

# **AvK<sup>®</sup> Alternator Ratings Book**

*Industrial*



**Edition 2**



# 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.
- “Sinϕ” refers to power factor, where “ϕ” = PF. For example, 80% power factor = 0.8, therefore “Sinϕ” = “Sin(0.8)”
- # 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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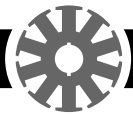
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## 10 POLE High Voltage

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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	680	544	660	528	568	454	462	370
DSG 62 M2/4	825	660	773	618	750	600	645	516	525	420
DSG 62 L1/4	990	792	927	742	900	720	774	619	630	504
DSG 62 L2/4	1210	968	1133	906	1100	880	946	757	770	616
DSG 74 M1/4	1540	1232	1442	1154	1400	1120	1204	963	980	784
DSG 74 M2/4	1716	1373	1607	1285	1560	1248	1342	1073	1092	874
DSG 74 L1/4	1925	1540	1803	1442	1750	1400	1505	1204	1225	980
DSG 74 L2/4	2200	1760	2060	1648	2000	1600	1720	1376	1400	1120
DSG 86 K1/4	2266	1813	2122	1697	2060	1648	1875	1500	1648	1318
DSG 86 M1/4	2640	2112	2472	1978	2400	1920	2184	1747	1920	1536
DSG 86 L1/4	3124	2499	2925	2340	2840	2272	2584	2068	2272	1818
DSG 99 K1/4	3795	3036	3554	2843	3450	2760	3140	2512	2760	2208
DSG 114 K1/4	4361	3489	4120	3296	4000	3200	3720	2976	3280	2624





# 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	670	536	650	520	559	447	455	364
DSG 62 M2/4	858	686	803	643	780	624	671	537	546	437
DSG 62 L1/4	946	757	886	709	860	688	740	592	602	482
DSG 62 L2/4	1210	968	1133	906	1100	880	946	757	770	616
DSG 74 M1/4	1452	1162	1360	1088	1320	1056	1135	908	924	739
DSG 74 M2/4	1650	1320	1545	1236	1500	1200	1290	1032	1050	840
DSG 74 L1/4	1914	1531	1792	1434	1740	1392	1496	1197	1218	974
DSG 74 L2/4	2090	1672	1957	1566	1900	1520	1634	1307	1330	1064
DSG 86 K1/4	2222	1778	2081	1664	2020	1616	1838	1471	1616	1293
DSG 86 M1/4	2657	2125	2487	1990	2415	1932	2198	1758	1932	1546
DSG 86 L1/4	3289	2631	3080	2464	2990	2392	2721	2177	2392	1914
DSG 99 K1/4	3861	3089	3615	2892	3510	2808	3194	2555	2808	2246
DSG 99 M1/4	4543	3634	4254	3403	4130	3304	3758	3007	3304	2643
DSG 99 L1/4	5170	4136	4841	3873	4700	3760	4277	3422	3760	3008



# 4 POLE Low Voltage



Star 480V

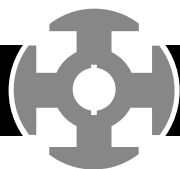
**60Hz/1800rpm**  
**0.8 Power Factor**

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	814	651	790	632	679	544	553	442
DSG 62 M2/4	990	792	927	742	900	720	774	619	630	504
DSG 62 L1/4	1188	950	1112	890	1080	864	929	743	756	605
DSG 62 L2/4	1452	1162	1360	1088	1320	1056	1135	908	924	739
DSG 74 M1/4	1848	1478	1730	1384	1680	1344	1445	1156	1176	941
DSG 74 M2/4	2057	1646	1926	1541	1870	1496	1608	1287	1309	1047
DSG 74 L1/4	2310	1848	2163	1730	2100	1680	1806	1445	1470	1176
DSG 74 L2/4	2640	2112	2472	1978	2400	1920	2064	1651	1680	1344
DSG 86 K1/4	2719	2175	2546	2037	2472	1978	2250	1800	1978	1582
DSG 86 M1/4	3168	2534	2966	2373	2880	2304	2621	2097	2304	1843
DSG 86 L1/4	3749	2999	3510	2808	3408	2726	3101	2481	2726	2181
DSG 99 K1/4	4554	3643	4264	3411	4140	3312	3767	3014	3312	2650
DSG 114 K1/4	5233	4186	4944	3955	4800	3840	4464	3571	3936	3149

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	2078	1662	2017	1614	1836	1469	1614	1291
DSG 86 M1/4	2583	2066	2418	1935	2348	1878	2137	1709	1878	1503
DSG 86 L1/4	2965	2372	2777	2221	2696	2157	2453	1962	2157	1725
DSG 99 K0/4	3357	2686	3144	2515	3052	2442	2777	2222	2442	1953
DSG 99 K1/4	3950	3160	3699	2959	3591	2873	3268	2614	2873	2298
DSG 99 M1/4	4496	3597	4210	3368	4087	3270	3719	2975	3270	2616
DSG 99 L1/4	5070	4056	4747	3798	4609	3687	4194	3355	3687	2950



# 4 POLE Low Voltage



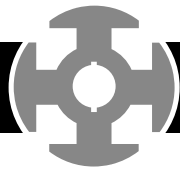
Star 690V

60Hz/1800rpm

0.8 Power Factor

## TEMPERATURE RISE

Model	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	803	643	780	624	671	537	546	437
DSG 62 M2/4	946	757	886	709	860	688	740	592	602	482
DSG 62 L1/4	1210	968	1133	906	1100	880	946	757	770	616
DSG 62 L2/4	1430	1144	1339	1071	1300	1040	1118	894	910	728
DSG 74 M1/4	1650	1320	1545	1236	1500	1200	1290	1032	1050	840
DSG 74 M2/4	1914	1531	1792	1434	1740	1392	1496	1197	1218	974
DSG 74 L1/4	2310	1848	2163	1730	2100	1680	1806	1445	1470	1176
DSG 74 L2/4	2541	2033	2379	1903	2310	1848	1987	1589	1617	1294
DSG 86 K1/4	2552	2042	2390	1912	2320	1856	2111	1689	1856	1485
DSG 86 M1/4	2970	2376	2781	2225	2700	2160	2457	1966	2160	1728
DSG 86 L1/4	3410	2728	3193	2554	3100	2480	2821	2257	2480	1984
DSG 99 K0/4	3861	3089	3615	2892	3510	2808	3194	2555	2808	2246
DSG 99 K1/4	4543	3634	4254	3403	4130	3304	3758	3007	3304	2643
DSG 99 M1/4	5170	4136	4841	3873	4700	3760	4277	3422	3760	3008
DSG 99 L1/4	5830	4664	5459	4367	5300	4240	4823	3858	4240	3392



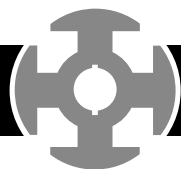
# 4 POLE High Voltage



**Star 3300V**      **50Hz/1500rpm**  
**0.8 Power Factor**

**TEMPERATURE RISE**

Model	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	833	666	788	630	750	600	660	528
DIG 110 h/4	999	799	945	756	900	720	792	634
DIG 110 i/4	1199	959	1134	907	1080	864	950	760
DIG 120 g/4	1443	1154	1365	1092	1300	1040	1144	915
DIG 120 h/4	1665	1332	1575	1260	1500	1200	1320	1056
DIG 120 i/4	1943	1554	1838	1470	1750	1400	1540	1232
DIG 120 k/4	2276	1820	2153	1722	2050	1640	1804	1443
DIG 130 h/4	2498	1998	2363	1890	2250	1800	1980	1584
DIG 130 i/4	2886	2309	2730	2184	2600	2080	2288	1830
DIG 130 k/4	3330	2664	3150	2520	3000	2400	2640	2112
DIG 130 l/4	3663	2930	3465	2772	3300	2640	2904	2323
DIG 142 c/4	4174	3339	3948	3158	3760	3008	3309	2647
DIG 130 m/4	4274	3419	4043	3234	3850	3080	3388	2710
DIG 142 d/4	4496	3596	4253	3402	4050	3240	3564	2851
DIG 142 f/4	5328	4262	5040	4032	4800	3840	4224	3379
DIG 156 i/4	5384	4307	5093	4074	4850	3880	4268	3414
DIG 142 g/4	5606	4484	5303	4242	5050	4040	4444	3555
DIG 150 k/4	5661	4529	5355	4284	5100	4080	4488	3590
DIG 150 l/4	6438	5150	6090	4872	5800	4640	5104	4083
DIG 142 i/4	6438	5150	6090	4872	5800	4640	5104	4083
DIG 156 l/4	7104	5683	6720	5376	6400	5120	5632	4506
DIG 150 m/4	7215	5772	6825	5460	6500	5200	5720	4576
DIG 150 n/4	7437	5950	7035	5628	6700	5360	5896	4717
DIG 156 m/4	8103	6482	7665	6132	7300	5840	6424	5139
DIG 150 o/4	8214	6571	7770	6216	7400	5920	6512	5210
DIG 156 n/4	8769	7015	8295	6636	7900	6320	6952	5562
DIG 156 o/4	9324	7459	8820	7056	8400	6720	7392	5914



# 4 POLE High Voltage

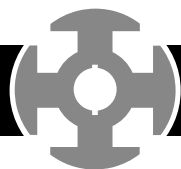


Star 6300V

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	833	666	788	630	750	600	660	528
DIG 110 h/4	999	799	945	756	900	720	792	634
DIG 110 i/4	1199	959	1134	907	1080	864	950	760
DIG 120 g/4	1443	1154	1365	1092	1300	1040	1144	915
DIG 120 h/4	1665	1332	1575	1260	1500	1200	1320	1056
DIG 120 i/4	1943	1554	1838	1470	1750	1400	1540	1232
DIG 130 g/4	2109	1687	1995	1596	1900	1520	1672	1338
DIG 130 h/4	2387	1909	2258	1806	2150	1720	1892	1514
DIG 130 i/4	2886	2309	2730	2184	2600	2080	2288	1830
DIG 130 k/4	3330	2664	3150	2520	3000	2400	2640	2112
DIG 142 c/4	4174	3339	3948	3158	3760	3008	3309	2647
DIG 142 d/4	4496	3596	4253	3402	4050	3240	3564	2851
DIG 142 e/4	4940	3952	4673	3738	4450	3560	3916	3133
DIG 156 i/4	5273	4218	4988	3990	4750	3800	4180	3344
DIG 142 f/4	5328	4262	5040	4032	4800	3840	4224	3379
DIG 142 g/4	5606	4484	5303	4242	5050	4040	4444	3555
DIG 150 k/4	5661	4529	5355	4284	5100	4080	4488	3590
DIG 142 h/4	5883	4706	5565	4452	5300	4240	4664	3731
DIG 150 l/4	6272	5017	5933	4746	5650	4520	4972	3978
DIG 142 i/4	6438	5150	6090	4872	5800	4640	5104	4083
DIG 156 l/4	6882	5506	6510	5208	6200	4960	5456	4365
DIG 150 m/4	6993	5594	6615	5292	6300	5040	5544	4435
DIG 150 n/4	7604	6083	7193	5754	6850	5480	6028	4822
DIG 150 o/4	7770	6216	7350	5880	7000	5600	6160	4928
DIG 156 m/4	7992	6394	7560	6048	7200	5760	6336	5069
DIG 156 n/4	8658	6926	8190	6552	7800	6240	6864	5491
DIG 156 o/4	9324	7459	8820	7056	8400	6720	7392	5914
DIG 156 p/4	10101	8081	9555	7644	9100	7280	8008	6406
DIG 156 q/4	10434	8347	9870	7896	9400	7520	8272	6618



# 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	833	666	788	630	750	600	660	528
DIG 110 h/4	999	799	945	756	900	720	792	634
DIG 110 i/4	1199	959	1134	907	1080	864	950	760
DIG 120 g/4	1443	1154	1365	1092	1300	1040	1144	915
DIG 120 h/4	1665	1332	1575	1260	1500	1200	1320	1056
DIG 120 i/4	1943	1554	1838	1470	1750	1400	1540	1232
DIG 130 g/4	2109	1687	1995	1596	1900	1520	1672	1338
DIG 130 h/4	2387	1909	2258	1806	2150	1720	1892	1514
DIG 130 i/4	2886	2309	2730	2184	2600	2080	2288	1830
DIG 130 k/4	3330	2664	3150	2520	3000	2400	2640	2112
DIG 142 c/4	4174	3339	3948	3158	3760	3008	3309	2647
DIG 142 d/4	4496	3596	4253	3402	4050	3240	3564	2851
DIG 142 e/4	4940	3952	4673	3738	4450	3560	3916	3133
DIG 156 i/4	5273	4218	4988	3990	4750	3800	4180	3344
DIG 142 f/4	5328	4262	5040	4032	4800	3840	4224	3379
DIG 142 g/4	5606	4484	5303	4242	5050	4040	4444	3555
DIG 150 k/4	5661	4529	5355	4284	5100	4080	4488	3590
DIG 142 h/4	5883	4706	5565	4452	5300	4240	4664	3731
DIG 150 l/4	6272	5017	5933	4746	5650	4520	4972	3978
DIG 142 i/4	6438	5150	6090	4872	5800	4640	5104	4083
DIG 156 l/4	6882	5506	6510	5208	6200	4960	5456	4365
DIG 150 m/4	6993	5594	6615	5292	6300	5040	5544	4435
DIG 150 n/4	7437	5950	7035	5628	6700	5360	5896	4717
DIG 150 o/4	7770	6216	7350	5880	7000	5600	6160	4928
DIG 156 m/4	7992	6394	7560	6048	7200	5760	6336	5069
DIG 156 n/4	8658	6926	8190	6552	7800	6240	6864	5491
DIG 156 o/4	9324	7459	8820	7056	8400	6720	7392	5914
DIG 156 p/4	10101	8081	9555	7644	9100	7280	8008	6406
DIG 156 q/4	10434	8347	9870	7896	9400	7520	8272	6618



# 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	999	799	945	756	900	720	792	634
DIG 110 i/4	1199	959	1134	907	1080	864	950	760
DIG 120 g/4	1277	1021	1208	966	1150	920	1012	810
DIG 120 h/4	1521	1217	1439	1151	1370	1096	1206	964
DIG 120 i/4	1832	1465	1733	1386	1650	1320	1452	1162
DIG 130 g/4	1998	1598	1890	1512	1800	1440	1584	1267
DIG 130 h/4	2331	1865	2205	1764	2100	1680	1848	1478
DIG 130 i/4	2775	2220	2625	2100	2500	2000	2200	1760
DIG 130 k/4	3108	2486	2940	2352	2800	2240	2464	1971
DIG 142 c/4	4174	3339	3948	3158	3760	3008	3309	2647
DIG 142 d/4	4496	3596	4253	3402	4050	3240	3564	2851
DIG 142 e/4	4940	3952	4673	3738	4450	3560	3916	3133
DIG 156 i/4	4995	3996	4725	3780	4500	3600	3960	3168
DIG 142 f/4	5328	4262	5040	4032	4800	3840	4224	3379
DIG 150 k/4	5550	4440	5250	4200	5000	4000	4400	3520
DIG 142 g/4	5606	4484	5303	4242	5050	4040	4444	3555
DIG 142 h/4	5883	4706	5565	4452	5300	4240	4664	3731
DIG 150 l/4	5994	4795	5670	4536	5400	4320	4752	3802
DIG 142 i/4	6438	5150	6090	4872	5800	4640	5104	4083
DIG 156 l/4	6660	5328	6300	5040	6000	4800	5280	4224
DIG 150 m/4	6716	5372	6353	5082	6050	4840	5324	4259
DIG 150 n/4	7215	5772	6825	5460	6500	5200	5720	4576
DIG 156 m/4	7770	6216	7350	5880	7000	5600	6160	4928
DIG 156 n/4	8436	6749	7980	6384	7600	6080	6688	5350
DIG 156 o/4	9213	7370	8715	6972	8300	6640	7304	5843
DIG 156 p/4	9990	7992	9450	7560	9000	7200	7920	6336
DIG 156 q/4	10323	8258	9765	7812	9300	7440	8184	6547



# 4 POLE High Voltage



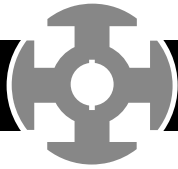
**Star 11000V**

**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	999	799	945	756	900	720	792	634
DIG 110 i/4	1199	959	1134	907	1080	864	950	760
DIG 120 g/4	1277	1021	1208	966	1150	920	1012	810
DIG 120 h/4	1521	1217	1439	1151	1370	1096	1206	964
DIG 120 i/4	1832	1465	1733	1386	1650	1320	1452	1162
DIG 130 g/4	1998	1598	1890	1512	1800	1440	1584	1267
DIG 130 h/4	2331	1865	2205	1764	2100	1680	1848	1478
DIG 130 i/4	2775	2220	2625	2100	2500	2000	2200	1760
DIG 130 k/4	3108	2486	2940	2352	2800	2240	2464	1971
DIG 142 c/4	4174	3339	3948	3158	3760	3008	3309	2647
DIG 142 d/4	4496	3596	4253	3402	4050	3240	3564	2851
DIG 142 e/4	4940	3952	4673	3738	4450	3560	3916	3133
DIG 142 f/4	5328	4262	5040	4032	4800	3840	4224	3379
DIG 150 k/4	5439	4351	5145	4116	4900	3920	4312	3450
DIG 142 g/4	5606	4484	5303	4242	5050	4040	4444	3555
DIG 142 h/4	5883	4706	5565	4452	5300	4240	4664	3731
DIG 150 l/4	6105	4884	5775	4620	5500	4400	4840	3872
DIG 142 i/4	6438	5150	6090	4872	5800	4640	5104	4083
DIG 150 m/4	6605	5284	6248	4998	5950	4760	5236	4189
DIG 156 l/4	6660	5328	6300	5040	6000	4800	5280	4224
DIG 150 n/4	7215	5772	6825	5460	6500	5200	5720	4576
DIG 156 m/4	7770	6216	7350	5880	7000	5600	6160	4928
DIG 156 n/4	8436	6749	7980	6384	7600	6080	6688	5350
DIG 156 o/4	9213	7370	8715	6972	8300	6640	7304	5843
DIG 156 p/4	9990	7992	9450	7560	9000	7200	7920	6336
DIG 156 q/4	10323	8258	9765	7812	9300	7440	8184	6547
DIG 156 q/4	10323	8258	9765	7812	9300	7440	8184	6547





# 4 POLE High Voltage

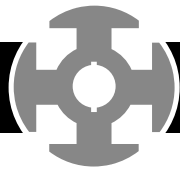


**Star 4160V**

**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	999	799	945	756	900	720	792	634
DIG 110 h/4	1199	959	1134	907	1080	864	950	760
DIG 110 i/4	1443	1154	1365	1092	1300	1040	1144	915
DIG 120 g/4	1809	1447	1712	1369	1630	1304	1434	1148
DIG 120 h/4	2109	1687	1995	1596	1900	1520	1672	1338
DIG 120 i/4	2442	1954	2310	1848	2200	1760	1936	1549
DIG 120 k/4	2886	2309	2730	2184	2600	2080	2288	1830
DIG 130 h/4	3164	2531	2993	2394	2850	2280	2508	2006
DIG 130 i/4	3497	2797	3308	2646	3150	2520	2772	2218
DIG 130 k/4	3996	3197	3780	3024	3600	2880	3168	2534
DIG 130 l/4	4440	3552	4200	3360	4000	3200	3520	2816
DIG 142 c/4	4800	3840	4540	3632	4324	3459	3805	3044
DIG 142 d/4	5170	4136	4890	3912	4658	3726	4099	3279
DIG 142 f/4	6127	4902	5796	4637	5520	4416	4858	3886
DIG 150 k/4	6327	5062	5985	4788	5700	4560	5016	4013
DIG 156 i/4	6327	5062	5985	4788	5700	4560	5016	4013
DIG 142 g/4	6494	5195	6143	4914	5850	4680	5148	4118
DIG 150 l/4	6993	5594	6615	5292	6300	5040	5544	4435
DIG 142 i/4	7437	5950	7035	5628	6700	5360	5896	4717
DIG 150 m/4	7992	6394	7560	6048	7200	5760	6336	5069
DIG 156 l/4	8547	6838	8085	6468	7700	6160	6776	5421
DIG 150 n/4	8991	7193	8505	6804	8100	6480	7128	5702
DIG 150 o/4	9435	7548	8925	7140	8500	6800	7480	5984
DIG 156 m/4	9768	7814	9240	7392	8800	7040	7744	6195
DIG 156 n/4	10434	8347	9870	7896	9400	7520	8272	6618
DIG 156 o/4	11322	9058	10710	8568	10200	8160	8976	7181



# 4 POLE High Voltage



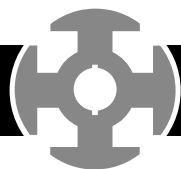
Star 6600V

60Hz/1800rpm

0.8 Power Factor

**TEMPERATURE RISE**

Model	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	999	799	945	756	900	720	792	634
DIG 110 h/4	1166	932	1103	882	1050	840	924	739
DIG 110 i/4	1388	1110	1313	1050	1250	1000	1100	880
DIG 120 g/4	1665	1332	1575	1260	1500	1200	1320	1056
DIG 120 h/4	1943	1554	1838	1470	1750	1400	1540	1232
DIG 120 i/4	2442	1954	2310	1848	2200	1760	1936	1549
DIG 130 g/4	2442	1954	2310	1848	2200	1760	1936	1549
DIG 130 h/4	2664	2131	2520	2016	2400	1920	2112	1690
DIG 130 i/4	3330	2664	3150	2520	3000	2400	2640	2112
DIG 130 k/4	3830	3064	3623	2898	3450	2760	3036	2429
DIG 142 c/4	4718	3774	4463	3570	4250	3400	3740	2992
DIG 142 d/4	5106	4085	4830	3864	4600	3680	4048	3238
DIG 142 e/4	5661	4529	5355	4284	5100	4080	4488	3590
DIG 156 i/4	6105	4884	5775	4620	5500	4400	4840	3872
DIG 142 f/4	6216	4973	5880	4704	5600	4480	4928	3942
DIG 150 k/4	6327	5062	5985	4788	5700	4560	5016	4013
DIG 142 g/4	6660	5328	6300	5040	6000	4800	5280	4224
DIG 150 l/4	6993	5594	6615	5292	6300	5040	5544	4435
DIG 142 h/4	7326	5861	6930	5544	6600	5280	5808	4646
DIG 150 m/4	7992	6394	7560	6048	7200	5760	6336	5069
DIG 156 l/4	7992	6394	7560	6048	7200	5760	6336	5069
DIG 150 n/4	8603	6882	8138	6510	7750	6200	6820	5456
DIG 150 o/4	8880	7104	8400	6720	8000	6400	7040	5632
DIG 156 m/4	9435	7548	8925	7140	8500	6800	7480	5984
DIG 156 n/4	10101	8081	9555	7644	9100	7280	8008	6406



# 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	2276	1820	2153	1722	2050	1640	1804	1443
DIG 130 h/4	2609	2087	2468	1974	2350	1880	2068	1654
DIG 130 i/4	3275	2620	3098	2478	2950	2360	2596	2077
DIG 130 k/4	3608	2886	3413	2730	3250	2600	2860	2288
DIG 142 c/4	4607	3685	4358	3486	4150	3320	3652	2922
DIG 142 d/4	4940	3952	4673	3738	4450	3560	3916	3133
DIG 142 e/4	5439	4351	5145	4116	4900	3920	4312	3450
DIG 150 k/4	5550	4440	5250	4200	5000	4000	4400	3520
DIG 142 f/4	5828	4662	5513	4410	5250	4200	4620	3696
DIG 142 g/4	6216	4973	5880	4704	5600	4480	4928	3942
DIG 150 l/4	6327	5062	5985	4788	5700	4560	5016	4013
DIG 142 h/4	6494	5195	6143	4914	5850	4680	5148	4118
DIG 150 m/4	6660	5328	6300	5040	6000	4800	5280	4224
DIG 150 n/4	6993	5594	6615	5292	6300	5040	5544	4435
DIG 156 l/4	7104	5683	6720	5376	6400	5120	5632	4506
DIG 156 m/4	8436	6749	7980	6384	7600	6080	6688	5350
DIG 156 n/4	9435	7548	8925	7140	8500	6800	7480	5984



# 6 POLE Low Voltage



Star 400V

50Hz/1000rpm

0.8 Power Factor

## TEMPERATURE RISE

Model	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	762	610	740	592	636	509	518	414
DSG 74 M2/6	1001	801	937	750	910	728	783	626	637	510
DSG 74 L1/6	1210	968	1133	906	1100	880	946	757	770	616
DSG 74 L2/6	1342	1074	1257	1005	1220	976	1049	839	854	683
DSG 86 K1/6	1650	1320	1545	1236	1500	1200	1365	1092	1200	960
DSG 86 M1/6	1837	1470	1720	1376	1670	1336	1520	1216	1336	1069
DSG 86 L1/6	2101	1681	1967	1574	1910	1528	1738	1390	1528	1222
DSG 99 K0/6	2464	1971	2307	1846	2240	1792	2038	1631	1792	1434
DSG 99 K1/6	2816	2253	2637	2109	2560	2048	2330	1864	2048	1638
DSG 99 M1/6	2970	2376	2781	2225	2700	2160	2457	1966	2160	1728
DSG 99 L1/6	3355	2684	3142	2513	3050	2440	2776	2220	2440	1952
DSG 114 K1/6	3707	2965	3502	2802	3400	2720	3162	2530	2788	2230
DSG 114 M1/6	4393	3515	4151	3321	4030	3224	3748	2998	3305	2644
DSG 114 M2/6	5396	4317	5099	4079	4950	3960	4604	3683	4059	3247



# 6 POLE Low Voltage



Star 690V

50Hz/1000rpm

0.8 Power Factor

## TEMPERATURE RISE

Model	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	731	585	710	568	611	488	497	398
DSG 74 M2/6	990	792	927	742	900	720	774	619	630	504
DSG 74 L1/6	1155	924	1082	865	1050	840	903	722	735	588
DSG 86 K1/6	1364	1091	1277	1022	1240	992	1128	903	992	794
DSG 86 M1/6	1705	1364	1597	1277	1550	1240	1411	1128	1240	992
DSG 86 L1/6	2101	1681	1967	1574	1910	1528	1738	1390	1528	1222
DSG 99 K0/6	2255	1804	2112	1689	2050	1640	1866	1492	1640	1312
DSG 99 M1/6	2860	2288	2678	2142	2600	2080	2366	1893	2080	1664
DSG 99 L1/6	3520	2816	3296	2637	3200	2560	2912	2330	2560	2048
DSG 114 K1/6	3816	3053	3605	2884	3500	2800	3255	2604	2870	2296
DSG 114 M2/6	4742	3794	4481	3584	4350	3480	4046	3236	3567	2854
DSG 114 L1/6	5451	4361	5150	4120	5000	4000	4650	3720	4100	3280



# 6 POLE Low Voltage



Star 480V

60Hz/1200rpm

0.8 Power Factor

### TEMPERATURE RISE

Model	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	917	733	890	712	765	612	623	498
DSG 74 M2/6	1199	959	1123	898	1090	872	937	750	763	610
DSG 74 L1/6	1452	1162	1360	1088	1320	1056	1135	908	924	739
DSG 74 L2/6	1612	1289	1509	1207	1465	1172	1260	1008	1026	820
DSG 86 K1/6	1980	1584	1854	1483	1800	1440	1638	1310	1440	1152
DSG 86 M1/6	2204	1764	2064	1651	2004	1603	1824	1459	1603	1283
DSG 86 L1/6	2521	2017	2361	1889	2292	1834	2086	1669	1834	1467
DSG 99 K0/6	2957	2365	2769	2215	2688	2150	2446	1957	2150	1720
DSG 99 K1/6	3379	2703	3164	2531	3072	2458	2796	2236	2458	1966
DSG 99 M1/6	3564	2851	3337	2670	3240	2592	2948	2359	2592	2074
DSG 99 L1/6	4026	3221	3770	3016	3660	2928	3331	2664	2928	2342
DSG 114 K1/6	4448	3558	4202	3362	4080	3264	3794	3036	3346	2676
DSG 114 M1/6	5272	4218	4981	3985	4836	3869	4497	3598	3966	3172
DSG 114 M2/6	6476	5181	6118	4895	5940	4752	5524	4419	4871	3897



# 6 POLE Low Voltage



Star 600V

60Hz/1200rpm

0.8 Power Factor

## TEMPERATURE RISE

Model	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	1388	1111	1348	1078	1227	981	1078	863
DSG 86 M1/6	1827	1462	1711	1369	1661	1329	1511	1209	1329	1063
DSG 99 K0/6	2104	1683	1970	1576	1913	1530	1741	1393	1530	1224
DSG 86 L1/6	2200	1760	2060	1648	2000	1600	1820	1456	1600	1280
DSG 99 K1/6	2391	1913	2239	1791	2174	1739	1978	1583	1739	1391
DSG 99 M1/6	2630	2104	2463	1970	2391	1913	2176	1741	1913	1530
DSG 99 L1/6	3109	2487	2911	2329	2826	2261	2572	2057	2261	1809
DSG 114 K1/6	3460	2768	3269	2615	3174	2539	2952	2361	2603	2082
DSG 114 M1/6	4029	3223	3807	3045	3696	2957	3437	2750	3030	2424
DSG 114 M2/6	4740	3792	4478	3583	4348	3478	4043	3235	3565	2852
DSG 114 L1/6	5593	4474	5284	4227	5130	4104	4771	3817	4207	3366



# 6 POLE Low Voltage



Star 690V

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

**TEMPERATURE RISE**

Model	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	927	742	900	720	774	619	630	504
DSG 74 M2/6	1166	933	1092	873	1060	848	912	729	742	594
DSG 74 L1/6	1397	1118	1308	1046	1270	1016	1092	874	889	711
DSG 86 K1/6	1705	1364	1597	1277	1550	1240	1411	1128	1240	992
DSG 86 M1/6	2101	1681	1967	1574	1910	1528	1738	1390	1528	1222
DSG 99 K0/6	2420	1936	2266	1813	2200	1760	2002	1602	1760	1408
DSG 86 L1/6	2530	2024	2369	1895	2300	1840	2093	1674	1840	1472
DSG 99 K1/6	2750	2200	2575	2060	2500	2000	2275	1820	2000	1600
DSG 99 M1/6	3025	2420	2833	2266	2750	2200	2503	2002	2200	1760
DSG 99 L1/6	3575	2860	3348	2678	3250	2600	2958	2366	2600	2080
DSG 114 K1/6	3979	3183	3760	3008	3650	2920	3395	2716	2993	2394
DSG 114 M1/6	4633	3707	4378	3502	4250	3400	3953	3162	3485	2788
DSG 114 M2/6	5451	4361	5150	4120	5000	4000	4650	3720	4100	3280
DSG 114 L1/6	6432	5146	6077	4862	5900	4720	5487	4390	4838	3870





# 6 POLE High Voltage



**Star 3300V**      **50Hz/1000rpm**  
**0.8 Power Factor**

**TEMPERATURE RISE**

Model	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/6	1920	1536	1817	1453	1730	1384	1522
DIG 130 i/6	2276	1820	2153	1722	2050	1640	1804	1443
DIG 130 k/6	2498	1998	2363	1890	2250	1800	1980	1584
DIG 140 h/6	2775	2220	2625	2100	2500	2000	2200	1760
DIG 130 l/6	2942	2353	2783	2226	2650	2120	2332	1866
DIG 140 i/6	3058	2446	2893	2314	2755	2204	2424	1940
DIG 140 k/6	3386	2708	3203	2562	3050	2440	2684	2147
DIG 140 l/6	3719	2975	3518	2814	3350	2680	2948	2358
DIG 140 m/6	4052	3241	3833	3066	3650	2920	3212	2570
DIG 150 k/6	4329	3463	4095	3276	3900	3120	3432	2746
DIG 140 n/6	4496	3596	4253	3402	4050	3240	3564	2851
DIG 150 l/6	5106	4085	4830	3864	4600	3680	4048	3238
DIG 150 m/6	5772	4618	5460	4368	5200	4160	4576	3661
DIG 150 n/6	6105	4884	5775	4620	5500	4400	4840	3872
DIG 156 l/6	6216	4973	5880	4704	5600	4480	4928	3942
DIG 156 m/6	6993	5594	6615	5292	6300	5040	5544	4435
DIG 156 n/6	7548	6038	7140	5712	6800	5440	5984	4787
DIG 156 o/6	8547	6838	8085	6468	7700	6160	6776	5421
DIG 156 p/6	8880	7104	8400	6720	8000	6400	7040	5632
DIG 156 q/6	9435	7548	8925	7140	8500	6800	7480	5984



# 6 POLE High Voltage



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

## TEMPERATURE RISE

Model	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	1610	1288	1523	1218	1450	1160	1276	1021
DIG 130 h/6	1776	1421	1680	1344	1600	1280	1408	1126
DIG 130 i/6	2109	1687	1995	1596	1900	1520	1672	1338
DIG 130 k/6	2442	1954	2310	1848	2200	1760	1936	1549
DIG 140 h/6	2664	2131	2520	2016	2400	1920	2112	1690
DIG 140 i/6	2942	2353	2783	2226	2650	2120	2332	1866
DIG 140 k/6	3330	2664	3150	2520	3000	2400	2640	2112
DIG 140 l/6	3885	3108	3675	2940	3500	2800	3080	2464
DIG 150 k/6	4163	3330	3938	3150	3750	3000	3300	2640
DIG 140 m/6	4218	3374	3990	3192	3800	3040	3344	2675
DIG 150 l/6	4884	3907	4620	3696	4400	3520	3872	3098
DIG 150 m/6	5495	4396	5198	4158	4950	3960	4356	3485
DIG 150 n/6	5828	4662	5513	4410	5250	4200	4620	3696
DIG 156 l/6	6216	4973	5880	4704	5600	4480	4928	3942
DIG 156 m/6	6993	5594	6615	5292	6300	5040	5544	4435
DIG 156 n/6	7548	6038	7140	5712	6800	5440	5984	4787
DIG 156 o/6	8547	6838	8085	6468	7700	6160	6776	5421
DIG 156 p/6	8880	7104	8400	6720	8000	6400	7040	5632
DIG 156 q/6	9435	7548	8925	7140	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 130 g/6	1610	1288	1523	1218	1450	1160	1276	1021
DIG 130 h/6	1832	1465	1733	1386	1650	1320	1452	1162
DIG 130 i/6	2165	1732	2048	1638	1950	1560	1716	1373
DIG 130 k/6	2498	1998	2363	1890	2250	1800	1980	1584
DIG 140 h/6	2664	2131	2520	2016	2400	1920	2112	1690
DIG 140 i/6	2942	2353	2783	2226	2650	2120	2332	1866
DIG 140 k/6	3330	2664	3150	2520	3000	2400	2640	2112
DIG 140 l/6	3885	3108	3675	2940	3500	2800	3080	2464
DIG 140 m/6	4218	3374	3990	3192	3800	3040	3344	2675
DIG 150 k/6	4329	3463	4095	3276	3900	3120	3432	2746
DIG 150 l/6	5106	4085	4830	3864	4600	3680	4048	3238
DIG 150 m/6	5772	4618	5460	4368	5200	4160	4576	3661
DIG 150 n/6	6105	4884	5775	4620	5500	4400	4840	3872
DIG 156 l/6	6216	4973	5880	4704	5600	4480	4928	3942
DIG 156 m/6	6993	5594	6615	5292	6300	5040	5544	4435
DIG 156 n/6	7548	6038	7140	5712	6800	5440	5984	4787
DIG 156 o/6	8547	6838	8085	6468	7700	6160	6776	5421
DIG 156 p/6	8880	7104	8400	6720	8000	6400	7040	5632
DIG 156 q/6	9435	7548	8925	7140	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	1499	1199	1418	1134	1350	1080	1188	950
DIG 130 h/6	1721	1376	1628	1302	1550	1240	1364	1091
DIG 130 i/6	2054	1643	1943	1554	1850	1480	1628	1302
DIG 130 k/6	2331	1865	2205	1764	2100	1680	1848	1478
DIG 140 h/6	2442	1954	2310	1848	2200	1760	1936	1549
DIG 130 m/6	2612	2089	2471	1977	2353	1882	2071	1657
DIG 140 i/6	2720	2176	2573	2058	2450	1960	2156	1725
DIG 140 k/6	3108	2486	2940	2352	2800	2240	2464	1971
DIG 140 l/6	3441	2753	3255	2604	3100	2480	2728	2182
DIG 150 k/6	3830	3064	3623	2898	3450	2760	3036	2429
DIG 140 m/6	3885	3108	3675	2940	3500	2800	3080	2464
DIG 150 l/6	4135	3308	3911	3129	3725	2980	3278	2622
DIG 150 m/6	4773	3818	4515	3612	4300	3440	3784	3027
DIG 150 n/6	5217	4174	4935	3948	4700	3760	4136	3309
DIG 156 l/6	6105	4884	5775	4620	5500	4400	4840	3872
DIG 156 m/6	6938	5550	6563	5250	6250	5000	5500	4400
DIG 156 n/6	7382	5905	6983	5586	6650	5320	5852	4682
DIG 156 o/6	7992	6394	7560	6048	7200	5760	6336	5069
DIG 156 p/6	8658	6926	8190	6552	7800	6240	6864	5491
DIG 156 q/6	9435	7548	8925	7140	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 130 g/6	1499	1199	1418	1134	1350	1080	1188	950
DIG 130 h/6	1721	1376	1628	1302	1550	1240	1364	1091
DIG 130 i/6	2054	1643	1943	1554	1850	1480	1628	1302
DIG 130 k/6	2331	1865	2205	1764	2100	1680	1848	1478
DIG 140 h/6	2442	1954	2310	1848	2200	1760	1936	1549
DIG 130 m/6	2736	2189	2588	2071	2465	1972	2169	1735
DIG 140 i/6	2775	2220	2625	2100	2500	2000	2200	1760
DIG 140 k/6	3053	2442	2888	2310	2750	2200	2420	1936
DIG 140 l/6	3608	2886	3413	2730	3250	2600	2860	2288
DIG 140 m/6	3885	3108	3675	2940	3500	2800	3080	2464
DIG 150 k/6	4052	3241	3833	3066	3650	2920	3212	2570
DIG 150 l/6	4329	3463	4095	3276	3900	3120	3432	2746
DIG 150 m/6	4773	3818	4515	3612	4300	3440	3784	3027
DIG 150 n/6	5495	4396	5198	4158	4950	3960	4356	3485
DIG 156 l/6	6105	4884	5775	4620	5500	4400	4840	3872
DIG 156 m/6	6938	5550	6563	5250	6250	5000	5500	4400
DIG 156 n/6	7382	5905	6983	5586	6650	5320	5852	4682
DIG 156 o/6	7992	6394	7560	6048	7200	5760	6336	5069
DIG 156 p/6	8658	6926	8190	6552	7800	6240	6864	5491
DIG 156 q/6	9435	7548	8925	7140	8500	6800	7480	5984



# 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 130 h/6	2220	1776	2100	1680	2000	1600	1760	1408
DIG 130 i/6	2886	2309	2730	2184	2600	2080	2288	1830
DIG 130 k/6	3275	2620	3098	2478	2950	2360	2596	2077
DIG 130 l/6	3663	2930	3465	2772	3300	2640	2904	2323
DIG 150 k/6	4940	3952	4673	3738	4450	3560	3916	3133
DIG 150 l/6	5828	4662	5513	4410	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 130 g/6	1832	1465	1733	1386	1650	1320	1452	1162
DIG 130 h/6	2109	1687	1995	1596	1900	1520	1672	1338
DIG 130 i/6	2442	1954	2310	1848	2200	1760	1936	1549
DIG 130 k/6	2886	2309	2730	2184	2600	2080	2288	1830
DIG 150 k/6	4940	3952	4673	3738	4450	3560	3916	3133
DIG 150 l/6	5828	4662	5513	4410	5250	4200	4620	3696



# 6 POLE High Voltage



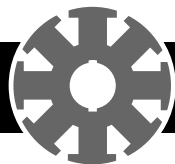
**Star** 13800V

**60Hz/1200rpm**

**0.8 Power Factor**

## TEMPERATURE RISE

Model	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>	1776	1421	1680	1344	<b>1600</b>	<b>1280</b>	1408	1126
<b>DIG 130 h/6</b>	2054	1643	1943	1554	<b>1850</b>	<b>1480</b>	1628	1302
<b>DIG 130 i/6</b>	2442	1954	2310	1848	<b>2200</b>	<b>1760</b>	1936	1549
<b>DIG 130 k/6</b>	2831	2264	2678	2142	<b>2550</b>	<b>2040</b>	2244	1795
<b>DIG 150 k/6</b>	4607	3685	4358	3486	<b>4150</b>	<b>3320</b>	3652	2922
<b>DIG 150 l/6</b>	5439	4351	5145	4116	<b>4900</b>	<b>3920</b>	4312	3450



# 8 POLE Low Voltage



Star 400V

50Hz/750rpm

0.8 Power Factor

## TEMPERATURE RISE

Model	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	639	511	620	496	533	427	434	347
DSG 74 M2/8	759	607	711	569	690	552	593	475	483	386
DSG 74 L1/8	858	686	803	643	780	624	671	537	546	437
DSG 86 K0/8	990	792	927	742	900	720	819	655	720	576
DSG 74 L2/8	1023	818	958	766	930	744	800	640	651	521
DSG 86 K1/8	1150	920	1076	861	1045	836	951	761	836	669
DSG 86 M1/8	1331	1065	1246	997	1210	968	1101	881	968	774
DSG 86 L1/8	1485	1188	1391	1112	1350	1080	1229	983	1080	864
DSG 99 K1/8	1815	1452	1700	1360	1650	1320	1502	1201	1320	1056
DSG 99 M1/8	2123	1698	1988	1590	1930	1544	1756	1405	1544	1235
DSG 99 L1/8	2486	1989	2328	1862	2260	1808	2057	1645	1808	1446
DSG 99 L2/8	2783	2226	2606	2085	2530	2024	2302	1842	2024	1619
DSG 114 K1/8	3162	2529	2987	2390	2900	2320	2697	2158	2378	1902
DSG 114 M1/8	3630	2904	3430	2744	3330	2664	3097	2478	2731	2184
DSG 114 L1/8	4393	3515	4151	3321	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	618	494	600	480	516	413	420	336
DSG 74 M2/8	759	607	711	569	690	552	593	475	483	386
DSG 74 L1/8	880	704	824	659	800	640	688	550	560	448
DSG 74 L2/8	946	757	886	709	860	688	740	592	602	482
DSG 86 K0/8	990	792	927	742	900	720	819	655	720	576
DSG 86 K1/8	1100	880	1030	824	1000	800	910	728	800	640
DSG 86 M1/8	1331	1065	1246	997	1210	968	1101	881	968	774
DSG 86 L1/8	1573	1258	1473	1178	1430	1144	1301	1041	1144	915
DSG 99 K1/8	1815	1452	1700	1360	1650	1320	1502	1201	1320	1056
DSG 99 M1/8	2123	1698	1988	1590	1930	1544	1756	1405	1544	1235
DSG 99 L1/8	2486	1989	2328	1862	2260	1808	2057	1645	1808	1446
DSG 114 K1/8	2616	2093	2472	1978	2400	1920	2232	1786	1968	1574
DSG 99 L2/8	2783	2226	2606	2085	2530	2024	2302	1842	2024	1619
DSG 114 M1/8	2943	2355	2781	2225	2700	2160	2511	2009	2214	1771
DSG 114 M2/8	3347	2677	3162	2530	3070	2456	2855	2284	2517	2014
DSG 114 L2/8	4143	3314	3914	3131	3800	3040	3534	2827	3116	2493
DSG 125 K2/8	4906	3925	4635	3708	4500	3600	4185	3348	3690	2952
DSG 125 M1/8	5832	4666	5511	4408	5350	4280	4976	3980	4387	3510
DSG 125 M2/8	6650	5320	6283	5026	6100	4880	5673	4538	5002	4002
DSG 125 L1/8	7631	6105	7210	5768	7000	5600	6510	5208	5740	4592



# 8 POLE Low Voltage



Star 480V

60Hz/900rpm

0.8 Power Factor

## TEMPERATURE RISE

Model	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	767	614	745	596	641	513	522	417
DSG 74 M2/8	913	730	855	684	830	664	714	571	581	465
DSG 74 L1/8	1029	823	963	770	935	748	804	643	655	524
DSG 74 L2/8	1227	981	1148	919	1115	892	959	767	781	624
DSG 86 K0/8	1366	1093	1279	1023	1242	994	1130	904	994	795
DSG 86 K1/8	1586	1269	1485	1188	1442	1154	1312	1050	1154	923
DSG 86 M1/8	1782	1426	1669	1335	1620	1296	1474	1179	1296	1037
DSG 86 L1/8	1958	1566	1833	1467	1780	1424	1620	1296	1424	1139
DSG 99 K1/8	2288	1830	2142	1714	2080	1664	1893	1514	1664	1331
DSG 99 M1/8	2673	2138	2503	2002	2430	1944	2211	1769	1944	1555
DSG 99 L1/8	3135	2508	2936	2348	2850	2280	2594	2075	2280	1824
DSG 99 L2/8	3509	2807	3286	2629	3190	2552	2903	2322	2552	2042
DSG 114 K1/8	3794	3035	3584	2868	3480	2784	3236	2589	2854	2283
DSG 114 M1/8	4356	3485	4116	3293	3996	3197	3716	2973	3277	2621
DSG 114 L1/8	5272	4218	4981	3985	4836	3869	4497	3598	3966	3172



# 8 POLE Low Voltage



Star 600V

60Hz/900rpm

0.8 Power Factor

## TEMPERATURE RISE

Model	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 K0/8	1033	826	967	774	939	751	855	684	751	601
DSG 99 L2/8	2850	2280	2669	2135	2591	2073	2358	1886	2073	1658
DSG 114 K1/8	3413	2730	3224	2579	3130	2504	2911	2329	2567	2054
DSG 114 M1/8	3934	3147	3717	2974	3609	2887	3356	2685	2959	2367
DSG 114 M2/8	4091	3272	3865	3092	3752	3002	3490	2792	3077	2461
DSG 114 L1/8	4683	3746	4425	3540	4296	3437	3995	3196	3522	2818



# 8 POLE Low Voltage

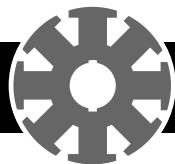


Star 690V

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	711	569	690	552	593	475	483	386
DSG 74 M2/8	880	704	824	659	800	640	688	550	560	448
DSG 74 L1/8	946	757	886	709	860	688	740	592	602	482
DSG 74 L2/8	1155	924	1082	865	1050	840	903	722	735	588
DSG 86 K0/8	1188	950	1112	890	1080	864	983	786	864	691
DSG 86 K1/8	1320	1056	1236	989	1200	960	1092	874	960	768
DSG 86 M1/8	1595	1276	1494	1195	1450	1160	1320	1056	1160	928
DSG 86 L1/8	1815	1452	1700	1360	1650	1320	1502	1201	1320	1056
DSG 99 K1/8	2178	1742	2039	1632	1980	1584	1802	1441	1584	1267
DSG 99 M1/8	2442	1954	2287	1829	2220	1776	2020	1616	1776	1421
DSG 99 L1/8	2937	2350	2750	2200	2670	2136	2430	1944	2136	1709
DSG 99 L2/8	3278	2622	3069	2456	2980	2384	2712	2169	2384	1907
DSG 114 K1/8	3925	3140	3708	2966	3600	2880	3348	2678	2952	2362
DSG 114 M1/8	4524	3619	4275	3420	4150	3320	3860	3088	3403	2722
DSG 114 M2/8	4704	3763	4444	3556	4315	3452	4013	3210	3538	2831
DSG 114 L1/8	5385	4308	5088	4071	4940	3952	4594	3675	4051	3241
DSG 125 K2/8	5832	4666	5511	4408	5350	4280	4976	3980	4387	3510
DSG 125 M1/8	6650	5320	6283	5026	6100	4880	5673	4538	5002	4002
DSG 125 M2/8	7631	6105	7210	5768	7000	5600	6510	5208	5740	4592
DSG 125 L1/8	9267	7413	8755	7004	8500	6800	7905	6324	6970	5576



# 8 POLE High Voltage



**Star** 3300V

**50Hz/750rpm**

**0.8 Power Factor**

## TEMPERATURE RISE

Model	Standby 138/27		Standby 125/40		Continuous 105/40 (F)		Continuous 80/40 (B)	
	kVA	kW	kVA	kW	kVA	kW	kVA	kW
DIG 130 i/8	1650	1320	1561	1249	1487	1189	1308	1047
DIG 150 k/8	3219	2575	3045	2436	2900	2320	2552	2042
DIG 150 l/8	3663	2930	3465	2772	3300	2640	2904	2323
DIG 150 m/8	4107	3286	3885	3108	3700	2960	3256	2605
DIG 150 n/8	4551	3641	4305	3444	4100	3280	3608	2886
DIG 156 k/8	4662	3730	4410	3528	4200	3360	3696	2957
DIG 156 l/8	5217	4174	4935	3948	4700	3760	4136	3309
DIG 150 o/8	5328	4262	5040	4032	4800	3840	4224	3379
DIG 156 m/8	5661	4529	5355	4284	5100	4080	4488	3590
DIG 156 n/8	6327	5062	5985	4788	5700	4560	5016	4013
DIG 156 o/8	7104	5683	6720	5376	6400	5120	5632	4506
DIG 156 p/8	7548	6038	7140	5712	6800	5440	5984	4787



# 8 POLE High Voltage



**Star 6300V**      **50Hz/750rpm**  
**0.8 Power Factor**

**TEMPERATURE RISE**

Model	Standby 138/27		Standby 125/40		Continuous 105/40 (F)		Continuous 80/40 (B)	
	kVA	kW	kVA	kW	kVA	kW	kVA	kW
<b>DIG 150 k/8</b>	3219	2575	3045	2436	<b>2900</b>	<b>2320</b>	2552	2042
<b>DIG 150 l/8</b>	3441	2753	3255	2604	<b>3100</b>	<b>2480</b>	2728	2182
<b>DIG 150 m/8</b>	3830	3064	3623	2898	<b>3450</b>	<b>2760</b>	3036	2429
<b>DIG 150 n/8</b>	4329	3463	4095	3276	<b>3900</b>	<b>3120</b>	3432	2746
<b>DIG 156 k/8</b>	4662	3730	4410	3528	<b>4200</b>	<b>3360</b>	3696	2957
<b>DIG 150 o/8</b>	5106	4085	4830	3864	<b>4600</b>	<b>3680</b>	4048	3238
<b>DIG 156 l/8</b>	5217	4174	4935	3948	<b>4700</b>	<b>3760</b>	4136	3309
<b>DIG 156 m/8</b>	5772	4618	5460	4368	<b>5200</b>	<b>4160</b>	4576	3661
<b>DIG 156 n/8</b>	6050	4840	5723	4578	<b>5450</b>	<b>4360</b>	4796	3837
<b>DIG 156 o/8</b>	7104	5683	6720	5376	<b>6400</b>	<b>5120</b>	5632	4506
<b>DIG 156 p/8</b>	7326	5861	6930	5544	<b>6600</b>	<b>5280</b>	5808	4646



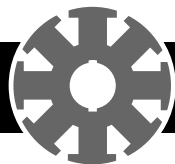
# 8 POLE High Voltage



**Star 6600V**     **50Hz/750rpm**  
**0.8 Power Factor**

**TEMPERATURE RISE**

Model	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	1388	1110	1301	1041	1239	991	1090	872
DIG 130 l/8	2109	1687	1977	1582	1883	1506	1657	1326
DIG 150 k/8	3108	2486	2940	2352	2800	2240	2464	1971
DIG 150 l/8	3552	2842	3360	2688	3200	2560	2816	2253
DIG 150 m/8	4052	3241	3833	3066	3650	2920	3212	2570
DIG 150 n/8	4551	3641	4305	3444	4100	3280	3608	2886
DIG 156 k/8	4662	3730	4410	3528	4200	3360	3696	2957
DIG 156 l/8	5217	4174	4935	3948	4700	3760	4136	3309
DIG 150 o/8	5328	4262	5040	4032	4800	3840	4224	3379
DIG 156 m/8	5772	4618	5460	4368	5200	4160	4576	3661
DIG 156 n/8	6327	5062	5985	4788	5700	4560	5016	4013
DIG 156 o/8	7104	5683	6720	5376	6400	5120	5632	4506
DIG 156 p/8	7326	5861	6930	5544	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 150 k/8	3164	2531	2993	2394	2850	2280	2508	2006
DIG 150 l/8	3663	2930	3465	2772	3300	2640	2904	2323
DIG 150 m/8	4052	3241	3833	3066	3650	2920	3212	2570
DIG 150 n/8	4440	3552	4200	3360	4000	3200	3520	2816
DIG 156 k/8	4662	3730	4410	3528	4200	3360	3696	2957
DIG 150 o/8	4773	3818	4515	3612	4300	3440	3784	3027
DIG 156 l/8	4884	3907	4620	3696	4400	3520	3872	3098
DIG 156 m/8	5550	4440	5250	4200	5000	4000	4400	3520
DIG 156 n/8	6327	5062	5985	4788	5700	4560	5016	4013
DIG 156 o/8	6660	5328	6300	5040	6000	4800	5280	4224
DIG 156 p/8	7437	5950	7035	5628	6700	5360	5896	4717

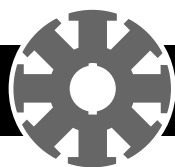
Star 11000V

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 150 k/8	3164	2531	2993	2394	2850	2280	2508	2006
DIG 150 l/8	3663	2930	3465	2772	3300	2640	2904	2323
DIG 150 m/8	4274	3419	4043	3234	3850	3080	3388	2710
DIG 150 n/8	4440	3552	4200	3360	4000	3200	3520	2816
DIG 156 k/8	4662	3730	4410	3528	4200	3360	3696	2957
DIG 150 o/8	4995	3996	4725	3780	4500	3600	3960	3168
DIG 156 l/8	5162	4129	4883	3906	4650	3720	4092	3274
DIG 156 m/8	5772	4618	5460	4368	5200	4160	4576	3661
DIG 156 n/8	6216	4973	5880	4704	5600	4480	4928	3942
DIG 156 o/8	6660	5328	6300	5040	6000	4800	5280	4224
DIG 156 p/8	7437	5950	7035	5628	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
DIG 150 k/8	4218	3374	3990	3192	3800	3040	3344	2675
DIG 150 l/8	4662	3730	4410	3528	4200	3360	3696	2957
DIG 150 m/8	5106	4085	4830	3864	4600	3680	4048	3238
DIG 156 k/8	5439	4351	5145	4116	4900	3920	4312	3450
DIG 150 n/8	5550	4440	5250	4200	5000	4000	4400	3520
DIG 150 o/8	5994	4795	5670	4536	5400	4320	4752	3802
DIG 156 l/8	5994	4795	5670	4536	5400	4320	4752	3802
DIG 156 m/8	6549	5239	6195	4956	5900	4720	5192	4154
DIG 156 n/8	7104	5683	6720	5376	6400	5120	5632	4506
DIG 156 o/8	7937	6349	7508	6006	7150	5720	6292	5034

**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
DIG 150 k/8	3497	2797	3308	2646	3150	2520	2772	2218
DIG 150 l/8	3996	3197	3780	3024	3600	2880	3168	2534
DIG 150 m/8	4551	3641	4305	3444	4100	3280	3608	2886
DIG 150 n/8	5273	4218	4988	3990	4750	3800	4180	3344
DIG 156 k/8	5550	4440	5250	4200	5000	4000	4400	3520
DIG 150 o/8	5994	4795	5670	4536	5400	4320	4752	3802
DIG 156 l/8	6105	4884	5775	4620	5500	4400	4840	3872
DIG 156 m/8	6882	5506	6510	5208	6200	4960	5456	4365
DIG 156 n/8	7548	6038	7140	5712	6800	5440	5984	4787
DIG 156 o/8	8325	6660	7875	6300	7500	6000	6600	5280



# 8 POLE High Voltage



**Star 13800V**      **60Hz/900rpm**  
**0.8 Power Factor**

**TEMPERATURE RISE**

Model	Standby 138/27		Standby 125/40		Continuous 105/40 (F)		Continuous 80/40 (B)	
	kVA	kW	kVA	kW	kVA	kW	kVA	kW
	<b>DIG 150 k/8</b>	3663	2930	3465	2772	<b>3300</b>	<b>2640</b>	2904
<b>DIG 150 l/8</b>	4218	3374	3990	3192	<b>3800</b>	<b>3040</b>	3344	2675
<b>DIG 150 m/8</b>	4662	3730	4410	3528	<b>4200</b>	<b>3360</b>	3696	2957
<b>DIG 150 n/8</b>	5106	4085	4830	3864	<b>4600</b>	<b>3680</b>	4048	3238
<b>DIG 156 k/8</b>	5217	4174	4935	3948	<b>4700</b>	<b>3760</b>	4136	3309
<b>DIG 156 l/8</b>	5772	4618	5460	4368	<b>5200</b>	<b>4160</b>	4576	3661
<b>DIG 156 m/8</b>	6438	5150	6090	4872	<b>5800</b>	<b>4640</b>	5104	4083
<b>DIG 156 n/8</b>	7271	5816	6878	5502	<b>6550</b>	<b>5240</b>	5764	4611
<b>DIG 156 o/8</b>	7770	6216	7350	5880	<b>7000</b>	<b>5600</b>	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	690	552	670	536	610	488	536	429
<b>DSG 86 K1/10</b>	902	722	845	676	820	656	746	597	656	525
<b>DSG 86 M1/10</b>	1051	840	984	787	955	764	869	695	764	611
<b>DSG 86 L1/10</b>	1221	977	1143	915	1110	888	1010	808	888	710
<b>DSG 99 K1/10</b>	1342	1074	1257	1005	1220	976	1110	888	976	781
<b>DSG 99 M1/10</b>	1562	1250	1463	1170	1420	1136	1292	1034	1136	909
<b>DSG 99 L1/10</b>	1771	1417	1658	1327	1610	1288	1465	1172	1288	1030
<b>DSG 99 L2/10</b>	2013	1610	1885	1508	1830	1464	1665	1332	1464	1171
<b>DSG 114 K1/10</b>	2344	1875	2215	1772	2150	1720	2000	1600	1763	1410
<b>DSG 114 M1/10</b>	2578	2063	2436	1949	2365	1892	2199	1760	1939	1551
<b>DSG 114 M2/10</b>	2987	2390	2822	2258	2740	2192	2548	2039	2247	1797
<b>DSG 114 L1/10</b>	3401	2721	3214	2571	3120	2496	2902	2321	2558	2047



# 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	742	593	<b>720</b>	<b>576</b>	655	524	576	461
<b>DSG 86 K1/10</b>	902	722	845	676	<b>820</b>	<b>656</b>	746	597	656	525
<b>DSG 86 M1/10</b>	1051	840	984	787	<b>955</b>	<b>764</b>	869	695	764	611
<b>DSG 86 L1/10</b>	1221	977	1143	915	<b>1110</b>	<b>888</b>	1010	808	888	710
<b>DSG 99 K1/10</b>	1342	1074	1257	1005	<b>1220</b>	<b>976</b>	1110	888	976	781
<b>DSG 99 M1/10</b>	1562	1250	1463	1170	<b>1420</b>	<b>1136</b>	1292	1034	1136	909
<b>DSG 99 L1/10</b>	1925	1540	1803	1442	<b>1750</b>	<b>1400</b>	1593	1274	1400	1120
<b>DSG 99 L2/10</b>	2200	1760	2060	1648	<b>2000</b>	<b>1600</b>	1820	1456	1600	1280
<b>DSG 114 K1/10</b>	2268	1814	2142	1714	<b>2080</b>	<b>1664</b>	1934	1548	1706	1364
<b>DSG 114 M1/10</b>	2616	2093	2472	1978	<b>2400</b>	<b>1920</b>	2232	1786	1968	1574
<b>DSG 114 M2/10</b>	2998	2398	2833	2266	<b>2750</b>	<b>2200</b>	2558	2046	2255	1804
<b>DSG 114 L1/10</b>	3543	2834	3348	2678	<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	828	662	<b>804</b>	<b>643</b>	732	585	643	515
<b>DSG 86 K1/10</b>	1082	866	1014	811	<b>984</b>	<b>787</b>	895	716	787	630
<b>DSG 86 M1/10</b>	1261	1008	1180	944	<b>1146</b>	<b>917</b>	1043	834	917	733
<b>DSG 86 L1/10</b>	1465	1172	1372	1098	<b>1332</b>	<b>1066</b>	1212	970	1066	852
<b>DSG 99 K1/10</b>	1610	1288	1508	1206	<b>1464</b>	<b>1171</b>	1332	1066	1171	937
<b>DSG 99 M1/10</b>	1874	1500	1755	1404	<b>1704</b>	<b>1363</b>	1551	1241	1363	1091
<b>DSG 99 L1/10</b>	2125	1700	1990	1592	<b>1932</b>	<b>1546</b>	1758	1406	1546	1236
<b>DSG 99 L2/10</b>	2416	1932	2262	1810	<b>2196</b>	<b>1757</b>	1998	1599	1757	1405
<b>DSG 114 K1/10</b>	2813	2250	2657	2126	<b>2580</b>	<b>2064</b>	2399	1920	2116	1692
<b>DSG 114 M1/10</b>	3094	2475	2923	2339	<b>2838</b>	<b>2270</b>	2639	2111	2327	1862
<b>DSG 114 M2/10</b>	3585	2868	3387	2709	<b>3288</b>	<b>2630</b>	3058	2446	2696	2157
<b>DSG 114 L1/10</b>	4082	3265	3856	3085	<b>3744</b>	<b>2995</b>	3482	2786	3070	2456



# 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	845	676	820	656	746	597	656	525
DSG 86 K1/10	1045	836	979	783	950	760	865	692	760	608
DSG 86 M1/10	1265	1012	1185	948	1150	920	1047	837	920	736
DSG 86 L1/10	1430	1144	1339	1071	1300	1040	1183	946	1040	832
DSG 99 K1/10	1562	1250	1463	1170	1420	1136	1292	1034	1136	909
DSG 99 M1/10	1925	1540	1803	1442	1750	1400	1593	1274	1400	1120
DSG 99 L1/10	2200	1760	2060	1648	2000	1600	1820	1456	1600	1280
DSG 114 K1/10	2616	2093	2472	1978	2400	1920	2232	1786	1968	1574
DSG 114 M1/10	2998	2398	2833	2266	2750	2200	2558	2046	2255	1804
DSG 114 M2/10	3543	2834	3348	2678	3250	2600	3023	2418	2665	2132
DSG 114 L1/10	3925	3140	3708	2966	3600	2880	3348	2678	2952	2362
DSG 125 K1/10	4579	3663	4326	3461	4200	3360	3906	3125	3444	2755
DSG 125 M1/10	5233	4186	4944	3955	4800	3840	4464	3571	3936	3149
DSG 125 M2/10	5669	4535	5356	4285	5200	4160	4836	3869	4264	3411
DSG 125 L1/10	6269	5015	5923	4738	5750	4600	5348	4278	4715	3772
DSG 144 M1/10	7195	5756	6798	5438	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	3830	3064	3623	2898	3450	2760	3036	2429
DIG 156 l/10	4496	3596	4253	3402	4050	3240	3564	2851
DIG 156 m/10	4662	3730	4410	3528	4200	3360	3696	2957
DIG 156 n/10	5106	4085	4830	3864	4600	3680	4048	3238
DIG 156 o/10	5550	4440	5250	4200	5000	4000	4400	3520
DIG 156 p/10	6749	5399	6384	5107	6080	4864	5350	4280
DIG 156 q/10	7604	6083	7193	5754	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	3941	3152	3728	2982	3550	2840	3124	2499
DIG 156 l/10	4218	3374	3990	3192	3800	3040	3344	2675
DIG 156 m/10	4662	3730	4410	3528	4200	3360	3696	2957
DIG 156 n/10	5106	4085	4830	3864	4600	3680	4048	3238
DIG 156 o/10	5550	4440	5250	4200	5000	4000	4400	3520
DIG 156 p/10	5994	4795	5670	4536	5400	4320	4752	3802
DIG 156 q/10	6549	5239	6195	4956	5900	4720	5192	4154



# 10 POLE High Voltage



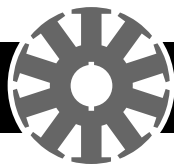
**Star 6600V**      **50Hz/600rpm**  
**0.8 Power Factor**

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	3941	3152	3728	2982	3550	2840	3124	2499
DIG 156 l/10	4329	3463	4095	3276	3900	3120	3432	2746
DIG 156 m/10	4662	3730	4410	3528	4200	3360	3696	2957
DIG 156 n/10	5106	4085	4830	3864	4600	3680	4048	3238
DIG 156 o/10	5550	4440	5250	4200	5000	4000	4400	3520
DIG 156 p/10	5994	4795	5670	4536	5400	4320	4752	3802
DIG 156 q/10	6549	5239	6195	4956	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	3441	2753	3255	2604	3100	2480	2728	2182
DIG 156 l/10	4107	3286	3885	3108	3700	2960	3256	2605
DIG 156 m/10	4440	3552	4200	3360	4000	3200	3520	2816
DIG 156 n/10	4995	3996	4725	3780	4500	3600	3960	3168
DIG 156 o/10	5439	4351	5145	4116	4900	3920	4312	3450
DIG 156 p/10	5772	4618	5460	4368	5200	4160	4576	3661
DIG 156 q/10	6105	4884	5775	4620	5500	4400	4840	3872





# 10 POLE High Voltage

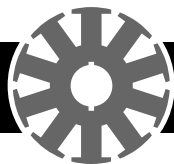


**Star 11000V**  
**50Hz/600rpm**  
**0.8 Power Factor**

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	3441	2753	3255	2604	3100	2480	2728	2182
DIG 156 l/10	3941	3152	3728	2982	3550	2840	3124	2499
DIG 156 m/10	4329	3463	4095	3276	3900	3120	3432	2746
DIG 156 n/10	4995	3996	4725	3780	4500	3600	3960	3168
DIG 156 o/10	5217	4174	4935	3948	4700	3760	4136	3309
DIG 156 p/10	5772	4618	5460	4368	5200	4160	4576	3661
DIG 156 q/10	6327	5062	5985	4788	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	5106	4085	4830	3864	4600	3680	4048	3238
DIG 156 l/10	5550	4440	5250	4200	5000	4000	4400	3520
DIG 156 m/10	5994	4795	5670	4536	5400	4320	4752	3802
DIG 156 n/10	6438	5150	6090	4872	5800	4640	5104	4083
DIG 156 o/10	7104	5683	6720	5376	6400	5120	5632	4506
DIG 156 p/10	8048	6438	7613	6090	7250	5800	6380	5104
DIG 156 q/10	8492	6793	8033	6426	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	4551	3641	4305	3444	4100	3280	3608	2886
DIG 156 m/10	5051	4040	4778	3822	4550	3640	4004	3203
DIG 156 l/10	5217	4174	4935	3948	4700	3760	4136	3309
DIG 156 n/10	6216	4973	5880	4704	5600	4480	4928	3942
DIG 156 o/10	6216	4973	5880	4704	5600	4480	4928	3942
DIG 156 p/10	6882	5506	6510	5208	6200	4960	5456	4365
DIG 156 q/10	7770	6216	7350	5880	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	2986	2389	2825	2260	2690	2152	2367	1894
DIG 156 l/10	3585	2868	3392	2713	3230	2584	2842	2274
DIG 156 m/10	3996	3197	3780	3024	3600	2880	3168	2534
DIG 156 n/10	4473	3579	4232	3385	4030	3224	3546	2837
DIG 156 o/10	4473	3579	4232	3385	4030	3224	3546	2837
DIG 156 p/10	5051	4040	4778	3822	4550	3640	4004	3203
DIG 156 q/10	5051	4040	4778	3822	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 'Delight our Customers' by providing 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 Cummins Generator Technologies 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 specifications

- 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
- Generator selection considerations
- Changing market requirements such as Grid codes or Marine standards

Collaborate with customers in customer focused 6 Sigma projects

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: [applications@cummins.com](mailto:applications@cummins.com)



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