

STARTING

SERVICE DATA

SS0YU-01

Pre-heating system	Light lighting time Super glow type at 20° C (68° F)	Approx. 1.0 seconds
Glow plug	Resistance	Approx. 0.75 Ω
Starter (2.5 kW type)	Rated voltage and output power	12V 2.5 kW
	No-load characteristics	Current 180 A or less at 11.0 V
		rpm 3,500 rpm or less
	Brush length	STD 20.5 mm (0.807 in.)
		Minimum 11.0 mm (0.433 in.)
	Spring installed load	STD 34.3 – 42.1 N (3.4 – 4.1 kgf, 7.7 – 9.5 lbf)
		Minimum 18.6 N (1.8 kgf, 4.2 lbf)
	Commutator	
	Diameter	STD 36.0 mm (1.417 in.)
		Minimum 35.0 mm (1.378 in.)
	Undercut depth	STD 0.7 mm (0.028 in.)
		Minimum 0.2 mm (0.008 in.)
Starter (3.0 kW type)	Circle runout	Maximum 0.05 mm (0.0020 in.)
	Magnetic switch	
	Contact plate for wear	Maximum 1.6 mm (0.063 in.)
	Rated voltage and output power	12V 3.0 kW
	No-load characteristics	Current 220 A or less at 11.0 V
		rpm 4,200 rpm or less
	Brush length	STD 21.0 mm (0.828 in.)
		Minimum 12.0 mm (0.472 in.)
	Spring installed load	STD 27.5 – 37.3 N (2.8 – 3.8 kgf, 6.1 – 8.3 lbf)
		Minimum 14.7 N (1.5 kgf, 3.3 lbf)
	Commutator	
	Diameter	STD 43.0 mm (1.692 in.)
		Minimum 42.0 mm (1.654 in.)
	Undercut depth	STD 0.7 mm (0.028 in.)
		Minimum 0.2 mm (0.008 in.)
	Circle runout	Maximum 0.05 mm (0.0020 in.)
	Magnetic switch	
	Contact plate for wear	Maximum 1.6 mm (0.063 in.)