

## Product specification

### Generator-RPM150

Product specification of disk air-core permanent magnet generator.

1. Model SHF320-0.5KW Appearance is subject to change without prior notice.



#### 2. Characteristics

The disk air core permanent magnet generator has many characteristics of low speed rating, low wind speed start, small volume, small energy consumption, light weight, compact structure and high efficiency.

- No core, no hysteresis and groove effect, low starting torque
- No iron loss, high efficiency
- Unique core-free precision winding technology for high precision coil design



## 5. Performance parameters

NO.	PARAMETER	UNITS	DATA
1	Rated power	KW	0.5
2	Rated speed	RPM	150R
3	Rated voltage	V	48VAC
4	Rated Line Current		6.01A
5	Efficiency		>85%
6	Resistance (Line-Line)		-
7	Winding type		Y
8	Insulation Resistance		100Mohm Min(500V DC)
9	Leakage level		<5 ma
10	Start torque	N/M	<0.3
11	Phase		Three phase
12	Structure		outer rotor
13	Stator		coreless
14	Rotor		Permanent magnet type (outer rotor)
15	Housing Material		Aluminum ( Alloy )
16	Shaft Material		40Cr
17	Gen. Diameter	mm	325
18	Gen. Length	mm	94
19	Shaft. Diameter	mm	45
20	Gen. Weight	kg	20
21	Gross Weight	KG	27

6. Curve



**ON-LOAD Power Curve**

## Generator-RPM200

NO.	PARAMETER	UNITS	DATA
1	power rating	KW	0.5
2	rated speed	RPM	200
3	rated voltage	Vac	48
4	rated current		6.0
6	Maximal efficiency		>85%
7	Resistance (line -line)		one
8	Wire form		Y
9	insulation resistance		100Mohm Min(1000V)
10	Leakage level		<20 ma
11	Start torque	N/M	<0.1
12	number of phases		three-phase
13	structure		trochanter externa
14	determinant		Empty core coil
15	rotor		Rare earth permanent magnet
16	number of poles	the utmost point	20
17	Generator outer diameter	mm	325
18	Generator length	mm	232
19	Generator weight	kg	20
20	Axis diameter	mm	45
21	sheathing material		alufer
22	shaft material		carbon steel
23	bearing		NSK&TNT 6209zz*2

