



**AvK<sup>®</sup>**

# **ALTERNATOR RATINGS**

Industrial  
Edition 3

**NEWAGE<sup>®</sup> | STAMFORD<sup>®</sup> | AvK<sup>®</sup>**

Powering the world with confidence since 1904



# Introduction



## Rating Definitions

All ratings are based on Rise by Resistance measurement method. Ratings based on Embedded Temperature Device (ETD) measurement may be provided under application to Cummins Generator Technologies.

### Thermal Insulation Class

Insulation class governs the maximum permissible temperature an alternator can operate without damaging the insulation system. Cummins Generator Technologies use Class H & Class F.

Insulation Class	Maximum Permissible Temperature
Class F	155 °C
Class H	180 °C

### Temperature Rise

Temperature rise is the increase in temperature above ambient temperature 40 °C.

Temperature Rise	Temperature °C
Class B	80 °C
Class F	105 °C
Class H	125 °C

Standby application allows windings to run hotter than the Class H temperature rise limit, therefore for an ambient of 40 °C temperature rise 150 °C  
27 °C temperature rise 163 °C

## Generator Set Ratings

The tables below summarises the definitions according to ISO8528-1 for the generator set and a combination of ISO8528-3 and IEC60034-1 for the alternator.

Genset Rating (ISO8528-1)	Emergency Standby Power (ESP)	Limited Time Prime (LTP)	Prime Rated Power (PRP)	Continuous Operating Power (COP)
Load type	Variable	Constant	Variable	Constant
Annual operating hours	200	500	Unlimited	Unlimited
Average load	70%	100%	70%	100%
Overload	No	No	10% (1 hour in every 12 Hrs)	No
Alternator Rating (NEMA MG1-32)	Standby	Standby	Continuous	Continuous
Duty Cycle (IEC 60034-1)	S10	S10	S1	S1
Alternator Ratings	Standby 150/40 Standby 163/27	Standby 150/40 Standby 163/27	Class H 125/40 Class F 105/40 Class B 80/40	Class H 125/40 Class F 105/40 Class B 80/40



# Introduction



## Derates

### Ambient Temperature

If the ambient (alternator air inlet temperature) exceeds 40 °C then the alternator output rating must be reduced using the following tables.

### DSG or DIG

Utilisation	Class H	Class F	Class B
Temperature °C	Multiplying Factor	Multiplying Factor	Multiplying Factor
45	0.968	0.963	0.955
50	0.935	0.925	0.910
55	0.903	0.888	0.865
60	0.870	0.850	0.820

For ambient temperatures above 60 °C please consult applications engineering.

### Altitude (Low Voltage ≤ 690V)

All ratings are based on altitude up to 1000 metres above sea level. If the altitude exceeds 1000m then the alternator output ratings must be derated using the following table.

Altitude above sea level in metres	Multiplying Factor
1500	0.95
2000	0.9
2500	0.85
3000	0.8

Please consult applications engineering department for

1. High Voltages (>690V)
2. Altitudes above 3000m



## Introduction



## Useful Formulas

TO OBTAIN	Single Phase AC power	Three Phase AC power
kilowatts electrical (kW)	$\frac{\text{Volts} \times \text{Amps} \times \text{PF}}{1000}$	$\frac{\text{Volts} \times \text{Amps} \times \text{PF} \times \sqrt{3}}{1000}$
kilowatts electrical (kW)	$kVA \times PF$	$kVA \times PF$
kilowatts mechanical (kWm)	$\frac{kVA \times PF}{\text{Alternator Efficiency}}$	$\frac{kVA \times PF}{\text{Alternator Efficiency}}$
kVA	$\frac{\text{Volts} \times \text{Amps}}{1000}$	$\frac{\text{Volts} \times \text{Amps} \times \sqrt{3}}{1000}$
Amps	$\frac{kVA \times 1000}{\text{Volts}}$	$\frac{kVA \times 1000}{\text{Volts} \times \sqrt{3}}$
Speed (rpm)	$\frac{120 \times \text{Frequency}}{\# \text{ Poles}}$	$\frac{120 \times \text{Frequency}}{\# \text{ Poles}}$
Reactive Power (kVA <sub>r</sub> )	$\frac{\text{Volts} \times \text{Amps} \times \sin\phi}{1000}$	$\frac{\text{Volts} \times \text{Amps} \times \sqrt{3} \times \sin\phi}{1000}$
% Voltage regulation (for Steady- Loads, from No-Load to Full-Load)	$\frac{V_{NL} - V_{FL}}{V_{FL}} \times 100$	$\frac{V_{NL} - V_{FL}}{V_{FL}} \times 100$
Horsepower required to drive alternator	$\frac{kW}{0.746 \times \text{Alternator Efficiency}}$	$\frac{kW}{0.746 \times \text{Alternator Efficiency}}$
First cycle RMS short circuit current (±10%)	$\frac{\text{Rated Amperes}}{puX''d}$	$\frac{\text{Rated Amperes}}{puX''d}$

- “PF” refers to power factor, which is expressed as a decimal fraction. For example, 80% power factor = 0.8 for the purposes of calculations.
- # Poles refers to number of Poles
- “Volts” refers to line-to-line voltage.
- “Amps” refers to line current in amperes.
- “pu” refers to per unit



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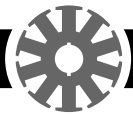
### 60Hz 720rpm

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# 4 POLE Low Voltage



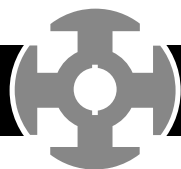
Star 400V

50Hz/1500rpm

0.8 Power Factor

Model	TEMPERATURE RISE									
	Standby 163/27		Standby 150/40		Continuous 125/40 (H)		Continuous 105/40 (F)		Continuous 80/40 (B)	
	kVA	kW	kVA	kW	kVA	kW	kVA	kW	kVA	kW
DSG 62 M1/4	726	581	706	565	660	528	568	454	462	370
DSG 62 M2/4	825	660	803	642	750	600	645	516	525	420
DSG 62 L1/4	990	792	963	770	900	720	774	619	630	504
DSG 62 L2/4	1210	968	1177	942	1100	880	946	757	770	616
DSG 74 M1/4	1540	1232	1498	1198	1400	1120	1204	963	980	784
DSG 74 M2/4	1716	1373	1669	1335	1560	1248	1342	1073	1092	874
DSG 74 L1/4	1925	1540	1873	1498	1750	1400	1505	1204	1225	980
DSG 74 L2/4	2200	1760	2140	1712	2000	1600	1720	1376	1400	1120
DSG 86 K1/4	2420	1936	2354	1883	2200	1760	2002	1602	1760	1408
DSG 86 M1/4	2860	2288	2782	2226	2600	2080	2366	1893	2080	1664
DSG 86 L1/4	3300	2640	3210	2568	3000	2400	2730	2184	2400	1920
DSG 99 K1/4	3960	3168	3852	3082	3600	2880	3276	2621	2880	2304
DSG 114 K1/4	4400	3520	4280	3424	4000	3200	3720	2976	3280	2624
DSG 99 L1/4	4950	3960	4815	3852	4500	3600	4095	3276	3600	2880
DSG 114 L1/4	5500	4400	5350	4280	5000	4000	4650	3720	4100	3280





# 4 POLE Low Voltage



Star 690V

50Hz/1500rpm

0.8 Power Factor

Model	TEMPERATURE RISE									
	Standby 163/27		Standby 150/40		Continuous 125/40 (H)		Continuous 105/40 (F)		Continuous 80/40 (B)	
	kVA	kW	kVA	kW	kVA	kW	kVA	kW	kVA	kW
DSG 62 M1/4	715	572	696	556	650	520	559	447	455	364
DSG 62 M2/4	858	686	835	668	780	624	671	537	546	437
DSG 62 L1/4	946	757	920	736	860	688	740	592	602	482
DSG 62 L2/4	1210	968	1177	942	1100	880	946	757	770	616
DSG 74 M1/4	1452	1162	1412	1130	1320	1056	1135	908	924	739
DSG 74 M2/4	1650	1320	1605	1284	1500	1200	1290	1032	1050	840
DSG 74 L1/4	1914	1531	1862	1489	1740	1392	1496	1197	1218	974
DSG 74 L2/4	2090	1672	2033	1626	1900	1520	1634	1307	1330	1064
DSG 86 K1/4	2222	1778	2161	1729	2020	1616	1838	1471	1616	1293
DSG 86 M1/4	2657	2125	2584	2067	2415	1932	2198	1758	1932	1546
DSG 86 L1/4	3289	2631	3199	2559	2990	2392	2721	2177	2392	1914
DSG 99 K1/4	3861	3089	3756	3005	3510	2808	3194	2555	2808	2246
DSG 99 L1/4	4510	3608	4387	3510	4100	3280	3731	2985	3280	2624
DSG 99 M1/4	4543	3634	4419	3535	4130	3304	3758	3007	3304	2643
DSG 99 L1/4	5170	4136	5029	4023	4700	3760	4277	3422	3760	3008



# 4 POLE Low Voltage



Star 480V

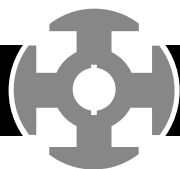
**60Hz/1800rpm**  
**0.8 Power Factor**

Model	TEMPERATURE RISE									
	Standby 163/27		Standby 150/40		Continuous 125/40 (H)		Continuous 105/40 (F)		Continuous 80/40 (B)	
	kVA	kW	kVA	kW	kVA	kW	kVA	kW	kVA	kW
DSG 62 M1/4	869	695	845	676	790	632	679	544	553	442
DSG 62 M2/4	990	792	963	770	900	720	774	619	630	504
DSG 62 L1/4	1188	950	1156	924	1080	864	929	743	756	605
DSG 62 L2/4	1452	1162	1412	1130	1320	1056	1135	908	924	739
DSG 74 M1/4	1848	1478	1798	1438	1680	1344	1445	1156	1176	941
DSG 74 M2/4	2057	1646	2001	1601	1870	1496	1608	1287	1309	1047
DSG 74 L1/4	2310	1848	2247	1798	2100	1680	1806	1445	1470	1176
DSG 74 L2/4	2640	2112	2568	2054	2400	1920	2064	1651	1680	1344
DSG 86 K1/4	2904	2323	2825	2260	2640	2112	2402	1922	2112	1690
DSG 86 M1/4	3432	2746	3338	2671	3120	2496	2839	2271	2496	1997
DSG 86 L1/4	3960	3168	3852	3082	3600	2880	3276	2621	2880	2304
DSG 99 K1/4	4752	3802	4622	3698	4320	3456	3931	3145	3456	2765
DSG 114 K1/4	5280	4224	5136	4109	4800	3840	4464	3571	3936	3149
DSG 99 L1/4	5940	4752	5778	4622	5400	4320	4914	3931	4320	3456
DSG 114 L1/4	6600	5280	6420	5136	6000	4800	5580	4464	4920	3936

Star 600V

**60Hz/1800rpm**  
**0.8 Power Factor**

Model	TEMPERATURE RISE									
	Standby 163/27		Standby 150/40		Continuous 125/40 (H)		Continuous 105/40 (F)		Continuous 80/40 (B)	
	kVA	kW	kVA	kW	kVA	kW	kVA	kW	kVA	kW
DSG 86 K1/4	2219	1775	2159	1727	2017	1614	1836	1469	1614	1291
DSG 86 M1/4	2583	2066	2512	2010	2348	1878	2137	1709	1878	1503
DSG 86 L1/4	2965	2372	2884	2307	2696	2157	2453	1962	2157	1725
DSG 99 K0/4	3357	2686	3266	2613	3052	2442	2777	2222	2442	1953
DSG 99 K1/4	3950	3160	3843	3074	3591	2873	3268	2614	2873	2298
DSG 99 M1/4	4496	3597	4373	3498	4087	3270	3719	2975	3270	2616
DSG 99 L1/4	5070	4056	4931	3945	4609	3687	4194	3355	3687	2950



# 4 POLE Low Voltage



Star 690V

60Hz/1800rpm

0.8 Power Factor

Model	TEMPERATURE RISE									
	Standby 163/27		Standby 150/40		Continuous 125/40 (H)		Continuous 105/40 (F)		Continuous 80/40 (B)	
	kVA	kW	kVA	kW	kVA	kW	kVA	kW	kVA	kW
DSG 62 M1/4	858	686	835	668	780	624	671	537	546	437
DSG 62 M2/4	946	757	920	736	860	688	740	592	602	482
DSG 62 L1/4	1210	968	1177	942	1100	880	946	757	770	616
DSG 62 L2/4	1430	1144	1391	1113	1300	1040	1118	894	910	728
DSG 74 M1/4	1650	1320	1605	1284	1500	1200	1290	1032	1050	840
DSG 74 M2/4	1914	1531	1862	1489	1740	1392	1496	1197	1218	974
DSG 74 L1/4	2310	1848	2247	1798	2100	1680	1806	1445	1470	1176
DSG 74 L2/4	2541	2033	2472	1977	2310	1848	1987	1589	1617	1294
DSG 86 K1/4	2552	2042	2482	1986	2320	1856	2111	1689	1856	1485
DSG 86 M1/4	2970	2376	2889	2311	2700	2160	2457	1966	2160	1728
DSG 86 L1/4	3410	2728	3317	2654	3100	2480	2821	2257	2480	1984
DSG 99 K0/4	3861	3089	3756	3005	3510	2808	3194	2555	2808	2246
DSG 99 K1/4	4543	3634	4419	3535	4130	3304	3758	3007	3304	2643
DSG 99 M1/4	5170	4136	5029	4023	4700	3760	4277	3422	3760	3008
DSG 99 L1/4	5830	4664	5671	4537	5300	4240	4823	3858	4240	3392



# 4 POLE High Voltage

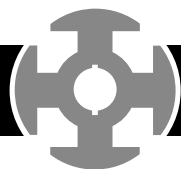


Star 3300V

50Hz/1500rpm

0.8 Power Factor

Model	TEMPERATURE RISE							
	Standby 138/27		Standby 125/40		Continuous 105/40 (F)		Continuous 80/40 (B)	
	kVA	kW	kVA	kW	kVA	kW	kVA	kW
DIG 110 g/4	825	660	803	642	750	600	660	528
DIG 110 h/4	990	792	963	770	900	720	792	634
DIG 110 i/4	1188	950	1156	924	1080	864	950	760
DIG 120 g/4	1430	1144	1391	1113	1300	1040	1144	915
DIG 120 h/4	1650	1320	1605	1284	1500	1200	1320	1056
DIG 120 i/4	1925	1540	1873	1498	1750	1400	1540	1232
DIG 120 k/4	2255	1804	2194	1755	2050	1640	1804	1443
DIG 130 h/4	2475	1980	2408	1926	2250	1800	1980	1584
DIG 130 i/4	2860	2288	2782	2226	2600	2080	2288	1830
DIG 130 k/4	3300	2640	3210	2568	3000	2400	2640	2112
DIG 130 l/4	3630	2904	3531	2825	3300	2640	2904	2323
DIG 142 c/4	4136	3309	4023	3219	3760	3008	3309	2647
DIG 130 m/4	4235	3388	4120	3296	3850	3080	3388	2710
DIG 142 d/4	4455	3564	4334	3467	4050	3240	3564	2851
DIG 142 f/4	5280	4224	5136	4109	4800	3840	4224	3379
DIG 142 g/4	5555	4444	5404	4323	5050	4040	4444	3555
DIG 150 k/4	5610	4488	5457	4366	5100	4080	4488	3590
DIG 142 i/4	6380	5104	6206	4965	5800	4640	5104	4083
DIG 150 l/4	6380	5104	6206	4965	5800	4640	5104	4083
DIG 150 m/4	7150	5720	6955	5564	6500	5200	5720	4576
DIG 150 n/4	7370	5896	7169	5735	6700	5360	5896	4717
DIG 150 o/4	8140	6512	7918	6334	7400	5920	6512	5210



# 4 POLE High Voltage

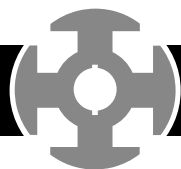


Star 6300V

50Hz/1500rpm

0.8 Power Factor

Model	TEMPERATURE RISE							
	Standby 138/27		Standby 125/40		Continuous 105/40 (F)		Continuous 80/40 (B)	
	kVA	kW	kVA	kW	kVA	kW	kVA	kW
DIG 110 g/4	825	660	803	642	750	600	660	528
DIG 110 h/4	990	792	963	770	900	720	792	634
DIG 110 i/4	1188	950	1156	924	1080	864	950	760
DIG 120 g/4	1430	1144	1391	1113	1300	1040	1144	915
DIG 120 h/4	1650	1320	1605	1284	1500	1200	1320	1056
DIG 120 i/4	1925	1540	1873	1498	1750	1400	1540	1232
DIG 130 g/4	2090	1672	2033	1626	1900	1520	1672	1338
DIG 130 h/4	2365	1892	2301	1840	2150	1720	1892	1514
DIG 130 i/4	2860	2288	2782	2226	2600	2080	2288	1830
DIG 130 k/4	3300	2640	3210	2568	3000	2400	2640	2112
DIG 130 L/4	3630	2904	3531	2825	3300	2640	2904	2323
DIG 142 c/4	4136	3309	4023	3219	3760	3008	3309	2647
DIG 142 d/4	4455	3564	4334	3467	4050	3240	3564	2851
DIG 142 e/4	4895	3916	4762	3809	4450	3560	3916	3133
DIG 142 f/4	5280	4224	5136	4109	4800	3840	4224	3379
DIG 142 g/4	5555	4444	5404	4323	5050	4040	4444	3555
DIG 150 k/4	5610	4488	5457	4366	5100	4080	4488	3590
DIG 142 h/4	5830	4664	5671	4537	5300	4240	4664	3731
DIG 150 l/4	6215	4972	6046	4836	5650	4520	4972	3978
DIG 142 i/4	6380	5104	6206	4965	5800	4640	5104	4083
DIG 150 m/4	6930	5544	6741	5393	6300	5040	5544	4435
DIG 150 n/4	7535	6028	7330	5864	6850	5480	6028	4822
DIG 150 o/4	7700	6160	7490	5992	7000	5600	6160	4928



# 4 POLE High Voltage



Star 6600V

50Hz/1500rpm

0.8 Power Factor

Model	TEMPERATURE RISE							
	Standby 138/27		Standby 125/40		Continuous 105/40 (F)		Continuous 80/40 (B)	
	kVA	kW	kVA	kW	kVA	kW	kVA	kW
DIG 110 g/4	825	660	803	642	750	600	660	528
DIG 110 h/4	990	792	963	770	900	720	792	634
DIG 110 i/4	1188	950	1156	924	1080	864	950	760
DIG 120 g/4	1430	1144	1391	1113	1300	1040	1144	915
DIG 120 h/4	1650	1320	1605	1284	1500	1200	1320	1056
DIG 120 i/4	1925	1540	1873	1498	1750	1400	1540	1232
DIG 130 g/4	2090	1672	2033	1626	1900	1520	1672	1338
DIG 130 h/4	2365	1892	2301	1840	2150	1720	1892	1514
DIG 130 i/4	2860	2288	2782	2226	2600	2080	2288	1830
DIG 130 k/4	3300	2640	3210	2568	3000	2400	2640	2112
DIG 142 c/4	4136	3309	4023	3219	3760	3008	3309	2647
DIG 142 d/4	4455	3564	4334	3467	4050	3240	3564	2851
DIG 142 e/4	4895	3916	4762	3809	4450	3560	3916	3133
DIG 142 f/4	5280	4224	5136	4109	4800	3840	4224	3379
DIG 142 g/4	5555	4444	5404	4323	5050	4040	4444	3555
DIG 150 k/4	5610	4488	5457	4366	5100	4080	4488	3590
DIG 142 h/4	5830	4664	5671	4537	5300	4240	4664	3731
DIG 150 l/4	6215	4972	6046	4836	5650	4520	4972	3978
DIG 142 i/4	6380	5104	6206	4965	5800	4640	5104	4083
DIG 150 m/4	6930	5544	6741	5393	6300	5040	5544	4435
DIG 150 n/4	7370	5896	7169	5735	6700	5360	5896	4717
DIG 150 o/4	7700	6160	7490	5992	7000	5600	6160	4928



# 4 POLE High Voltage

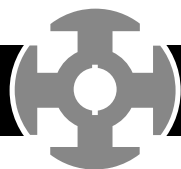


Star 10500V

50Hz/1500rpm

0.8 Power Factor

Model	TEMPERATURE RISE							
	Standby 138/27		Standby 125/40		Continuous 105/40 (F)		Continuous 80/40 (B)	
	kVA	kW	kVA	kW	kVA	kW	kVA	kW
DIG 110 h/4	990	792	963	770	900	720	792	634
DIG 110 i/4	1188	950	1156	924	1080	864	950	760
DIG 120 g/4	1265	1012	1231	984	1150	920	1012	810
DIG 120 h/4	1507	1206	1466	1173	1370	1096	1206	964
DIG 120 i/4	1815	1452	1766	1412	1650	1320	1452	1162
DIG 130 g/4	1980	1584	1926	1541	1800	1440	1584	1267
DIG 130 h/4	2310	1848	2247	1798	2100	1680	1848	1478
DIG 130 i/4	2750	2200	2675	2140	2500	2000	2200	1760
DIG 130 k/4	3080	2464	2996	2397	2800	2240	2464	1971
DIG 142 c/4	4136	3309	4023	3219	3760	3008	3309	2647
DIG 142 d/4	4455	3564	4334	3467	4050	3240	3564	2851
DIG 142 e/4	4895	3916	4762	3809	4450	3560	3916	3133
DIG 142 f/4	5280	4224	5136	4109	4800	3840	4224	3379
DIG 150 k/4	5500	4400	5350	4280	5000	4000	4400	3520
DIG 142 g/4	5555	4444	5404	4323	5050	4040	4444	3555
DIG 142 h/4	5830	4664	5671	4537	5300	4240	4664	3731
DIG 150 l/4	5940	4752	5778	4622	5400	4320	4752	3802
DIG 142 i/4	6380	5104	6206	4965	5800	4640	5104	4083
DIG 150 m/4	6655	5324	6474	5179	6050	4840	5324	4259
DIG 150 n/4	7150	5720	6955	5564	6500	5200	5720	4576



# 4 POLE High Voltage



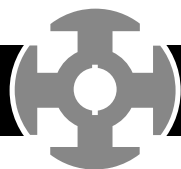
Star 11000V

50Hz/1500rpm

0.8 Power Factor

Model	TEMPERATURE RISE							
	Standby 138/27		Standby 125/40		Continuous 105/40 (F)		Continuous 80/40 (B)	
	kVA	kW	kVA	kW	kVA	kW	kVA	kW
DIG 110 h/4	990	792	963	770	900	720	792	634
DIG 110 i/4	1188	950	1156	924	1080	864	950	760
DIG 120 g/4	1265	1012	1231	984	1150	920	1012	810
DIG 120 h/4	1507	1206	1466	1173	1370	1096	1206	964
DIG 120 i/4	1815	1452	1766	1412	1650	1320	1452	1162
DIG 130 g/4	1980	1584	1926	1541	1800	1440	1584	1267
DIG 130 h/4	2310	1848	2247	1798	2100	1680	1848	1478
DIG 130 i/4	2750	2200	2675	2140	2500	2000	2200	1760
DIG 130 k/4	3080	2464	2996	2397	2800	2240	2464	1971
DIG 130 L/4	3520	2816	3424	2739	3200	2560	2816	2253
DIG 142 c/4	4136	3309	4023	3219	3760	3008	3309	2647
DIG 142 d/4	4455	3564	4334	3467	4050	3240	3564	2851
DIG 142 e/4	4895	3916	4762	3809	4450	3560	3916	3133
DIG 142 f/4	5280	4224	5136	4109	4800	3840	4224	3379
DIG 150 k/4	5390	4312	5243	4194	4900	3920	4312	3450
DIG 142 g/4	5555	4444	5404	4323	5050	4040	4444	3555
DIG 142 h/4	5830	4664	5671	4537	5300	4240	4664	3731
DIG 150 l/4	6050	4840	5885	4708	5500	4400	4840	3872
DIG 142 i/4	6380	5104	6206	4965	5800	4640	5104	4083
DIG 150 m/4	6545	5236	6367	5093	5950	4760	5236	4189
DIG 150 n/4	7150	5720	6955	5564	6500	5200	5720	4576





# 4 POLE High Voltage

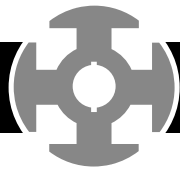


Star 4160V

60Hz/1800rpm

0.8 Power Factor

Model	TEMPERATURE RISE							
	Standby 138/27		Standby 125/40		Continuous 105/40 (F)		Continuous 80/40 (B)	
	kVA	kW	kVA	kW	kVA	kW	kVA	kW
DIG 110 g/4	990	792	963	770	900	720	792	634
DIG 110 h/4	1188	950	1156	924	1080	864	950	760
DIG 110 i/4	1430	1144	1391	1113	1300	1040	1144	915
DIG 120 g/4	1793	1434	1744	1395	1630	1304	1434	1148
DIG 120 h/4	2090	1672	2033	1626	1900	1520	1672	1338
DIG 120 i/4	2420	1936	2354	1883	2200	1760	1936	1549
DIG 120 k/4	2860	2288	2782	2226	2600	2080	2288	1830
DIG 130 h/4	3135	2508	3050	2440	2850	2280	2508	2006
DIG 130 i/4	3465	2772	3371	2696	3150	2520	2772	2218
DIG 130 k/4	3960	3168	3852	3082	3600	2880	3168	2534
DIG 130 l/4	4400	3520	4280	3424	4000	3200	3520	2816
DIG 142 c/4	4756	3805	4627	3701	4324	3459	3805	3044
DIG 142 d/4	5123	4099	4984	3987	4658	3726	4099	3279
DIG 142 f/4	6072	4858	5906	4725	5520	4416	4858	3886
DIG 150 k/4	6270	5016	6099	4879	5700	4560	5016	4013
DIG 142 g/4	6435	5148	6260	5008	5850	4680	5148	4118
DIG 150 l/4	6930	5544	6741	5393	6300	5040	5544	4435
DIG 142 i/4	7370	5896	7169	5735	6700	5360	5896	4717
DIG 150 m/4	7920	6336	7704	6163	7200	5760	6336	5069
DIG 150 n/4	8910	7128	8667	6934	8100	6480	7128	5702
DIG 150 o/4	9350	7480	9095	7276	8500	6800	7480	5984



# 4 POLE High Voltage

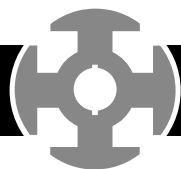


Star 6600V

60Hz/1800rpm

0.8 Power Factor

Model	TEMPERATURE RISE							
	Standby 138/27		Standby 125/40		Continuous 105/40 (F)		Continuous 80/40 (B)	
	kVA	kW	kVA	kW	kVA	kW	kVA	kW
DIG 110 g/4	990	792	963	770	900	720	792	634
DIG 110 h/4	1155	924	1124	899	1050	840	924	739
DIG 110 i/4	1375	1100	1338	1070	1250	1000	1100	880
DIG 120 g/4	1650	1320	1605	1284	1500	1200	1320	1056
DIG 120 h/4	1925	1540	1873	1498	1750	1400	1540	1232
DIG 120 i/4	2420	1936	2354	1883	2200	1760	1936	1549
DIG 130 g/4	2420	1936	2354	1883	2200	1760	1936	1549
DIG 130 h/4	2640	2112	2568	2054	2400	1920	2112	1690
DIG 130 i/4	3300	2640	3210	2568	3000	2400	2640	2112
DIG 130 k/4	3795	3036	3692	2953	3450	2760	3036	2429
DIG 142 c/4	4675	3740	4548	3638	4250	3400	3740	2992
DIG 142 d/4	5060	4048	4922	3938	4600	3680	4048	3238
DIG 142 e/4	5610	4488	5457	4366	5100	4080	4488	3590
DIG 142 f/4	6160	4928	5992	4794	5600	4480	4928	3942
DIG 150 k/4	6270	5016	6099	4879	5700	4560	5016	4013
DIG 142 g/4	6600	5280	6420	5136	6000	4800	5280	4224
DIG 150 l/4	6930	5544	6741	5393	6300	5040	5544	4435
DIG 142 h/4	7260	5808	7062	5650	6600	5280	5808	4646
DIG 150 m/4	7920	6336	7704	6163	7200	5760	6336	5069
DIG 150 n/4	8525	6820	8293	6634	7750	6200	6820	5456
DIG 150 o/4	8800	7040	8560	6848	8000	6400	7040	5632



# 4 POLE High Voltage



Star 13800V

60Hz/1800rpm

0.8 Power Factor

Model	TEMPERATURE RISE							
	Standby 138/27		Standby 125/40		Continuous 105/40 (F)		Continuous 80/40 (B)	
	kVA	kW	kVA	kW	kVA	kW	kVA	kW
DIG 130 g/4	2255	1804	2194	1755	2050	1640	1804	1443
DIG 130 h/4	2585	2068	2515	2012	2350	1880	2068	1654
DIG 130 i/4	3245	2596	3157	2525	2950	2360	2596	2077
DIG 130 k/4	3575	2860	3478	2782	3250	2600	2860	2288
DIG 142 c/4	4565	3652	4441	3552	4150	3320	3652	2922
DIG 142 d/4	4895	3916	4762	3809	4450	3560	3916	3133
DIG 142 e/4	5390	4312	5243	4194	4900	3920	4312	3450
DIG 150 k/4	5500	4400	5350	4280	5000	4000	4400	3520
DIG 142 f/4	5775	4620	5618	4494	5250	4200	4620	3696
DIG 142 g/4	6160	4928	5992	4794	5600	4480	4928	3942
DIG 150 l/4	6270	5016	6099	4879	5700	4560	5016	4013
DIG 142 h/4	6435	5148	6260	5008	5850	4680	5148	4118
DIG 150 m/4	6600	5280	6420	5136	6000	4800	5280	4224
DIG 150 n/4	6930	5544	6741	5393	6300	5040	5544	4435



# 6 POLE Low Voltage



Star 400V

50Hz/1000rpm

0.8 Power Factor

Model	TEMPERATURE RISE									
	Standby 163/27		Standby 150/40		Continuous 125/40 (H)		Continuous 105/40 (F)		Continuous 80/40 (B)	
	kVA	kW	kVA	kW	kVA	kW	kVA	kW	kVA	kW
DSG 74 M1/6	814	651	792	633	740	592	636	509	518	414
DSG 74 M2/6	1001	801	974	779	910	728	783	626	637	510
DSG 74 L1/6	1210	968	1177	942	1100	880	946	757	770	616
DSG 74 L2/6	1342	1074	1305	1044	1220	976	1049	839	854	683
DSG 86 K1/6	1650	1320	1605	1284	1500	1200	1365	1092	1200	960
DSG 86 M1/6	1837	1470	1787	1430	1670	1336	1520	1216	1336	1069
DSG 86 L1/6	2101	1681	2044	1635	1910	1528	1738	1390	1528	1222
DSG 99 K0/6	2464	1971	2397	1917	2240	1792	2038	1631	1792	1434
DSG 99 K1/6	2816	2253	2739	2191	2560	2048	2330	1864	2048	1638
DSG 99 M1/6	2970	2376	2889	2311	2700	2160	2457	1966	2160	1728
DSG 99 L1/6	3355	2684	3264	2611	3050	2440	2776	2220	2440	1952
DSG 114 K1/6	3740	2992	3638	2910	3400	2720	3162	2530	2788	2230
DSG 114 M1/6	4433	3546	4312	3450	4030	3224	3748	2998	3305	2644
DSG 114 M2/6	5445	4356	5297	4237	4950	3960	4604	3683	4059	3247



# 6 POLE Low Voltage



Star 690V

50Hz/1000rpm

0.8 Power Factor

Model	TEMPERATURE RISE									
	Standby 163/27		Standby 150/40		Continuous 125/40 (H)		Continuous 105/40 (F)		Continuous 80/40 (B)	
	kVA	kW	kVA	kW	kVA	kW	kVA	kW	kVA	kW
DSG 74 M1/6	781	625	760	608	710	568	611	488	497	398
DSG 74 M2/6	990	792	963	770	900	720	774	619	630	504
DSG 74 L1/6	1155	924	1124	899	1050	840	903	722	735	588
DSG 86 K1/6	1364	1091	1327	1061	1240	992	1128	903	992	794
DSG 86 M1/6	1705	1364	1659	1327	1550	1240	1411	1128	1240	992
DSG 86 L1/6	2101	1681	2044	1635	1910	1528	1738	1390	1528	1222
DSG 99 K0/6	2255	1804	2194	1755	2050	1640	1866	1492	1640	1312
DSG 99 M1/6	2860	2288	2782	2226	2600	2080	2366	1893	2080	1664
DSG 99 L1/6	3520	2816	3424	2739	3200	2560	2912	2330	2560	2048
DSG 114 K1/6	3850	3080	3745	2996	3500	2800	3255	2604	2870	2296
DSG 114 M2/6	4785	3828	4655	3724	4350	3480	4046	3236	3567	2854
DSG 114 L1/6	5500	4400	5350	4280	5000	4000	4650	3720	4100	3280



# 6 POLE Low Voltage



Star 480V

60Hz/1200rpm

0.8 Power Factor

Model	TEMPERATURE RISE									
	Standby 163/27		Standby 150/40		Continuous 125/40 (H)		Continuous 105/40 (F)		Continuous 80/40 (B)	
	kVA	kW	kVA	kW	kVA	kW	kVA	kW	kVA	kW
DSG 74 M1/6	979	783	952	762	890	712	765	612	623	498
DSG 74 M2/6	1199	959	1166	933	1090	872	937	750	763	610
DSG 74 L1/6	1452	1162	1412	1130	1320	1056	1135	908	924	739
DSG 74 L2/6	1612	1289	1568	1254	1465	1172	1260	1008	1026	820
DSG 86 K1/6	1980	1584	1926	1541	1800	1440	1638	1310	1440	1152
DSG 86 M1/6	2204	1764	2144	1715	2004	1603	1824	1459	1603	1283
DSG 86 L1/6	2521	2017	2452	1962	2292	1834	2086	1669	1834	1467
DSG 99 K0/6	2957	2365	2876	2301	2688	2150	2446	1957	2150	1720
DSG 99 K1/6	3379	2703	3287	2630	3072	2458	2796	2236	2458	1966
DSG 99 M1/6	3564	2851	3467	2773	3240	2592	2948	2359	2592	2074
DSG 99 L1/6	4026	3221	3916	3133	3660	2928	3331	2664	2928	2342
DSG 114 K1/6	4488	3590	4366	3492	4080	3264	3794	3036	3346	2676
DSG 114 M1/6	5320	4256	5175	4140	4836	3869	4497	3598	3966	3172
DSG 114 M2/6	6534	5227	6356	5085	5940	4752	5524	4419	4871	3897



# 6 POLE Low Voltage



Star 600V

60Hz/1200rpm

0.8 Power Factor

Model	TEMPERATURE RISE									
	Standby 163/27		Standby 150/40		Continuous 125/40 (H)		Continuous 105/40 (F)		Continuous 80/40 (B)	
	kVA	kW	kVA	kW	kVA	kW	kVA	kW	kVA	kW
DSG 86 K1/6	1483	1186	1442	1154	1348	1078	1227	981	1078	863
DSG 86 M1/6	1827	1462	1777	1422	1661	1329	1511	1209	1329	1063
DSG 99 K0/6	2104	1683	2047	1638	1913	1530	1741	1393	1530	1224
DSG 86 L1/6	2200	1760	2140	1712	2000	1600	1820	1456	1600	1280
DSG 99 K1/6	2391	1913	2326	1861	2174	1739	1978	1583	1739	1391
DSG 99 M1/6	2630	2104	2559	2047	2391	1913	2176	1741	1913	1530
DSG 99 L1/6	3109	2487	3024	2419	2826	2261	2572	2057	2261	1809
DSG 114 K1/6	3491	2793	3396	2717	3174	2539	2952	2361	2603	2082
DSG 114 M1/6	4065	3252	3954	3163	3696	2957	3437	2750	3030	2424
DSG 114 M2/6	4783	3826	4652	3722	4348	3478	4043	3235	3565	2852
DSG 114 L1/6	5643	4515	5490	4392	5130	4104	4771	3817	4207	3366



# 6 POLE Low Voltage



Star 690V

60Hz/1200rpm

0.8 Power Factor

Model	TEMPERATURE RISE									
	Standby 163/27		Standby 150/40		Continuous 125/40 (H)		Continuous 105/40 (F)		Continuous 80/40 (B)	
	kVA	kW	kVA	kW	kVA	kW	kVA	kW	kVA	kW
DSG 74 M1/6	990	792	963	770	900	720	774	619	630	504
DSG 74 M2/6	1166	933	1134	907	1060	848	912	729	742	594
DSG 74 L1/6	1397	1118	1359	1087	1270	1016	1092	874	889	711
DSG 86 K1/6	1705	1364	1659	1327	1550	1240	1411	1128	1240	992
DSG 86 M1/6	2101	1681	2044	1635	1910	1528	1738	1390	1528	1222
DSG 99 K0/6	2420	1936	2354	1883	2200	1760	2002	1602	1760	1408
DSG 86 L1/6	2530	2024	2461	1969	2300	1840	2093	1674	1840	1472
DSG 99 K1/6	2750	2200	2675	2140	2500	2000	2275	1820	2000	1600
DSG 99 M1/6	3025	2420	2943	2354	2750	2200	2503	2002	2200	1760
DSG 99 L1/6	3575	2860	3478	2782	3250	2600	2958	2366	2600	2080
DSG 114 K1/6	4015	3212	3906	3124	3650	2920	3395	2716	2993	2394
DSG 114 M1/6	4675	3740	4548	3638	4250	3400	3953	3162	3485	2788
DSG 114 M2/6	5500	4400	5350	4280	5000	4000	4650	3720	4100	3280
DSG 114 L1/6	6490	5192	6313	5050	5900	4720	5487	4390	4838	3870





# 6 POLE High Voltage



Star 3300V

50Hz/1000rpm

0.8 Power Factor

Model	TEMPERATURE RISE							
	Standby 138/27		Standby 125/40		Continuous 105/40 (F)		Continuous 80/40 (B)	
	kVA	kW	kVA	kW	kVA	kW	kVA	kW
DIG 110 g/6	638	510	621	496	580	464	510	408
DIG 110 h/6	759	607	738	591	690	552	607	486
DIG 110 i/6	825	660	803	642	750	600	660	528
DIG 120 g/6	990	792	963	770	900	720	792	634
DIG 120 h/6	1177	942	1145	916	1070	856	942	753
DIG 120 i/6	1485	1188	1445	1156	1350	1080	1188	950
DIG 120 k/6	1672	1338	1626	1301	1520	1216	1338	1070
DIG 130 h/6	1903	1522	1851	1481	1730	1384	1522	1218
DIG 130 i/6	2255	1804	2194	1755	2050	1640	1804	1443
DIG 130 k/6	2475	1980	2408	1926	2250	1800	1980	1584
DIG 130 l/6	2915	2332	2836	2268	2650	2120	2332	1866
DIG 150 k/6	4290	3432	4173	3338	3900	3120	3432	2746
DIG 150 l/6	5060	4048	4922	3938	4600	3680	4048	3238
DIG 150 m/6	5720	4576	5564	4451	5200	4160	4576	3661
DIG 150 n/6	6050	4840	5885	4708	5500	4400	4840	3872
DIG 156 l/6	6160	4928	5992	4794	5600	4480	4928	3942
DIG 156 m/6	6930	5544	6741	5393	6300	5040	5544	4435
DIG 156 n/6	7480	5984	7276	5821	6800	5440	5984	4787
DIG 156 o/6	8470	6776	8239	6591	7700	6160	6776	5421
DIG 156 p/6	8800	7040	8560	6848	8000	6400	7040	5632
DIG 156 q/6	9350	7480	9095	7276	8500	6800	7480	5984



# 6 POLE High Voltage



**Star 6300V**    **50Hz/1000rpm**  
**0.8 Power Factor**

Model	TEMPERATURE RISE							
	Standby 138/27		Standby 125/40		Continuous 105/40 (F)		Continuous 80/40 (B)	
	kVA	kW	kVA	kW	kVA	kW	kVA	kW
DIG 110 g/6	616	493	599	479	560	448	493	394
DIG 110 h/6	726	581	706	565	660	528	581	465
DIG 110 i/6	792	634	770	616	720	576	634	507
DIG 120 g/6	1012	810	984	788	920	736	810	648
DIG 120 h/6	1155	924	1124	899	1050	840	924	739
DIG 120 i/6	1254	1003	1220	976	1140	912	1003	803
DIG 130 g/6	1595	1276	1552	1241	1450	1160	1276	1021
DIG 130 h/6	1760	1408	1712	1370	1600	1280	1408	1126
DIG 130 i/6	2090	1672	2033	1626	1900	1520	1672	1338
DIG 130 k/6	2420	1936	2354	1883	2200	1760	1936	1549
DIG 150 k/6	4125	3300	4013	3210	3750	3000	3300	2640
DIG 150 l/6	4840	3872	4708	3766	4400	3520	3872	3098
DIG 150 m/6	5445	4356	5297	4237	4950	3960	4356	3485
DIG 150 n/6	5775	4620	5618	4494	5250	4200	4620	3696
DIG 156 l/6	6160	4928	5992	4794	5600	4480	4928	3942
DIG 156 m/6	6930	5544	6741	5393	6300	5040	5544	4435
DIG 156 n/6	7480	5984	7276	5821	6800	5440	5984	4787
DIG 156 o/6	8470	6776	8239	6591	7700	6160	6776	5421
DIG 156 p/6	8800	7040	8560	6848	8000	6400	7040	5632
DIG 156 q/6	9350	7480	9095	7276	8500	6800	7480	5984



# 6 POLE High Voltage



Star 6600V

**50Hz/1000rpm**  
**0.8 Power Factor**

Model	TEMPERATURE RISE							
	Standby 138/27		Standby 125/40		Continuous 105/40 (F)		Continuous 80/40 (B)	
	kVA	kW	kVA	kW	kVA	kW	kVA	kW
DIG 110 g/6	616	493	599	479	560	448	493	394
DIG 110 h/6	726	581	706	565	660	528	581	465
DIG 110 i/6	792	634	770	616	720	576	634	507
DIG 120 g/6	968	774	942	753	880	704	774	620
DIG 120 h/6	1155	924	1124	899	1050	840	924	739
DIG 120 i/6	1320	1056	1284	1027	1200	960	1056	845
DIG 130 g/6	1595	1276	1552	1241	1450	1160	1276	1021
DIG 130 h/6	1815	1452	1766	1412	1650	1320	1452	1162
DIG 130 i/6	2145	1716	2087	1669	1950	1560	1716	1373
DIG 130 k/6	2475	1980	2408	1926	2250	1800	1980	1584
DIG 150 k/6	4290	3432	4173	3338	3900	3120	3432	2746
DIG 150 l/6	5060	4048	4922	3938	4600	3680	4048	3238
DIG 150 m/6	5720	4576	5564	4451	5200	4160	4576	3661
DIG 150 n/6	6050	4840	5885	4708	5500	4400	4840	3872
DIG 156 l/6	6160	4928	5992	4794	5600	4480	4928	3942
DIG 156 m/6	6930	5544	6741	5393	6300	5040	5544	4435
DIG 156 n/6	7480	5984	7276	5821	6800	5440	5984	4787
DIG 156 o/6	8470	6776	8239	6591	7700	6160	6776	5421
DIG 156 p/6	8800	7040	8560	6848	8000	6400	7040	5632
DIG 156 q/6	9350	7480	9095	7276	8500	6800	7480	5984



# 6 POLE High Voltage



Star 10500V

50Hz/1000rpm

0.8 Power Factor

Model	TEMPERATURE RISE							
	Standby 138/27		Standby 125/40		Continuous 105/40 (F)		Continuous 80/40 (B)	
	kVA	kW	kVA	kW	kVA	kW	kVA	kW
DIG 130 g/6	1485	1188	1445	1156	1350	1080	1188	950
DIG 130 h/6	1705	1364	1659	1327	1550	1240	1364	1091
DIG 130 i/6	2035	1628	1980	1584	1850	1480	1628	1302
DIG 130 k/6	2310	1848	2247	1798	2100	1680	1848	1478
DIG 130 m/6	2588	2071	2518	2014	2353	1882	2071	1657
DIG 150 k/6	3795	3036	3692	2953	3450	2760	3036	2429
DIG 150 l/6	4098	3278	3986	3189	3725	2980	3278	2622
DIG 150 m/6	4730	3784	4601	3681	4300	3440	3784	3027
DIG 150 n/6	5170	4136	5029	4023	4700	3760	4136	3309
DIG 156 l/6	6050	4840	5885	4708	5500	4400	4840	3872
DIG 156 m/6	6875	5500	6688	5350	6250	5000	5500	4400
DIG 156 n/6	7315	5852	7116	5692	6650	5320	5852	4682
DIG 156 o/6	7920	6336	7704	6163	7200	5760	6336	5069
DIG 156 p/6	8580	6864	8346	6677	7800	6240	6864	5491
DIG 156 q/6	9350	7480	9095	7276	8500	6800	7480	5984



# 6 POLE High Voltage



**Star 11000V**

**50Hz/1000rpm**

**0.8 Power Factor**

Model	TEMPERATURE RISE							
	Standby 138/27		Standby 125/40		Continuous 105/40 (F)		Continuous 80/40 (B)	
	kVA	kW	kVA	kW	kVA	kW	kVA	kW
DIG 110 h/4	990	792	963	770	900	720	792	634
DIG 110 i/4	1188	950	1156	924	1080	864	950	760
DIG 120 g/4	1265	1012	1231	984	1150	920	1012	810
DIG 120 h/4	1507	1206	1466	1173	1370	1096	1206	964
DIG 120 i/4	1815	1452	1766	1412	1650	1320	1452	1162
DIG 130 g/4	1980	1584	1926	1541	1800	1440	1584	1267
DIG 130 h/4	2310	1848	2247	1798	2100	1680	1848	1478
DIG 130 i/4	2750	2200	2675	2140	2500	2000	2200	1760
DIG 130 k/4	3080	2464	2996	2397	2800	2240	2464	1971
DIG 130 L/4	3520	2816	3424	2739	3200	2560	2816	2253
DIG 142 c/4	4136	3309	4023	3219	3760	3008	3309	2647
DIG 142 d/4	4455	3564	4334	3467	4050	3240	3564	2851
DIG 142 e/4	4895	3916	4762	3809	4450	3560	3916	3133
DIG 142 f/4	5280	4224	5136	4109	4800	3840	4224	3379
DIG 150 k/4	5390	4312	5243	4194	4900	3920	4312	3450



# 6 POLE High Voltage



Star 4160V

**60Hz/1200rpm**  
**0.8 Power Factor**

Model	TEMPERATURE RISE							
	Standby 138/27		Standby 125/40		Continuous 105/40 (F)		Continuous 80/40 (B)	
	kVA	kW	kVA	kW	kVA	kW	kVA	kW
DIG 110 g/6	792	634	770	616	720	576	634	507
DIG 110 h/6	946	757	920	736	860	688	757	605
DIG 110 i/6	1034	827	1006	805	940	752	827	662
DIG 120 g/6	1243	994	1209	967	1130	904	994	796
DIG 120 h/6	1485	1188	1445	1156	1350	1080	1188	950
DIG 120 i/6	1870	1496	1819	1455	1700	1360	1496	1197
DIG 120 k/6	2090	1672	2033	1626	1900	1520	1672	1338
DIG 130 h/6	2200	1760	2140	1712	2000	1600	1760	1408
DIG 130 i/6	2860	2288	2782	2226	2600	2080	2288	1830
DIG 130 k/6	3245	2596	3157	2525	2950	2360	2596	2077
DIG 130 l/6	3630	2904	3531	2825	3300	2640	2904	2323
DIG 150 k/6	4895	3916	4762	3809	4450	3560	3916	3133
DIG 150 l/6	5775	4620	5618	4494	5250	4200	4620	3696

Star 6600V

**60Hz/1200rpm**  
**0.8 Power Factor**

Model	TEMPERATURE RISE							
	Standby 138/27		Standby 125/40		Continuous 105/40 (F)		Continuous 80/40 (B)	
	kVA	kW	kVA	kW	kVA	kW	kVA	kW
DIG 110 g/6	792	634	770	616	720	576	634	507
DIG 110 h/6	913	730	888	710	830	664	730	584
DIG 110 i/6	1034	827	1006	805	940	752	827	662
DIG 120 g/6	1100	880	1070	856	1000	800	880	704
DIG 120 h/6	1320	1056	1284	1027	1200	960	1056	845
DIG 120 i/6	1485	1188	1445	1156	1350	1080	1188	950
DIG 130 g/6	1815	1452	1766	1412	1650	1320	1452	1162
DIG 130 h/6	2090	1672	2033	1626	1900	1520	1672	1338
DIG 130 i/6	2420	1936	2354	1883	2200	1760	1936	1549
DIG 130 k/6	2860	2288	2782	2226	2600	2080	2288	1830
DIG 150 k/6	4895	3916	4762	3809	4450	3560	3916	3133
DIG 150 l/6	5775	4620	5618	4494	5250	4200	4620	3696



# 6 POLE High Voltage

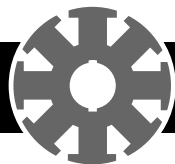


**Star** 13800V

**60Hz/1200rpm**

**0.8 Power Factor**

Model	TEMPERATURE RISE							
	Standby 138/27		Standby 125/40		Continuous 105/40 (F)		Continuous 80/40 (B)	
	kVA	kW	kVA	kW	kVA	kW	kVA	kW
<b>DIG 130 g/6</b>	1760	1408	1712	1370	1600	1280	1408	1126
<b>DIG 130 h/6</b>	2035	1628	1980	1584	1850	1480	1628	1302
<b>DIG 130 i/6</b>	2420	1936	2354	1883	2200	1760	1936	1549
<b>DIG 130 k/6</b>	2805	2244	2729	2183	2550	2040	2244	1795
<b>DIG 130 m/6</b>	3300	2640	3210	2568	3000	2400	2640	2112
<b>DIG 150 k/6</b>	4565	3652	4441	3552	4150	3320	3652	2922
<b>DIG 150 l/6</b>	5390	4312	5243	4194	4900	3920	4312	3450



# 8 POLE Low Voltage



Star 400V

50Hz/750rpm

0.8 Power Factor

Model	TEMPERATURE RISE									
	Standby 163/27		Standby 150/40		Continuous 125/40 (H)		Continuous 105/40 (F)		Continuous 80/40 (B)	
	kVA	kW	kVA	kW	kVA	kW	kVA	kW	kVA	kW
DSG 74 M1/8	682	546	663	531	620	496	533	427	434	347
DSG 74 M2/8	759	607	738	591	690	552	593	475	483	386
DSG 74 L1/8	858	686	835	668	780	624	671	537	546	437
DSG 86 K0/8	990	792	963	770	900	720	819	655	720	576
DSG 74 L2/8	1023	818	995	796	930	744	800	640	651	521
DSG 86 K1/8	1150	920	1118	895	1045	836	951	761	836	669
DSG 86 M1/8	1331	1065	1295	1036	1210	968	1101	881	968	774
DSG 86 L1/8	1485	1188	1445	1156	1350	1080	1229	983	1080	864
DSG 99 K1/8	1815	1452	1766	1412	1650	1320	1502	1201	1320	1056
DSG 99 M1/8	2123	1698	2065	1652	1930	1544	1756	1405	1544	1235
DSG 99 L1/8	2486	1989	2418	1935	2260	1808	2057	1645	1808	1446
DSG 99 L2/8	2783	2226	2707	2166	2530	2024	2302	1842	2024	1619
DSG 114 K1/8	3190	2552	3103	2482	2900	2320	2697	2158	2378	1902
DSG 114 M1/8	3663	2930	3563	2850	3330	2664	3097	2478	2731	2184
DSG 114 L1/8	4433	3546	4312	3450	4030	3224	3748	2998	3305	2644





# 8 POLE Low Voltage



Star 690V

50Hz/750rpm

0.8 Power Factor

Model	TEMPERATURE RISE									
	Standby 163/27		Standby 150/40		Continuous 125/40 (H)		Continuous 105/40 (F)		Continuous 80/40 (B)	
	kVA	kW	kVA	kW	kVA	kW	kVA	kW	kVA	kW
DSG 74 M1/8	660	528	642	514	600	480	516	413	420	336
DSG 74 M2/8	759	607	738	591	690	552	593	475	483	386
DSG 74 L1/8	880	704	856	685	800	640	688	550	560	448
DSG 74 L2/8	946	757	920	736	860	688	740	592	602	482
DSG 86 K0/8	990	792	963	770	900	720	819	655	720	576
DSG 86 K1/8	1100	880	1070	856	1000	800	910	728	800	640
DSG 86 M1/8	1331	1065	1295	1036	1210	968	1101	881	968	774
DSG 86 L1/8	1573	1258	1530	1224	1430	1144	1301	1041	1144	915
DSG 99 K1/8	1815	1452	1766	1412	1650	1320	1502	1201	1320	1056
DSG 99 M1/8	2123	1698	2065	1652	1930	1544	1756	1405	1544	1235
DSG 99 L1/8	2486	1989	2418	1935	2260	1808	2057	1645	1808	1446
DSG 114 K1/8	2640	2112	2568	2054	2400	1920	2232	1786	1968	1574
DSG 99 L2/8	2783	2226	2707	2166	2530	2024	2302	1842	2024	1619
DSG 114 M1/8	2970	2376	2889	2311	2700	2160	2511	2009	2214	1771
DSG 114 M2/8	3377	2702	3285	2628	3070	2456	2855	2284	2517	2014
DSG 114 L2/8	4180	3344	4066	3253	3800	3040	3534	2827	3116	2493
DSG 125 K2/8	4950	3960	4815	3852	4500	3600	4185	3348	3690	2952
DSG 125 M1/8	5885	4708	5725	4580	5350	4280	4976	3980	4387	3510
DSG 125 M2/8	6710	5368	6527	5222	6100	4880	5673	4538	5002	4002
DSG 125 L1/8	7700	6160	7490	5992	7000	5600	6510	5208	5740	4592



# 8 POLE Low Voltage



Star 480V

60Hz/900rpm

0.8 Power Factor

Model	TEMPERATURE RISE									
	Standby 163/27		Standby 150/40		Continuous 125/40 (H)		Continuous 105/40 (F)		Continuous 80/40 (B)	
	kVA	kW	kVA	kW	kVA	kW	kVA	kW	kVA	kW
DSG 74 M1/8	820	656	797	638	745	596	641	513	522	417
DSG 74 M2/8	913	730	888	710	830	664	714	571	581	465
DSG 74 L1/8	1029	823	1000	800	935	748	804	643	655	524
DSG 74 L2/8	1227	981	1193	954	1115	892	959	767	781	624
DSG 86 K0/8	1366	1093	1329	1063	1242	994	1130	904	994	795
DSG 86 K1/8	1586	1269	1543	1234	1442	1154	1312	1050	1154	923
DSG 86 M1/8	1782	1426	1733	1387	1620	1296	1474	1179	1296	1037
DSG 86 L1/8	1958	1566	1905	1524	1780	1424	1620	1296	1424	1139
DSG 99 K1/8	2288	1830	2226	1780	2080	1664	1893	1514	1664	1331
DSG 99 M1/8	2673	2138	2600	2080	2430	1944	2211	1769	1944	1555
DSG 99 L1/8	3135	2508	3050	2440	2850	2280	2594	2075	2280	1824
DSG 99 L2/8	3509	2807	3413	2731	3190	2552	2903	2322	2552	2042
DSG 114 K1/8	3828	3062	3724	2979	3480	2784	3236	2589	2854	2283
DSG 114 M1/8	4396	3516	4276	3421	3996	3197	3716	2973	3277	2621
DSG 114 L1/8	5320	4256	5175	4140	4836	3869	4497	3598	3966	3172



# 8 POLE Low Voltage



Star 600V

60Hz/900rpm

0.8 Power Factor

Model	TEMPERATURE RISE									
	Standby 163/27		Standby 150/40		Continuous 125/40 (H)		Continuous 105/40 (F)		Continuous 80/40 (B)	
	kVA	kW	kVA	kW	kVA	kW	kVA	kW	kVA	kW
<b>DSG 86 K0/8</b>	1033	826	1005	804	939	751	855	684	751	601
<b>DSG 99 L2/8</b>	2850	2280	2773	2218	2591	2073	2358	1886	2073	1658
<b>DSG 114 K1/8</b>	3443	2755	3350	2680	3130	2504	2911	2329	2567	2054
<b>DSG 114 M1/8</b>	3970	3176	3861	3089	3609	2887	3356	2685	2959	2367
<b>DSG 114 M2/8</b>	4127	3302	4015	3212	3752	3002	3490	2792	3077	2461
<b>DSG 114 L1/8</b>	4725	3780	4596	3677	4296	3437	3995	3196	3522	2818



# 8 POLE Low Voltage

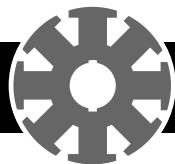


Star 690V

60Hz/900rpm

0.8 Power Factor

Model	TEMPERATURE RISE									
	Standby 163/27		Standby 150/40		Continuous 125/40 (H)		Continuous 105/40 (F)		Continuous 80/40 (B)	
	kVA	kW	kVA	kW	kVA	kW	kVA	kW	kVA	kW
DSG 74 M1/8	759	607	738	591	690	552	593	475	483	386
DSG 74 M2/8	880	704	856	685	800	640	688	550	560	448
DSG 74 L1/8	946	757	920	736	860	688	740	592	602	482
DSG 74 L2/8	1155	924	1124	899	1050	840	903	722	735	588
DSG 86 K0/8	1188	950	1156	924	1080	864	983	786	864	691
DSG 86 K1/8	1320	1056	1284	1027	1200	960	1092	874	960	768
DSG 86 M1/8	1595	1276	1552	1241	1450	1160	1320	1056	1160	928
DSG 86 L1/8	1815	1452	1766	1412	1650	1320	1502	1201	1320	1056
DSG 99 K1/8	2178	1742	2119	1695	1980	1584	1802	1441	1584	1267
DSG 99 M1/8	2442	1954	2375	1900	2220	1776	2020	1616	1776	1421
DSG 99 L1/8	2937	2350	2857	2286	2670	2136	2430	1944	2136	1709
DSG 99 L2/8	3278	2622	3189	2551	2980	2384	2712	2169	2384	1907
DSG 114 K1/8	3960	3168	3852	3082	3600	2880	3348	2678	2952	2362
DSG 114 M1/8	4565	3652	4441	3552	4150	3320	3860	3088	3403	2722
DSG 114 M2/8	4747	3797	4617	3694	4315	3452	4013	3210	3538	2831
DSG 114 L1/8	5434	4347	5286	4229	4940	3952	4594	3675	4051	3241
DSG 125 K2/8	5885	4708	5725	4580	5350	4280	4976	3980	4387	3510
DSG 125 M1/8	6710	5368	6527	5222	6100	4880	5673	4538	5002	4002
DSG 125 M2/8	7700	6160	7490	5992	7000	5600	6510	5208	5740	4592
DSG 125 L1/8	9350	7480	9095	7276	8500	6800	7905	6324	6970	5576



# 8 POLE High Voltage



Star 3300V

50Hz/750rpm

0.8 Power Factor

Model	TEMPERATURE RISE							
	Standby 138/27		Standby 125/40		Continuous 105/40 (F)		Continuous 80/40 (B)	
	kVA	kW	kVA	kW	kVA	kW	kVA	kW
DIG 130 g/8	1298	1038	1263	1010	1180	944	1038	831
DIG 130 h/8	1485	1188	1445	1156	1350	1080	1188	950
DIG 130 i/8	1650	1320	1605	1284	1500	1200	1320	1056
DIG 130 k/8	1870	1496	1819	1455	1700	1360	1496	1197
DIG 130 l/8	2145	1716	2087	1669	1950	1560	1716	1373
DIG 150 k/8	3190	2552	3103	2482	2900	2320	2552	2042
DIG 150 l/8	3630	2904	3531	2825	3300	2640	2904	2323
DIG 150 m/8	4070	3256	3959	3167	3700	2960	3256	2605
DIG 150 n/8	4510	3608	4387	3510	4100	3280	3608	2886
DIG 156 k/8	4620	3696	4494	3595	4200	3360	3696	2957
DIG 156 l/8	5170	4136	5029	4023	4700	3760	4136	3309
DIG 150 o/8	5280	4224	5136	4109	4800	3840	4224	3379
DIG 156 m/8	5610	4488	5457	4366	5100	4080	4488	3590
DIG 156 n/8	6270	5016	6099	4879	5700	4560	5016	4013
DIG 156 o/8	7040	5632	6848	5478	6400	5120	5632	4506
DIG 156 p/8	7480	5984	7276	5821	6800	5440	5984	4787



# 8 POLE High Voltage



Star 6300V

50Hz/750rpm

0.8 Power Factor

Model	TEMPERATURE RISE							
	Standby 138/27		Standby 125/40		Continuous 105/40 (F)		Continuous 80/40 (B)	
	kVA	kW	kVA	kW	kVA	kW	kVA	kW
DIG 130 g/8	1254	1003	1220	976	1140	912	1003	803
DIG 130 h/8	1430	1144	1391	1113	1300	1040	1144	915
DIG 130 i/8	1628	1302	1584	1267	1480	1184	1302	1042
DIG 130 k/8	1815	1452	1766	1412	1650	1320	1452	1162
DIG 150 k/8	3190	2552	3103	2482	2900	2320	2552	2042
DIG 150 l/8	3410	2728	3317	2654	3100	2480	2728	2182
DIG 150 m/8	3795	3036	3692	2953	3450	2760	3036	2429
DIG 150 n/8	4290	3432	4173	3338	3900	3120	3432	2746
DIG 156 k/8	4620	3696	4494	3595	4200	3360	3696	2957
DIG 150 o/8	5060	4048	4922	3938	4600	3680	4048	3238
DIG 156 l/8	5170	4136	5029	4023	4700	3760	4136	3309
DIG 156 m/8	5720	4576	5564	4451	5200	4160	4576	3661
DIG 156 n/8	5995	4796	5832	4665	5450	4360	4796	3837
DIG 156 o/8	7040	5632	6848	5478	6400	5120	5632	4506
DIG 156 p/8	7260	5808	7062	5650	6600	5280	5808	4646



# 8 POLE High Voltage

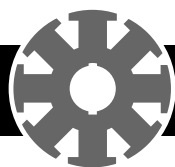


Star 6600V

50Hz/750rpm

0.8 Power Factor

Model	TEMPERATURE RISE							
	Standby 138/27		Standby 125/40		Continuous 105/40 (F)		Continuous 80/40 (B)	
	kVA	kW	kVA	kW	kVA	kW	kVA	kW
DIG 130 g/8	1254	1003	1220	976	1140	912	1003	803
DIG 130 h/8	1430	1144	1391	1113	1300	1040	1144	915
DIG 130 i/8	1628	1302	1584	1267	1480	1184	1302	1042
DIG 130 k/8	1815	1452	1766	1412	1650	1320	1452	1162
DIG 150 k/8	3080	2464	2996	2397	2800	2240	2464	1971
DIG 150 l/8	3520	2816	3424	2739	3200	2560	2816	2253
DIG 150 m/8	4015	3212	3906	3124	3650	2920	3212	2570
DIG 150 n/8	4510	3608	4387	3510	4100	3280	3608	2886
DIG 156 k/8	4620	3696	4494	3595	4200	3360	3696	2957
DIG 156 l/8	5170	4136	5029	4023	4700	3760	4136	3309
DIG 150 o/8	5280	4224	5136	4109	4800	3840	4224	3379
DIG 156 m/8	5720	4576	5564	4451	5200	4160	4576	3661
DIG 156 n/8	6270	5016	6099	4879	5700	4560	5016	4013
DIG 156 o/8	7040	5632	6848	5478	6400	5120	5632	4506
DIG 156 p/8	7260	5808	7062	5650	6600	5280	5808	4646



# 8 POLE High Voltage



Star 10500V

50Hz/750rpm

0.8 Power Factor

Model	TEMPERATURE RISE							
	Standby 138/27		Standby 125/40		Continuous 105/40 (F)		Continuous 80/40 (B)	
	kVA	kW	kVA	kW	kVA	kW	kVA	kW
DIG 130 h/8	1430	1144	1391	1113	1300	1040	1144	915
DIG 130 i/8	1595	1276	1552	1241	1450	1160	1276	1021
DIG 130 k/8	1760	1408	1712	1370	1600	1280	1408	1126
DIG 150 k/8	3135	2508	3050	2440	2850	2280	2508	2006
DIG 150 l/8	3630	2904	3531	2825	3300	2640	2904	2323
DIG 150 m/8	4015	3212	3906	3124	3650	2920	3212	2570
DIG 150 n/8	4400	3520	4280	3424	4000	3200	3520	2816
DIG 156 k/8	4620	3696	4494	3595	4200	3360	3696	2957
DIG 150 o/8	4730	3784	4601	3681	4300	3440	3784	3027
DIG 156 l/8	4840	3872	4708	3766	4400	3520	3872	3098
DIG 156 m/8	5500	4400	5350	4280	5000	4000	4400	3520
DIG 156 n/8	6270	5016	6099	4879	5700	4560	5016	4013
DIG 156 o/8	6600	5280	6420	5136	6000	4800	5280	4224
DIG 156 p/8	7370	5896	7169	5735	6700	5360	5896	4717





# 8 POLE Low Voltage



Star 11000V

50Hz/750rpm

0.8 Power Factor

Model	TEMPERATURE RISE							
	Standby 138/27		Standby 125/40		Continuous 105/40 (F)		Continuous 80/40 (B)	
	kVA	kW	kVA	kW	kVA	kW	kVA	kW
DIG 130 h/8	1430	1144	1391	1113	1300	1040	1144	915
DIG 130 i/8	1595	1276	1552	1241	1450	1160	1276	1021
DIG 130 i/8	1595	1276	1552	1241	1450	1160	1276	1021
DIG 130 k/8	1650	1320	1605	1284	1500	1200	1320	1056
DIG 130 k/8	1760	1408	1712	1370	1600	1280	1408	1126
DIG 130 n/8	2200	1760	2140	1712	2000	1600	1760	1408
DIG 150 k/8	3135	2508	3050	2440	2850	2280	2508	2006
DIG 150 l/8	3630	2904	3531	2825	3300	2640	2904	2323
DIG 150 m/8	4235	3388	4120	3296	3850	3080	3388	2710
DIG 150 n/8	4400	3520	4280	3424	4000	3200	3520	2816
DIG 156 k/8	4620	3696	4494	3595	4200	3360	3696	2957
DIG 150 o/8	4950	3960	4815	3852	4500	3600	3960	3168
DIG 156 l/8	5115	4092	4976	3980	4650	3720	4092	3274
DIG 156 m/8	5720	4576	5564	4451	5200	4160	4576	3661
DIG 156 n/8	6160	4928	5992	4794	5600	4480	4928	3942
DIG 156 o/8	6600	5280	6420	5136	6000	4800	5280	4224
DIG 156 p/8	7370	5896	7169	5735	6700	5360	5896	4717



# 8 POLE High Voltage



**Star** 4160V

**60Hz/900rpm**

**0.8 Power Factor**

Model	TEMPERATURE RISE							
	Standby 138/27		Standby 125/40		Continuous 105/40 (F)		Continuous 80/40 (B)	
	kVA	kW	kVA	kW	kVA	kW	kVA	kW
<b>DIG 130 g/8</b>	1617	1294	1573	1258	1470	1176	1294	1035
<b>DIG 130 h/8</b>	1848	1478	1798	1438	1680	1344	1478	1183
<b>DIG 130 i/8</b>	2090	1672	2033	1626	1900	1520	1672	1338
<b>DIG 130 k/8</b>	2365	1892	2301	1840	2150	1720	1892	1514
<b>DIG 130 l/8</b>	2695	2156	2622	2097	2450	1960	2156	1725
<b>DIG 150 k/8</b>	4180	3344	4066	3253	3800	3040	3344	2675
<b>DIG 150 l/8</b>	4620	3696	4494	3595	4200	3360	3696	2957
<b>DIG 150 m/8</b>	5060	4048	4922	3938	4600	3680	4048	3238
<b>DIG 156 k/8</b>	5390	4312	5243	4194	4900	3920	4312	3450
<b>DIG 150 n/8</b>	5500	4400	5350	4280	5000	4000	4400	3520
<b>DIG 150 o/8</b>	5940	4752	5778	4622	5400	4320	4752	3802
<b>DIG 156 l/8</b>	5940	4752	5778	4622	5400	4320	4752	3802
<b>DIG 156 m/8</b>	6490	5192	6313	5050	5900	4720	5192	4154
<b>DIG 156 n/8</b>	7040	5632	6848	5478	6400	5120	5632	4506
<b>DIG 156 o/8</b>	7865	6292	7651	6120	7150	5720	6292	5034



# 8 POLE High Voltage



**Star 6600V**

**60Hz/900rpm**

**0.8 Power Factor**

Model	TEMPERATURE RISE							
	Standby 138/27		Standby 125/40		Continuous 105/40 (F)		Continuous 80/40 (B)	
	kVA	kW	kVA	kW	kVA	kW	kVA	kW
<b>DIG 130 g/8</b>	1386	1109	1348	1079	1260	1008	1109	887
<b>DIG 130 i/8</b>	1848	1478	1798	1438	1680	1344	1478	1183
<b>DIG 130 k/8</b>	2112	1690	2054	1644	1920	1536	1690	1352
<b>DIG 130 n/8</b>	2750	2200	2675	2140	2500	2000	2200	1760
<b>DIG 150 k/8</b>	3465	2772	3371	2696	3150	2520	2772	2218
<b>DIG 150 l/8</b>	3960	3168	3852	3082	3600	2880	3168	2534
<b>DIG 150 m/8</b>	4510	3608	4387	3510	4100	3280	3608	2886
<b>DIG 150 n/8</b>	5225	4180	5083	4066	4750	3800	4180	3344
<b>DIG 156 k/8</b>	5500	4400	5350	4280	5000	4000	4400	3520
<b>DIG 150 o/8</b>	5940	4752	5778	4622	5400	4320	4752	3802
<b>DIG 156 l/8</b>	6050	4840	5885	4708	5500	4400	4840	3872
<b>DIG 156 m/8</b>	6820	5456	6634	5307	6200	4960	5456	4365
<b>DIG 156 n/8</b>	7480	5984	7276	5821	6800	5440	5984	4787
<b>DIG 156 o/8</b>	8250	6600	8025	6420	7500	6000	6600	5280



# 8 POLE High Voltage



**Star** 13800V

**60Hz/900rpm**

**0.8 Power Factor**

Model	TEMPERATURE RISE							
	Standby 138/27		Standby 125/40		Continuous 105/40 (F)		Continuous 80/40 (B)	
	kVA	kW	kVA	kW	kVA	kW	kVA	kW
<b>DIG 130 i/8</b>	1870	1496	1819	1455	1700	1360	1496	1197
<b>DIG 130 k/8</b>	2090	1672	2033	1626	1900	1520	1672	1338
<b>DIG 130 n/8</b>	2695	2156	2622	2097	2450	1960	2156	1725
<b>DIG 150 k/8</b>	3630	2904	3531	2825	3300	2640	2904	2323
<b>DIG 150 l/8</b>	4180	3344	4066	3253	3800	3040	3344	2675
<b>DIG 150 m/8</b>	4620	3696	4494	3595	4200	3360	3696	2957
<b>DIG 150 n/8</b>	5060	4048	4922	3938	4600	3680	4048	3238
<b>DIG 156 k/8</b>	5170	4136	5029	4023	4700	3760	4136	3309
<b>DIG 156 l/8</b>	5720	4576	5564	4451	5200	4160	4576	3661
<b>DIG 156 m/8</b>	6380	5104	6206	4965	5800	4640	5104	4083
<b>DIG 156 n/8</b>	7205	5764	7009	5607	6550	5240	5764	4611
<b>DIG 156 o/8</b>	7700	6160	7490	5992	7000	5600	6160	4928



# 10 POLE Low Voltage



Star 400V

50Hz/600rpm

0.8 Power Factor

Model	TEMPERATURE RISE									
	Standby 163/27		Standby 150/40		Continuous 125/40 (H)		Continuous 105/40 (F)		Continuous 80/40 (B)	
	kVA	kW	kVA	kW	kVA	kW	kVA	kW	kVA	kW
<b>DSG 86 K0/10</b>	737	590	717	574	670	536	610	488	536	429
<b>DSG 86 K1/10</b>	902	722	877	702	820	656	746	597	656	525
<b>DSG 86 M1/10</b>	1051	840	1022	817	955	764	869	695	764	611
<b>DSG 86 L1/10</b>	1221	977	1188	950	1110	888	1010	808	888	710
<b>DSG 99 K1/10</b>	1342	1074	1305	1044	1220	976	1110	888	976	781
<b>DSG 99 M1/10</b>	1562	1250	1519	1216	1420	1136	1292	1034	1136	909
<b>DSG 99 L1/10</b>	1771	1417	1723	1378	1610	1288	1465	1172	1288	1030
<b>DSG 99 L2/10</b>	2013	1610	1958	1566	1830	1464	1665	1332	1464	1171
<b>DSG 114 K1/10</b>	2365	1892	2301	1840	2150	1720	2000	1600	1763	1410
<b>DSG 114 M1/10</b>	2602	2081	2531	2024	2365	1892	2199	1760	1939	1551
<b>DSG 114 M2/10</b>	3014	2411	2932	2345	2740	2192	2548	2039	2247	1797
<b>DSG 114 L1/10</b>	3432	2746	3338	2671	3120	2496	2902	2321	2558	2047
<b>DSG 125 L1/10</b>	4400	3520	4280	3424	4000	3200	3720	2976	3280	2624



# 10 POLE Low Voltage



Star 690V

50Hz/600rpm

0.8 Power Factor

Model	TEMPERATURE RISE									
	Standby 163/27		Standby 150/40		Continuous 125/40 (H)		Continuous 105/40 (F)		Continuous 80/40 (B)	
	kVA	kW	kVA	kW	kVA	kW	kVA	kW	kVA	kW
<b>DSG 86 K0/10</b>	792	634	770	616	<b>720</b>	<b>576</b>	655	524	576	461
<b>DSG 86 K1/10</b>	902	722	877	702	<b>820</b>	<b>656</b>	746	597	656	525
<b>DSG 86 M1/10</b>	1051	840	1022	817	<b>955</b>	<b>764</b>	869	695	764	611
<b>DSG 86 L1/10</b>	1221	977	1188	950	<b>1110</b>	<b>888</b>	1010	808	888	710
<b>DSG 99 K1/10</b>	1342	1074	1305	1044	<b>1220</b>	<b>976</b>	1110	888	976	781
<b>DSG 99 M1/10</b>	1562	1250	1519	1216	<b>1420</b>	<b>1136</b>	1292	1034	1136	909
<b>DSG 99 L1/10</b>	1925	1540	1873	1498	<b>1750</b>	<b>1400</b>	1593	1274	1400	1120
<b>DSG 99 L2/10</b>	2200	1760	2140	1712	<b>2000</b>	<b>1600</b>	1820	1456	1600	1280
<b>DSG 114 K1/10</b>	2288	1830	2226	1780	<b>2080</b>	<b>1664</b>	1934	1548	1706	1364
<b>DSG 114 M1/10</b>	2640	2112	2568	2054	<b>2400</b>	<b>1920</b>	2232	1786	1968	1574
<b>DSG 114 M2/10</b>	3025	2420	2943	2354	<b>2750</b>	<b>2200</b>	2558	2046	2255	1804
<b>DSG 114 L1/10</b>	3575	2860	3478	2782	<b>3250</b>	<b>2600</b>	3023	2418	2665	2132



# 10 POLE Low Voltage



Star 480V

60Hz/720rpm

0.8 Power Factor

Model	TEMPERATURE RISE									
	Standby 163/27		Standby 150/40		Continuous 125/40 (H)		Continuous 105/40 (F)		Continuous 80/40 (B)	
	kVA	kW	kVA	kW	kVA	kW	kVA	kW	kVA	kW
<b>DSG 86 K0/10</b>	884	708	860	688	804	643	732	585	643	515
<b>DSG 86 K1/10</b>	1082	866	1053	842	984	787	895	716	787	630
<b>DSG 86 M1/10</b>	1261	1008	1226	981	1146	917	1043	834	917	733
<b>DSG 86 L1/10</b>	1465	1172	1425	1140	1332	1066	1212	970	1066	852
<b>DSG 99 K1/10</b>	1610	1288	1566	1253	1464	1171	1332	1066	1171	937
<b>DSG 99 M1/10</b>	1874	1500	1823	1459	1704	1363	1551	1241	1363	1091
<b>DSG 99 L1/10</b>	2125	1700	2067	1654	1932	1546	1758	1406	1546	1236
<b>DSG 99 L2/10</b>	2416	1932	2350	1880	2196	1757	1998	1599	1757	1405
<b>DSG 114 K1/10</b>	2838	2270	2761	2208	2580	2064	2399	1920	2116	1692
<b>DSG 114 M1/10</b>	3122	2497	3037	2429	2838	2270	2639	2111	2327	1862
<b>DSG 114 M2/10</b>	3617	2893	3518	2815	3288	2630	3058	2446	2696	2157
<b>DSG 114 L1/10</b>	4118	3295	4006	3205	3744	2995	3482	2786	3070	2456
<b>DSG 125 L1/10</b>	5280	4224	5136	4109	4800	3840	4464	3571	3936	3149



# 10 POLE Low Voltage



Star 690V

60Hz/720rpm

0.8 Power Factor

Model	TEMPERATURE RISE									
	Standby 163/27		Standby 150/40		Continuous 125/40 (H)		Continuous 105/40 (F)		Continuous 80/40 (B)	
	kVA	kW	kVA	kW	kVA	kW	kVA	kW	kVA	kW
DSG 86 K0/10	902	722	877	702	820	656	746	597	656	525
DSG 86 K1/10	1045	836	1017	813	950	760	865	692	760	608
DSG 86 M1/10	1265	1012	1231	984	1150	920	1047	837	920	736
DSG 86 L1/10	1430	1144	1391	1113	1300	1040	1183	946	1040	832
DSG 99 K1/10	1562	1250	1519	1216	1420	1136	1292	1034	1136	909
DSG 99 M1/10	1925	1540	1873	1498	1750	1400	1593	1274	1400	1120
DSG 99 L1/10	2200	1760	2140	1712	2000	1600	1820	1456	1600	1280
DSG 114 K1/10	2640	2112	2568	2054	2400	1920	2232	1786	1968	1574
DSG 114 M1/10	3025	2420	2943	2354	2750	2200	2558	2046	2255	1804
DSG 114 M2/10	3575	2860	3478	2782	3250	2600	3023	2418	2665	2132
DSG 114 L1/10	3960	3168	3852	3082	3600	2880	3348	2678	2952	2362
DSG 125 K1/10	4620	3696	4494	3595	4200	3360	3906	3125	3444	2755
DSG 125 M1/10	4950	3960	4815	3852	4500	3600	4185	3348	3690	2952
DSG 125 M2/10	5720	4576	5564	4451	5200	4160	4836	3869	4264	3411
DSG 125 L1/10	6325	5060	6153	4922	5750	4600	5348	4278	4715	3772
DSG 144 M1/10	7260	5808	7062	5650	6600	5280	6138	4910	5412	4330





# 10 POLE High Voltage



Star 3300V

50Hz/600rpm

0.8 Power Factor

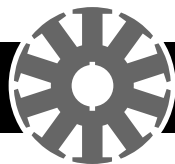
Model	TEMPERATURE RISE							
	Standby 138/27		Standby 125/40		Continuous 105/40 (F)		Continuous 80/40 (B)	
	kVA	kW	kVA	kW	kVA	kW	kVA	kW
DIG 156 k/10	3795	3036	3692	2953	3450	2760	3036	2429
DIG 156 l/10	4455	3564	4334	3467	4050	3240	3564	2851
DIG 156 m/10	4620	3696	4494	3595	4200	3360	3696	2957
DIG 156 n/10	5060	4048	4922	3938	4600	3680	4048	3238
DIG 156 o/10	5500	4400	5350	4280	5000	4000	4400	3520
DIG 156 p/10	6688	5350	6506	5204	6080	4864	5350	4280
DIG 156 q/10	7535	6028	7330	5864	6850	5480	6028	4822

Star 6300V

50Hz/600rpm

0.8 Power Factor

Model	TEMPERATURE RISE							
	Standby 138/27		Standby 125/40		Continuous 105/40 (F)		Continuous 80/40 (B)	
	kVA	kW	kVA	kW	kVA	kW	kVA	kW
DIG 156 k/10	3905	3124	3799	3039	3550	2840	3124	2499
DIG 156 l/10	4180	3344	4066	3253	3800	3040	3344	2675
DIG 156 m/10	4620	3696	4494	3595	4200	3360	3696	2957
DIG 156 n/10	5060	4048	4922	3938	4600	3680	4048	3238
DIG 156 o/10	5500	4400	5350	4280	5000	4000	4400	3520
DIG 156 p/10	5940	4752	5778	4622	5400	4320	4752	3802
DIG 156 q/10	6490	5192	6313	5050	5900	4720	5192	4154



# 10 POLE High Voltage



**Star 6600V**      **50Hz/600rpm**  
**0.8 Power Factor**

Model	TEMPERATURE RISE							
	Standby 138/27		Standby 125/40		Continuous 105/40 (F)		Continuous 80/40 (B)	
	kVA	kW	kVA	kW	kVA	kW	kVA	kW
DIG 156 k/10	3905	3124	3799	3039	3550	2840	3124	2499
DIG 156 l/10	4290	3432	4173	3338	3900	3120	3432	2746
DIG 156 m/10	4620	3696	4494	3595	4200	3360	3696	2957
DIG 156 n/10	5060	4048	4922	3938	4600	3680	4048	3238
DIG 156 o/10	5500	4400	5350	4280	5000	4000	4400	3520
DIG 156 p/10	5940	4752	5778	4622	5400	4320	4752	3802
DIG 156 q/10	6490	5192	6313	5050	5900	4720	5192	4154

**Star 10500V**      **50Hz/600rpm**  
**0.8 Power Factor**

Model	TEMPERATURE RISE							
	Standby 138/27		Standby 125/40		Continuous 105/40 (F)		Continuous 80/40 (B)	
	kVA	kW	kVA	kW	kVA	kW	kVA	kW
DIG 156 k/10	3410	2728	3317	2654	3100	2480	2728	2182
DIG 156 l/10	4070	3256	3959	3167	3700	2960	3256	2605
DIG 156 m/10	4400	3520	4280	3424	4000	3200	3520	2816
DIG 156 n/10	4950	3960	4815	3852	4500	3600	3960	3168
DIG 156 o/10	5390	4312	5243	4194	4900	3920	4312	3450
DIG 156 p/10	5720	4576	5564	4451	5200	4160	4576	3661
DIG 156 q/10	6050	4840	5885	4708	5500	4400	4840	3872



# 10 POLE High Voltage



**Star 11000V**      **50Hz/600rpm**  
**0.8 Power Factor**

Model	TEMPERATURE RISE							
	Standby 138/27		Standby 125/40		Continuous 105/40 (F)		Continuous 80/40 (B)	
	kVA	kW	kVA	kW	kVA	kW	kVA	kW
DIG 156 k/10	3410	2728	3317	2654	3100	2480	2728	2182
DIG 156 l/10	3905	3124	3799	3039	3550	2840	3124	2499
DIG 156 m/10	4290	3432	4173	3338	3900	3120	3432	2746
DIG 156 n/10	4950	3960	4815	3852	4500	3600	3960	3168
DIG 156 o/10	5170	4136	5029	4023	4700	3760	4136	3309
DIG 156 p/10	5720	4576	5564	4451	5200	4160	4576	3661
DIG 156 q/10	6270	5016	6099	4879	5700	4560	5016	4013

**Star 4160V**      **60Hz/720rpm**  
**0.8 Power Factor**

Model	TEMPERATURE RISE							
	Standby 138/27		Standby 125/40		Continuous 105/40 (F)		Continuous 80/40 (B)	
	kVA	kW	kVA	kW	kVA	kW	kVA	kW
DIG 156 k/10	5060	4048	4922	3938	4600	3680	4048	3238
DIG 156 l/10	5500	4400	5350	4280	5000	4000	4400	3520
DIG 156 m/10	5940	4752	5778	4622	5400	4320	4752	3802
DIG 156 n/10	6380	5104	6206	4965	5800	4640	5104	4083
DIG 156 o/10	7040	5632	6848	5478	6400	5120	5632	4506
DIG 156 p/10	7975	6380	7758	6206	7250	5800	6380	5104
DIG 156 q/10	8415	6732	8186	6548	7650	6120	6732	5386



# 10 POLE High Voltage



Star 6600V

60Hz/720rpm

0.8 Power Factor

Model	TEMPERATURE RISE							
	Standby 138/27		Standby 125/40		Continuous 105/40 (F)		Continuous 80/40 (B)	
	kVA	kW	kVA	kW	kVA	kW	kVA	kW
DIG 156 k/10	4510	3608	4387	3510	4100	3280	3608	2886
DIG 156 m/10	5005	4004	4869	3895	4550	3640	4004	3203
DIG 156 l/10	5170	4136	5029	4023	4700	3760	4136	3309
DIG 156 n/10	6160	4928	5992	4794	5600	4480	4928	3942
DIG 156 o/10	6160	4928	5992	4794	5600	4480	4928	3942
DIG 156 p/10	6820	5456	6634	5307	6200	4960	5456	4365
DIG 156 q/10	7700	6160	7490	5992	7000	5600	6160	4928

Star 13800V

60Hz/720rpm

0.8 Power Factor

Model	TEMPERATURE RISE							
	Standby 138/27		Standby 125/40		Continuous 105/40 (F)		Continuous 80/40 (B)	
	kVA	kW	kVA	kW	kVA	kW	kVA	kW
DIG 156 k/10	2959	2367	2878	2303	2690	2152	2367	1894
DIG 156 l/10	3553	2842	3456	2765	3230	2584	2842	2274
DIG 156 m/10	3960	3168	3852	3082	3600	2880	3168	2534
DIG 156 n/10	4433	3546	4312	3450	4030	3224	3546	2837
DIG 156 o/10	4433	3546	4312	3450	4030	3224	3546	2837
DIG 156 p/10	5005	4004	4869	3895	4550	3640	4004	3203
DIG 156 q/10	5005	4004	4869	3895	4550	3640	4004	3203

# Application Engineering

Application Engineering generally owns the technical relationship with our customers and therefore is the first point of contact. The team's aim is to provide a world class customer service by striving to understand customer needs and best matched products to suit each individual customer application.

Application teams are based in the US, Europe, India and China, sharing a common email enquiry database. Due to this, there are always Application Engineers available to support customer requirements and deliver the best technical product selection that STAMFORD and AvK branded products can offer.

Key deliverables include:

- Provide technical data and support for NEWAGE, STAMFORD and AvK products
  - Technical data, drawings, application guidance notes
  - Size alternators for different load applications -motors, lighting, non-linear (UPS, VSD, SCR)
  - Advise and discuss all aspects of alternator application, control and installation

- Discuss needs, resolve issues and review specification
  - Provide qualified technical recommendations to ensure fit for purpose products
  - Assist with design and development of complete generating set systems
- Provide bespoke application engineering training to suit customer requirements
  - Application sizing
  - Alternator selection considerations
  - Changing market requirements such as grid codes or marine standards
- Provide Voice of Customer and application field knowledge into new product introduction or product improvement programs.

Application Engineering support customers as they venture into new market segments and integrate product designs to ensure superior fit to market. The team work closely with the Application Validation Team to validate and fully understand the operating boundaries of our products to ensure the right machines meet the harsh, increasingly challenging environments in which our customers operate in.



For Applications Support contact:  
[applications@cummins.com](mailto:applications@cummins.com)

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