

STARTING & CHARGING

SERVICE DATA

0308A-01

Starter assy (1.4kw)		
Circle runout	Maximum	0.05 mm(0.0020 in.)
Diameter	Standard	30 mm (1.18 in.)
	Minimum	29 mm (1.14 in.)
Undercut depth	Standard	0.6 mm (0.024 in.)
	Minimum	0.2 mm (0.008 in.)
Brush length	Standard	15.5 mm (0.61 in.)
	Minimum	8.5 mm (0.3346 in.)
Starter assy (2.2kw)		
Circle runout	Maximum	0.05 mm(0.0020 in.)
Diameter	Standard	35 mm (1.378 in.)
	Minimum	34 mm (1.3386 in.)
Undercut depth	Standard	0.7 mm (0.0276 in.)
	Minimum	3.3 mm (0.1299 in.)
Brush length	Standard	16.5 mm (0.6496 in.)
	Maximum	9.0 mm (0.3543 in.)
Generator assy		
Rotor coil resistance	at 20°C (68°F)	2.1 – 2.5 Ω
Slip ring diameter	Standard	14.2 – 14.4 mm (0.559 – 0.567 in.)
	Minimum	12.8 mm (0.504 in.)
Brush exposed length	Standard	9.5 – 11.5 mm (0.374 – 0.453 in.)
	Minimum	1.5 mm (0.059 in.)
Generator assy		
Rotor coil resistance	at 20°C (68°F)	2.3 – 2.7 Ω
Slip ring diameter	Standard	14.2 – 14.4 mm (0.559 – 0.567 in.)
	Minimum	14 mm (0.551 in.)
Brush exposed length	Standard	10.5 mm (0.4134 in.)
	Minimum	4.5 mm (0.177 in.)