



SP4-G320E8

400kVA Prime / 440kVA Standby
Three Phase / 50Hz / 4 pole

World-Class Alternators

Setting new standards in all aspects from design, manufacturing, material selection and production to testing equipment, tooling and quality control.

Tough: Our alternators are trusted as a component in the production of stationary diesel generator sets, mobile power plants and other power generation equipment which is supplied to various commercial, agricultural, refrigeration, residential, government and military services.

Trusted: Our product is highly regarded for its superior quality and performance. The alternators are used as the main power supply for three major satellite launch bases, for a station in Antarctica and for a spacecraft series.

Tested: Our products are thoroughly tested in different environments to ensure unsurpassed quality and reliability. Our stringent tests verify overall performance and align our products with most internationally-recognised standards.

Standards

- StromerPower alternators meet all key international standards and regulations
- The 4-pole alternator complies with the following major domestic and international standards and regulations: GB755, BS5000, IEC60034, VDE0530, CSAC22.2 100 and NEMA MG-1.22
- It is designed, manufactured and marketed in an ISO 9001 quality assurance environment
- Alternator can be integrated in CE-marked generator set

Electrical Characteristics and Performance

- Class H insulation
- 2/3 pitch winding
- **Voltage Range:** 50Hz: 220v - 240v and 380v - 415v (440v)
- High efficiency and motor starting capacity
- Low reactances

Specifications Overview

Three Phase / 50Hz / 400V / PF = 0.8			
Continuous 40°C		Standby 40°C	
kw	kVA	kw	kVA
320	400	352	440

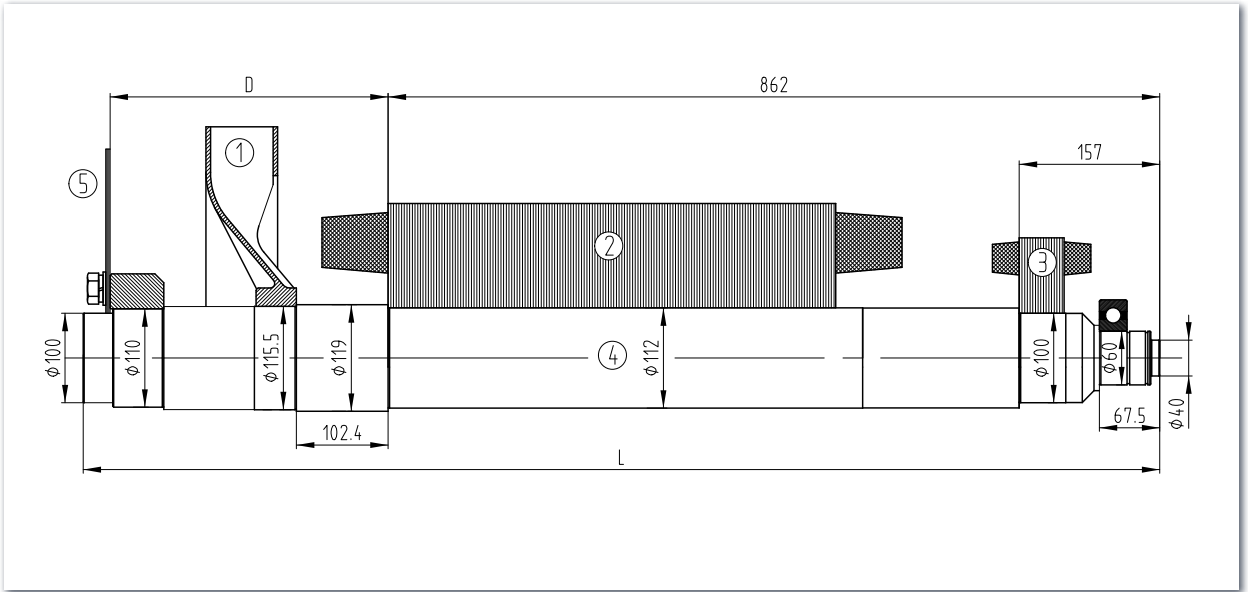
Rated Frequency	Voltage	Voltage Regulation	Voltage Regulation Change	Phase Change Rate	Power Factor
Hz	v	v	% UN	%	
50	400	+/- 1%	< +/- 10	+/- 1	0.8

Insulation Class	Type	Phase and Connection	
H	Brushless	Three Phase	4 Pole

AVR Model	Stator	Rotor
SX440	2/3 Pitch	Single Bearing



Torsional Analysis Data



Fan		Main Rotor		Excitation Rotor		Shaft		Total	
Weight (kg)	J(kgm ²)	Weight (kg)	J(kgm ²)	Weight (kg)	J(kgm ²)	Weight (kg)	J(kgm ²)	Weight (kg)	J(kgm ²)
10.2	0.0619	263.8	5.8527	18.3	0.1516	96.9	0.0647	389.1	6.1308

SAE	5	Shafts Coupling Flex Plate		
	D	L	Weight (kg)	J(kgm ²)
14	310.6	1202.6	5.8	0.0862

Dimensions

Unpacked				Packed			
Length	Width	Height	Net Weight	Length	Width	Height	Gross Weight
mm			kg	mm			kg
1240	632	852	1033	1380	770	1085	1117

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The accuracy cannot be guaranteed as StromerPower have an ongoing process of development and reserve the right to change the specification of their products without notice.

