

**[Type A]**

Voltage		12 volts	
Output		1.2 kW	1.4 kW
Rating		30 seconds	
Direction of rotation		Clockwise as viewed from pinion side	
Brush length		17.5 mm (0.69 in.)	16.5 mm (0.65 in.)
Number of pinion teeth		8	
Performance		Condition	Guarantee
Around at 20°C (68°F)	No load characteristic	11.0 V	90 A maximum 3,000 rpm minimum
	Load characteristic	7.7 V 300 A	9.1 N·m (0.91 kg·m, 6.5 lb-ft) minimum 850 rpm minimum 9.8 N·m (0.98 kg·m, 7.0 lb-ft) minimum 1,000 rpm minimum
	Locked rotor current	4.0 V	780 A maximum 18 N·m (1.8 kg·m, 13.0 lb-ft) minimum 980 A maximum 23 N·m (2.3 kg·m, 16.5 lb-ft) minimum
	Magnetic switch operating voltage		8 volts maximum

**[Type B]**

Voltage		12 volts	
Output		1.2 kW	
Rating		30 seconds	
Direction of rotation		Clockwise as viewed from pinion side	
Brush length		12.3 mm (0.44 in.)	
Number of pinion teeth		8	
Performance		Condition	Guarantee
Around at 20°C (68°F)	No load characteristic	11.0 V	90 A maximum 2,500 rpm minimum
	Load characteristic	7.5 V 300 A	10.5 N·m (1.05 kg·m, 7.59 lb-ft) minimum 880 rpm minimum
	Locked characteristic	4.0 V	760 A maximum 19.5 N·m (1.95 kg·m, 14.1 lb-ft) minimum
	Magnetic switch operating voltage		8 volts maximum

Type A / B