

# EC Diagonal Fans

W1G 180 Ø 200 x70 mm



- Fan housing of die-cast aluminium GDAISi.
- Impeller of plastic PA 6.6.
- Polarity and locked-rotor protection, soft start.
- Blowing over struts. Rotational direction CCW looking at rotor.
- Mass 1800 g.

ebm-papst • Muldingen

Nominal Data	Air Flow	Air Flow	Nominal Voltage	Voltage Range	Noise	Sleeve Bearings Ball Bearings	Power Input	Nominal Speed	Temperature Range	Service Life L <sub>10</sub> at 40 °C	at t <sub>max</sub>	Diagram	Specials
Type	m <sup>3</sup> /h	CFM	V DC	V DC	dB(A)	Bel	Watt	min <sup>-1</sup>	°C	Hours	Hours	P.	
W1G 180-AB31-01	900	529.7	24	16...28	68	—	93.0	4550	-20...+60	42 000 / 40 000	1		
W1G 180-AB47-01	925	544.4	48	36...57	69	—	100.0	4600	-20...+60	42 000 / 40 000	1		

	n [min <sup>-1</sup> ]	P <sub>I</sub> [W]	η [%]	L <sub>Dx</sub> [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 1	4600	100	—	69
① 2	4500	106	70	68
① 3	4340	112	67	66
① 4	4550	105	55	67
① 5	3920	60	—	66
① 6	3790	64	70	65
① 7	3660	68	67	63
① 8	3790	63	55	63

Connection leads:

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

