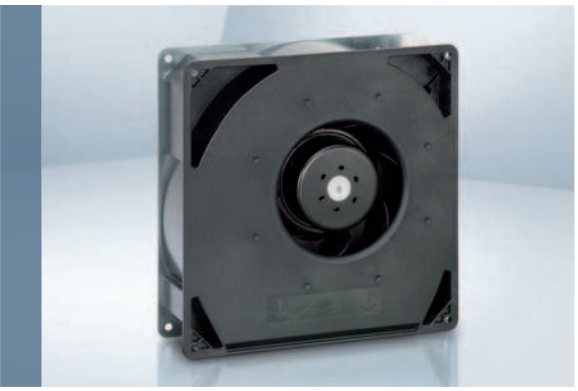
Max. 444 m³/h

DC centrifugal fans

☐ 220 x 56 mm



- **Material:** Scroll housing: GRP[1)]
  Impeller: GRP[1)]
  Base plate: Sheet steel
- **Direction of air flow:** Axial: Intake,
  Centrifugal: Exhaust
- **Connection:** Via single wires AWG 22, TR 64
  48 V model: Flat plug
  6.3 x 0.8 mm for ground conductor
- **Highlights:** Smoothly operating 3-phase fan drive
  Backward-curved impeller
- **Weight:** 1.4 kg

1) Fiberglass-reinforced plastic

- **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
  - Degree of protection: IP 54

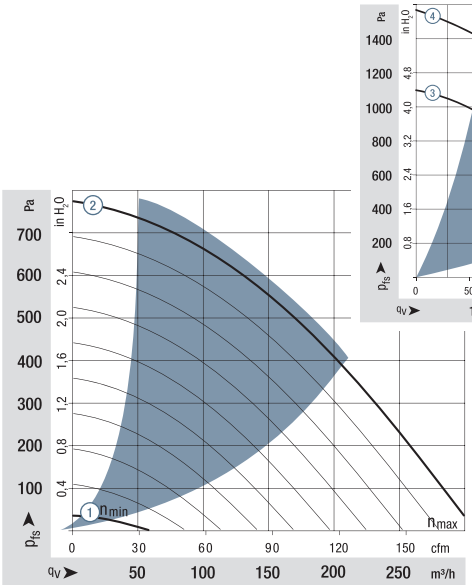
Series RG 160 NTD
VCS0160YULCS

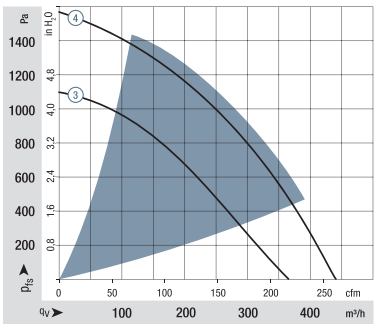
Nominal data

	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 15 Hours	Curve
Min.	RG 160-28/14 NTD...	59	34.7	**24**	16...28	—	■	2.0	800	-20...+60	55 000 / 35 000	92 500	①
Max.		308	181			7.5		64	4 200				②
	RG 160-28/14 NTD	308	181	**24**	16...28	7.5	■	64	4 200	-20...+60	55 000 / 35 000	92 500	②
	RG 160-28/14 NTDH	370	218	**24**	16...28	7.8	■	101	5 000	-20...+60	50 000 / 32 500	85 000	③
Min.	RG 160-28/18 NTD...	59	34.7	**48**	38...57	—	■	2.0	800	-20...+70	55 000 / 27 500	92 500	①
Max.		308	181			7.5		59	4 200				②
	RG 160-28/18 N/2 TDHHP*	444	261	**48**	36...60	8.5	■	159	6 000	-20...+65	40 000 / 22 500	67 500	④

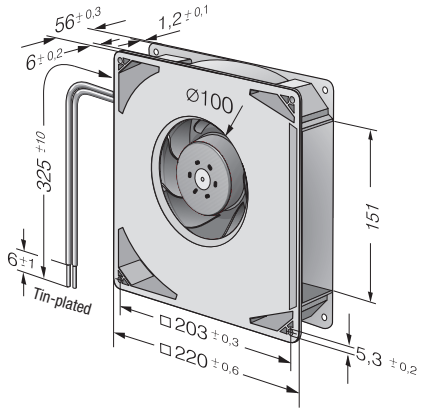
Subject to change

Models RG 160-28/14 NTD... and RG 160-28/18 NTD... are available in customer-specific, custom-developed variants only.
The figures indicated are technically feasible benchmark values.
The fans can be specially adapted to your application with signal outputs and control inputs.
*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 10302 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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