



EC Declaration of Conformity

The manufacturer: ABB Automation Technologies AB, LV Motors
S-721 70 Västerås, Sweden

Hereby declares that

The VSD drive combinations:

ABB Frequency converters ACS550, ACH550, ACS350 and ACS800

and

3-phase induction motors EEx nA II T3 (200 °)
Group II – Category 3G – Temperature class T3 (200 °) and
3-phase induction motors 'Dust Ignition Protection'
Group II – Category 2D/3D – Temperature class T 125 °C

<u>Motor Type</u>	<u>IEC Size</u>	<u>Certification no</u>
M2AA	112 – 250	NEMKO 04 ATEX 1448, CE ₀₄₇₀ (Cat. 2D) NEMKO 04 ATEX 3449, (Cat. 3D and 3G)
M3AA	112 - 280	NEMKO 04 ATEX 1448, CE ₀₄₇₀ (Cat. 2D) NEMKO 04 ATEX 3449, (Cat. 3D and 3G)

Are in conformity with provisions of the following Council Directives:

ATEX of 23 March 1994 94/9/EC

In respect of category:

3G: EN 50014:1997 +A1:1999, A2:1999, EN 60079-15:2003, IEC 60079-15:2001
2D/3D: EN 50014:1997 +A1:1999, A2:1999, EN 50281-1-1:1998, EN 61241-1:2004,
IEC 61241-1:2004, IEC 61241-0:2004

Conditions:

The motor loading must conform to the derating curve A1 on page 2. A temperature measurement device must be installed in the motor. The ambient temperature must be limited to -20°C - +40°C. S1 duty frequency ranges are 0-90 Hz for ACS800 and 5-90 Hz for ACS350 and ACS550. Max speed of the motor type must be respected.

Year of CE marking: CE05

Signed by 

Gunnar Kylander, Product responsible EEx and Marine Products

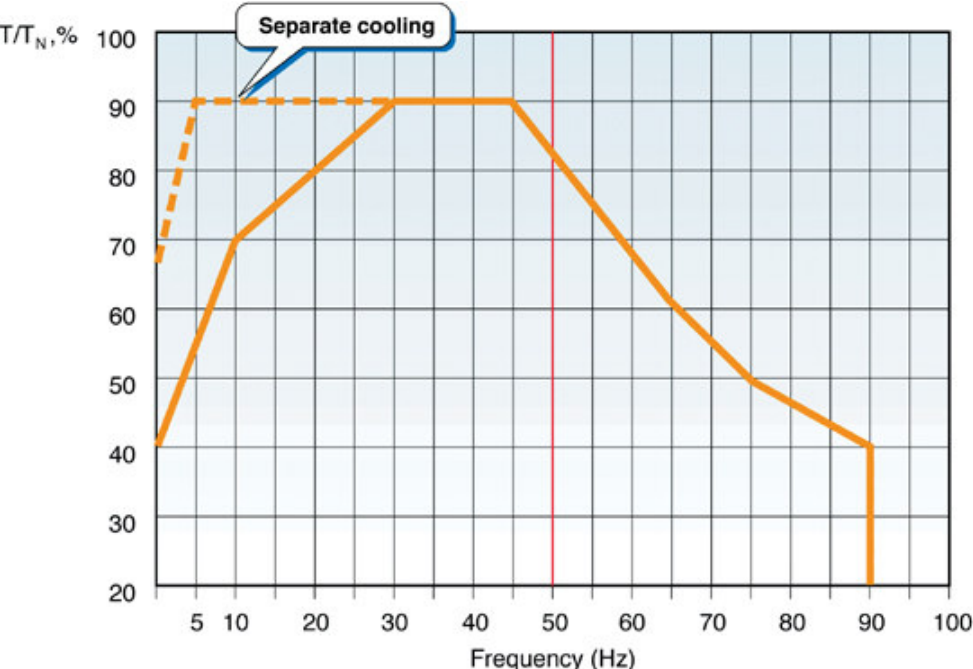
Date: Dec 2005

Motor loadability with ACS converter drives (50 Hz)

Non-sparking Aluminum motors, Ex nA/EEEx nA T3, frame sizes 112-280
Dust ignition proof Aluminum motors T125 °C, frame sizes 112- 280

Notes:

- Field weakening point at 50 Hz
- ACS800 with DTC control and S1 duty 0-90 Hz
- ACS550 and ACS 350 with S1 duty 5-90 Hz



A1. Derating curve for ACS type converters and M2AA/M3AA DIP/EEEx nA motors