

1.3.9.9 Noise Levels

Unless otherwise required by the Contract, the noise levels (Sound Power Levels dB(A)) of the motors shall be in accordance with BS EN 60034-9.

1.3.9.10 Paint Finish

The paint finish shall be entirely compatible with the environment to which the motors will be subjected. This shall consist of an anti-corrosion primer/undercoat with a 2 part heavy duty epoxy resin paint or such other paint finish determined by the application, and as detailed in the specification for Corrosion Protection.

1.3.10 Electro – Magnetic Compatibility

1.3.10.1 Regulations

- A. Ensuring electrical component, equipment and systems supplied are safe and does not interfere with the normal operation of other equipment is the basis for Electromagnetic Compatibility regulation.
- B. **Low Voltage Directive** 73/23/EEC; shall apply to electrical equipment designed for use at a rated voltage of 50 to 1000 V for alternating current and 75 to 1500 V for direct current. Rated voltage shall refer to the input or output voltage of the equipment and not voltages which are generated internally.
- C. The electro-technical product shall also meet the requirements of other applicable directives in addition to the Low Voltage Directives. The compliance of individual components with the requirements of appropriate European Norms (EN) does not imply compliance of the end product. End product testing ensures that interconnections as well as manufactured CE marked components are performing to what is formally stated in their declaration of conformity.

1.3.10.2 EMC: Electromagnetic Compatibility

- A. EMC is the ability of different items of electrical equipment to work together without suffering the effects of interference. All equipment shall operate without interfering with broadcast and communications signals and be immune to normal levels of such signals.
- B. EMC implies that equipment shall not generate unacceptable levels of interference, which affect the performance of other products designed to operate in the same environment. Also, equipment shall have sufficient immunity to electrical interference, such that the equipment continues to operate in an acceptable manner.