

Type Approval Certificate



This is to certify that the undernoted product(s) has/have been tested in accordance with the relevant requirements of the GL Type Approval System.

Certificate No. 75 187 - 09 HH

Company Witt & Sohn AG
Wuppermanstraße 6 - 10
25421 Pinneberg, GERMANY

Product Description Axial Flow Fans

Type N/NL, M/ML, X/XL, Y/YL, DV-ex, PV-ex

Environmental Category A, C

Technical Data / Range of Application
Design: Explosion protected type
Inlet size: 250 up to 2800 mm
Casing thickness: 1,5 up to 16 mm
Impeller types: N, M, X, Y (adjustable pitch)
Drive type: Coupling-, belt- or direct drive
Motor manufacturer, type, frame size and explosion protection:
ABB: M2J 80 - 400 EEx d IIB/ IIC T1 - T5
M2J 80 - 280 EEx d IIB/ IIC T1 - T6
M2K 80 - 400 EEx de IIB/ IIC T1 - T5
M2K 80 - 280 EEx de IIB/ IIC T1 - T6
Cemp International: E 63 - 132 EEx d IIB T1 - T5
EH 63 - 250 EEx d IIC T1 - T5
EEH 63 - 250 EEx de IIC T1 - T5
Felten & Guillaume: CD 63 - 355 EEx d/ de IIC T1 - T6
dCD 63 - 355 EEx d/ de IIC T1 - T6
Loher, Siemens and VEM- types: see page 2

Test Standard Guidelines for the Performance of Type Approvals Part 2, Edition 2003
IACS-UR F 29(Rev. 6.2005) for fans; EN 50014-20 for motors

Documents Test report :Witt & Sohn Working Instructions AAT 23 dd 17.07.1997
Catalogues: Witt & Sohn M 98-xx-4 dd 28.09.2001, 20.03.2003, 11.11.2003, 14.01.2004
Catalogues: ABB, cemp , F & G, Loher, Siemens, VEM

Remarks None

Valid until 2014-05-28

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File No. I.P.05

Hamburg, 2009-05-29

Germanischer Lloyd

W. Voß
Wolfgang Voß

H. Klopp
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This certificate is issued on the basis of "Guidelines for the Performance of Type Approvals Part 1, Procedure".

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Loher :	D series 71 - 355	EEx d/ de IIB/ IIC T1 - T6
Siemens AG:	1MJ series 71 - 450	EEx de IIB/ IIC T1 - T4
	1MA series 63 - 355	EEx e II T1 - T3
VEM:	K81R 63 - 450	EEx d/ de IIC T1 - T4
	K82R 100 - 400	EEx d/ de IIC T1 - T4
	KPER 63 - 112	EEx e II T1 - T3
	K11R 132 - 315	EEx e II T1 - T3

Motor standard to be of IEC 60034ff.

In case the fans fall within the validity of Directive 94/9/EC- ATEX (not on seagoing vessels and mobile offshore units) the Conformity Assessment Procedure as described in the ATEX documents must be followed:
For equipment of group II category 2- the motors must have an "EC Type Examination" and "Conformity of Type" or "Product AQ" must be assured, while for fans proper there must be provided "Internal Control of Production" and "Communicate a Technical Documentation to a Notified Body" (for Witt & Sohn AG, Reg.no:PTB 03 ATEX D076).
For equipment of group II category 3- there must be "Internal Control of Production". The documents of Conformity (IEC Declaration of Conformity) as per ATEX must be provided and fans and motors must be marked with CE and ATEX supplementary marking as per ATEX, showing, amongst others, the identification number of the Notified Body, where applicable.

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