

STAMFORD®
INDUSTRIAL RATINGS

Alternator Ratings Book
Edition 9

STAMFORD | AvK™

POWERING TOMORROW, TOGETHER

STAMFORD

S4L1D-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	475	500	500	475	455	480	480	455	430	450	450	430	390	410	410	390
	kW	380	400	400	380	364	384	384	364	344	360	360	344	312	328	328	312
	Efficiency (%)	92.8	92.8	93.0	93.4	93.1	93.0	93.2	93.6	93.3	93.3	93.5	93.7	93.7	93.7	93.8	94.0
	kW Input	409	431	430	407	391	413	412	389	369	386	385	367	333	350	350	332
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	565	600	600	625	535	575	575	600	500	535	540	563	455	485	490	510
	kW	452	480	480	500	428	460	460	480	400	428	432	450	364	388	392	408
	Efficiency (%)	92.9	92.9	93.1	93.2	93.2	93.1	93.3	93.3	93.4	93.4	93.6	93.6	93.7	93.8	93.9	93.9
	kW Input	487	517	515	537	459	494	493	514	428	458	462	481	388	414	418	435

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.