

STARTING

SERVICE DATA

SS0UY-04

Starter	Rated voltage and output power	STD	12 V 0.8 kW
		Cold area spec.	12 V 1.0 kW
	No-load characteristics (Current)		90 A or less at 11.5 V
	No-load characteristics (rpm)		3,000 rpm or more
	Brush length (STD)		14.0 mm (0.551 in.)
	Brush installed load		9.0 mm (0.354 in.)
	Spring installed load		13.7 – 17.6 N (1.4 – 1.8 kgf, 3.1 – 4.0 lbf)
	Commutator		
	Diameter (STD)		28 mm (1.10 in.)
	Diameter (Minimum)		27 mm (1.06 in.)
	Undercut depth (STD)		0.6 mm (0.024 in.)
	Undercut depth (Minimum)		0.2 mm (0.008 in.)
	Circle runout (Maximum)		0.05 mm (0.0020 in.)
	Planet carrier shaft diameter		14.982 – 15.000 mm (0.5898 – 0.5906 in.)
	Center bearing inside diameter		15.008 – 15.050 mm (0.5909 – 0.5925 in.)
	Center bearing oil clearance (STD)		0.01 – 0.06 mm (0.0004 – 0.0024 in.)
	Center bearing oil clearance (Maximum)		0.2 mm (0.0078 in.)
	Pinion clearance (STD)		0.1 – 5.0 mm (0.004 – 0.20 in.)