

STAMFORD®
INDUSTRIAL RATINGS

Alternator Ratings Book
Edition 9

STAMFORD | AvK™

POWERING TOMORROW, TOGETHER

STAMFORD

S5L1D-H4 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	780	825	825	780	755	800	800	755	710	750	750	710	650	685	685	650
	kW	624	660	660	624	604	640	640	604	568	600	600	568	520	548	548	520
	Efficiency (%)	94.2	94.2	94.4	94.8	94.4	94.4	94.5	94.9	94.6	94.6	94.7	95.0	94.9	94.9	95.0	95.2
	kW Input	662	701	699	658	640	678	677	637	600	634	633	598	548	578	577	546

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	881	931	975	1013	850	894	944	981	800	844	887	937	737	775	819	844
	kW	705	745	780	810	680	715	755	785	640	675	710	750	590	620	655	675
	Efficiency (%)	94.3	94.4	94.5	94.5	94.5	94.6	94.6	94.6	94.6	94.7	94.8	94.8	94.8	94.9	94.9	95.0
	kW Input	747	789	826	858	720	756	799	830	676	713	749	791	622	653	690	711

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.