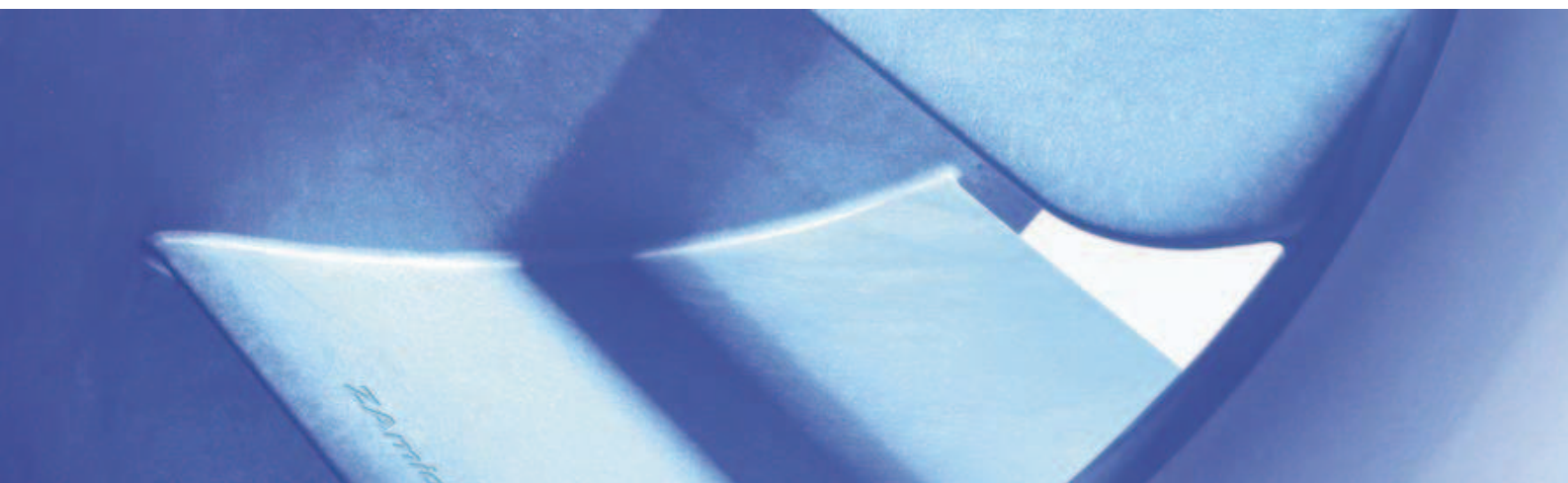


Movement by Perfection



The Royal League in **ventilation**, control and drive technology



Product documentation

Type  
RH35C-PDD.6K.1R

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## 1. Product specification

### Technical data

|                                 |                                                                                                                            |
|---------------------------------|----------------------------------------------------------------------------------------------------------------------------|
| Type                            | RH35C-PDD.6K.1R                                                                                                            |
| Designation                     | Single inlet impeller with backward curved blades.                                                                         |
| Rated values                    | 3~400V $\pm 10\%$ $\Delta/Y$ 50Hz P <sub>1</sub> 2,00/1,40kW<br>3,50/ 2,40A $\Delta I = 10\%$ 2760/2320/min COSY 0,81 60°C |
| Electrical connection           | Supply cable side,<br>9x 0,75mm <sup>2</sup> x 155cm                                                                       |
| Min. operating temperature [°C] | -40                                                                                                                        |
| Cable quality                   | Li4G4G-J                                                                                                                   |
| Material impeller               | Impeller made of aluminium                                                                                                 |
| Painting impeller               | unpainted                                                                                                                  |
| Connection diagram              | 1360-108XA                                                                                                                 |
| Installation position           | H/Vu                                                                                                                       |
| Motor protection                | thermal contact                                                                                                            |
| Type of protection              | IP54                                                                                                                       |
| Thermal class                   | Thermal class 155                                                                                                          |
| Balancing                       | 2,5                                                                                                                        |
| Quality of bearings             | ball bearing with long-time lubrication                                                                                    |
| Special bearing                 | With special bearings 2RS and nilos<br>ring                                                                                |
| Field of application            | Conceived for individual application in<br>railways. Bahnbetrieb.                                                          |
| Labelling UL/CSA                | zzz_xx                                                                                                                     |
| Other                           | Connecting elements made of stainless<br>steel.                                                                            |
| Other                           | All attaching parts secured with Loctite.                                                                                  |
| Weight kg                       | 19,00                                                                                                                      |
| ErP Data                        | Efficiency $\eta_{statA}$ : 55,0 %<br>Efficiency grade: $N_{actual} = 62,4 / N_{target} = 62^*$<br>*ErP 2015               |

## 2. Characteristic Curve

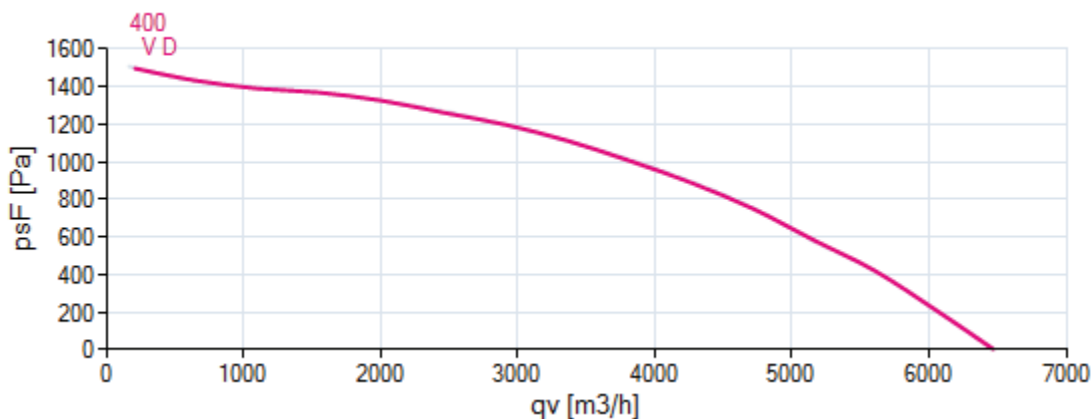
RH35C-PDD.6K.1R

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

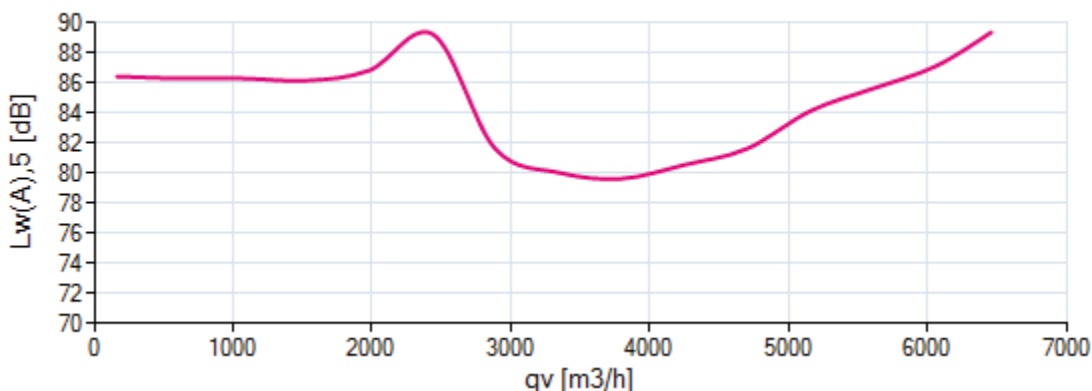
3~ 400V 50Hz D

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

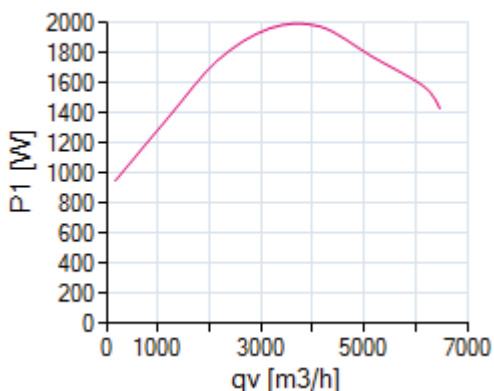
### Air performance



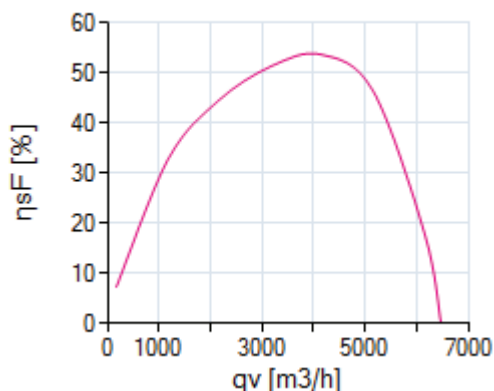
### Acoustics



### Power input



### Efficiency



Please note: It's not allowed to use this fan in the stall area!\*

, Q GRX EW S OH D V H DVN \ R X U% U H V S R Q Q H E F O R Q W, D F / W



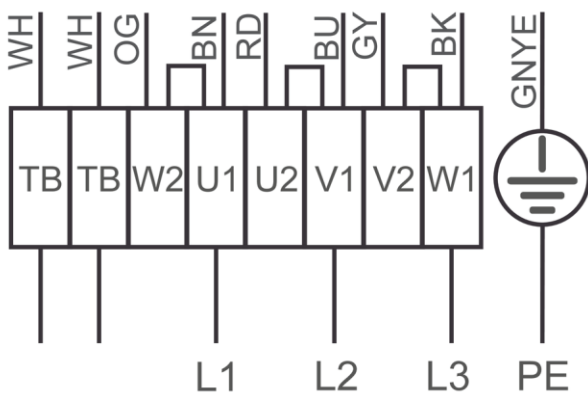
### 4. Connection diagram

#### 1360-108XA

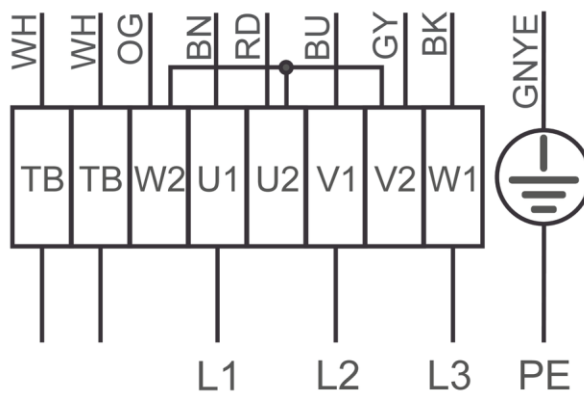
3~ motor, 2 speeds ( $\Delta/Y$  switch over) with thermostatic switch (if built in). Without bridge when using speed change-over switch.

BN brown  
BU blue  
BK black  
RD red  
GY grey  
OG orange  
WH white  
GNYE green-yellow

High speed/D-connection



Low speed/Y-connection





The Royal League in ventilation, **control** and drive technology

## Intelligent control technology for any application

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