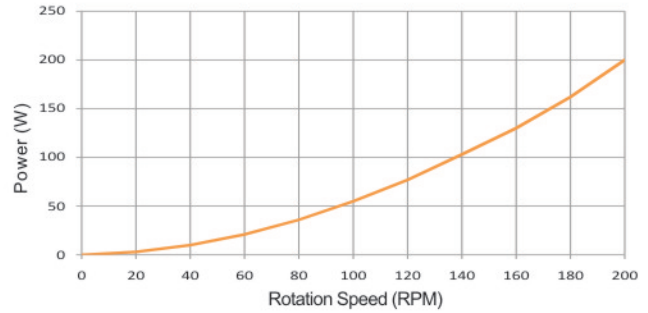


# AFPMG260-0.2KW/200RPM

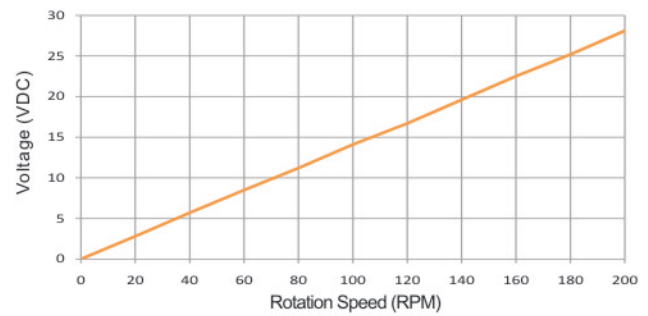
## Technical Parameters

No.	Parameter	Units	Data
1	Rated output power	KW	0.2
2	Rated speed	RPM	200
3	Rated output voltage	VDC	28
4	Rated current	A	7.1
5	Phase resistance	$\Omega$	2.69
6	Output wire square section	mm <sup>2</sup>	2
7	Efficiency		>85%
8	Winding type		Y
9	Insulation resistance		100Mohm Min(500V DC)
10	Voltage withstand	ma	<5 ma
11	Insulation		H class
12	Start torque	Nm	<0.1
13	Temperature rise	$^{\circ}\text{C}$	<80
14	Max. working temperature	$^{\circ}\text{C}$	<120
15	Generator diameter	mm	260
16	Shaft diameter	mm	30
17	Housing material		Aluminum Alloy
18	Shaft material		Steel or stainless steel
19	Bearing		NSK or SKF
20	Weight	Kg	11
21	Design lifetime	Year	>20

## Speed-Power Curve



## Speed-Voltage Curve



## Testing Data

Speed (RPM)	Load voltage (VDC)	Load current (A)	Load power (W)	Torque (N.m)	Efficiency (%)
200	28.1	7.1	200	10.6	90.1
180	25.2	6.4	162	9.6	89.5
160	22.5	5.8	130	8.7	89.2
140	19.6	5.3	103	7.9	88.8
120	16.7	4.6	77	7.0	87.9
100	14.1	3.9	55	6.1	86.1
80	11.2	3.2	36	5.0	85.8
60	8.5	2.4	21	3.9	85.1
40	5.7	1.7	10	2.8	84.3
20	2.8	0.9	3	1.5	82.3

## Speed-Torque Curve

