

STAMFORD®
INDUSTRIAL RATINGS

Alternator Ratings Book
Edition 9

STAMFORD | AvK™

POWERING TOMORROW, TOGETHER

STAMFORD

S5L1D-G4 Wdg.311

RATINGS AT 0.8 POWER FACTOR

	Class - Temp Rise	Standby - 163/27°C				Standby - 150/40°C				Cont. H - 125/40°C				Cont. F - 105/40°C			
50 Hz	Series Star (V)	380	400	415	440	380	400	415	440	380	400	415	440	380	400	415	440
	Parallel Star (V)	190	200	208	220	190	200	208	220	190	200	208	220	190	200	208	220
	Series Delta (V)	220	230	240	254	220	230	240	254	220	230	240	254	220	230	240	254
	kVA	750	770	770	750	720	740	740	720	680	700	700	680	625	640	640	625
	kW	600	616	616	600	576	592	592	576	544	560	560	544	500	512	512	500
	Efficiency (%)	94.4	94.5	94.6	94.9	94.5	94.6	94.7	95.0	94.7	94.8	94.9	95.1	95.0	95.0	95.1	95.3
	kW Input	636	652	651	632	609	626	625	606	574	591	590	572	527	539	538	525

60 Hz	Series Star (V)	416	440	460	480	416	440	460	480	416	440	460	480	416	440	460	480
	Parallel Star (V)	208	220	230	240	208	220	230	240	208	220	230	240	208	220	230	240
	Series Delta (V)	240	254	266	277	240	254	266	277	240	254	266	277	240	254	266	277
	kVA	825	869	912	944	794	837	881	913	750	794	831	875	694	725	762	794
	kW	660	695	730	755	635	670	705	730	600	635	665	700	555	580	610	635
	Efficiency (%)	94.5	94.6	94.6	94.7	94.7	94.7	94.8	94.8	94.8	94.9	94.9	94.9	94.9	95.0	95.1	95.1
	kW Input	698	735	771	797	671	707	744	770	633	670	701	738	585	610	641	668

De-rates

All values tabulated above are subject to the following reductions:

- 5% when air inlet filters are fitted
- 3% for every 500 meters by which the operating altitude exceeds 1000 meters above mean sea level
- 3% for every 5°C by which the operational ambient temperature exceeds 40°C @ Class H temperature rise (please refer to applications for ambient temperature de-rates at other temperature rise classes)
- For any other operating conditions impacting the cooling circuit please refer to applications

Note: Requirement for operating in an ambient exceeding 60°C and altitude exceeding 4000 meters (for <690V) or 1500 meters (for >690V) must be referred to applications.

Dimensional and Torsional Drawing

For dimensional and torsional information please refer to the alternator General Arrangement and rotor drawings available on our website (http://stamford-avk.com/)

Note: Continuous development of our products means that the information contained in our data sheets can change without notice, and specifications should always be confirmed with Cummins Generator Technologies prior to purchase.