

max. 980 m<sup>3</sup>/h  
**S-Force**

# DC centrifugal fans

Series RER 175 TD Ø 175 x 69 mm



- **Material:** Impeller: GRP<sup>1)</sup>
  - **Direction of air flow:** Axial: Intake  
Centrifugal: Exhaust
  - **Direction of rotation:** Clockwise, seen on rotor
  - **Connection:** Via single wires AWG 18, 20 or AWG 22, TR 64, speed signal and control input AWG 22
  - **Highlights:** 3-phase fan drive with very smooth running and high efficiency  
Backwards-curved impeller
  - **Mass:** 775 g
- Possible special versions:**  
(See chapter DC fans - specials)
- Speed signal
  - Go / No-go alarm
  - Alarm with limit speed
  - External temperature sensor
  - Internal temperature sensor
  - PWM control input
  - Analogue control input
  - Multi-option control input
  - Protection against moisture
  - Protection against salt fog
  - Type of protection: IP 54

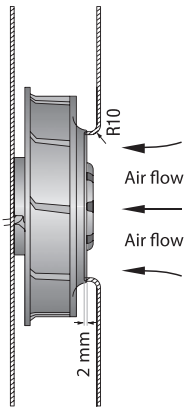
1) Fibreglass-reinforced plastic

Nominal data	Air flow		Nominal voltage	Voltage range		Sound power level	Sintec sleeve bearings Ball bearings	Input power	Nominal speed	Temperature range	Service life L <sub>10</sub> (40 °C) ebm-papst Standard	Service life L <sub>10</sub> (T <sub>max</sub> ) ebm-papst Standard	Life expectancy L <sub>10</sub> IPC (40 °C) see page 17	Curve
	m <sup>3</sup> /h	CFM		VDC	VDC									
RER 175-42/14/2 TDMLP	600	353	24	16...30	7,3	■	48	3 400	-20...+65		72 500 / 40 000	122 500	①	
RER 175-42/14/2 TDMP	865	509	24	16...36	8,2	■	110	4 800	-20...+65		70 000 / 40 000	117 500	②	
RER 175-42/18/2 TDMLP	600	353	48	36...57	7,3	■	46	3 400	-20...+65		72 500 / 40 000	122 500	①	
RER 175-42/18/2 TDMP*	865	509	48	36...72	8,2	■	110	4 800	-20...+65		70 000 / 40 000	117 500	②	
RER 175-42/18/2 TDP	980	577	48	36...72	8,5	■	166	5 400	-20...+65		60 000 / 32 500	102 500	③	

\* vorläufig

Subject to alterations

Speed control range from 800 rpm at 7 % PWM up to nominal speed at > 90 % PWM. Standstill at 0 % PWM, standstill if control cable is interrupted.



The air flow and noise level of the centrifugal fans without external housing depend on their individual installation conditions. The stated air flow and noise level were recorded under the following measurement parameters:  
Centrifugal fan mounted on a foundation plate 180 x 180 mm.  
Cover plate 180 x 180 mm, with an air inlet opening Ø 125,5 mm, arranged concentrically to the impeller.

