

Max. 1450 m<sup>3</sup>/h

**S-Force**

# DC centrifugal fans – RadiCal

□ 270 x 119 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 RadiCal impeller
  - **Weight:** 1750 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 225 TD

Nominal data

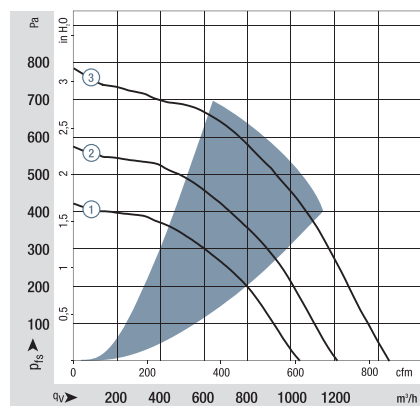
Type	Air flow		Nominal voltage	Voltage range		Sound power level	Sintec sleeve bearings Ball bearings	Power consumption	Nominal speed	Temperature range	Service life L <sub>10</sub> (40 °C) ebm-papst standard	Service life L <sub>10</sub> (T <sub>max</sub> ) ebm-papst standard	Life expectancy L <sub>10</sub> IPC (40 °C) see page 17	Curve
	m <sup>3</sup> /h	cfm		VDC	VDC									
RG 225-55/14/2 TDMLO	1090	641	24	16...36	7.4	■	80	2 500	-20...+65	52 500 / 30 000	87 500	①		
RG 225-55/18/2 TDMLO*	1090	641	48	36...72	7.4	■	80	2 500	-20...+65	52 500 / 30 000	87 500	①		
RG 225-55/18/2 TDMO	1210	712	48	36...72	7.9	■	116	2 800	-20...+55	55 000 / 40 000	92 500	②		
RG 225-55/18/2 TDO	1450	853	48	36...60	8.1	■	192	3 300	-20...+40	30 000 / 30 000	50 000	③		

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.

The specific service life is valid when an external capacitor is wired between the positive and negative wires. Please note the wiring suggestion.



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](http://www.ebmpapst.com/general_conditions)

