

Max. 1450 m³/h
S-Force

DC centrifugal fans – RadiCal

□ 270 x 119 mm



- **Material:** Scroll housing: GRP¹⁾
Impeller: GRP¹⁾
- **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

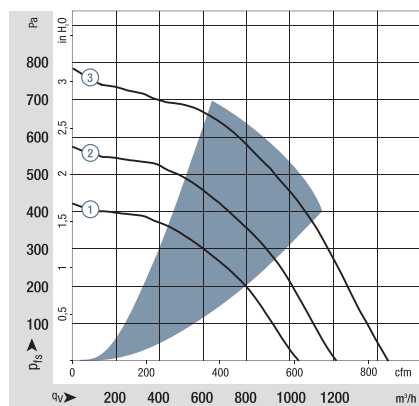
Series RG 225 TD

Nominal data	Air flow		Nominal voltage	Voltage range	Sound power level	Sinter sleeve bearings Ball bearings	Power consumption	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 IPC (40 °C) see page 17	Curve
	m³/h	cfm											
Type	m³/h	cfm	VDC	VDC	Bel(A)	■ / ■	Watts	rpm ⁻¹	°C	Hours	Hours	Hours	Curve
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

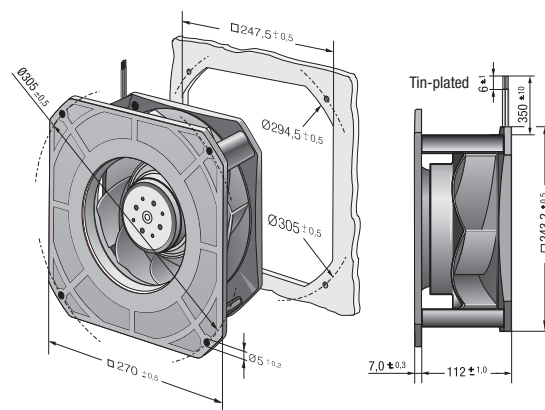
Subject to change

* On request

Speed control range from 800 rpm⁻¹ 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_{WA} ISO 103002 measured on a hemisphere with a radius 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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