5
PR018S A/4 - 1ph	121	12	HVR11	13.6	13	11.5	11	9.5
PR018S B/4 - 1ph	134.5	12	HVR11	16.5	16	14.5	13.3	12
PR018S C/4 - 1ph	150	12	HVR11	18.5	18	16.5	15	13.2
PR018M D/4 - 1ph	170	12	HVR11	21.5	20.6	19	17.4	15.5
PR018M E/4 - 1ph	200	12	HVR11	26	25	23	21	18.5
PR018L F/4 - 1ph	236.5	12	HVR11	32.5	31	27	26	22
PR018L G/4 - 1ph	267.5	12	HVR11	36	34	33	30	26
PR022S A/4 - 1ph	280	12	HVR11	37	36	34	31	27.5
PR022S B/4 - 1ph	295	12	HVR11	49	46	42	40	34
PR022S C/4 - 1ph	341	12	HVR11	52	50	47	44	38
PR022S D/4 - 1ph	379	12	HVR11	63	61	55	52	44
PR022M E/4 - 1ph	454	12	HVR11	77	76	72	65	57
PR022M F/4 - 1ph	449	12	HVR11	92	89	82	76	60
PR022M G/4 - 1ph	449	6	HVR11	101	97	84	78	68
PR028S A/4 - 1ph	564	12	HVR30	118	115	107	94	86
PR028S B/4 - 1ph	591	12	HVR30	130	127	117	104	94
PR028S C/4 - 1ph	668	12	HVR30	163	160	140	124	112
PR028S D/4 - 1ph	730.5	12	HVR30	170	165	153	128	123
PR028M E/4 - 1ph	833.5	12	HVR30	203	195	187	156	150
PR028M F/4 - 1ph	949	6	HVR30	235	230	220	190	177
PR028L G/4 - 1ph	1034	6	HVR30	260	255	245	225	200
PR035S B/4 - 1ph	1184	12	HVR30	300	290	275	250	230
PR035S C/4 - 1ph	1262.5	6	HVR30	340	325	310	275	250
PR035S D/4 - 1ph	1342.5	12	HVR30	375	355	330	305	270
PR035M E/4 - 1ph	1494	6	HVR30	410	390	365	340	300
PR035M F/4 - 1ph	1500.5	6	HVR30	440	430	410	375	335
PR035M G/4 - 1ph	1658	12	HVR30	480	465	440	390	360
PR035L H/4 - 1ph	1867	6	HVR30	530	510	480	460	390

BRUSHLESS ALTERNATORS WITH AVR
4 POLES - 1500RPM - 50HZ
230V - 1 PHASE - DEDICATED



MODEL	WEIGHT [kg]	LEADS	AVR	kVA				
				163°C/27°C	150°C/40°C	125°C/40°C [H]	105°C/40°C [F]	80°C/40°C [B]
E1X13S A/4 - 1ph	63.5	4	HVR11	6	5.5	5	4.5	4
E1X13S B/4 - 1ph	69.9	4	HVR11	7	6.5	6	5.5	5
E1X13S C/4 - 1ph	76.5	4	HVR11	8.5	8	7.5	6.7	6
E1X13M E/4 - 1ph	96	4	HVR11	11.5	11	10	9	8
E1X13M F/4 - 1ph	100	4	HVR11	12.5	12	11	10	9
SLS18M C/4	90	4	HVR11	11.5	11	10	9.3	8
SLS18M D/4	99	4	HVR11	16.5	16	15	14	12
PR018S A/4 - 1ph	121	4	HVR11	16.5	16	15	14	12
PR018S B/4 - 1ph	134.5	4	HVR11	20	19.5	18	16.5	14.5
PR018S C/4 - 1ph	150	4	HVR11	25	24	22	20	17.5
PR018M D/4 - 1ph	170	4	HVR11	28	27	25	23	20
PR018M E/4 - 1ph	200	4	HVR11	34	32.5	30	27.5	24
PR018L F/4 - 1ph	236.5	4	HVR11	41.5	40	36.5	33	29
PR018L G/4 - 1ph	267.5	4	HVR11	48	47	43	39.5	34.5
PR022S A/4 - 1ph	280	4	HVR11	50.5	49	45	41	36
PR022S B/4 - 1ph	295	4	HVR11	61	59	54	50	43.5
PR022S C/4 - 1ph	341	4	HVR11	68	66	60	55	49
PR022S D/4 - 1ph	379	4	HVR11	81	79	72	66	58
PR022M E/4 - 1ph	454	4	HVR11	106	102	93	85	75
PR022M F/4 - 1ph	499	4	HVR11	118	114	104	95	83

BRUSHLESS ALTERNATORS WITH AVR

4 POLES - 1800RPM - 60HZ

415V - 3 PHASE



MODEL	WEIGHT [kg]	LEADS	AVR	kVA				
				163°C/27°C	150°C/40°C	125°C/40°C [H]	105°C/40°C [F]	80°C/40°C [B]
E1X13S A/4	63.5	12	HVR11	8.4	8	7.4	6.7	5.5
E1X13S B/4	69.9	12	HVR11	10	9.3	9	8.5	7
E1X13S C/4	76.5	12	HVR11	12	11.5	10.8	10	8.6
E1X13M E/4	96	12	HVR11	15	14.5	14	13	11
E1X13M F/4	100	12	HVR11	19	18.5	17	15.5	13.5
SLT18M C/4	92	12	HVR11	18	17.5	16	15	13
SLT18M D/4	100	12	HVR11	25	24	21	20	17
PRO18S A/4	121	12	HVR11	25	24	21	20	17
PRO18S B/4	134.5	12	HVR11	30	28.5	26	24	21
PRO18S C/4	150	12	HVR11	35	36	34	32	27
PRO18M D/4	170	12	HVR11	42	40	38.5	36	31
PRO18M E/4	200	12	HVR11	52	50	48	45	38.5
PRO18L F/4	236.5	12	HVR11	60	58	56	48	45
PRO18L G/4	267.5	12	HVR11	64	62	60	50	48
PRO22S A/4	280	12	HVR11	73.5	71	65	61	52
PRO22S B/4	295	12	HVR11	90	86	81	75	65
PRO22S C/4	341	12	HVR11	105	100	94	88	75
PRO22S D/4	379	12	HVR11	123	118	110	101	88
PRO22M E/4	454	12	HVR11	157	148	139	129	111
PRO22M F/4	499	12	HVR11	170	162	150	139	120
PRO22M G/4	499	6	HVR11	190	180	165	150	132
PRO28S A/4	564	12	HVR30	218	213	196	175	157
PRO28S B/4	591	12	HVR30	250	245	225	200	180
PRO28S C/4	668	12	HVR30	295	290	260	225	208
PRO28S D/4	730.5	12	HVR30	320	310	290	240	232
PRO28M E/4	833.5	12	HVR30	365	345	335	277	268
PRO28M F/4	949	12	HVR30	415	400	390	335	312
PRO28L G/4	1034	6	HVR30	445	435	430	386	344
PRO35S B/4	1184	12	HVR30	530	520	480	440	395
PRO35S C/4	1262.5	6	HVR30	600	575	550	495	450
PRO35S D/4	1342.5	12	HVR30	640	615	580	510	470
PRO35M E/4	1494	6	HVR30	705	680	640	590	520
PRO35M F/4	1500.5	6	HVR30	780	750	715	650	580
PRO35M G/4	1658	12	HVR30	860	830	785	700	640
PRO35L H/4	1867	6	HVR30	950	915	870	860	710
PRO40S A/4	2029	6	HVR30	1120	1090	1050	975	850
PRO40S B/4	2045	6	HVR30	1200	1130	1100	1020	900
PRO40M C/4	2252	6	HVR30	1390	1300	1250	1150	1000
PRO40M D/4	2635	6	HVR30	1650	1600	1480	1400	1200
PRO40L E/4	3275	6	HVR30	1800	1750	1650	1500	1350

BRUSHLESS ALTERNATORS WITH AVR

4 POLES - 1800RPM - 60HZ

440V - 3 PHASE



MODEL	WEIGHT [kg]	LEADS	AVR	kVA				
				163°C/27°C	150°C/40°C	125°C/40°C [H]	105°C/40°C [F]	80°C/40°C [B]
E1X13S A/4	63.5	12	HVR11	9	8.5	8	7.3	6
E1X13S B/4	69.9	12	HVR11	10.5	10	9.5	9	7.6
E1X13S C/4	76.5	12	HVR11	13	12.5	11.5	10.5	9
E1X13M E/4	96	12	HVR11	18	17.5	16.5	15	13
E1X13M F/4	100	12	HVR11	20.5	20	18.5	17	14.5
SLT18M C/4	92	12	HVR11	19	18.5	17	16	14
SLT18M D/4	100	12	HVR11	26	25	23	21	18.5
PRO18S A/4	121	12	HVR11	26	25	23	21	18.5
PRO18S B/4	134.5	12	HVR11	32	30	28	25	18
PRO18S C/4	150	12	HVR11	37.5	36.5	35	33	28
PRO18M D/4	170	12	HVR11	45	42	40	37	32
PRO18M E/4	200	12	HVR11	55	53	50	47	40
PRO18L F/4	236.5	12	HVR11	63	61	57	52	46
PRO18L G/4	267.5	12	HVR11	72	70	68	62	55.5
PRO22S A/4	280	12	HVR11	81	78.5	72	67	58
PRO22S B/4	295	12	HVR11	93	90	86	80	69
PRO22S C/4	341	12	HVR11	110	105	100	93	80
PRO22S D/4	379	12	HVR11	136	130	120	112	96
PRO22M E/4	454	12	HVR11	169	160	150	139	120
PRO22M F/4	499	12	HVR11	192	184	170	158	136
PRO22M G/4	499	6	HVR11	210	200	180	165	144
PRO28S A/4	564	12	HVR30	228	223	205	183	164
PRO28S B/4	591	12	HVR30	265	260	240	210	192
PRO28S C/4	668	12	HVR30	315	305	270	240	216
PRO28S D/4	730.5	12	HVR30	335	320	300	250	240
PRO28M E/4	833.5	12	HVR30	390	370	360	300	288
PRO28M F/4	949	12	HVR30	450	435	420	360	336
PRO28L G/4	1034	6	HVR30	480	470	460	415	368
PRO35S B/4	1184	12	HVR30	565	550	520	465	420
PRO35S C/4	1262.5	6	HVR30	640	615	580	525	470
PRO35S D/4	1342.5	12	HVR30	695	665	635	575	520
PRO35M E/4	1494	6	HVR30	740	720	680	620	550
PRO35M F/4	1500.5	6	HVR30	830	790	760	690	620
PRO35M G/4	1658	12	HVR30	895	865	820	740	670
PRO35L H/4	1867	6	HVR30	1010	975	900	875	730
PRO40S A/4	2029	6	HVR30	1200	1150	1100	1025	900
PRO40S B/4	2045	6	HVR30	1320	1280	1200	1120	960
PRO40M C/4	2252	6	HVR30	1500	1400	1350	1250	1100
PRO40M D/4	2635	6	HVR30	1700	1660	1550	1460	1250
PRO40L E/4	3275	6	HVR30	1900	1860	1750	1600	1450

BRUSHLESS ALTERNATORS WITH AVR

4 POLES - 1800RPM - 60HZ

460V - 3 PHASE



MODEL	WEIGHT [kg]	LEADS	AVR	kVA				
				163°C/27°C	150°C/40°C	125°C/40°C [H]	105°C/40°C [F]	80°C/40°C [B]
E1X13S A/4	63.5	12	HVR11	9.2	8.8	8	7.3	6
E1X13S B/4	69.9	12	HVR11	11	10.5	10	9.3	8
E1X13S C/4	76.5	12	HVR11	13.5	13	12	11	9.5
E1X13M E/4	96	12	HVR11	18.6	18	17	15.5	13.5
E1X13M F/4	100	12	HVR11	21.5	21	19	17.5	15
SLT18M C/4	92	12	HVR11	21	20	18	17	14.5
SLT18M D/4	100	12	HVR11	27	26	24	22	19
PRO18S A/4	121	12	HVR11	27	26	24	22	19
PRO18S B/4	134.5	12	HVR11	34	32	30	27.5	24
PRO18S C/4	150	12	HVR11	39	38	36	33.5	29
PRO18M D/4	170	12	HVR11	47	45	42	38.5	34
PRO18M E/4	200	12	HVR11	57	55	50	47	40
PRO18L F/4	236.5	12	HVR11	65	63	58	53	47
PRO18L G/4	267.5	12	HVR11	78	76	72	66	58
PRO22S A/4	280	12	HVR11	85.5	83	76	70.5	61
PRO22S B/4	295	12	HVR11	98	95	90	83	72
PRO22S C/4	341	12	HVR11	115	110	102	95	82
PRO22S D/4	379	12	HVR11	136	130	120	112	96
PRO22M E/4	454	12	HVR11	176	167	156	145	120
PRO22M F/4	499	12	HVR11	204	195	180	168	144
PRO22M G/4	499	6	HVR11	220	210	192	176	154
PRO28S A/4	564	12	HVR30	240	234	215	192	172
PRO28S B/4	591	12	HVR30	265	260	240	210	192
PRO28S C/4	668	12	HVR30	315	305	270	240	216
PRO28S D/4	730.5	12	HVR30	335	320	300	250	240
PRO28M E/4	833.5	12	HVR30	390	370	360	300	288
PRO28M F/4	949	12	HVR30	450	435	420	360	336
PRO28L G/4	1034	6	HVR30	500	490	480	430	368
PRO35S B/4	1184	12	HVR30	590	575	540	485	440
PRO35S C/4	1262.5	6	HVR30	660	635	600	540	490
PRO35S D/4	1342.5	12	HVR30	725	695	660	590	540
PRO35M E/4	1494	6	HVR30	790	760	720	660	590
PRO35M F/4	1500.5	6	HVR30	880	840	804	730	655
PRO35M G/4	1658	12	HVR30	950	920	870	780	710
PRO35L H/4	1867	6	HVR30	1080	1040	960	935	780
PRO40S A/4	2029	6	HVR30	1260	1200	1116	1044	920
PRO40S B/4	2045	6	HVR30	1416	1370	1260	1176	1000
PRO40M C/4	2252	6	HVR30	1560	1500	1400	1300	1150
PRO40M D/4	2635	6	HVR30	1800	1750	1620	1540	1300
PRO40L E/4	3275	6	HVR30	1980	1920	1800	1650	1470

BRUSHLESS ALTERNATORS WITH AVR

4 POLES - 1800RPM - 60HZ

480V - 3 PHASE



MODEL	WEIGHT [kg]	LEADS	AVR	kVA				
				163°C/27°C	150°C/40°C	125°C/40°C [H]	105°C/40°C [F]	80°C/40°C [B]
E1X13S A/4	63.5	12	HVR11	9.2	8.8	8	7.3	6
E1X13S B/4	69.9	12	HVR11	11	10.5	10	9.3	8
E1X13S C/4	76.5	12	HVR11	13.5	13	12	11	9.5
E1X13M E/4	96	12	HVR11	18.6	18	17	15.5	13.5
E1X13M F/4	100	12	HVR11	21.5	21	19	17.5	15
SLT18M C/4	92	12	HVR11	21	20	18	17	14.5
SLT18M D/4	100	12	HVR11	27	26	24	22	19
PRO18S A/4	121	12	HVR11	27	26	24	22	19
PRO18S B/4	134.5	12	HVR11	34	32	30	27.5	24
PRO18S C/4	150	12	HVR11	39	38	36	33.5	29
PRO18M D/4	170	12	HVR11	47	45	42	38.5	34
PRO18M E/4	200	12	HVR11	57	55	50	47	40
PRO18L F/4	236.5	12	HVR11	66	64	60	54	48
PRO18L G/4	267.5	12	HVR11	78	76	72	66	58
PRO22S A/4	280	12	HVR11	85.5	83	76	70.5	61
PRO22S B/4	295	12	HVR11	98	95	90	83	72
PRO22S C/4	341	12	HVR11	115	110	102	95	82
PRO22S D/4	379	12	HVR11	136	130	120	112	96
PRO22M E/4	454	12	HVR11	176	167	156	145	125
PRO22M F/4	499	12	HVR11	204	195	180	168	144
PRO22M G/4	499	6	HVR11	220	210	192	176	154
PRO28S A/4	564	12	HVR30	240	234	215	192	172
PRO28S B/4	591	12	HVR30	265	260	240	210	192
PRO28S C/4	668	12	HVR30	315	305	270	240	216
PRO28S D/4	730.5	12	HVR30	335	320	300	250	240
PRO28M E/4	833.5	12	HVR30	390	370	360	300	288
PRO28M F/4	949	12	HVR30	450	435	420	360	336
PRO28L G/4	1034	6	HVR30	500	490	480	430	368
PRO35S B/4	1184	12	HVR30	590	575	540	485	440
PRO35S C/4	1262.5	6	HVR30	660	635	600	540	490
PRO35S D/4	1342.5	12	HVR30	725	695	660	590	540
PRO35M E/4	1494	6	HVR30	790	760	720	660	590
PRO35M F/4	1500.5	6	HVR30	880	840	804	730	655
PRO35M G/4	1658	12	HVR30	950	920	870	780	710
PRO35L H/4	1867	6	HVR30	1080	1040	960	935	780
PRO40S A/4	2029	6	HVR30	1260	1200	1116	1044	920
PRO40S B/4	2045	6	HVR30	1416	1370	1260	1176	1000
PRO40M C/4	2252	6	HVR30	1560	1500	1400	1300	1150
PRO40M D/4	2635	6	HVR30	1800	1750	1620	1540	1300
PRO40L E/4	3275	6	HVR30	1980	1920	1800	1650	1470

BRUSHLESS ALTERNATORS WITH AVR
4 POLES - 1800RPM - 60HZ
240V - 1 PHASE - RECONNECTED



MODEL	WEIGHT [kg]	LEADS	AVR	kVA				
				163°C/27°C	150°C/40°C	125°C/40°C [H]	105°C/40°C [F]	80°C/40°C [B]
E1X13S A/4 - 1ph	63.5	12	HVR11	5	4.8	4.4	4	3.6
E1X13S B/4 - 1ph	69.9	12	HVR11	6.3	6	5.5	5	4.6
E1X13S C/4 - 1ph	76.5	12	HVR11	8	7.7	7	6.4	5.5
E1X13M E/4 - 1ph	96	12	HVR11	11.8	11.5	10.5	9.6	8.5
E1X13M F/4 - 1ph	100	12	HVR11	12.5	12	11.2	10.5	9
SLT18M C/4 - 1ph	92	12	HVR11	13.5	12	11	10	9
SLT18M D/4 - 1ph	100	12	HVR11	16	15.6	13.7	13	11
PRO18S A/4 - 1ph	121	12	HVR11	16	15.6	13.7	13	11
PRO18S B/4 - 1ph	134.5	12	HVR11	19.5	18.6	17	15.6	14
PRO18S C/4 - 1ph	150	12	HVR11	24.5	23.5	21.5	19.5	17.5
PRO18M D/4 - 1ph	170	12	HVR11	28	27	24.6	22.5	20
PRO18M E/4 - 1ph	200	12	HVR11	33	31.5	29	26.5	23
PRO18L F/4 - 1ph	236.5	12	HVR11	39	38	36	31	29.5
PRO18L G/4 - 1ph	267.5	12	HVR11	42	40.5	39	33	31.5
PRO22S A/4 - 1ph	280	12	HVR11	48	46	42.5	40	34
PRO22S B/4 - 1ph	295	12	HVR11	58	56	53	49	42
PRO22S C/4 - 1ph	341	12	HVR11	68	65	61	57	49
PRO22S D/4 - 1ph	379	12	HVR11	80	77	72	65	57
PRO22M E/4 - 1ph	454	12	HVR11	102	96	90	84	72
PRO22M F/4 - 1ph	449	12	HVR11	110	105	98	91	78
PRO22M G/4 - 1ph	449	6	HVR11	123	117	107	97	86
PRO28S A/4 - 1ph	564	12	HVR30	142	138	127	114	102
PRO28S B/4 - 1ph	591	12	HVR30	163	160	146	130	117
PRO28S C/4 - 1ph	668	12	HVR30	192	190	170	146	135
PRO28S D/4 - 1ph	730.5	12	HVR30	210	200	190	156	150
PRO28M E/4 - 1ph	833.5	12	HVR30	235	225	220	180	175
PRO28M F/4 - 1ph	949	6	HVR30	270	260	254	220	203
PRO28L G/4 - 1ph	1034	6	HVR30	290	283	280	250	225
PRO35S B/4 - 1ph	1184	12	HVR30	350	340	320	290	260
PRO35S C/4 - 1ph	1262.5	6	HVR30	390	375	360	325	295
PRO35S D/4 - 1ph	1342.5	12	HVR30	420	400	380	335	310
PRO35M E/4 - 1ph	1494	6	HVR30	460	445	420	385	340
PRO35M F/4 - 1ph	1500.5	6	HVR30	510	490	465	425	380
PRO35M G/4 - 1ph	1658	12	HVR30	560	540	510	460	420
PRO35L H/4 - 1ph	1867	6	HVR30	620	595	570	560	460

BRUSHLESS ALTERNATORS WITH AVR

4 POLES - 1800RPM - 60HZ

254V - 1 PHASE - RECONNECTED



MODEL	WEIGHT [kg]	LEADS	AVR	kVA				
				163°C/27°C	150°C/40°C	125°C/40°C [H]	105°C/40°C [F]	80°C/40°C [B]
E1X13S A/4 - 1ph	63.5	12	HVR11	5.5	5.2	4.8	4.4	4
E1X13S B/4 - 1ph	69.9	12	HVR11	6.8	6.5	6	5.5	5
E1X13S C/4 - 1ph	76.5	12	HVR11	8.5	8.2	7.5	7	5.9
E1X13M E/4 - 1ph	96	12	HVR11	12.3	12	11	10	9
E1X13M F/4 - 1ph	100	12	HVR11	13.8	13.2	12.7	11.7	10.2
SLT18M C/4 - 1ph	92	12	HVR11	13	12.5	11.5	10.5	9.5
SLT18M D/4 - 1ph	100	12	HVR11	16.5	16.3	15	13.7	12
PRO18S A/4 - 1ph	121	12	HVR11	16.5	16.3	15	13.7	12
PRO18S B/4 - 1ph	134.5	12	HVR11	20.5	19.7	18	16.5	14.5
PRO18S C/4 - 1ph	150	12	HVR11	25.4	24.4	22.3	20.4	18
PRO18M D/4 - 1ph	170	12	HVR11	29	27.6	25.4	23.2	20.5
PRO18M E/4 - 1ph	200	12	HVR11	34	32.5	30	27.5	24
PRO18L F/4 - 1ph	236.5	12	HVR11	41	40	37	34	30
PRO18L G/4 - 1ph	267.5	12	HVR11	47	46	44	40	36
PRO22S A/4 - 1ph	280	12	HVR11	53	51	47	43.5	38
PRO22S B/4 - 1ph	295	12	HVR11	60	58	56	52	45
PRO22S C/4 - 1ph	341	12	HVR11	72	68	65	61	52
PRO22S D/4 - 1ph	379	12	HVR11	88	86	78	73	63
PRO22M E/4 - 1ph	454	12	HVR11	110	104	97	90	78
PRO22M F/4 - 1ph	449	12	HVR11	125	120	110	103	100
PRO22M G/4 - 1ph	449	6	HVR11	136	130	117	107	94
PRO28S A/4 - 1ph	564	12	HVR30	148	145	133	119	107
PRO28S B/4 - 1ph	591	12	HVR30	172	170	156	137	125
PRO28S C/4 - 1ph	668	12	HVR30	205	200	176	156	140
PRO28S D/4 - 1ph	730.5	12	HVR30	220	210	200	165	156
PRO28M E/4 - 1ph	833.5	12	HVR30	250	240	235	195	185
PRO28M F/4 - 1ph	949	6	HVR30	290	283	275	235	220
PRO28L G/4 - 1ph	1034	6	HVR30	315	307	300	270	240
PRO35S B/4 - 1ph	1184	12	HVR30	370	360	340	310	275
PRO35S C/4 - 1ph	1262.5	6	HVR30	420	400	380	345	310
PRO35S D/4 - 1ph	1342.5	12	HVR30	450	435	415	375	340
PRO35M E/4 - 1ph	1494	6	HVR30	480	470	445	410	360
PRO35M F/4 - 1ph	1500.5	6	HVR30	540	520	495	450	410
PRO35M G/4 - 1ph	1658	12	HVR30	580	565	540	480	440
PRO35L H/4 - 1ph	1867	6	HVR30	660	635	590	570	475

BRUSHLESS ALTERNATORS WITH AVR

4 POLES - 1800RPM - 60HZ

266V - 1 PHASE - RECONNECTED



MODEL	WEIGHT [kg]	LEADS	AVR	kVA				
				163°C/27°C	150°C/40°C	125°C/40°C [H]	105°C/40°C [F]	80°C/40°C [B]
E1X13S A/4 - 1ph	63.5	12	HVR11	6	5.7	5.2	4.7	4.2
E1X13S B/4 - 1ph	69.9	12	HVR11	7.4	7	6.5	6	5.4
E1X13S C/4 - 1ph	76.5	12	HVR11	9	8.7	8	7.3	6.3
E1X13M E/4 - 1ph	96	12	HVR11	12.8	12.4	11.4	10.4	9.2
E1X13M F/4 - 1ph	100	12	HVR11	14.4	13.8	12.7	11.7	10.2
SLT18M C/4 - 1ph	92	12	HVR11	13.5	13	12	11	10
SLT18M D/4 - 1ph	100	12	HVR11	17.5	17	15.6	14.5	12.5
PRO18S A/4 - 1ph	121	12	HVR11	17.5	17	15.6	14.5	12.5
PRO18S B/4 - 1ph	134.5	12	HVR11	22.8	22	20	18.5	16
PRO18S C/4 - 1ph	150	12	HVR11	26.5	25.7	23.5	21.5	19
PRO18M D/4 - 1ph	170	12	HVR11	30.5	29.5	27	24.7	22
PRO18M E/4 - 1ph	200	12	HVR11	36	35	32	29	26
PRO18L F/4 - 1ph	236.5	12	HVR11	42	41	38	34.5	31
PRO18L G/4 - 1ph	267.5	12	HVR11	51	49	47	43	38
PRO22S A/4 - 1ph	280	12	HVR11	56	54	50	46	40
PRO22S B/4 - 1ph	295	12	HVR11	64	62	58	54	47
PRO22S C/4 - 1ph	341	12	HVR11	75	72	66	62	53
PRO22S D/4 - 1ph	379	12	HVR11	88	86	78	73	63
PRO22M E/4 - 1ph	454	12	HVR11	115	109	102	94	78
PRO22M F/4 - 1ph	449	12	HVR11	133	127	117	110	87
PRO22M G/4 - 1ph	449	6	HVR11	143	136	125	114	100
PRO28S A/4 - 1ph	564	12	HVR30	156	152	140	125	112
PRO28S B/4 - 1ph	591	12	HVR30	172	170	156	137	125
PRO28S C/4 - 1ph	668	12	HVR30	205	200	176	156	140
PRO28S D/4 - 1ph	730.5	12	HVR30	220	210	200	165	156
PRO28M E/4 - 1ph	833.5	12	HVR30	250	240	235	195	185
PRO28M F/4 - 1ph	949	6	HVR30	290	283	275	235	220
PRO28L G/4 - 1ph	1034	6	HVR30	325	320	315	280	240
PRO35S B/4 - 1ph	1184	12	HVR30	385	380	355	320	290
PRO35S C/4 - 1ph	1262.5	6	HVR30	430	415	390	350	320
PRO35S D/4 - 1ph	1342.5	12	HVR30	475	450	430	385	350
PRO35M E/4 - 1ph	1494	6	HVR30	515	495	470	430	385
PRO35M F/4 - 1ph	1500.5	6	HVR30	570	550	525	475	430
PRO35M G/4 - 1ph	1658	12	HVR30	620	600	570	510	460
PRO35L H/4 - 1ph	1867	6	HVR30	700	675	625	610	510

BRUSHLESS ALTERNATORS WITH AVR

4 POLES - 1800RPM - 60HZ

277V - 1 PHASE - RECONNECTED



MODEL	WEIGHT [kg]	LEADS	AVR	kVA				
				163°C/27°C	150°C/40°C	125°C/40°C [H]	105°C/40°C [F]	80°C/40°C [B]
E1X13S A/4 - 1ph	63.5	12	HVR11	6	5.7	5.2	4.7	4.2
E1X13S B/4 - 1ph	69.9	12	HVR11	7.4	7	6.5	6	5.4
E1X13S C/4 - 1ph	76.5	12	HVR11	9	8.7	8	7.3	6.3
E1X13M E/4 - 1ph	96	12	HVR11	12.8	12.4	11.4	10.4	9.2
E1X13M F/4 - 1ph	100	12	HVR11	14.4	13.8	12.7	11.7	10.2
SLT18M C/4 - 1ph	92	12	HVR11	13.5	13	12	11	10
SLT18M D/4 - 1ph	100	12	HVR11	17.5	17	15.6	14.5	12.5
PR018S A/4 - 1ph	121	12	HVR11	17.5	17	15.6	14.5	12.5
PR018S B/4 - 1ph	134.5	12	HVR11	22.8	22	20	18.5	16
PR018S C/4 - 1ph	150	12	HVR11	26.5	25.7	23.5	21.5	19
PR018M D/4 - 1ph	170	12	HVR11	30.5	29.5	27	24.7	22
PR018M E/4 - 1ph	200	12	HVR11	36	35	32	29	26
PR018L F/4 - 1ph	236.5	12	HVR11	43	42	39	35	31.5
PR018L G/4 - 1ph	267.5	12	HVR11	51	49	47	43	38
PR022S A/4 - 1ph	280	12	HVR11	56	54	50	46	40
PR022S B/4 - 1ph	295	12	HVR11	64	62	58	54	47
PR022S C/4 - 1ph	341	12	HVR11	75	72	66	62	53
PR022S D/4 - 1ph	379	12	HVR11	88	86	78	73	63
PR022M E/4 - 1ph	454	12	HVR11	115	109	102	94	81
PR022M F/4 - 1ph	449	12	HVR11	133	127	117	110	87
PR022M G/4 - 1ph	449	6	HVR11	143	136	125	114	100
PR028S A/4 - 1ph	564	12	HVR30	156	152	140	125	112
PR028S B/4 - 1ph	591	12	HVR30	172	170	156	137	125
PR028S C/4 - 1ph	668	12	HVR30	205	200	176	156	140
PR028S D/4 - 1ph	730.5	12	HVR30	220	210	200	165	156
PR028M E/4 - 1ph	833.5	12	HVR30	250	240	235	195	185
PR028M F/4 - 1ph	949	6	HVR30	290	283	275	235	220
PR028L G/4 - 1ph	1034	6	HVR30	325	320	315	280	240
PR035S B/4 - 1ph	1184	12	HVR30	385	380	355	320	290
PR035S C/4 - 1ph	1262.5	6	HVR30	430	415	390	350	320
PR035S D/4 - 1ph	1342.5	12	HVR30	475	450	430	385	350
PR035M E/4 - 1ph	1494	6	HVR30	515	495	470	430	385
PR035M F/4 - 1ph	1500.5	6	HVR30	570	550	525	475	430
PR035M G/4 - 1ph	1658	12	HVR30	620	600	570	510	460
PR035L H/4 - 1ph	1867	6	HVR30	700	675	625	610	510

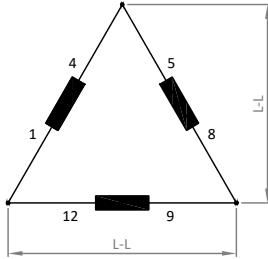
BRUSHLESS ALTERNATORS WITH AVR
4 POLES - 1800RPM - 60HZ
240V - 1 PHASE - DEDICATED



MODEL	WEIGHT [kg]	LEADS	AVR	kVA				
				163°C/27°C	150°C/40°C	125°C/40°C [H]	105°C/40°C [F]	80°C/40°C [B]
E1X13S A/4 - 1ph	63.5	4	HVR11	7	6.5	6	5.5	4.8
E1X13S B/4 - 1ph	69.9	4	HVR11	8	7.5	7	7	6
E1X13S C/4 - 1ph	76.5	4	HVR11	10	9.5	9	8	7
E1X13M E/4 - 1ph	96	4	HVR11	14	13	12.5	11.5	10
E1X13M F/4 - 1ph	100	4	HVR11	16	15.5	14	13	11.5
SLS18M C/4	90	4	HVR11	14	13	12	11	9.5
SLS18M D/4	99	4	HVR11	20	18.5	18	16.5	14.5
PR018S A/4 - 1ph	121	4	HVR11	20	18.5	18	16.5	14.5
PR018S B/4 - 1ph	134.5	4	HVR11	25	23.5	22	20	17.5
PR018S C/4 - 1ph	150	4	HVR11	30	28	26.5	24.5	21.5
PR018M D/4 - 1ph	170	4	HVR11	34.5	33	30.5	28	24.5
PR018M E/4 - 1ph	200	4	HVR11	41.5	40	36.5	34.5	30
PR018L F/4 - 1ph	236.5	4	HVR11	50	46.5	44	39.5	34.5
PR018L G/4 - 1ph	267.5	4	HVR11	60	55.5	52.5	48	42
PR022S A/4 - 1ph	280	4	HVR11	61	58	54	50	44
PR022S B/4 - 1ph	295	4	HVR11	72	69	65	60	55
PR022S C/4 - 1ph	341	4	HVR11	79	76	72	67	60
PR022S D/4 - 1ph	379	4	HVR11	95	91	86	80	72
PR022M E/4 - 1ph	454	4	HVR11	123	118	112	103	95
PR022M F/4 - 1ph	499	4	HVR11	136	130	125	118	110

BRUSHLESS ALTERNATORS WITH AVR CONNECTION DIAGRAMS

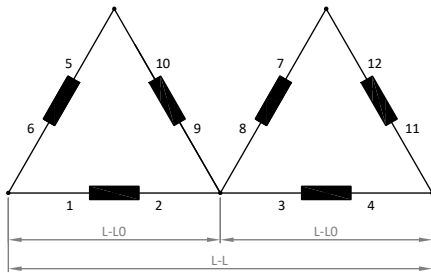
DELTA



Hz	L-L
50	220
	230
	240
	254
60	240
	254
	266
	277

DOUBLE DELTA

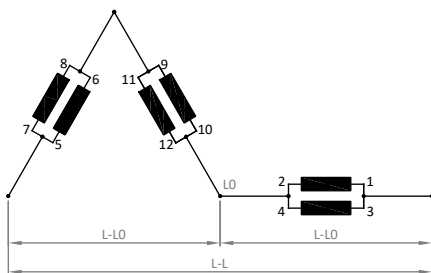
Single Phase Connection



Hz	L-L	L-L0
50	220	110
	230	115
	240	120
	254	127
60	240	120
	254	127
	266	133
	277	138

PARALLEL LOW ZIGZAG

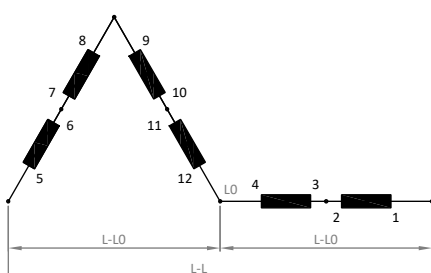
Single Phase Connection



Hz	L-L	L-L0
50	220	110
	230	115
	240	120
	254	127
60	240	120
	254	127
	266	133
	277	138

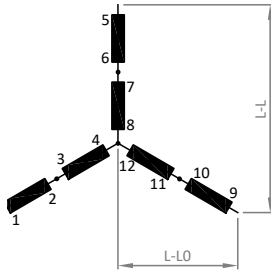
SERIES HIGH ZIGZAG

Single Phase Connection



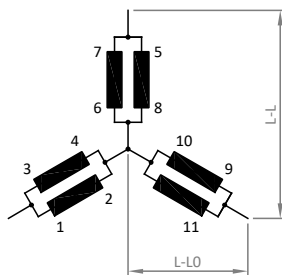
Hz	L-L	L-L0
50	440	220
	460	230
	480	240
	508	254
60	480	240
	508	254
	532	266
	554	277

SERIES HIGH WYE



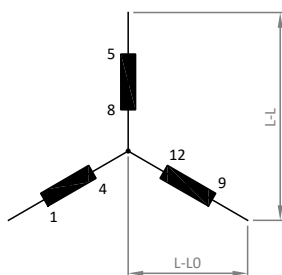
Hz	L-L	L-LO
50	380	220
	400	230
	415	240
	440	254
60	415	240
	440	254
	460	266
	480	277

PARALLEL LOW WYE



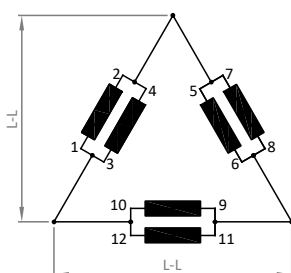
Hz	L-L	L-LO
50	190	110
	200	115
	208	120
	220	127
60	208	120
	220	127
	230	133
	240	138

WYE



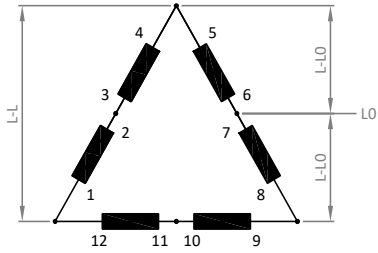
Hz	L-L	L-LO
50	380	220
	400	230
	415	240
	440	254
60	415	240
	440	254
	460	266
	480	277

PARALLEL LOW DELTA



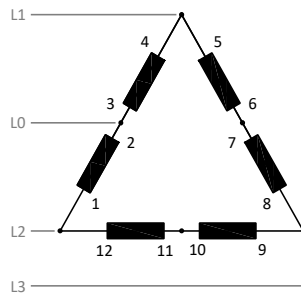
Hz	L-L
50	110
	115
	120
	127
60	120
	127
	133
	138

SERIES HIGH DELTA



Hz	L-L	L-L0
50	220	110
	230	115
	240	120
	254	127
60	240	120
	254	127
	266	133
	277	138

3 PHASE 4 WIRES DELTA WITH NEUTRAL



Hz	L-L	L1-L0	L2-L0	L3-L0
50	220	110	110	190
	230	115	115	200
	240	120	120	208
	254	127	127	220
60	240	120	120	208
	254	127	127	220
	266	133	133	230
	277	138	138	240

