

100W Generator



NO	Parameter	Symbol	Units	Data
1	Rectified DC Voltage	E	V	14V/28v
2	Gen. Output Voltage			AC (3 Pole)
3	Rotor			Permanent magnet type (outer rotor)
4	Stator			Coreless type
5	Output Power	Po	W	100
6	Rated speed	ω	rpm	180
7	Speed Constant	KE	V/Krpm	
8	Resistance (Line-Line)	RT	Ω	-
9	Maximum Winding Temperature	CMax	$^{\circ}\text{C}$	140
10	efficiency	η		>80%
11	Winding type			Y
12	Insulation Resistance			100Mohm Min(500V DC)
13	Dielectric Strength			1500V AC 1minute
14	Rate Current	IR	A	5.2/2.6
15	Start torque	M	Nm	<0.1
16	Gen. weight	WM	Kg	8.5
17	Gen. Diameter	MD	mm	220
18	Gen. length	ML	mm	212
19	Shaft. Diameter	MD	mm	30
20	Housing Material			Aluminum (Alloy)
21	Shaft Material			Carbon steel
22	Shaft Bearing			Ball