max. 390 m³/h

S-Force

DC centrifugal fans

Series RER 120 TD Ø 120 x 54 mm

- **Material:** Impeller: GRP[1)]
- **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

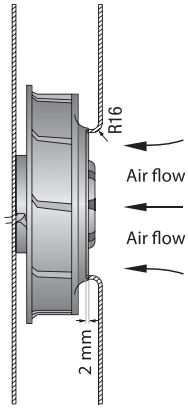
- **Possible special versions:**
  (See chapter DC fans - specials)
  - Speed signal
  - Go / No-go alarm
  - Alarm with limit speed
  - External temperature sensor
  - Internal temperature sensor
  - PWM control input
  - Analogue control input
  - Protection against moisture

Nominal data	Air flow	Air flow	Nominal voltage	Voltage range	Sound power level	Sintec sleeve bearings / Ball bearings	Input power	Nominal speed	Temperature range	Service life L_{10} (40 °C) ebm-papst Standard / Service life L_{10} (T_{max}) ebm-papst Standard	Life expectancy L_{10IPC} (40 °C) see page 17	Curve
Type	**m³/h**	**CFM**	**VDC**	**VDC**	**Bel(A)**	**□ / ■**	**Watts**	**rpm**	**°C**	**Hours**	**Hours**	
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.