

General Information

FISCHBACH

! Important information about product documentation ! Luft- und Ventilatorentechnik GmbH

FISCHBACH COMPACT FAN® - The silent one with the internally mounted **FISCHBACH DISC ROTOR MOTOR®**



or the **FISCHBACH EC DISC ROTOR MOTOR®**



incorporated many unique feature:

The FISCHBACH COMPACT FAN®:

- the result of a more than 50-year-experience.
- first in performance and operation as a result of continuous improvement research and developmen

Special feature:

- motor-protection class **IP 65** standard
- insulation class **F (T=155°)**
- **0-100% speed controllable by voltage** or by frequency converter
- thermal **overload protection** by integrated **thermal contact**
- high working temperature: **depending on type 40°C up to 100°C**
- **very compact construction** - internal motor
- vibration free by static/dynamic balance (up to grade **Q1**), according to **ISO 1940, part 1**

- mounting in every desired position
(for installation with vertical axis please contact our technical department)
- air volume up to **25.000 m³/h** with forward curved blades, **40.000 m³/h** with backward curved blades and pressure up to **3000 Pa** (at 50 Hz)
- steep pressure/volume performance characteristic
- the FISCHBACH (EC) DISC ROTOR MOTOR adjusts its power to the operating point pressure/air flow volume
- customer requirement - special motor voltage, -frequency, dimensions, etc.
- compact fan "superflat", single inlet with a **depth of 150 mm** up to **200 mm**

Preparation of the technical dokumentation

All measurements are carried out **in our own** laboratory according to standard **DIN 24163 (DIN EN ISO 5801)** precision class 2

(Our measurements are valid for the following conditions: clean air, atmospheric pressure 1013 hPa, temperature 20°C, relative air humidity 50%, altitude 300m above sea level)

operational value	limit deviation in precision class	
	2	3
air flow volume [m³/h]	±5%	±10%
pressure [Pa]	±5%	±10%
power input [W]	±8%	±16%
sound level dB	+4dB	+6dB

- fan test bench calibrated according to **ISO 9001**
- safety test in accordance **VDE 0700** resp. **0701**
- calibration certificate No. **14KA273**
- we check our technical dokumentations by additional measurements in independent laboratories like TÜV München, Institut ILK Dresden etc.

Important

Type-Description = Order No.

The fan description and size is indicated by the first part of the reference. The second part indicates the motor sizes and types, i.e. D 540/E25.

