General design assumptions

of e+a Elektromaschinen und Antriebe AG (in the following referred to as "e+a")

Sinussoidal voltages and currents are assumed during design. Power ratings are based on assumptions regarding the applied frequency converters or control methods, operating conditions and additional losses in the overall system, as well as the ability of the overall system to deal with losses.

e+a wishes to point out that in particular, but not exclusively, the power, the operating temperature and the service life of the motor elements depend on system components, over which e+a has no influence whatsoever: cooling, customer product design, duty cycles, frequency converter, harmonics of current and voltage signal, control methods, grounding for high frequency signals, power supply quality, operating equipment, environmental influences and conditions (e.g. pressure, temperature, radiation, vibration, chemical compatibility etc.). Technical specifications are therefore always estimates, not precise figures. It is the responsibility of the system manager to determine suitability of the respective motor element for the planned purpose and to check and approve its operating characteristics as an integral element of the overall system. The sale of a motor element by e+a does not imply that application-specific standards or customer-specific requirements are met depending on the intended use. General guarantees about the level of performance of the specified technical data or the service life cannot be offered and any guarantees or representations made require the written consent of a member of staff authorized to sign documents on behalf of e+a.

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