

High Efficiency Wind Turbine Generator MI – Q series

Magnetic Innovations takes a step forward in CO2 emissions and the dependence on fossil fuels by creating a new generation of highly compact direct drive generators on the market. The direct drive concept requires no maintenance such as is necessary in a mechanical transmission. The concept lends itself well to be used in small wind turbines.

Depending on the application details the rotor of the generator can be integrated into the fan of the wind turbine. This can reduce the total building space.

An important parameter for wind turbines is the wind speed at which the turbine starts to rotate. Therefore the generator is optimized for a low holding torque.

The generator delivers a three-phase sinusoidal back-emf.

Key features are:

- High braking torque
- High efficiency
- Transmission not required
- High reliability and lifetime
- Quiet operation
- Maintenance free
- Brushless



Technical Data		
Parameter [unit]	Value	Note
OD x L [mm]	110 x 114	1)
Shaft OD [mm]	40	1)
Rated Electrical Output [W]	2400	2)
Rated Efficiency [%]	90	2)
Rated Voltage [V]	48 – 800	1)

