

|                                   |                                                                                                                                                                                                                                                                                              |
|-----------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Article number</b>             | 116758                                                                                                                                                                                                                                                                                       |
| <b>Type</b>                       | RH56V-ZIK.GG.1R                                                                                                                                                                                                                                                                              |
| <b>Designation</b>                | Single inlet impeller with backward curved blades.                                                                                                                                                                                                                                           |
| <b>Rated values</b>               | 3~380-480V 50/60Hz $P_{ed}$ 3.10kW 5.00-4.00A<br>1560min <sup>-1</sup> 60°C                                                                                                                                                                                                                  |
| <b>Electrical connection</b>      | Integrated controller                                                                                                                                                                                                                                                                        |
| <b>ErP Data</b>                   | Measurement category ErP: A<br>Air flow $q_v$ on Eta opt: 8424 m <sup>3</sup> /h<br>Pressure increase $p_{fs}$ on Eta opt: 770 Pa<br>Input power $P_{ed}$ on Eta opt: 3055 W<br>Efficiency $\eta_{statA}$ : 63.8 %<br>Efficiency grade: $N_{actual} = 69.2 / N_{target} = 62^*$<br>*ErP 2015 |
| <b>Min. operating temperature</b> | -15°C                                                                                                                                                                                                                                                                                        |
| <b>Thermal class</b>              | Thermal class 155                                                                                                                                                                                                                                                                            |
| <b>efficiency class</b>           | IE5                                                                                                                                                                                                                                                                                          |
| <b>IO-function</b>                | BASIC-MODBUS                                                                                                                                                                                                                                                                                 |
| <b>Painting stator</b>            | Stator unpainted                                                                                                                                                                                                                                                                             |
| <b>coating rotor</b>              | Rotor 1 coatpaint resistance class 1 (L-TI-0596)                                                                                                                                                                                                                                             |
| <b>Colour sheet rotor</b>         | RAL 5002 (ultramarine blue)                                                                                                                                                                                                                                                                  |
| <b>Material impeller</b>          | Impeller made of High Performance Composite Material                                                                                                                                                                                                                                         |
| <b>Painting impeller</b>          | unpainted                                                                                                                                                                                                                                                                                    |
| <b>Colour impeller</b>            | black                                                                                                                                                                                                                                                                                        |
| <b>Connection diagram</b>         | AP00001C                                                                                                                                                                                                                                                                                     |
| <b>Installation position</b>      | Fitting position H/Vu/Vo                                                                                                                                                                                                                                                                     |
| <b>Fitting position mot</b>       | Mounting position H/Vu/Vo                                                                                                                                                                                                                                                                    |
| <b>Motor protection</b>           | integrated active temperature management                                                                                                                                                                                                                                                     |
| <b>Type of protection</b>         | IP55                                                                                                                                                                                                                                                                                         |
| <b>Impregnation</b>               | Moisture and hot climate protection                                                                                                                                                                                                                                                          |
| <b>Quality of bearings</b>        | ball bearing with long-time lubrication                                                                                                                                                                                                                                                      |
| <b>Labelling UL/CSA</b>           | E213826 ZB-155, MK152-0008                                                                                                                                                                                                                                                                   |
| <b>Painting motor</b>             | Stator/rotor separately                                                                                                                                                                                                                                                                      |
| <b>Colour motor</b>               | Stator/rotor separately                                                                                                                                                                                                                                                                      |
| <b>Min. operating temperature</b> | -15°C                                                                                                                                                                                                                                                                                        |
| <b>Operating manual</b>           | L-BAL-F078                                                                                                                                                                                                                                                                                   |
| <b>Wuchtgüte (generiert)</b>      | G 2.5                                                                                                                                                                                                                                                                                        |
| <b>Weight</b>                     | 22.00 kg                                                                                                                                                                                                                                                                                     |

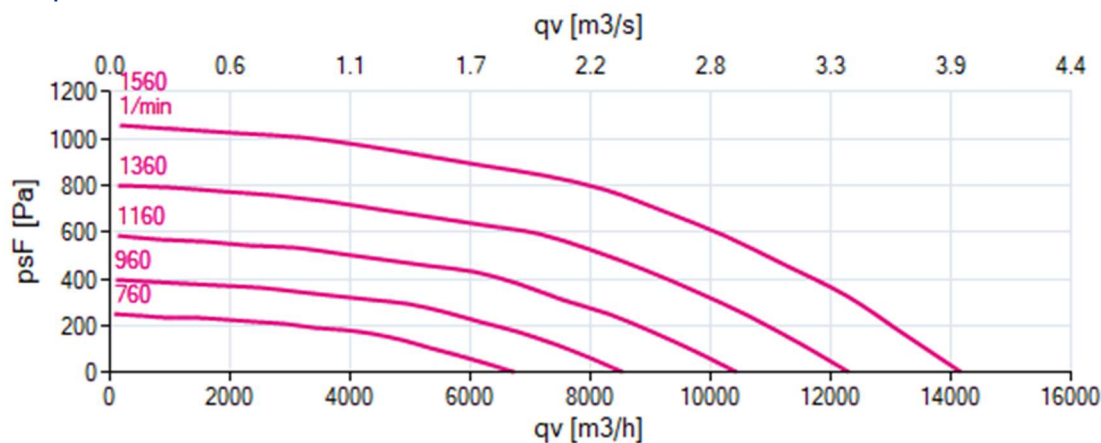
RH56V-ZIK.GG.1R

3~ 400V 50Hz

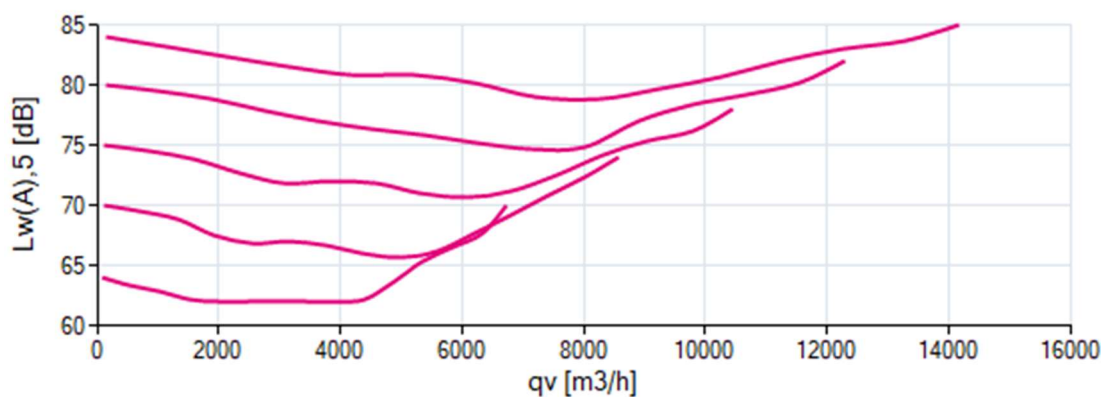
measured in standard nozzle in installation type A according to ISO 5801

 measurement density 1,16 kg/m<sup>3</sup>

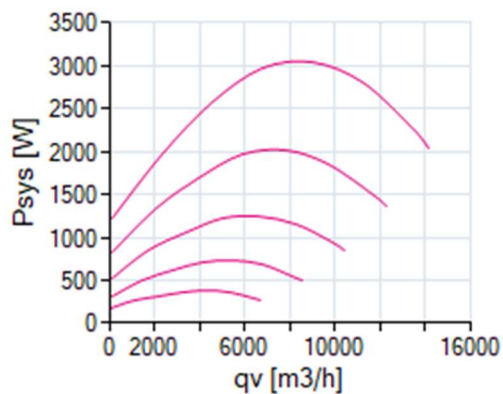
## Air performance



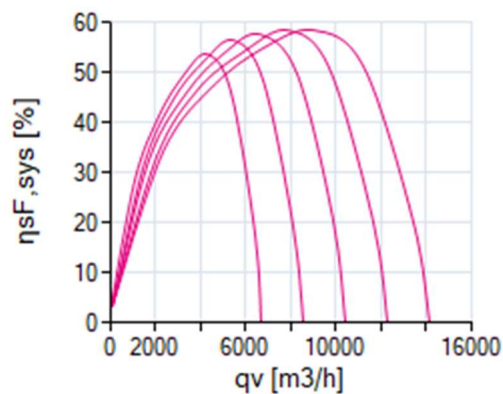
## Acoustics



## Power input



## Efficiency



77892



① = maximale Einschraubtiefe  
maximum depth of screw



Kunststoff-Lüfterrad  
plastic impeller

|                                                                                                 |                                                                                                                                                 |                   |                                                                                                                                               |
|-------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|
| Darstellung schematisch gezeichnet -<br>Änderungen vorbehalten<br>-<br>subject to modifications | ZIEHL-ABEGG<br>Zehn-Abegg AG<br>Hauptstr. 1<br>74653 Künzelsau<br>Germany<br>Tel.: +49-7143-96-0<br>Fax: +49-7143-96-100<br>www.ziehl-abegg.com |                   | Drawing<br>title RH...V / EC / MK152                                                                                                          |
|                                                                                                 | ZIEHL-ABEGG                                                                                                                                     | Index<br>number 2 | Name<br>and<br>date bu<br>31.05.2012<br>Date<br>of<br>revision<br>01.10.2009<br>Author<br>eschell<br>Checked<br>04.09.09<br>Drawn<br>04.09.09 |

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L-AL-3276

