

max. 390 m<sup>3</sup>/h  
**S-Force**

# DC centrifugal fans

Series RER 120 TD Ø 120 x 54 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:** 430 g

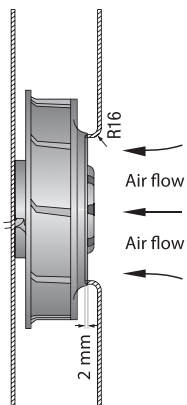
1) Fibreglass-reinforced plastic

- **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
  - Protection against moisture

Nominal data	Air flow		Nominal voltage	Voltage range	Sound power level	Sinter 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											
RER 120-26/14/2 TDMP*	320	188	24	16...32	tbd	■	51	5 200	-20...+60	60 000 / 37 500	102 500	①	
RER 120-26/14/2 TDP	377	222	24	16...32	8,2	■	78	6 100	-20...+60	55 000 / 35 000	92 500	②	
RER 120-26/18/2 TDMP*	320	188	48	36...60	tbd	■	51	5 200	-20...+60	57 500 / 35 000	97 500	①	
RER 120-26/18/2 TDP	390	230	48	36...60	8,3	■	92	6 300	-20...+60	50 000 / 30 000	85 000	③	

\* provisional  
Subject to alternations

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 specific service life is valid when an external capacitor is wired between the plus and minus wires.  
Please note the wiring suggestion.



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 140 x 140 mm.  
Cover plate 140 x 140 mm, with an air inlet opening Ø 94,4 mm, arranged concentrically to the fan impeller.

