

max. 444 m³/h

DC centrifugal fans

Series RG 160 NTD 220 x 220 x 56 mm



- **Material:** Scroll housing: GRP¹⁾
Impeller: GRP¹⁾
Housing base: 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 protective earth
- **Highlights:** 3-phase fan drive with very smooth running
Backwards-curved impeller
- **Mass:** 1,4 kg

- **Possible special versions:**
(See chapter DC fans - specials)
 - Speed signal
 - Go / No-go alarm
 - Alarm with limit speed
 - External temperature sensor
 - Internal temperature sensor
 - PWM control input
 - Analogue control input
 - Protection against moisture
 - Type of protection: IP 54

¹⁾ Fibreglass-reinforced plastic

Nominal data		Air flow		Nominal voltage		Voltage range		Sound power level		Sinter sleeve bearings Ball bearings		Input power		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			
Type		m ³ /h	CFM	VDC	VDC	Bel(A)	□ / ■	Watts	rpm	°C	Hours	Hours	Hours	Hours	Hours	Hours	Hours	Hours	Hours	Hours	Hours	Hours	Hours	Hours	Hours	Hours	
min. max.	RG 160-28/14 NTD...	59	35	24	16...28	—	■	2,0	800	-20...+60	55 000 / 35 000	92 500	92 500	92 500	92 500	92 500	92 500	92 500	92 500	92 500	92 500	92 500	92 500	92 500	92 500	①	
		308	181			7,5	64,0	4 200	②																		
	RG 160-28/14 NTD	308	181	24	16...28	7,5	■	64,0	4 200	-20...+60	55 000 / 35 000	92 500	92 500	92 500	92 500	92 500	92 500	92 500	92 500	92 500	92 500	92 500	92 500	92 500	92 500	92 500	②
	RG 160-28/14 NTDH	370	218	24	16...28	7,8	■	101,0	5 000	-20...+60	50 000 / 32 500	85 000	85 000	85 000	85 000	85 000	85 000	85 000	85 000	85 000	85 000	85 000	85 000	85 000	85 000	85 000	③
min. max.	RG 160-28/18 NTD...	59	35	48	38...57	—	■	2,0	800	-20...+70	55 000 / 27 500	92 500	92 500	92 500	92 500	92 500	92 500	92 500	92 500	92 500	92 500	92 500	92 500	92 500	92 500	92 500	①
		308	181			7,5	59,0	4 200	②																		
	RG 160-28/18/2 N/2 TDHHP*	444	261	48	36...60	8,5	■	159	6 000	-20...+65	40 000 / 22 500	67 500	67 500	67 500	67 500	67 500	67 500	67 500	67 500	67 500	67 500	67 500	67 500	67 500	67 500	67 500	④

Subject to alternations

Models RG 160-28/14 NTD... and RG 160-28/18 NTD... are available in customer-specific, custom-developed variants only. The data specified here 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 plus and minus wires. Please note the wiring suggestion.

