

SVI274H | THREE-PHASE SYNCHRONOUS ALTERNATOR

Product Data Sheet

General Data

Ambient Temperature	40°C	Method of Cooling	Air cooling			
Temperature Rise	125°C	Direction of Rotation	Clockwise			
Insulation Class	H	Maximum Over-speed	2250r/min			
Power Factor	0.8	Degree of Protection / Enclosure	IP23			
Excitation	Brushless	Altitude	1000m			
Winding Pitch	2/3	Stator winding	Double Layer Lap			
Pole	4	Number of Terminal	12			
Duty	S1- Continuous	Rotor	With damping cage			
Waveform	TIF<50		THF<2%			
RFI Suppression	BS EN 61000-6-2&BS EN 61000-6-4,VDE 0875G,VDE0874N					
Waveform distortion	Noload<1.5%,Non-distorting balanced linear load<5%					
AVR MODEL	Standard	Selection		PMG		
	SX460	AS440	KRS440	MX341B MX321		
Voltage Regulation - in steady state condition	±1.0	±1.0	±1.0	±0.5 ±0.5		
Short Circuit Current Capacity	Control does not sustain a short circuit current			1000A		

Electrical Characteristic

SVI274H | THREE-PHASE SYNCHRONOUS ALTERNATOR**SUNNOVA®**

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Ratings

Class Temp-Rise		Cont. F - 105/40 °C				Cont. H - 125/40 °C				Standby - 150/40 °C				Standby - 163/27 °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	182	182	182	N/A	200	200	200	N/A	212	212	212	N/A	220	220	220	N/A
	kW	145.6	145.6	145.6	N/A	160	160	160	N/A	169.6	169.6	169.6	N/A	176	176	176	N/A
	Efficiency (%)	93.3	93.5														