

A) Rules:

Electrical design	DIN EN 60034-1 (VDE 0530-1)
Performance rating	Thermal class F
Site altitude	≤ 1000 m above sea level
Ambient temperature	40°C max.
Converter-fed induction motors	DIN VDE 0530-17 (VDE 0530-17)
Mechanical design	DIN EN 60034-7 (DE 0530-7) DIN EN 60034-5 (VDE 0530-5)
Protection class	IP 54 totally enclosed, fan cooled terminal box, IP 55-rated
Vibration level	DIN EN 60034-14 (VDE 0530-14) $V_{\text{eff}} \leq 1.8$ mm/s in the delivered state
Balancing	Vibration level R or S in accordance with DIN ISO 2373 upon request

B) General:

Low-Voltage Directive	2006/95/EC Motors are intended for installation in machines according to Machine Directive 2006/42/EC, but are subject to the Low-Voltage Directive.
Energy efficiency	IEC 600 34 – 30 : 2008; EuP Directive 640/2009 Scope: low-voltage motors connected directly to 50 or 60 Hz and continuous duty. Not included are motors exclusively built for converter operations as well as brake motors.

C) The following are possible upon request:

Country-specific regulations	<i>USA</i> NEMA MG1 <i>Canada</i> CSA C22.2 No. 100, file L.R 16865 for selected Types, upon request
Dust protection	DIN EN 61241-1 (Zone 20-22) Increased dust protection in accordance with ATEX protection zone 22 for non-conductive dust

Breakdown of Type designation

Example

Note: performance data, rated voltage and frequency are not coded in the type - designation. These are indicated in plain text. The shaft design is provided in the drawings. The type designation does not provide complete order information!

