

max. 390 m³/h

DC centrifugal fans

Series RER 120 TD 120 Ø x 54 mm



Highlights:

- 3-phase fan drive with high degree of running smoothness.
 - Very high pressure build-up.
 - Backward curved impeller.
 - Available as standard with PWM control input and speed signal.
- Additional inputs and outputs on request.

General characteristics:

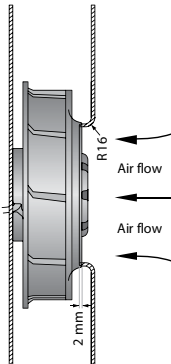
- Impeller of fibreglass-reinforced plastic.
- Fully integrated electronic commutation.
- Direction of rotation: CW seen on rotor.
- Direction of air flow: axial air intake, centrifugal air exhaust out of the outlet.
- Connection via single strands AWG 22, TR 64. Bared and tin-plated.
- Mass: 430 g.

Nominal data		Air flow	Air flow	Nominal voltage	Voltage range	Sound power level	Sintec sleeve bearings Ball bearings	Power input	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 _{10A} (40 °C, see P.15)	Curve	Specials
Type		m ³ /h	CFM	VDC	VDC	Bel(A)	□ / ■	Watts	RPM	°C	Hours	Hours	Hours		
NEW	RER 120-26/14/2 TDMP*	320	188,2	24	16...32	tbd	■	51	5 200	-20...+60	60 000 / 37 500	120 000	1		
NEW	RER 120-26/14/2 TDP	377	221,9	24	16...32	8,2	■	78	6 100	-20...+60	55 000 / 35 000	110 000	2		
NEW	RER 120-26/18/2 TDMP*	320	188,2	48	36...60	tbd	■	51	5 200	-20...+60	57 500 / 35 000	115 000	1		
NEW	RER 120-26/18/2 TDP	390	229,5	48	36...60	8,3	■	92	6 300	-20...+60	50 000 / 30 000	100 000	3		

*Preliminary

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

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



The air flow and noise level of fans without external housing depends on the installation conditions. The stated air flow and noise levels have been measured under the following conditions:
Centrifugal fan mounted on a base plate 140 x 140 mm.
Cover plate 140 x 140 mm with an air inlet of Ø96 mm, concentric to the impeller.

