

Hiest-AFPMG Inner Rotor

Model	Rated output power (KW)	Rated speed (RPM)	Rated output voltage	Weight (Kg)
AFPMG710	10	250	380VAC	145
	7.5	200	380VAC	
	5	150	220VAC/380VAC	
	4	100	96VAC/240VAC	
	3	100	220VAC/380VAC	
AFPMG560	15	400	300VAC	135
	10	250	380VAC	
	7.5	200	220VAC/380VAC	
	5	180	220VAC/380VAC	
	4	200	220VAC/380VAC	
	3	180	220VAC/380VAC	
	2	130	112VDC/220VAC/380VAC	
1.5	100	112VDC/220VAC/380VAC		
1	100	56VDC/112VDC/220VAC/380VAC		
AFPMG520	3	200	112VDC/220VAC/380VAC	65
	2	150	112VDC/220VAC/380VAC	
	1	90	56VDC/112VDC/220VAC	
AFPMG460	2	180	112VDC/220VAC/380VAC	52
	1.5	150	220VAC/380VAC	
	1	130	56VDC/112VDC/220VAC	
AFPMG380	2	350	112VDC/220VAC/380VAC	34
	1	180	56VDC/112VDC/220VAC	
	0.5	130	56VDC/112VDC	
AFPMG330	1	350	56VDC/112VDC/220VAC	22
	0.5	200	56VDC/112VDC	
	0.3	150	28VDC/56VDC	
	0.2	100	28VDC/56VDC	
AFPMG270	0.5	350	28VDC/56VDC	11
	0.3	300	28VDC	
	0.2	200	28VDC/56VDC	
	0.1	130	14VDC/28VDC	
AFPMG230	0.2	350	14VDC/28VDC	8.5
	0.1	200	14VDC/28VDC	
AFPMG210	0.1	350	14VDC/28VDC	6
	0.05	200	14VDC	
AFPMG165	0.3	850	14VDC/28VDC	4
	0.15	500	14VDC/28VDC	
	0.05	250	14VDC	

Hiest-AFPMG Outer Rotor

Model	Rated output power (KW)	Rated speed (RPM)	Rated output voltage	Weight (Kg)
AFPMG770	15	260	380VAC	165
	10	180	220VAC/380VAC	
	7.5	150	220VAC/380VAC	
	5	100	220VAC/380VAC	
AFPMG700	10	250	380VAC	135
	7.5	200	380VAC	
	5	150	220VAC/380VAC	
	4	100	96VAC/240VAC	
	3	100	220VAC/380VAC	
AFPMG550	4	200	220VAC/380VAC	80
	3	180	220VAC/380VAC	
	2	130	112VDC/220VAC/380VAC	
	1.5	100	112VDC/220VAC/380VAC	
	1	100	56VDC/112VDC/220VAC/380VAC	
AFPMG510	3	200	112VDC/220VAC/380VAC	57
	2	150	112VDC/220VAC/380VAC	
	1	90	56VDC/112VDC/220VAC	
AFPMG450	2	180	112VDC/220VAC/380VAC	48
	1.5	150	220VAC/380VAC	
	1	130	56VDC/112VDC/220VAC	
AFPMG380	2	350	112VDC/220VAC/380VAC	32
	1	180	56VDC/112VDC/220VAC	
	0.5	130	56VDC/112VDC	
AFPMG320	1	350	56VDC/112VDC/220VAC	20
	0.5	200	56VDC/112VDC	
	0.3	150	28VDC/56VDC	
	0.2	100	28VDC/56VDC	
AFPMG260	0.5	350	28VDC/56VDC	11
	0.3	300	28VDC	
	0.2	200	28VDC/56VDC	
	0.1	130	14VDC/28VDC	
AFPMG220	0.2	350	14VDC/28VDC	8.5
	0.1	200	14VDC/28VDC	
AFPMG200	0.1	350	14VDC/28VDC	6
	0.05	200	14VDC	
AFPMG150	0.3	850	14VDC/28VDC	4
	0.15	500	14VDC/28VDC	
	0.05	250	14VDC	

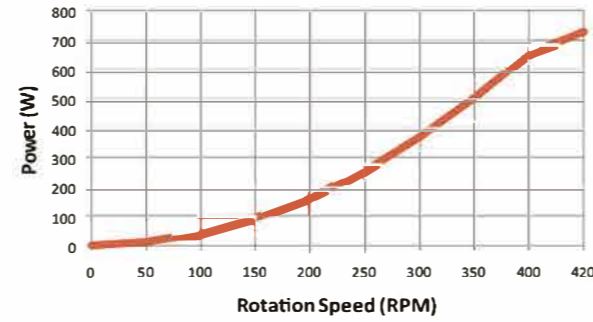


AFPMG260-0.5KW/350RPM

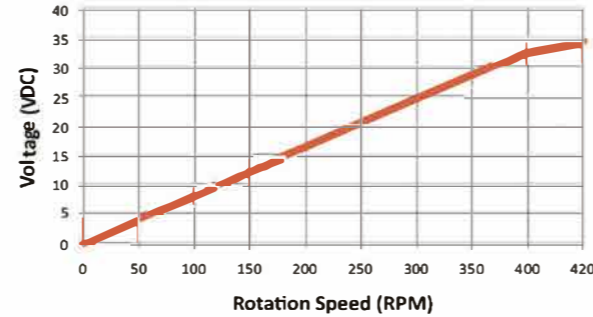
Technical Parameters

No.	parameter	Units	Data
1	Rated output power	KW	0.5
2	Rated speed	RPM	350
3	Rated output voltage	VDC	28
4	Rated current	A	17.9
5	Phase Resistance	Ω	0.13
6	Output wire square section	mm ²	2-4mm ²
7	Efficiency		>82%
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	$^{\circ}$ C	<80
14	Max. working temperature	$^{\circ}$ C	<120
15	Generator diameter	mm	260
16	Shaft diameter	mm	30
17	Housing material		Aluminium 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



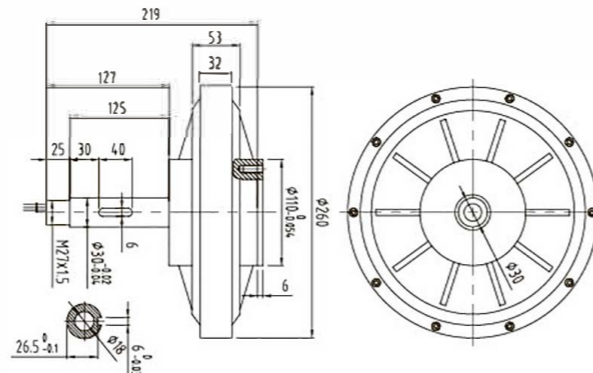
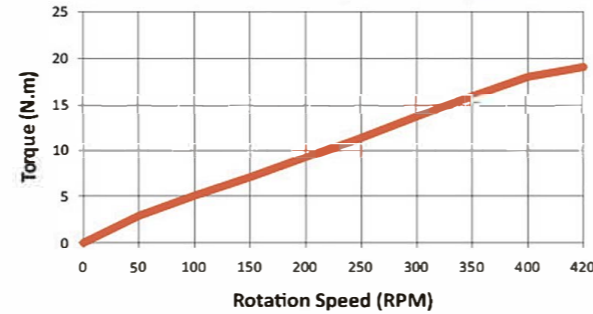
Speed-Voltage Curve



Testing Data

Speed (RPM)	Load voltage (VDC)	Load current (A)	Load power (W)	Torque (N.m)	Efficiency (%)
420	34.3	21.2	727.2	19.0	86.8
400	32.7	20	654.0	18.0	86.7
350	28.6	17.6	503.4	15.9	86.5
300	24.5	15.1	370.0	13.7	86.2
250	20.4	12.5	255.0	11.4	85.7
200	16.3	10.1	164.6	9.2	85.4
150	12.3	7.6	93.5	7.0	84.6
100	8.2	5.3	43.5	5.0	82.5
50	4.1	2.9	11.9	2.9	78.5

Speed-Torque Curve

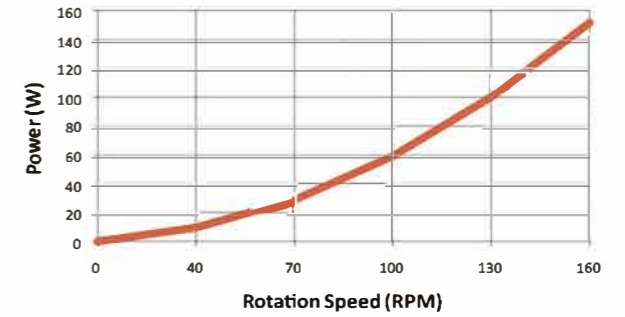


AFPMG270-0.1KW/130RPM

Technical Parameters

No.	parameter	Units	Data
1	Rated output power	KW	0.1
2	Rated speed	RPM	130
3	Rated output voltage	VDC	28
4	Rated current	A	3.6
5	Phase Resistance	Ω	1.2
6	Output wire square section	mm ²	2
7	Efficiency		>76%
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	$^{\circ}$ C	<80
14	Max. working temperature	$^{\circ}$ C	<120
15	Generator diameter	mm	270
16	Shaft diameter	mm	30
17	Housing material		Aluminium 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



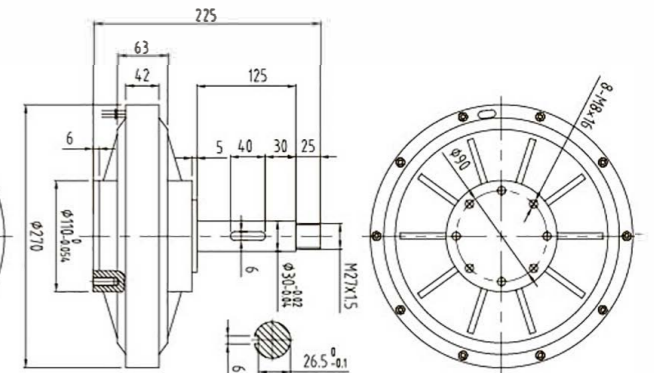
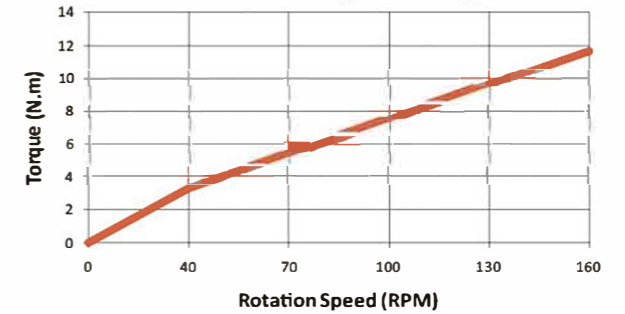
Speed-Voltage Curve



Testing Data

Speed (RPM)	Load voltage (VDC)	Load current (A)	Load power (W)	Torque (N.m)	Efficiency (%)
160	34.7	4.37	151.6	11.7	77.5
130	28.2	3.55	100.1	9.6	76.5
100	21.7	2.73	59.2	7.5	75.6
70	15.2	1.91	29.0	5.3	74.2
40	8.7	1.1	9.5	3.3	70.1

Speed-Torque Curve



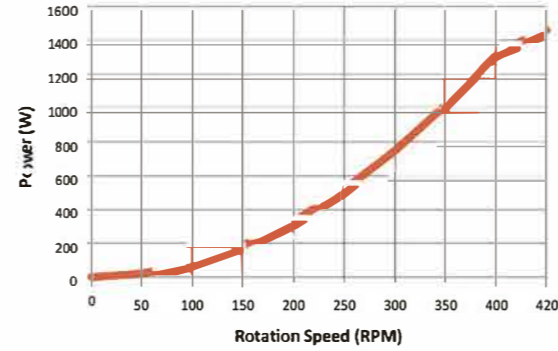


AFPMG320-1.0KW/350RPM

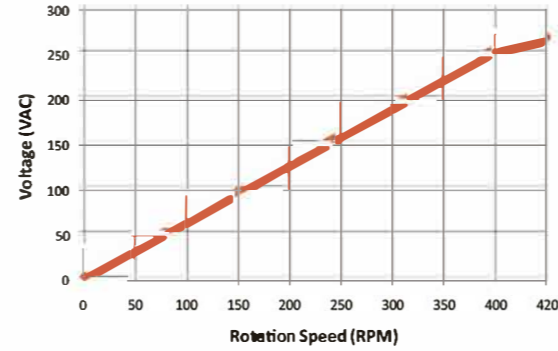
Technical Parameters

No.	parameter	Units	Data
1	Rated output power	KW	1.0
2	Rated speed	RPM	350
3	Rated output voltage	VAC	220
4	Rated current	A	2.62
5	Phase Resistance	Ω	4.4
6	Output wire square section	mm ²	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	<0.3
13	Temperature rise	$^{\circ}$ C	<80
14	Max. working temperature	$^{\circ}$ C	<120
15	Generator diameter	mm	320
16	Shaft diameter	mm	45
17	Housing material		Aluminium Alloy
18	Shaft material		Steel or stainless steel
19	Bearing		NSK or SKF
20	Weight	Kg	20
21	Design lifetime	Year	>20

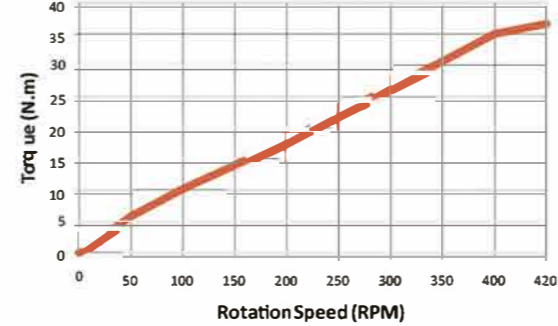
Speed-Power Curve



Speed-Voltage Curve



Speed-Torque Curve



Testing Data

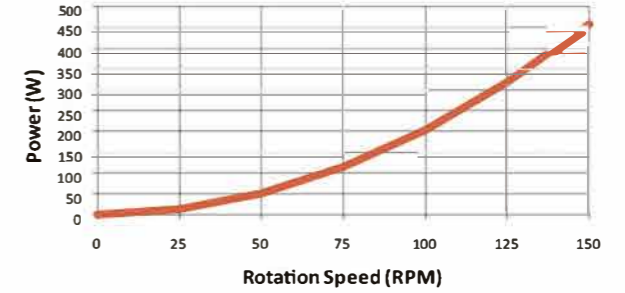
Speed (RPM)	Load voltage (VAC)	Load current (A)	Load power (W)	Torque (N.m)	Efficiency (%)
420	265.2	3.18	1460.7	36.6	90.8
400	252.6	3.04	1329.9	35.0	90.7
350	221.0	2.65	1014.3	30.6	90.4
300	189.4	2.28	748.0	26.5	89.9
250	157.9	1.9	519.5	22.2	89.2
200	126.3	1.51	330.3	17.9	88.0
150	94.7	1.14	187.0	14.0	85.3
100	63.1	0.77	84.2	10.2	78.7
50	31.6	0.38	20.8	5.9	67.7

AFPMG330-0.2KW/100RPM

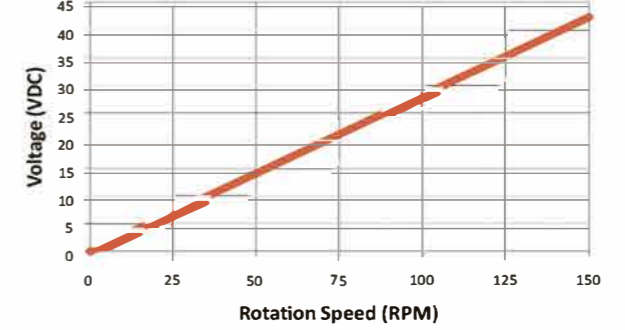
Technical Parameters

No.	parameter	Units	Data
1	Rated output power	KW	0.2
2	Rated speed	RPM	100
3	Rated output voltage	VDC	28
4	Rated current	A	7.2
5	Phase Resistance	Ω	0.53
6	Output wire square section	mm ²	2
7	Efficiency		>74%
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	<0.3
13	Temperature rise	$^{\circ}$ C	<80
14	Max. working temperature	$^{\circ}$ C	<120
15	Generator diameter	mm	330
16	Shaft diameter	mm	45
17	Housing material		Aluminium Alloy
18	Shaft material		Steel or stainless steel
19	Bearing		NSK or SKF
20	Weight	Kg	22
21	Design lifetime	Year	>20

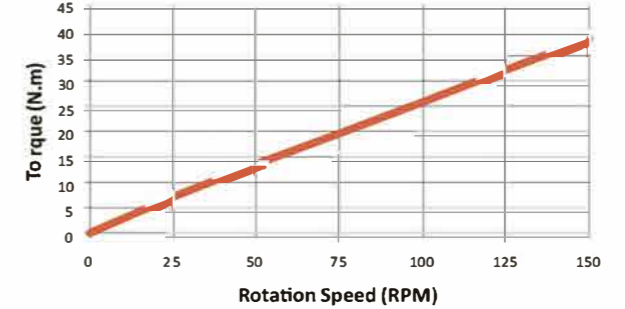
Speed-Power Curve



Speed-Voltage Curve

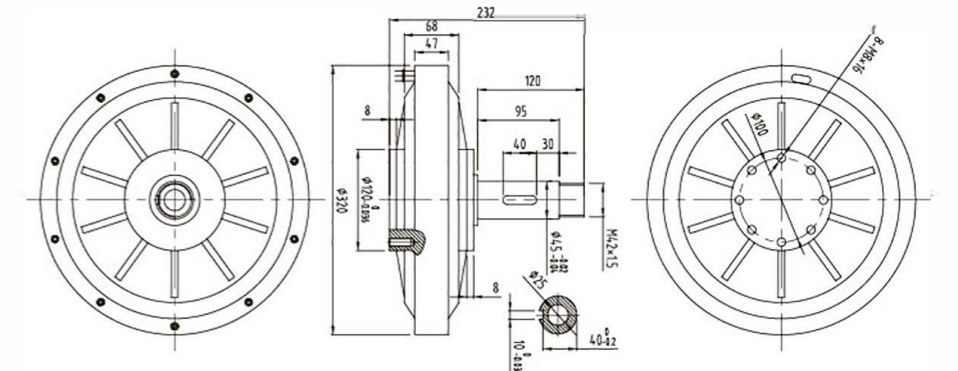
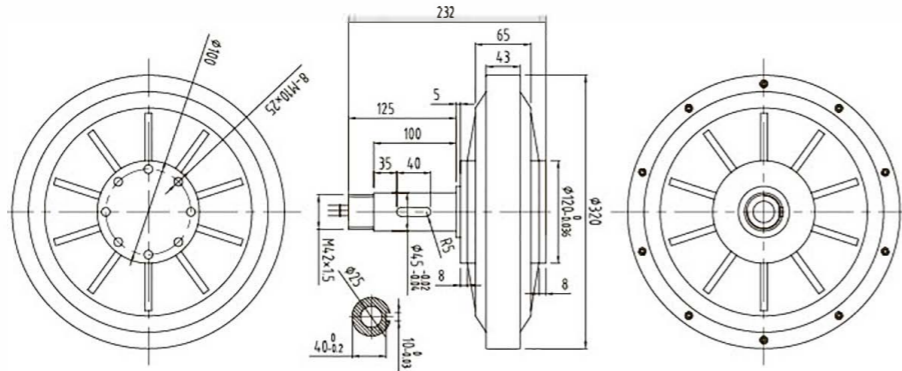


Speed-Torque Curve



Testing Data

Speed (RPM)	Load voltage (VDC)	Load current (A)	Load power (W)	Torque (N.m)	Efficiency (%)
125	35.3	9	318.0	32.1	75.6
100	28.3	7.2	203.5	25.8	75.2
75	21.2	5.4	114.5	19.7	74.1
50	14.1	3.6	50.9	13.5	71.8
25	7.1	1.8	12.7	7.1	68.2



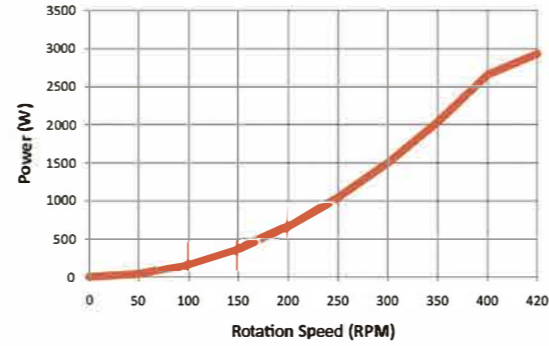


AFPMG380-2.0KW/350RPM

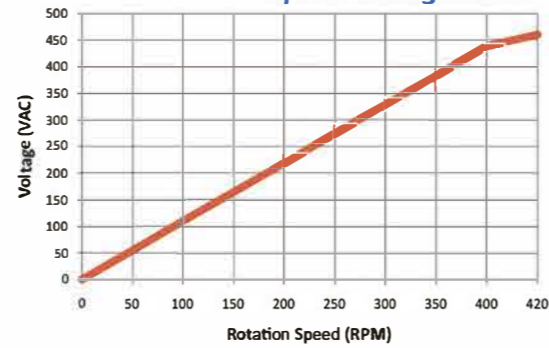
Technical Parameters

No.	parameter	Units	Data
1	Rated output power	KW	2.0
2	Rated speed	RPM	350
3	Rated output voltage	VAC	380
4	Rated current	A	3.0
5	Phase Resistance	Ω	6.3
6	Output wire square section	mm ²	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	<0.5
13	Temperature rise	$^{\circ}$ C	<80
14	Max. working temperature	$^{\circ}$ C	<120
15	Generator diameter	mm	380
16	Shaft diameter	mm	50
17	Housing material		Aluminium Alloy
18	Shaft material		Steel or stainless steel
19	Bearing		NSK or SKF
20	Weight	Kg	32
21	Design lifetime	Year	>20

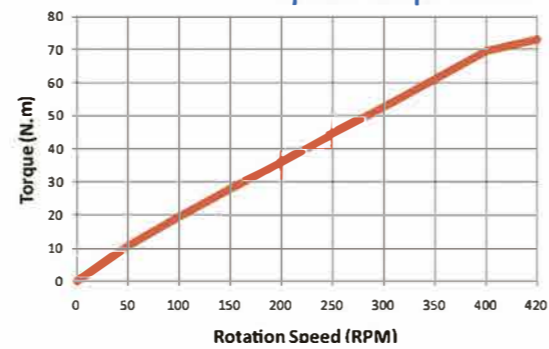
Speed-Power Curve



Speed-Voltage Curve

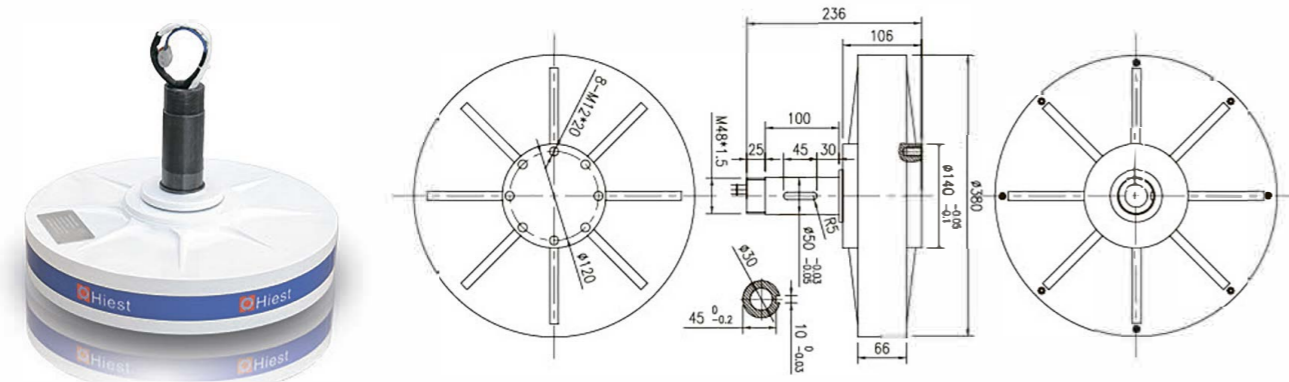


Speed-Torque Curve



Testing Data

Speed (RPM)	Load voltage (VAC)	Load current (A)	Load power (W)	Torque (N.m)	Efficiency (%)
420	459.5	3.68	2928.7	73.1	91.1
400	437.6	3.5	2652.8	69.6	91.0
350	382.9	3.06	2029.4	61.0	90.7
300	328.2	2.63	1495.1	52.7	90.3
250	273.5	2.2	1042.2	44.5	89.6
200	218.8	1.75	663.2	35.9	88.3
150	164.1	1.32	375.2	27.9	85.6
100	109.4	0.87	164.9	19.5	80.7
50	54.7	0.44	41.7	10.6	75.3

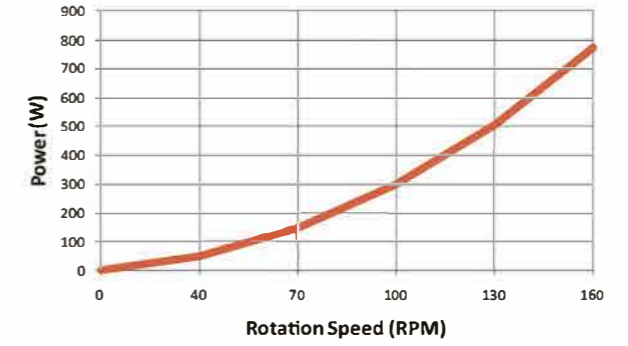


AFPMG380-0.5KW/130RPM

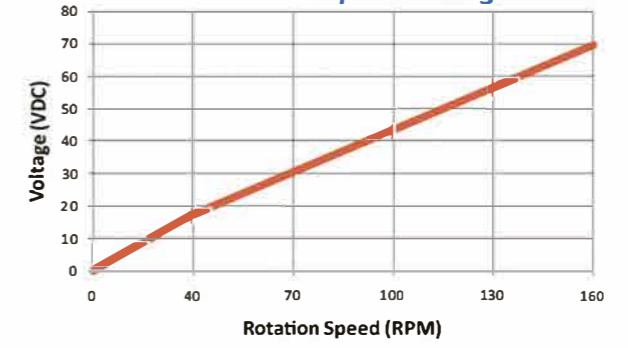
Technical Parameters

No.	parameter	Units	Data
1	Rated output power	KW	0.5
2	Rated speed	RPM	130
3	Rated output voltage	VDC	56
4	Rated current	A	8.9
5	Phase Resistance	Ω	0.7
6	Output wire square section	mm ²	4
7	Efficiency		>81%
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	<0.3
13	Temperature rise	$^{\circ}$ C	<80
14	Max. working temperature	$^{\circ}$ C	<120
15	Generator diameter	mm	380
16	Shaft diameter	mm	50
17	Housing material		Aluminium Alloy
18	Shaft material		Steel or stainless steel
19	Bearing		NSK or SKF
20	Weight	Kg	34
21	Design lifetime	Year	>20

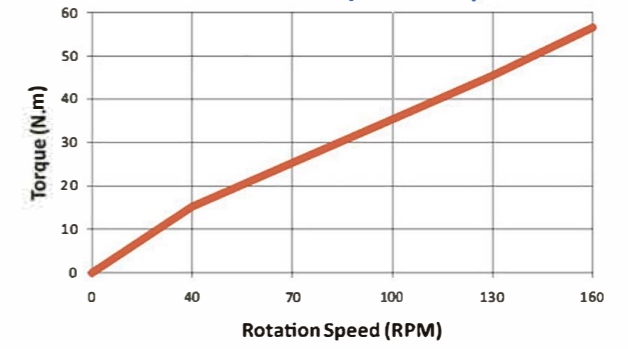
Speed-Power Curve



Speed-Voltage Curve

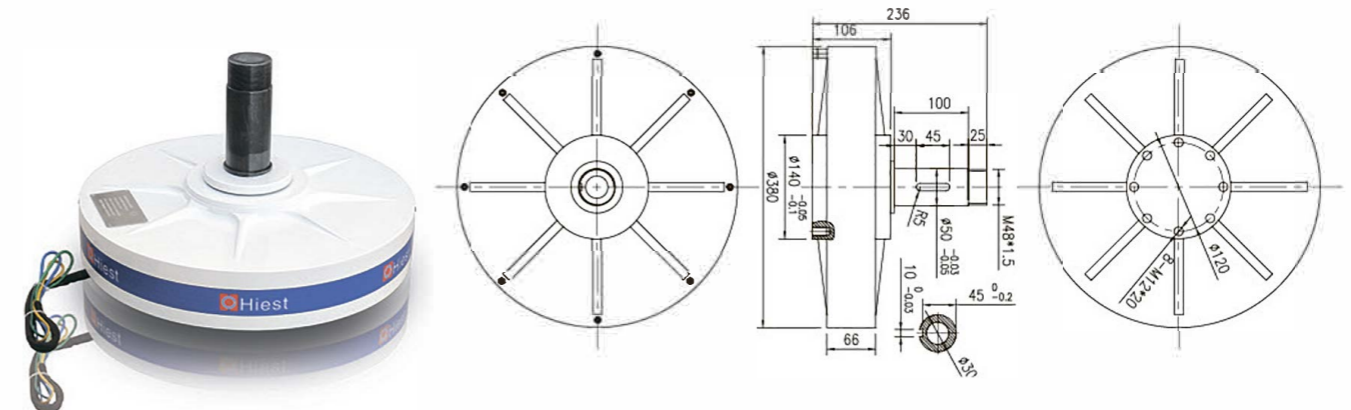


Speed-Torque Curve



Testing Data

Speed (RPM)	Load voltage (VDC)	Load current (A)	Load power (W)	Torque (N.m)	Efficiency (%)
160	69.5	11.10	771.5	56.5	81.5
130	56.5	8.91	502.6	45.5	81.2
100	43.4	6.87	298.4	35.4	80.6
70	30.4	4.81	146.0	25.3	78.7
40	17.4	2.75	47.8	15.2	75.1



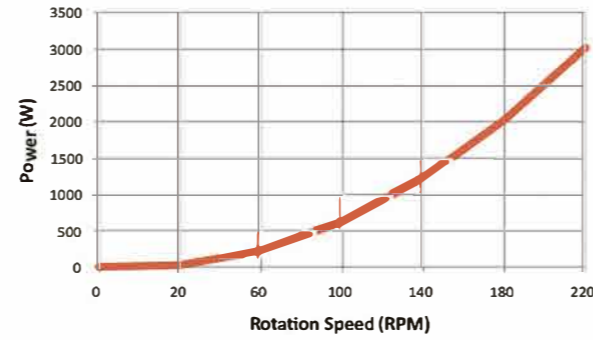


AFPMG450-2.0KW/180RPM

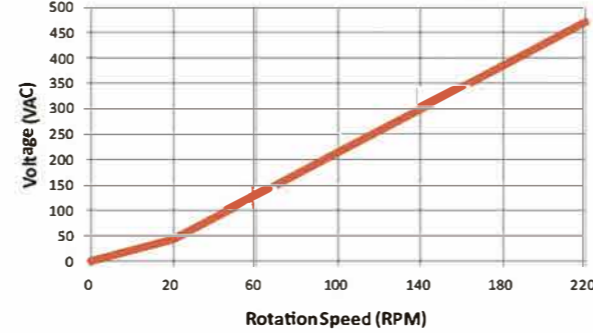
Technical Parameters

No.	parameter	Units	Data
1	Rated output power	KW	2
2	Rated speed	RPM	180
3	Rated output voltage	VAC	380
4	Rated current	A	3.0
5	Phase Resistance	Ω	9.8
6	Output wire square section	mm ²	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	<0.5
13	Temperature rise	°C	<80
14	Max. working temperature	°C	<120
15	Generator diameter	mm	450
16	Shaft diameter	mm	59
17	Housing material		Aluminium Alloy
18	Shaft material		Steel or stainless steel
19	Bearing		NSK or SKF
20	Weight	Kg	48
21	Design lifetime	Year	>20

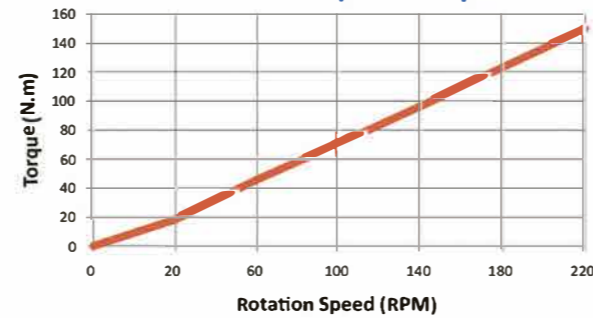
Speed-Power Curve



Speed-Voltage Curve

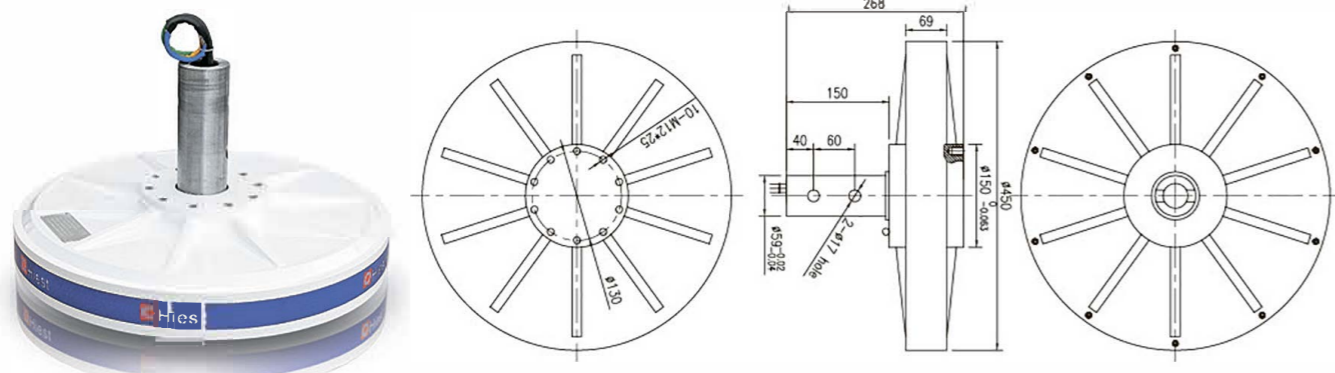


Speed-Torque Curve



Testing Data

Speed (RPM)	Load voltage (VAC)	Load current (A)	Load power (W)	Torque (N.m)	Efficiency (%)
220	470.0	3.7	3011.9	149.5	87.4
180	384.5	3.04	2024.7	123.4	87.0
140	299.1	2.36	1222.5	96.6	86.3
100	213.6	1.69	625.3	70.6	84.6
60	128.2	1.02	226.5	45.7	78.9
20	42.7	0.34	25.2	18.4	65.3

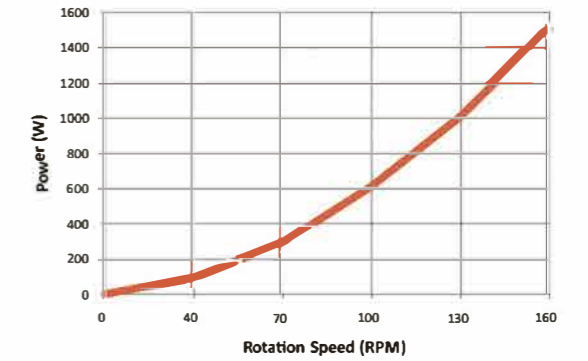


AFPMG460-1.0KW/130RPM

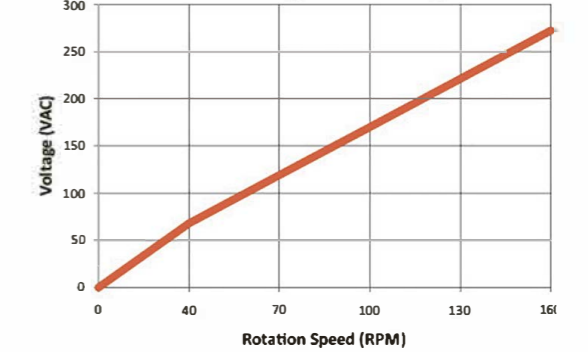
Technical Parameters

No.	parameter	Units	Data
1	Rated output power	KW	1.0
2	Rated speed	RPM	130
3	Rated output voltage	VAC	220
4	Rated current	A	2.6
5	Phase Resistance	Ω	5.4
6	Output wire square section	mm ²	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	<0.5
13	Temperature rise	°C	<80
14	Max. working temperature	°C	<120
15	Generator diameter	mm	460
16	Shaft diameter	mm	45
17	Housing material		Aluminium Alloy
18	Shaft material		Steel or stainless steel
19	Bearing		NSK or SKF
20	Weight	Kg	52
21	Design lifetime	Year	>20

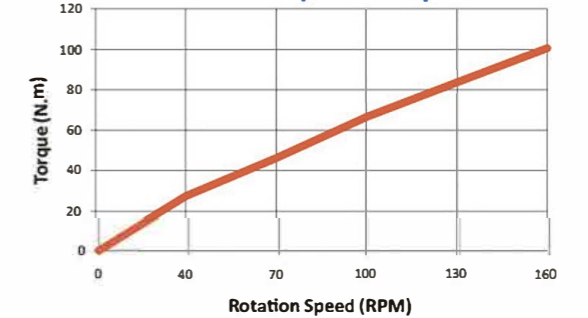
Speed-Power Curve



Speed-Voltage Curve

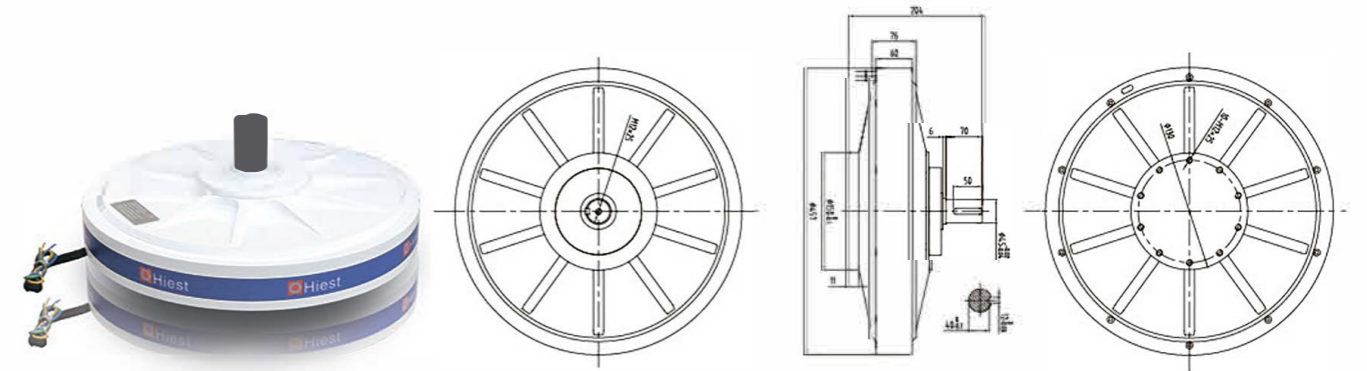


Speed-Torque Curve



Testing Data

Speed (RPM)	Load voltage (VAC)	Load current (A)	Load power (W)	Torque (N.m)	Efficiency (%)
160	272.0	3.19	1502.8	100.4	89.3
130	221.0	2.64	1010.5	83.6	88.8
100	170.0	2.08	612.4	66.6	87.8
70	119.0	1.41	290.6	46.1	86.0
40	68.0	0.8	94.2	27.4	82.2



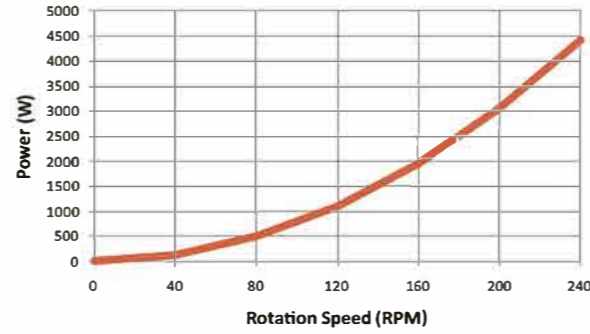


AFPMG510-3.0KW/200RPM

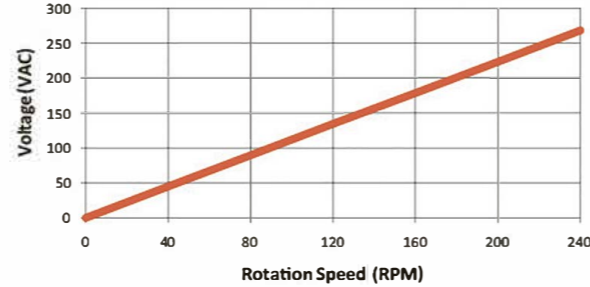
Technical Parameters

No.	parameter	Units	Data
1	Rated output power	KW	3
2	Rated speed	RPM	200
3	Rated output voltage	VAC	220
4	Rated current	A	7.9
5	Phase Resistance	Ω	1.36
6	Output wire square section	mm ²	2mm 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	<0.5
13	Temperature rise	$^{\circ}$ C	<80
14	Max. working temperature	$^{\circ}$ C	<120
15	Generator diameter	mm	510
16	Shaft diameter	mm	50
17	Housing material		Aluminium Alloy
18	Shaft material		Stainless steel
19	Bearing		NSK or SKF
20	Weight	Kg	57
21	Design lifetime	Year	>20

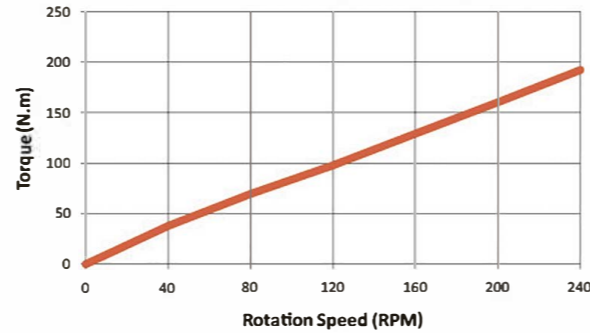
Speed-Power Curve



Speed-Voltage Curve

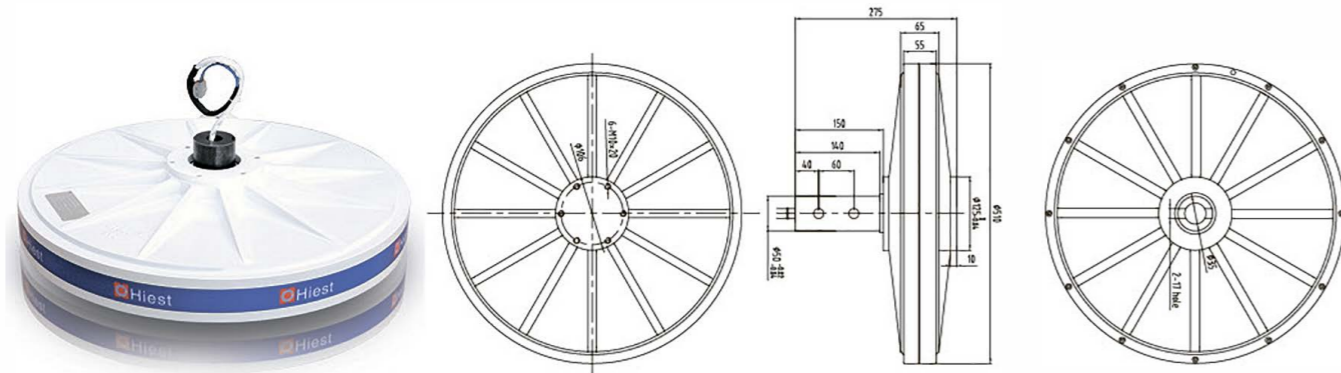


Speed-Torque Curve



Testing Data

Speed (RPM)	Load voltage (VAC)	Load current (A)	Load power (W)	Torque (N.m)	Efficiency (%)
240	268.0	9.5	4409.7	191.9	91.4
200	223.3	7.9	3055.8	160.2	91.1
160	178.7	6.3	1949.5	128.7	90.4
120	134.0	4.7	1090.8	97.6	89.0
80	89.3	3.2	495.1	69.5	85.1
40	44.7	1.6	123.8	38.0	77.7

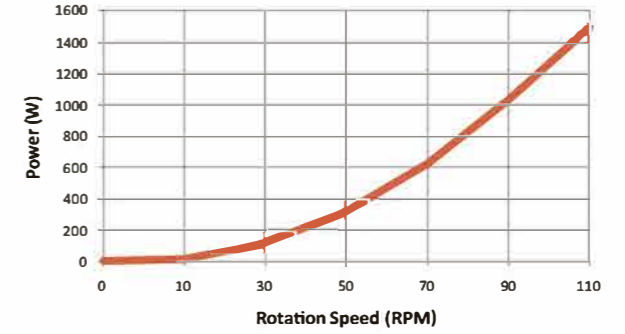


AFPMG520-1.0KW/90RPM

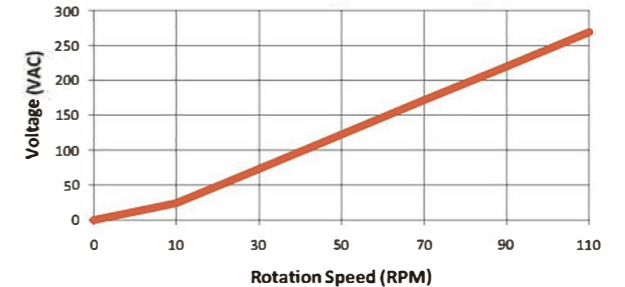
Technical Parameters

No.	parameter	Units	Data
1	Rated output power	KW	1
2	Rated speed	RPM	90
3	Rated output voltage	VAC	220
4	Rated current	A	2.62
5	Phase Resistance	Ω	9.5
6	Output wire square section	mm ²	2mm ²
7	Efficiency		>81%
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	<0.5
13	Temperature rise	$^{\circ}$ C	<80
14	Max. working temperature	$^{\circ}$ C	<120
15	Generator diameter	mm	520
16	Shaft diameter	mm	45
17	Housing material		Aluminium Alloy
18	Shaft material		Stainless steel
19	Bearing		NSK or SKF
20	Weight	Kg	65
21	Design lifetime	Year	>20

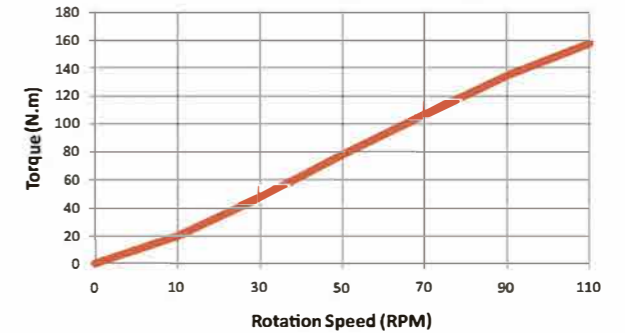
Speed-Power Curve



Speed-Voltage Curve

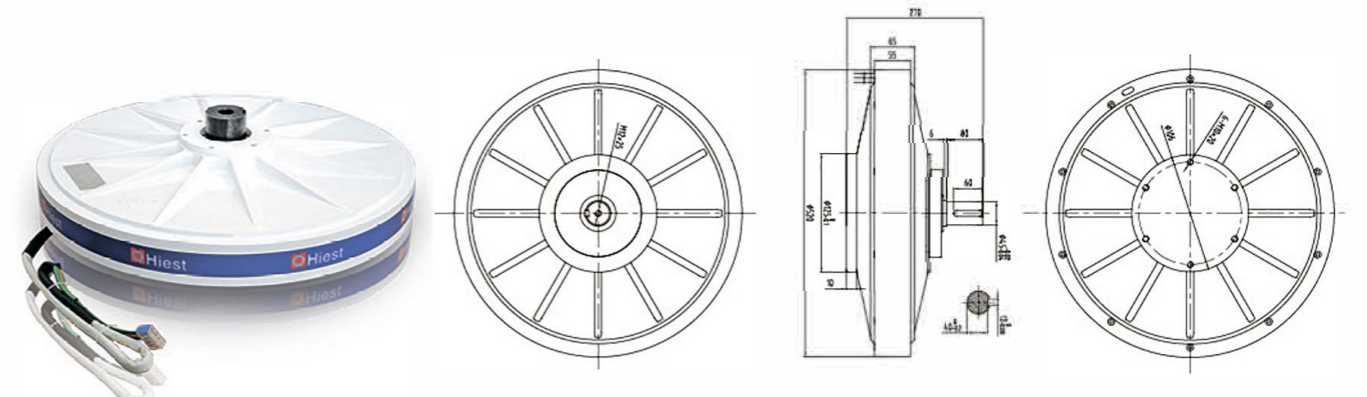


Speed-Torque Curve



Testing Data

Speed (RPM)	Load voltage (VAC)	Load current (A)	Load power (W)	Torque (N.m)	Efficiency (%)
110	269.0	3.2	1490.9	157.4	82.2
90	220.1	2.7	1029.2	134.4	81.2
70	171.2	2.1	622.6	106.2	80.0
50	122.3	1.5	317.7	77.7	78.1
30	73.4	0.9	114.4	46.9	77.6
10	24.5	0.3	12.7	19.4	62.7



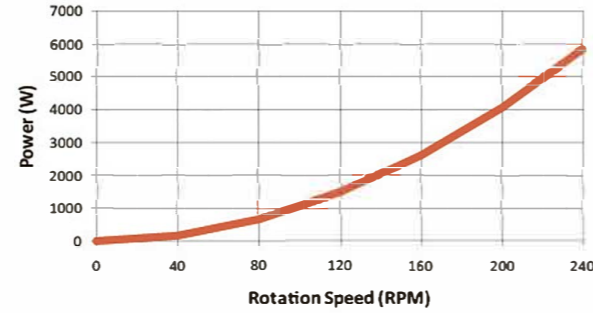


AFPMG550-4.0KW/200RPM

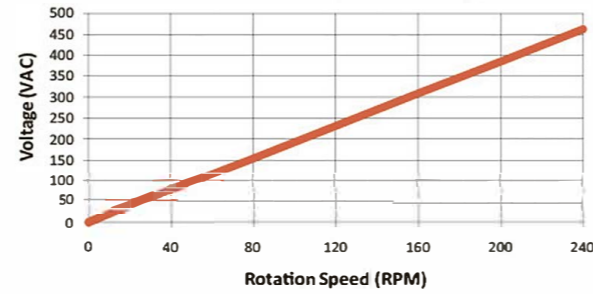
Technical Parameters

No.	parameter	Units	Data
1	Rated output power	KW	4.0
2	Rated speed	RPM	200
3	Rated output voltage	VAC	380
4	Rated current	A	6.1
5	Phase Resistance	Ω	3.7
6	Output wire square section	mm ²	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	<0.5
13	Temperature rise	$^{\circ}$ C	<80
14	Max. working temperature	$^{\circ}$ C	<120
15	Generator diameter	mm	550
16	Shaft diameter	mm	78
17	Housing material		Aluminium Alloy
18	Shaft material		Steel
19	Bearing		NSK or SKF
20	Weight	Kg	80
21	Design lifetime	Year	>20

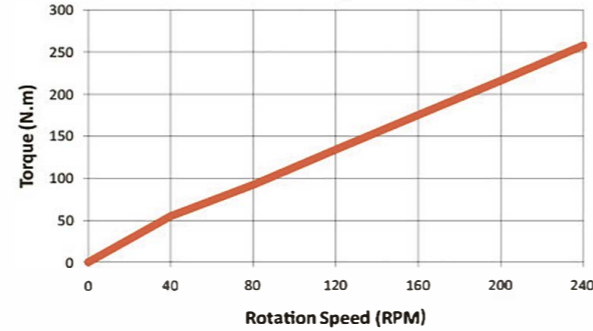
Speed-Power Curve



Speed-Voltage Curve

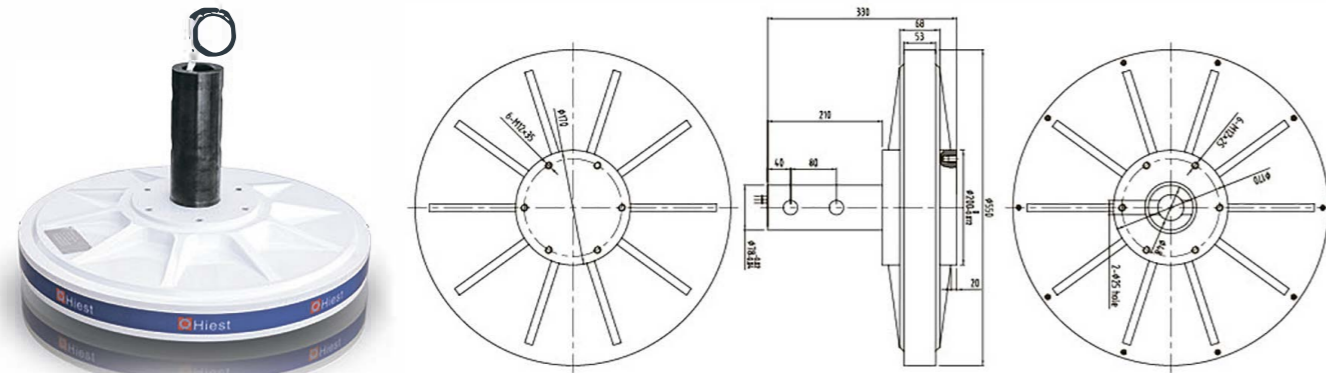


Speed-Torque Curve



Testing Data

Speed (RPM)	Load voltage (VAC)	Load current (A)	Load power (W)	Torque (N.m)	Efficiency (%)
240	462	7.3	5841.3	258.0	90.1
200	385	6.1	4067.6	216.3	89.8
160	308	4.9	2613.9	174.9	89.2
120	231	3.7	1480.3	133.9	88.0
80	154	2.5	653.5	91.9	84.9
40	77	1.2	162.7	54.7	71.0

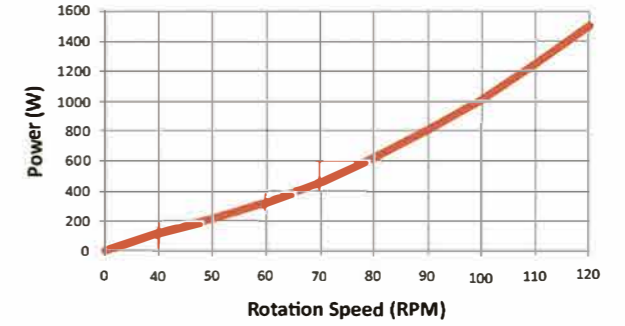


AFPMG560-1.0KW/100RPM

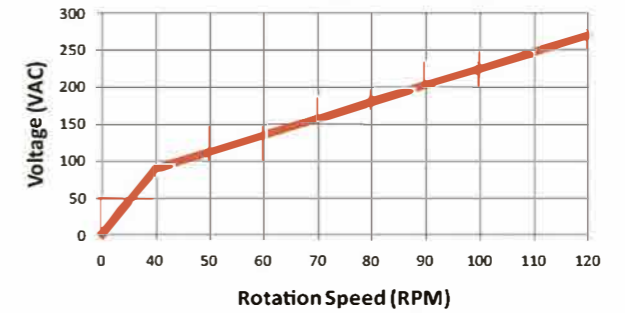
Technical Parameters

No.	parameter	Units	Data
1	Rated output power	KW	1
2	Rated speed	RPM	100
3	Rated output voltage	VAC	220
4	Rated current	A	2.65
5	Phase Resistance	Ω	5.9
6	Output wire square section	mm ²	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	<0.5
13	Temperature rise	$^{\circ}$ C	<80
14	Max. working temperature	$^{\circ}$ C	<120
15	Generator diameter	mm	560
16	Shaft diameter	mm	45
17	Housing material		Aluminium Alloy
18	Shaft material		Steel or stainless steel
19	Bearing		NSK or SKF
20	Weight	Kg	90
21	Design lifetime	Year	>20

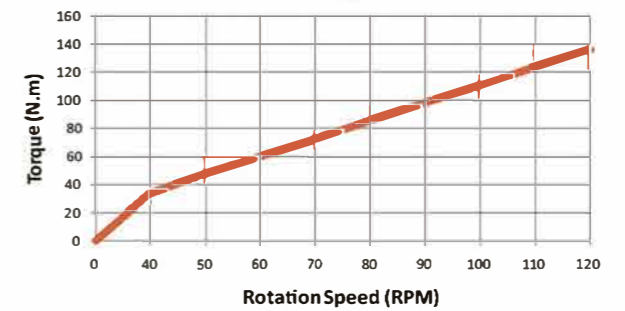
Speed-Power Curve



Speed-Voltage Curve

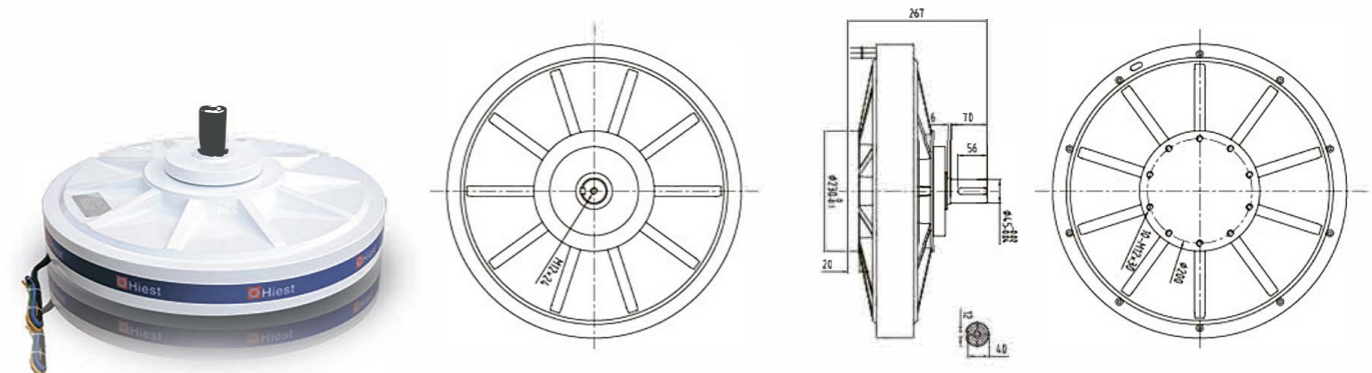


Speed-Torque Curve



Testing Data

Speed (RPM)	Load voltage (VAC)	Load current (A)	Load power (W)	Torque (N.m)	Efficiency (%)
120	270.0	3.2	1496	135.6	87.8
110	247.5	2.9	1243	123.3	87.5
100	225	2.6	1006	110.2	87.2
90	202.5	2.3	804	98.2	86.9
80	180	2	619	85.4	86.5
70	157.5	1.7	456	72.1	86.3
60	135	1.4	322	59.7	85.8
50	112.5	1.1	213	47.6	85.4
40	90	0.8	119	33.7	84.1



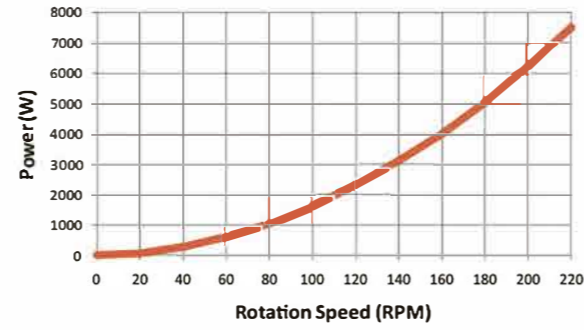


AFPMG560-5KW/180RPM (Double-disk)

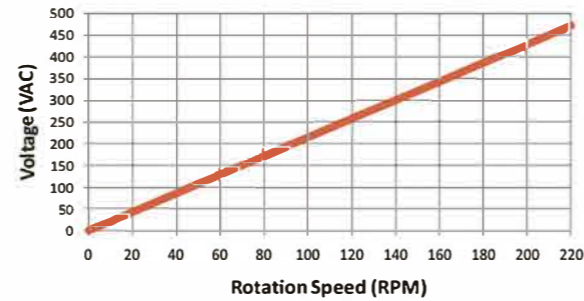
Technical Parameters

No.	parameter	Units	Data
1	Rated output power	KW	5
2	Rated speed	RPM	180
3	Rated output voltage	VAC	380
4	Rated current	A	7.6
5	Phase Resistance	Ω	3.1
6	Output wire square section	mm ²	2-2mm 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	<0.5
13	Temperature rise	$^{\circ}$ C	<80
14	Max. working temperature	$^{\circ}$ C	<120
15	Generator diameter	mm	560
16	Shaft diameter	mm	55
17	Housing material		Aluminium Alloy
18	Shaft material		Steel or stainless steel
19	Bearing		NSK or SKF
20	Weight	Kg	135
21	Design lifetime	Year	>20

Speed-Power Curve



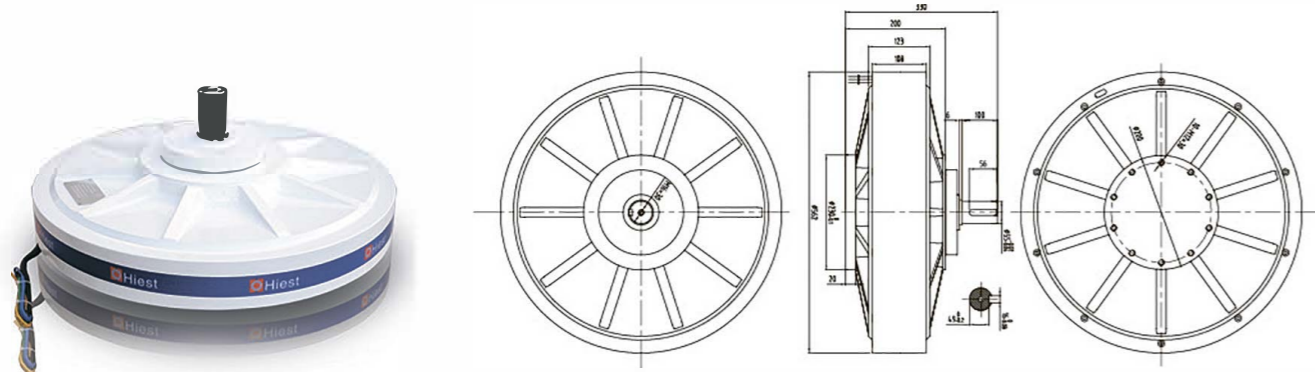
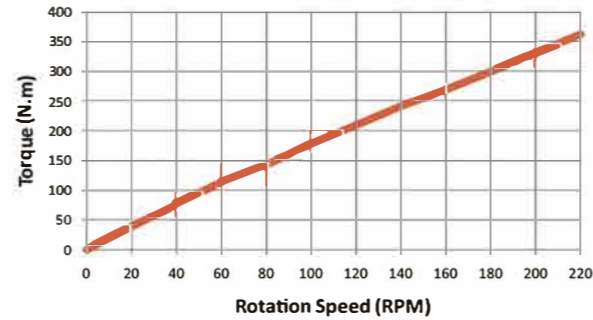
Speed-Voltage Curve



Testing Data

Speed (RPM)	Load voltage (VAC)	Load current (A)	Load power (W)	Torque (N.m)	Efficiency (%)
220	471.0	9.2	7505.1	362.1	90.0
200	428.0	8.4	6226.9	331.1	89.8
180	385	7.6	5035	299.5	89.6
160	342.2	6.8	4001	269.2	89.3
140	299.4	6	3115	241.2	89.0
120	256.7	5.2	2315	209.6	88.5
100	213.9	4.4	1621	177.5	87.6
80	171.1	3.5	1035	143	86.3
60	128.3	2.7	611	113.7	83.8
40	85.6	1.8	265	76.6	76.8

Speed-Torque Curve

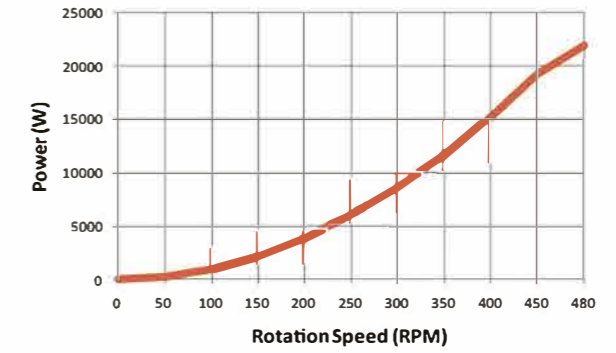


AFPMG560-15KW/400RPM (Double-disk)

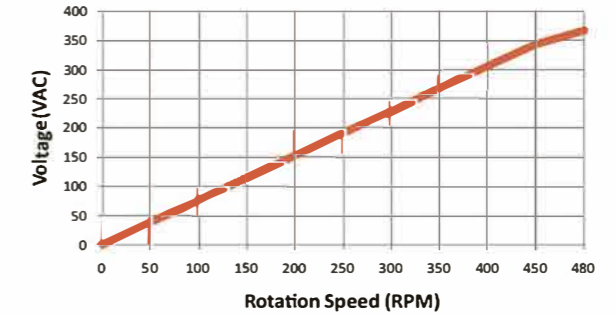
Technical Parameters

No.	parameter	Units	Data
1	Rated output power	KW	15
2	Rated speed	RPM	400
3	Rated output voltage	VAC	300
4	Rated current	A	28.9
5	Phase Resistance	Ω	0.3
6	Output wire square section	mm ²	2-4mm 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	<0.5
13	Temperature rise	$^{\circ}$ C	<80
14	Max. working temperature	$^{\circ}$ C	<120
15	Generator diameter	mm	560
16	Shaft diameter	mm	55
17	Housing material		Aluminium Alloy
18	Shaft material		Steel or stainless steel
19	Bearing		NSK or SKF
20	Weight	Kg	135
21	Design lifetime	Year	>20

Speed-Power Curve



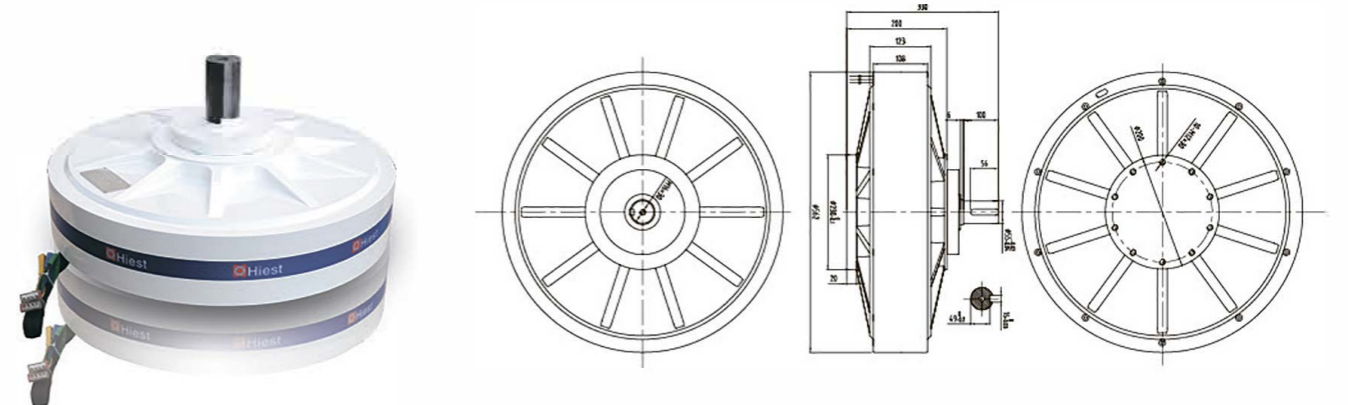
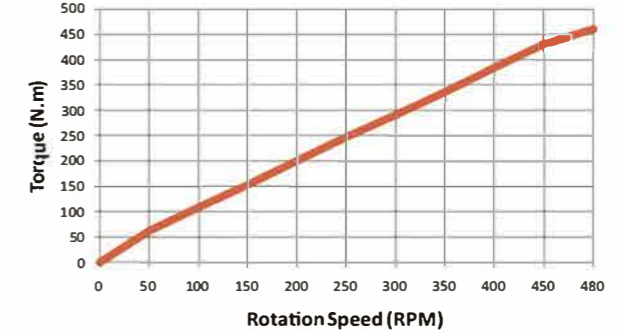
Speed-Voltage Curve



Testing Data

Speed (RPM)	Load voltage (VAC)	Load current (A)	Load power (W)	Torque (N.m)	Efficiency (%)
480	366.0	34.5	21870.0	459.4	94.7
450	343	32.3	19188.7	430.3	94.6
400	305	28.7	15161.1	383.3	94.4
350	266.9	25.1	11603.0	336.2	94.2
300	228.8	21.6	8559.7	290.6	93.8
250	190.6	18.2	6008.2	246.6	93.1
200	152.5	14.6	3856.3	200.5	91.9
150	114.4	10.8	2139.9	152.5	89.4
100	76.3	7.1	938.3	108.3	82.8
50	38.1	3.6	237.6	61.9	73.3

Speed-Torque Curve

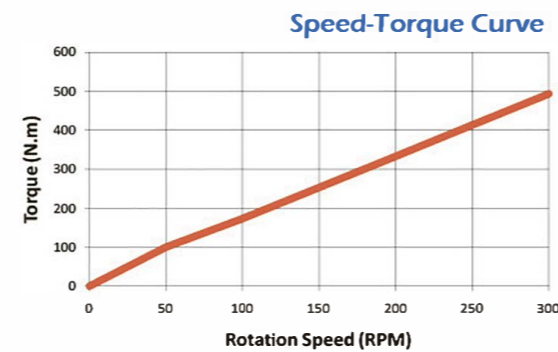
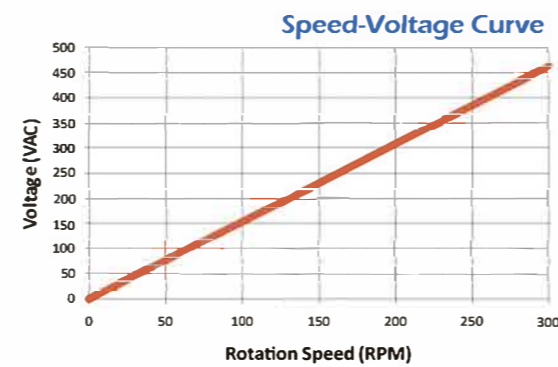
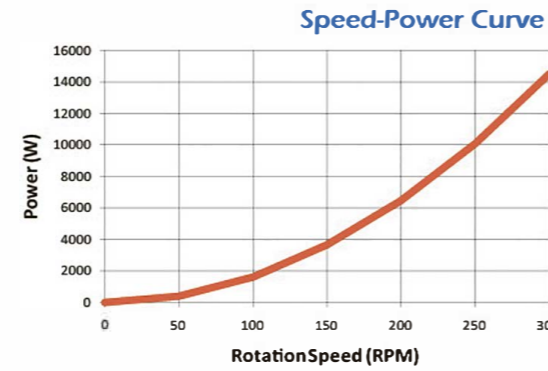




AFPMG700-10KW/250RPM

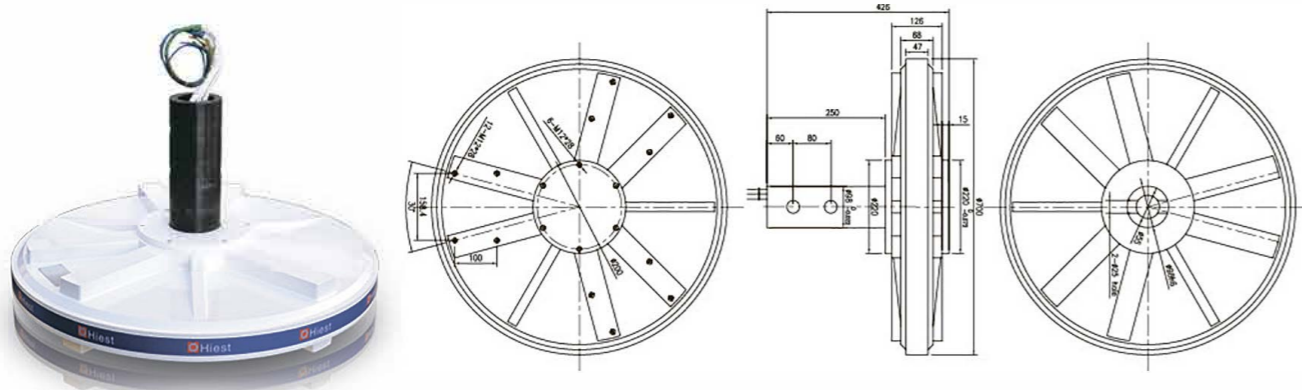
Technical Parameters

No.	parameter	Units	Data
1	Rated output power	KW	10
2	Rated speed	RPM	250
3	Rated output voltage	VAC	380
4	Rated current	A	15.2
5	Phase Resistance	Ω	0.9
6	Output wire square section	mm ²	4
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	<1
13	Temperature rise	°C	<80
14	Max. working temperature	°C	<120
15	Generator diameter	mm	700
16	Shaft diameter	mm	98
17	Housing material		Aluminium Alloy
18	Shaft material		Steel or stainless steel
19	Bearing		NSK
20	Weight	Kg	135
21	Design lifetime	Year	>20



Testing Data

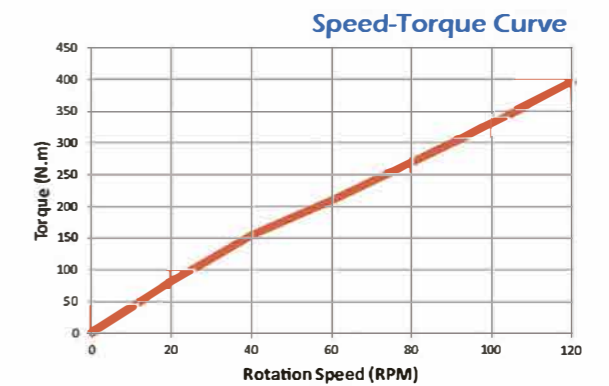
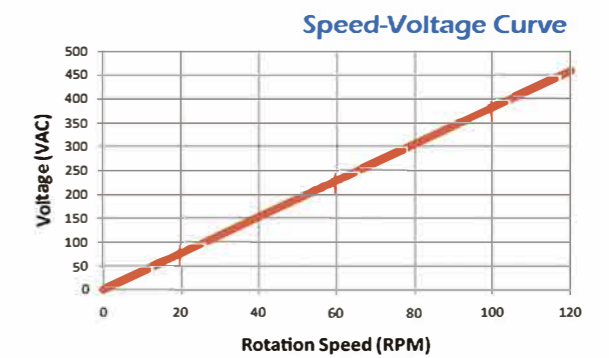
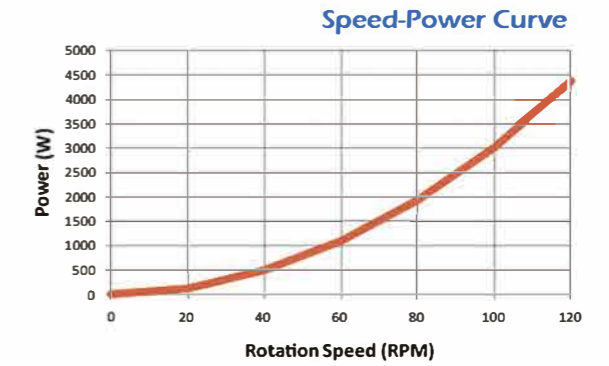
Speed (RPM)	Load voltage (VAC)	Load current (A)	Load power (W)	Torque (N.m)	Efficiency (%)
300	462.0	18.1	14483.3	493.0	93.5
250	385.0	15.1	10069.0	412.7	93.2
200	308.0	12.1	6454.8	332.8	92.6
150	231.0	9.1	3640.8	253.7	91.4
100	154.0	6	1600.4	173.6	88.0
50	77.0	3	400.1	100.2	76.3



AFPMG710-3.0KW/100RPM

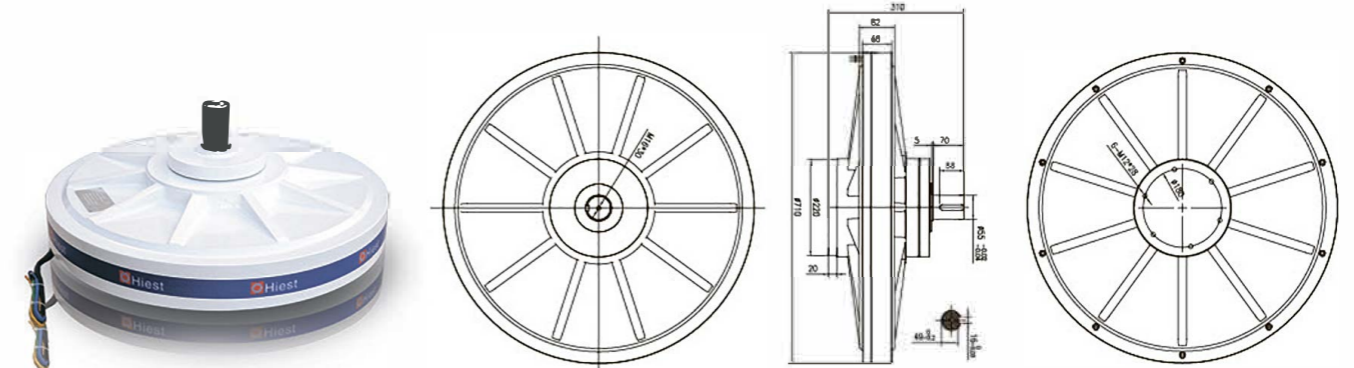
Technical Parameters

No.	parameter	Units	Data
1	Rated output power	KW	3
2	Rated speed	RPM	100
3	Rated output voltage	VAC	380
4	Rated current	A	4.6
5	Phase Resistance	Ω	5.6
6	Output wire square section	mm ²	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	<1
13	Temperature rise	°C	<80
14	Max. working temperature	°C	<120
15	Generator diameter	mm	710
16	Shaft diameter	mm	55
17	Housing material		Aluminium Alloy
18	Shaft material		Steel or stainless steel
19	Bearing		NSK or SKF
20	Weight	Kg	135
21	Design lifetime	Year	>20



Testing Data

Speed (RPM)	Load voltage (VAC)	Load current (A)	Load power (W)	Torque (N.m)	Efficiency (%)
120	458.0	5.5	4362.9	395.6	87.8
100	381.7	4.56	3014.4	330.8	87.0
80	305.3	3.65	1930.3	269.1	85.6
60	229.0	2.75	1090.7	209.7	82.8
40	152.7	1.85	489.2	154.4	75.6
20	76.3	0.91	120.3	80.8	71.1



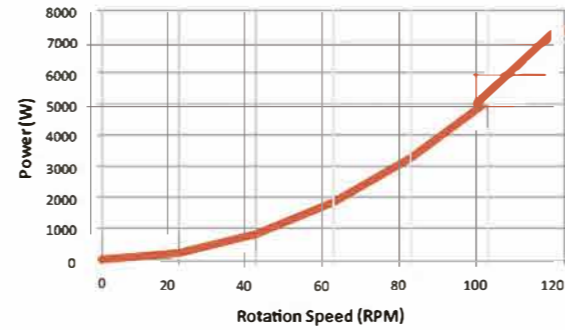


AFPMG770-5.0KW/100RPM

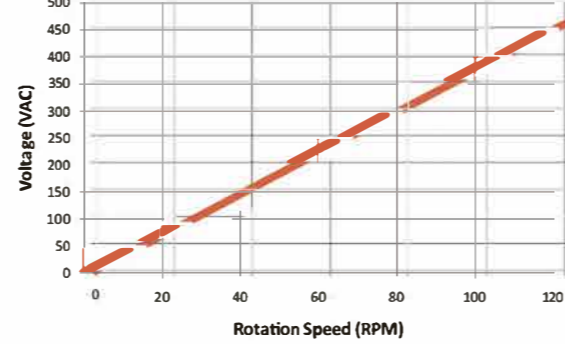
Technical Parameters

No.	parameter	Units	Data
1	Rated output power	KW	5.0
2	Rated speed	RPM	100
3	Rated output voltage	VAC	380
4	Rated current	A	7.7
5	Phase Resistance	Ω	3.5
6	Output wire square section	mm ²	4
7	Efficiency		>85%
8	Winding type		Y
9	Insulation resistance		100Mohm Min(500VDC)
10	Voltage withstand	ma	<5 ma
11	Insulation		H class
12	Start torque	Nm	<1
13	Temperature rise	$^{\circ}$ C	<80
14	Max. working temperature	$^{\circ}$ C	<120
15	Generator diameter	mm	770
16	Shaft diameter	mm	98
17	Housing material		Aluminium Alloy
18	Shaft material		Steel or stainless steel
19	Bearing		NSK or SKF
20	Weight	Kg	165
21	Design lifetime	Year	>20

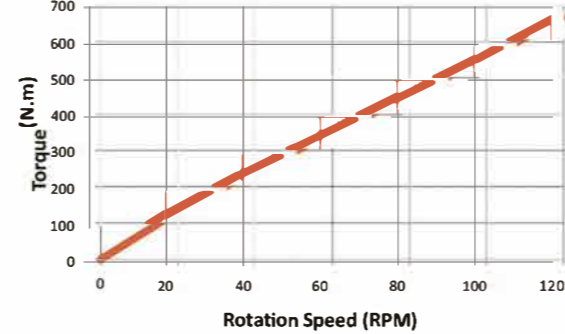
Speed-Power Curve



Speed-Voltage Curve



Speed-Torque Curve



Testing Data

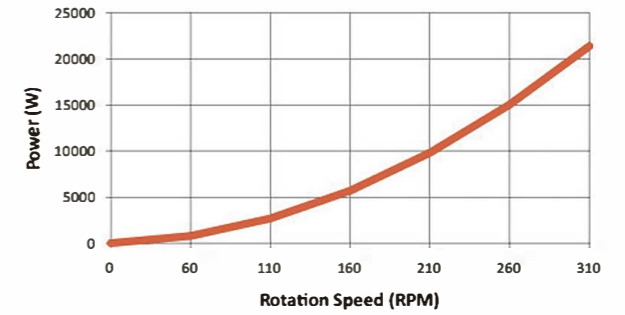
Speed (RPM)	load voltage (VAC)	Load current (A)	Load power (W)	Torque (N.m)	Efficiency (%)
120	456.0	9.3	7345.1	666.4	87.7
100	380.0	7.7	5067.8	554.9	87.2
80	304.0	6.2	3264.5	452.2	86.2
60	228.0	4.7	1836.3	347.5	84.1
40	152.0	3.1	816.1	242.8	80.2
20	76.0	1.5	202.7	132.6	73.0

AFPMG770-15KW/260RPM

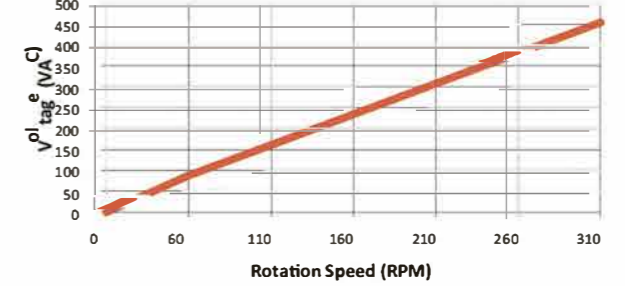
Technical Parameters

No.	parameter	Units	Data
1	Rated output power	KW	15
2	Rated speed	RPM	260
3	Rated output voltage	VAC	380
4	Rated current	A	23
5	Phase Resistance	Ω	0.5
6	Output wire square section	mm ²	2-4mm 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	<1
13	Temperature rise	$^{\circ}$ C	<80
14	Max. working temperature	$^{\circ}$ C	<120
15	Generator diameter	mm	770
16	Shaft diameter	mm	98
17	Housing material		Aluminium Alloy
18	Shaft material		Steel
19	Bearing		NSK orSKF
20	Weight	Kg	165
21	Design lifetime	Year	>20

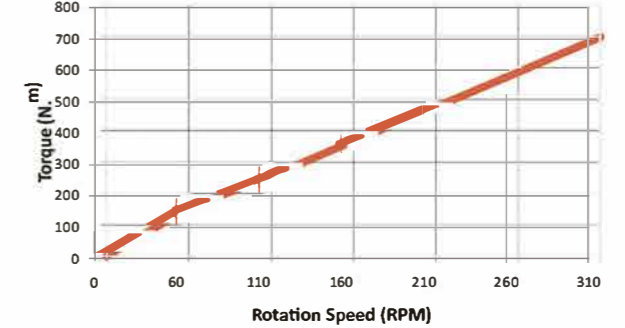
Speed-Power Curve



Speed-Voltage Curve



Speed-Torque Curve



Testing Data

Speed (RPM)	load voltage (VAC)	Load current (A)	Load power (W)	Torque (N.m)	Efficiency (%)
310	454.0	27.2	21388.1	696.8	94.6
260	380.8	22.8	15036.6	585.4	94.4
210	307.5	18.4	9801.2	474.3	94.0
160	234.3	14.1	5722.4	366.5	93.2
110	161.1	9.6	2678.6	255.0	91.2
60	87.9	5.3	806.6	154.2	83.3

