max. 1280 m³/h

DC centrifugal fans

Series RER 220 TD 221 Ø x 71 mm



Highlights:

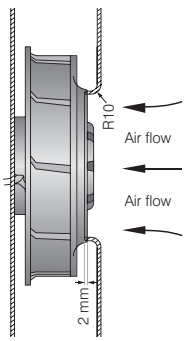
- 3-phase fan drive with high degree of running smoothness.
- Very high pressure build-up.
- Backward curved impeller.
- Standard models available with multifunctional control input for analogue, PWM and speed sign.

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 18, 20 or AWG 22, TR 64, speed signal and control input AWG 22, bared and tin-plated.
- Mass: 940 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_{10} (40 °C) see P. 15	Curve	Specials
	Type	m³/h	CFM	VDC	VDC	Bel(A)	□/■	Watts	RPM	°C	Hours		Hours		
NEW	RER 220-44/14/2TDM0	1090	641,2	**24**	16...36	7,7	■	82	3 000	-20...+55	75 000 / 52 500		150 000	1	
NEW	RER 220-44/18/2TDM0	1090	641,2	**48**	36...72	7,7	■	80	3 000	-20...+55	75 000 / 52 500		150 000	1	
NEW	RER 220-44/18/2TD0	1280	752,9	**48**	36...72	8,0	■	140	3 500	-20...+55	55 000 / 40 000		110 000	2	

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 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 230 x 230 mm.
Cover plate 230 x 230 mm with an air inlet of Ø 146 mm, concentric to the impeller.

