STARTING SYSTEM

Starter	Rated voltage and output power		12 V 1.0 kW		12V1.4kW,12V1.6 kW
	No-load characteristic	Current			←
		rpm			3.500 rpm or more
	Brush length	STD	13.5 mm	0.531 in.	15.5 mm 0.610 in.
		Limit	8.5 mm	0.335 in.	10.0 mm 0.394 in.
	Commutator				
	Outer diameter	STD	30.0 mm	1.181 in.	
		Limit	29.0 mm	1.142 in.	←
	Undercut depth	STD	0.6 mm	0.024 in.	←
		Limit	0.2 mm	0.008 in.	←
	Circle runout	Limit	0.05 mm	0.0020 i n.	←
	Spring installed load		18–24 N		←
			(1.79 – 2.41 kgf,		←
			3.9-5.3 !bf	·)	
				•	

CHARGING SYSTEM

Drive belt tension	on	See page A-2 1.25-1.27		
Battery specific	gravity when fully charged at 20			
Alternator	Rated output Rotor coil resistance Slip ring diameter Brush exposed length	STD Limit STD Limit	12 V-70 A, 12V-80 2.8-3.092 14.2 - 14.4 mm 12.8 m m 10.5 mm 1.5 mm	A 0.559 – 0.567 in. 0.504 in. 0.413 in. 0.059 in.
Alternator regulator	Regulating voltage	at 25°C (77°F) at 115°C (239°F)	13.9 – 15.1 V 13.5 – 14.3 V	