



Model-SYG-245-R-1000-450_(ver.4) AFPMG For HAWT

| No. | Parameter | Symbol | units | |
|-----|-----------------------------|------------------|----------|-------------------------------------|
| 1 | AC-Voltage(Line-Line) | E | V | 220 |
| 2 | Gen. Output Voltage | | | AC (3Phase) |
| 3 | Rotor | | | Permanent magnet type (outer rotor) |
| 4 | Stator | | | Coreless |
| 5 | Output Power | P _o | W | 1,000 |
| 6 | Rated speed | ω | rpm | 450 |
| 7 | Speed Constant | K _E | V/krpm | 518 |
| 8 | Resistance (Line-Line) | R _T | Ω | 9.8 |
| 9 | Maximum Winding Temperature | C _{Max} | °C | 130 |
| 10 | Number of Pole | - | - | 20 |
| 11 | Winding type | - | - | Wye |
| 12 | Gen. Weight | W _M | kg | 14.4 |
| 13 | Gen. Diameter | M _D | mm | 272 |
| 14 | Gen. Length | M _L | mm | 85 |
| 15 | Housing Material | - | - | Aluminum (Alloy) |
| 16 | Shaft Material | - | - | Steel |
| 17 | Shaft Bearing | - | - | 6009 2ZR 1EA, 6009 2RSR 1EA |
| 18 | | | | |
| 19 | | | | |

APPLICATION – Small Wind Turbine, Hydro Power, etc.







