

Gdańsk 27/03/2015

Appendix 1

to the letter of inquiry No. ZO/2015/01

The detailed specification of the requirements of an induction motor.

Induction motor should meet the following **requirements**:

- Maximum rotational speed 8000 RPM
- Rotational speed gradient 10000 RPM/s
- Low rotor inertia 0.6 kg*m² or less
- Torque 270 Nm @ 4500 RPM; 150 Nm @ 8000 RPM (when motoring or absorbing)
- Mains 3x400 V
- Power approx. 150 kW
- Double-ended design is welcome
- Air cooling
- Isolated bearings for inverter operation
- Embedded winding temperature sensors
- Integrated 1024 CPR shaft encoder
- Continuous operation