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.)
	Circle runout	Maximum	0.05 mm (0.0020 in.)
	Magnetic switch		
	Contact plate for wear	Maximum	1.6 mm (0.063 in.)
Starter (3.0 kW type)	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.)