



EU Declaration of Conformity

The Manufacturer ABB India Ltd.
Maneja works,Vadodara,Gujarat.
Motors and Generators.

The Products 3-phase squirrel cage induction machines,series
AXR,HXR,AMA and AMI are listed on page 2, are in
conformity with the provisions of following Council
Directives:

- **ATEX Directive 2014/34/EU**
In respect of the machine category the harmonised standards can be one or more of the following standards :EN 60079-0:2012, EN 60079-2: 2007 and 2014, EN 60079-7: 2015, EN 60079-15:2010 and EN 60079-31:2014.
- **Machinery Directive 2006/42/EC**
The designing of the machines, considered as a partly completed machinery,complies with the essential health and safety requirements of Machinery Directive, provided that the installation be correctly realised by the manufacturer of the machinery (e.g. in compliance with our installation instruction and standard EN 60204 Part 1 and Part 11 as applicable).

Vadodara, 06th June 2018.
For ABB India Ltd.



Indraneel D
Vice President
Large Motors and Generators
Business Unit -Motors and Generators,
Robotics & Motion,
Maneja, Vadodara – 390013, India.
Mobile Number: +91 9727000528
Email: indraneel.d@in.abb.com

Address:
ABB India Ltd.
Maneja Works
Maneja,Vadodara-390013
(Gujarat),India
Motors and generators.

Phone : +91(0)265-6724488
Fax : +91 265- 2638911

Registered Office:
2nd Floor,East Wing,Khanija Bhavan
49,Race Course Road
Bangalore-560 001
Phone:+91 80 2294 9150-54
Fax:+91 80 2294 9148

Web address:www.abb.com/in



The product: 3-phase squirrel cage induction machine, series AXR, HXR, AMA and AMI

Machine type, IEC Frame size	Group & Category, Temperature Class, Protection Type	Certificate issued by Manufacturer or notified body (ExNB)
HXR 355- 560	II 2G Ex e II T1-T3 Gb ³⁾ or II 2G Ex eb II T1-T3 Gb ³⁾	ExNB: VTT ¹⁾
	II 2G Ex px / e px II T1-T4 Gb ³⁾ or II 2G Ex pxb / eb pxb / e pxb II T1-T4 Gb ³⁾	ExNB: VTT ¹⁾
	II 3G Ex pz / e pz / nA pz II T1-T4 Gc ³⁾ or II 3 G Ex pzc / eb pzc / ec pzc / e pzc / nA pzc II T1-T4 Gc ³⁾	ABB or ExNB: VTT ¹⁾
	II 3G Ex nA II T1-T4 Gc ³⁾ or II 3G Ex ec II T1-T4 Gc ³⁾	ABB or ExNB: VTT ¹⁾
	II 3D Ex tc IIIB T...°C IP 55 Dc ²⁾	ABB or ExNB: VTT ¹⁾
AMA 315-500	II 2G Ex e II T1-T3 Gb ³⁾ or II 2G Ex eb II T1-T3 Gb ³⁾	ExNB: VTT ¹⁾
	II 2G Ex px / e px II T1-T4 Gb ³⁾ or II 2G Ex pxb / eb pxb / e pxb II T1-T4 Gb ³⁾	ExNB: VTT ¹⁾
	II 3G Ex pz / e pz / nA pz II T1-T4 Gc ³⁾ or II 3 G Ex pzc / eb pzc / ec pzc / e pzc / nA pzc II T1-T4 Gc ³⁾	ABB or ExNB: VTT ¹⁾
	II 3G Ex nA II T1-T4 Gc ³⁾ or II 3G Ex ec II T1-T4 Gc ³⁾	ABB or ExNB: VTT ¹⁾
	II 3D Ex tc IIIB T...°C IP 55 Dc ²⁾	ABB or ExNB: VTT ¹⁾
AMI 400-630	II 2G Ex e II T1-T3 Gb ³⁾ II 2G Ex eb II T1-T3 Gb ³⁾	ExNB: VTT ¹⁾
	II 2G Ex px / e px II T1-T4 Gb ³⁾ II 2G Ex pxb / eb pxb / e pxb II T1-T4 Gb ³⁾	ExNB: VTT ¹⁾
	II 3G Ex pz / e pz / nA pz II T1-T4 Gc ³⁾ II 3 G Ex pzc / eb pzc / ec pzc / e pzc / nA pzc II T1-T4 Gc ³⁾	ABB or ExNB: VTT ¹⁾
	II 3G Ex nA II T1-T4 Gc ³⁾ II 3G Ex ec II T1-T4 Gc ³⁾	ABB or ExNB: VTT ¹⁾
	II 3D Ex tc IIIB T...°C IP 55 Dc ²⁾	ABB or ExNB: VTT ¹⁾
AXR 315 - 500	II 2G Ex eb II T1-T3 Gb ³⁾	ExNB: VTT ¹⁾
	II 2G Ex pxb / eb pxb / e pxb II T1-T4 Gb ³⁾	ExNB: VTT ¹⁾
	II 3 G Ex pzc / eb pzc / ec pzc / e pzc / nA pzc II T1-T4 Gc ³⁾	ABB or ExNB: VTT ¹⁾
	II 3G Ex ec II T1-T4 Gc ³⁾	ABB or ExNB: VTT ¹⁾
	II 2D Ex tb IIIC T...°C IP 66 Db ²⁾	ExNB: VTT ¹⁾
	II 3D Ex tc IIIB T...°C IP 55 Dc ²⁾	ABB or ExNB: VTT ¹⁾

¹⁾ ExNB: VTT Expert Services Oy (537),Kivimiehentie 4, Espoo, Finland

²⁾ Degree of protection (IP-Codes) has been specified in standard EN 60034-5.

Minimum requirement for IP-Codes are presented in table.

³⁾ Gas groups, A,B or C.

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