

AFPMG700-5.0KW/100RPM 220Vac

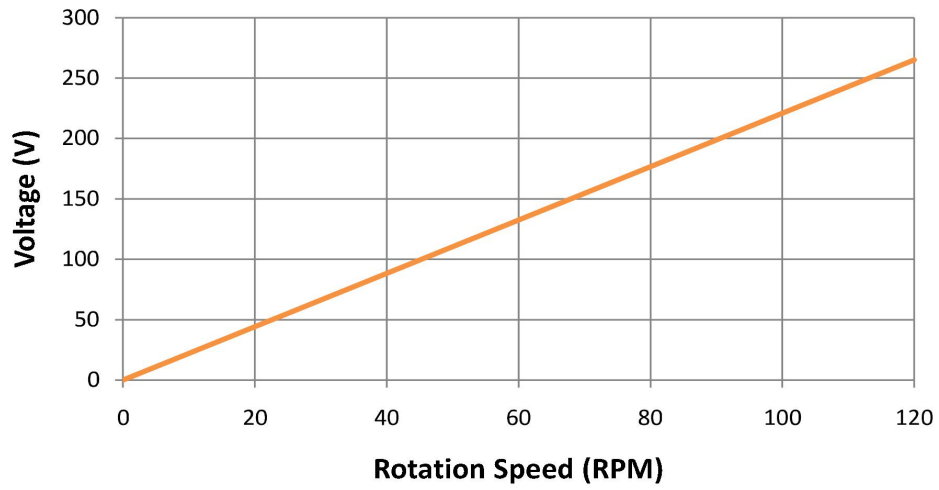
Technical Parameters

No.	Parameter	Units	Data
1	Rated output power	KW	5.0
2	Rated speed	RPM	100
3	Rated output voltage	VAC	220
4	Rated current	A	13.1
5	Phase-phase resistance	Ω	20°C 1.25
6	Output wire square section	mm ²	4.0
7	Efficiency at rated speed		>85%
8	Winding type		Y
9	Insulation resistance		100Mohm Min(1760VAC)
10	Voltage withstand	ma	<20 ma
11	Insulation		H class
12	Start torque	Nm	<1.0
13	Temperature rise	°C	<80
14	Max. working temperature	°C	<120
15	Generator diameter	mm	700
16	Shaft diameter	mm	90
17	Housing material		Aluminum Alloy
18	Shaft material		Steel
19	Bearing		NSK
20	Weight	Kg	150
21	Design lifetime	Year	>20

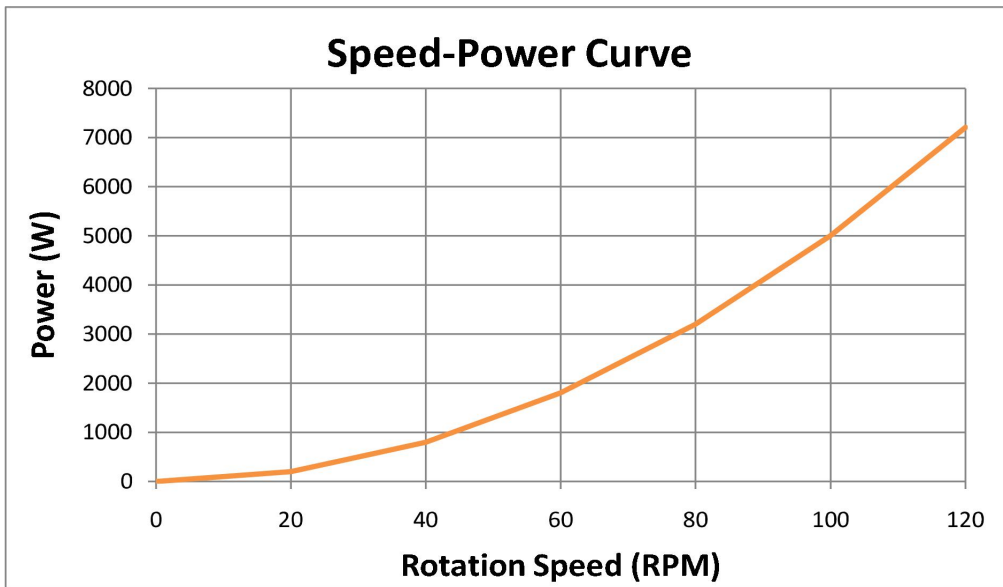
Testing Data

Speed (RPM)	Load voltage (VAC)	Load current (A)	Load power (W)	Torque (N.m)	Efficiency (%)
120	265	15.7	7206.0	667.7	85.9
100	221	13.1	5004.2	558.6	85.5
80	177	10.5	3202.7	450.1	84.9
60	133	7.9	1801.5	342.8	83.6
40	88	5.2	800.7	238.5	80.2
20	44	2.6	200.2	131.8	72.5

Speed-Load Voltage Curve



Speed-Power Curve



Speed-Torque Curve

