

STAMFORD®
INDUSTRIAL RATINGS

Alternator Ratings Book
Edition 9

STAMFORD | AvK™

POWERING TOMORROW, TOGETHER

STAMFORD

S1L2-K Winding 311 / 711

RATINGS AT 0.8 POWER FACTOR

	Class - Temp Rise	Standby - 163/27℃				Standby - 150/40℃				Cont. H - 125/40℃				Cont. F - 105/40℃			
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	40.3	44.0	44.0	N/A	39.0	42.6	42.6	N/A	36.6	40.0	40.0	N/A	33.3	36.4	36.4	N/A
	kW	32.2	35.2	35.2	N/A	31.2	34.1	34.1	N/A	29.3	32.0	32.0	N/A	26.6	29.1	29.1	N/A
	Efficiency (%)	87.1	86.6	86.8	N/A	87.4	87.0	87.2	N/A	88.2	87.8	88.0	N/A	89.0	88.7	88.8	N/A
	kW Input	37.0	40.7	40.6	N/A	35.7	39.2	39.1	N/A	33.2	36.4	36.4	N/A	29.9	32.8	32.8	N/A

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
	Delta (V)	240	254	266	277	240	254	266	277	240	254	266	277	240	254	266	277
	kVA	46.5	49.3	N/A	52.8	45.2	47.9	N/A	51.2	42.2	44.8	N/A	48.0	38.4	40.7	N/A	43.7
	kW	37.2	39.4	N/A	42.2	36.2	38.3	N/A	41.0	33.8	35.8	N/A	38.4	30.8	32.6	N/A	35.0
	Efficiency (%)	88.3	88.3	N/A	88.2	88.7	88.6	N/A	88.6	89.4	89.3	N/A	89.3	90.1	90.1	N/A	90.0
	kW Input	42.1	44.7	N/A	47.9	40.8	43.3	N/A	46.2	37.8	40.1	N/A	43.0	34.1	36.1	N/A	38.8

De-Rates

All values tabulated above are subject to the following reductions:

- 3% for every 500 meters by which the operating altitude exceeds 1000 meters above mean sea level
- 3% for every 5℃ by which the operational ambient temperature exceeds 40℃
- For any other operating conditions impacting the cooling circuit please refer to applications

Note: Requirement for operating in an ambient exceeding 60℃ and altitude exceeding 4000 meters 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.