

Max. 1100 m<sup>3</sup>/h  
**S-Force**

# DC centrifugal fans – RadiCal

□ 270 x 99 mm



- **Material:** Scroll housing: GRP<sup>1)</sup>  
Impeller: GRP<sup>1)</sup>
- **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:** 1560 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
  - Humidity protection
  - Salt spray protection
  - Degree of protection: IP 54

1) Fiberglass-reinforced plastic

Series RG 220 TD

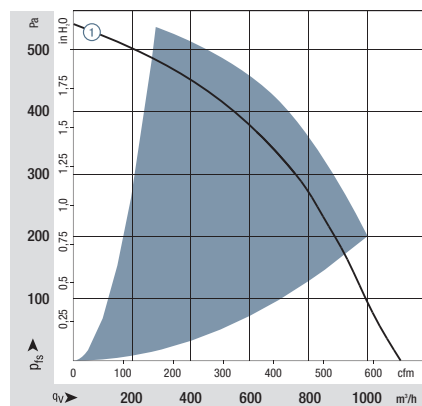
Nominal data

Type	Air flow		Nominal voltage	Voltage range		Sound power level	Sintec sleeve bearings Ball bearings	Power consumption	Nominal speed	Temperature range	Service life L <sub>10</sub> (40 °C) ebm-papst standard	Service life L <sub>10</sub> (T max) ebm-papst standard	Life expectancy L <sub>10</sub> (IPC (40 °C) see page 17	Curve
	m <sup>3</sup> /h	cfm		VDC	VDC									
RG 220-43/14/2 TDMO	1100	647	24	16...36	7.5	■	101	3 000	-20...+55	55 000 / 40 000	92 500	①		
RG 220-43/18/2 TDMO*	1100	647	48	36...72	7.5	■	101	3 000	-20...+55	55 000 / 40 000	92 500	①		

Subject to change

\* On request

Speed control range from 800 rpm<sup>-1</sup> at 7% PWM up to nominal speed at > 90% PWM.  
Standstill at 0% PWM, Standstill if control cable is interrupted.  
Further types available on request.



Air performance measured according to: ISO 5801.  
Installation category A, without contact protection.  
Noise: Total sound power level L<sub>WA</sub> ISO 103002  
measured on a hemisphere with a radius of 2 m.  
Sound pressure level L<sub>pA</sub> 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>

