

max. 925 m³/h

DC Diagonal Fans

W1G 180 Ø 200 x 70 mm



- Material: Die-cast aluminium wall ring, 5 plastic PA blades. Rotor galvanized.
- Polarity and locked rotor protection, soft start.
- Direction of air flow: "V", exhaust over struts. Rotational direction CCW looking at rotor.
- Type of protection: IP 20. Insulation class: "B".
- Maintenance-free ball bearings.
- Control input 0-10 V DC / PWM and tach output.
- Lateral cable exit.
- Continuous operation (S1).
- Mass: 1.8 kg.

Nominal Data	Air Flow		Nominal Voltage	Voltage Range	Noise	Sound Power	Sinter-Sleeve Bearings Ball Bearings	Power Input	Nominal Speed	Temperature Range	Service Life L ₁₀ (40 °C) ebm-papst Standard	Service Life L ₁₀ (T _{max}) ebm-papst Standard	Curve	Specials
	m ³ /h	CFM												
W1G 180-AB31-01	900	529.7	24	16...28	68	—	■	93.0	4 550	-25...+60	42 000 / 40 000		1	
W1G 180-AB47-01	925	544.4	48	36...57	69	—	■	100.0	4 600	-25...+60	42 000 / 40 000		1	

	n [min ⁻¹]	P ₁ [W]	η ₁₁ [%]	L _{DA} [dBA]
① 1'	5180	133	—	71
① 2'	4970	141	70	70
① 3'	4760	146	67	68
① 4'	5010	140	55	69
① 5'	4600	100	—	69
① 6'	4500	106	70	68
① 7'	4340	112	67	66
① 8'	4550	105	55	67
① 9'	3920	60	—	66
① 10'	3790	64	70	65
① 11'	3660	68	67	63
① 12'	3790	63	55	63

Connection leads:

- red = +
- blue = -
- yellow = control input PWM/Lin
- white = speed output

