Max. 390 m³/h
S-Force

DC centrifugal fans
Ø 120 x 54 mm

- **Material:** Impeller: GRP[1]
- **Direction of air flow:** Axial: Intake, Centrifugal: Exhaust
- **Direction of rotation:** Clockwise, looking towards rotor
- **Connection:** via single wires AWG 18, 20 or AWG 22, TR 64. Speed signal and control input AWG 22
- **Highlights:** Highly efficient and smoothly operating 3-phase fan drive Backward-curved impeller
- **Weight:** 430 g

- **Possible special versions:** (See chapter DC fans - specials)
  - Speed signal
  - Go / NoGo alarm
  - Alarm with speed limit
  - External temperature sensor
  - Internal temperature sensor
  - PWM control input
  - Analog control input
  - Moisture protection

1) Fiberglass-reinforced plastic

Series RER 120 TD

Type	Air flow m³/h	Air flow cfm	Nominal voltage VDC	Voltage range VDC	Sound power level Bel(A)	Sintec sleeve bearings / Ball bearings □/■	Power consumption Watts	Nominal speed rpm⁻¹	Temperature range °C	Service life L_{10} (40 °C) ebm-papst standard / Service life L_{10} (T_{max}) ebm-papst standard Hours	Life expectancy L_{10IPC} (40 °C) see page 17 Hours	Curve
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

Subject to change

* On request

Speed control range from 800 rpm⁻¹ at 7% PWM up to nominal speed at > 90% PWM. Standstill at 0% PWM, maximum speed if control cable is interrupted.
The specific service life is valid when an external capacitor is wired between the positive and negative wires.
Please note the wiring suggestion.
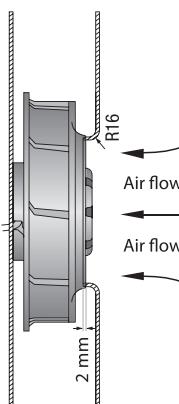
The air flow and sound level of the centrifugal fans without external housing depend on their individual installation conditions.
The stated air flow and sound level were recorded under the following measurement parameters:
Centrifugal fan mounted on a foundation plate 140 x 140 mm.
Cover plate 140 x 140 mm, with an air inlet opening Ø 94.4 mm, arranged concentrically to the impeller.
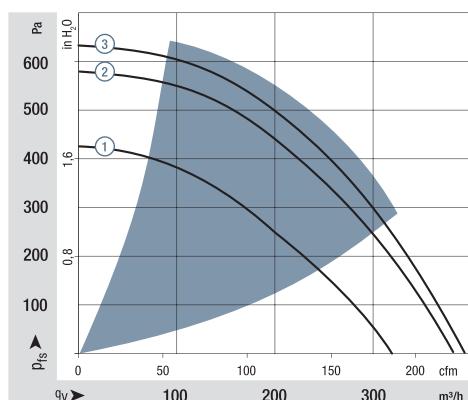
Air performance measured according to: ISO 5801. Installation category A, with ebm-papst inlet ring without contact protection.
Noise: Total sound power level L_WA ISO 103002 measured on a hemisphere with a distance of 2 m; Sound pressure level L_pA measured at 1 m distance from fan axis.
The values given are applicable only under the specified measuring conditions and may differ depending on the installation conditions.
In the event of deviation from the standard configuration, the parameters must be checked after installation!
For detailed information see
http://www.ebmpapst.com/general conditions
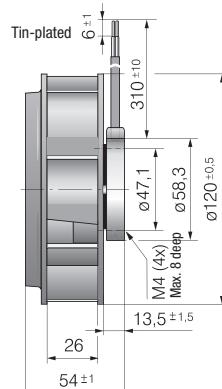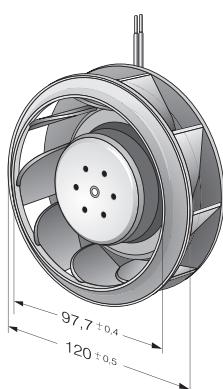
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