



The Royal League in ventilation, control and drive technology



Our Products. Your Safety.

Product selection and production based on very accurate measurements in the air technology field.

© ZIEHL-ABEGG SE - 00702851 - EN - MA - 03/2015 - 250 - Klunker & Ewald - Subject to technical modifications

Reliability has a system.

ZIEHL-ABEGG is a pioneer in the field of systematic and certified data measurement. ZIEHL-ABEGG provides manufacturers of RLT units with accurate and realistic values – both for individual series and the entire product range.

1. CUSTOMER

Manufacturers of air-supply units have to meet the requirements set forth by their customers. Norms, guidelines for instance ErP, and various industrial organizations grow and change the requirements for fans.

Customer request



Measurements of customer units in the InVent

Supplied Product

DELIVERY

Highest delivery class 1 (for Cpro and ZAvblue impellers with ECblue motor, for instance) ensure that the customers receive exactly the products they chose.

Continuous production supervision via control measurements in the InVent



TECHNOLOGY CENTER InVent

- The largest and most precise laboratory in the field
- Air performance values: Accuracy class 1 DIN 24166
- Acoustics values: Accuracy class 1 DIN EN ISO 3745
- 3 TÜV and AMCA 210-99 certified test benches
- 2 combined air performance acoustics test stands

All data listed in FANselect and in the catalog are based on measurements from the InVent



2. ZIEHL-ABEGG FANselect Certified Design Software

- First TÜV-certified fan selection software, offering the largest TÜV-certified product portfolio:
- Axial and radial fans
 - Approx. 3000 TÜV-certified products
- Approx. 3000 TÜV-certified products**
- Volume flow: +/- 1%
 - Pressure increase: +/- 1%
 - Power input: + 2%

Purchase Order

3.

ZIEHL-ABEGG PRODUCTION Certified Manufacturing

Our manufacturing process is designed to accommodate a large-scale production scenario and guarantees a high level of repeatable accuracy.

Continuous quality controls, internal and external audits ensure highest quality standards.



Delivery Classes - Overview

Description	Symbol	Delivery classes			
		0	1	2	3
Volume flow	qv	+/- 1,0 %	+/- 2,5 %	+/- 5,0 %	+/- 10,0 %
Pressure increase	psF/	+/- 1,0 %	+/- 2,5 %	+/- 5,0 %	+/- 10,0 %
Input power	P	+ 2,0 %	+ 3,0 %	+ 8,0 %	+16,0 %
Efficiency	eta	- 1,0 %	- 2,0 %	- 5,0 %	---(-12 %)
A-Sound power level	LwA	+ 3,0 dB (+ 2 dB(A))	+ 3,0 dB	+ 4 dB	+ 6,0 dB

DIN 24166 (ISO 13348)