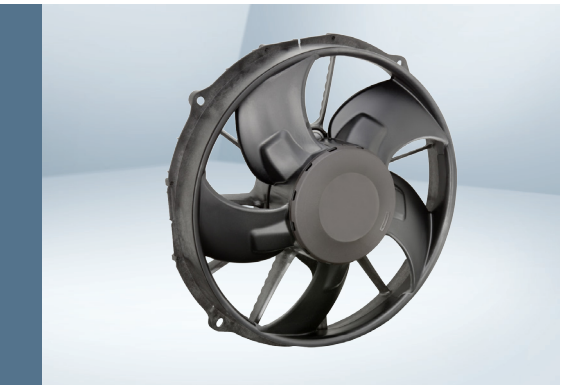
EC axial fans

Automotive series W1G300, Ø 300 x 91mm



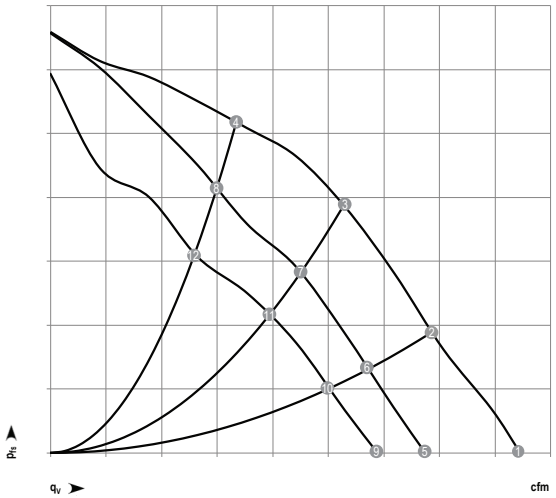
Highlights:
– Load Dump (58V)
– Locked rotor protection
– Over-temperature protected electronics
– Soft start, motor current limit
– Over-voltage detection; Line under-voltage detection
– Over 70°C with power derating
Material: Impeller: PA plastic
Electronic housing: Die-cast aluminum
Mounting position: Any
Condensate discharge holes: None, open rotor
Direction of rotation: Clockwise, seen on rotor

Nominal Data

Type	Motor	Air flow	Voltage	Voltage range	Power input (1)	Speed (1)	Current draw (1)	Temperature range (1)	Mass	Sealed ball bearings	Direction of air flow (intake)	Ingress protection rating (motor)	Ingress protection rating (electronics)
		CFM	VDC	VDC	Watts	RPM	A	°C	lbs		rotor		
W1G300-EC24-03	M1G074-CF	1691	26	18...32	255	3080	9.8	-40...70/85C	5.72	Yes	V	IP 24 KM	IP 6K 9K

(1) Nominal data at free air.

Curves



Measurement: LU-159644
Measurement: LU-159645
Measurement: LU-159646

Air performance measured as per: ISO 5801, Installation category A, without protection against accidental contact.

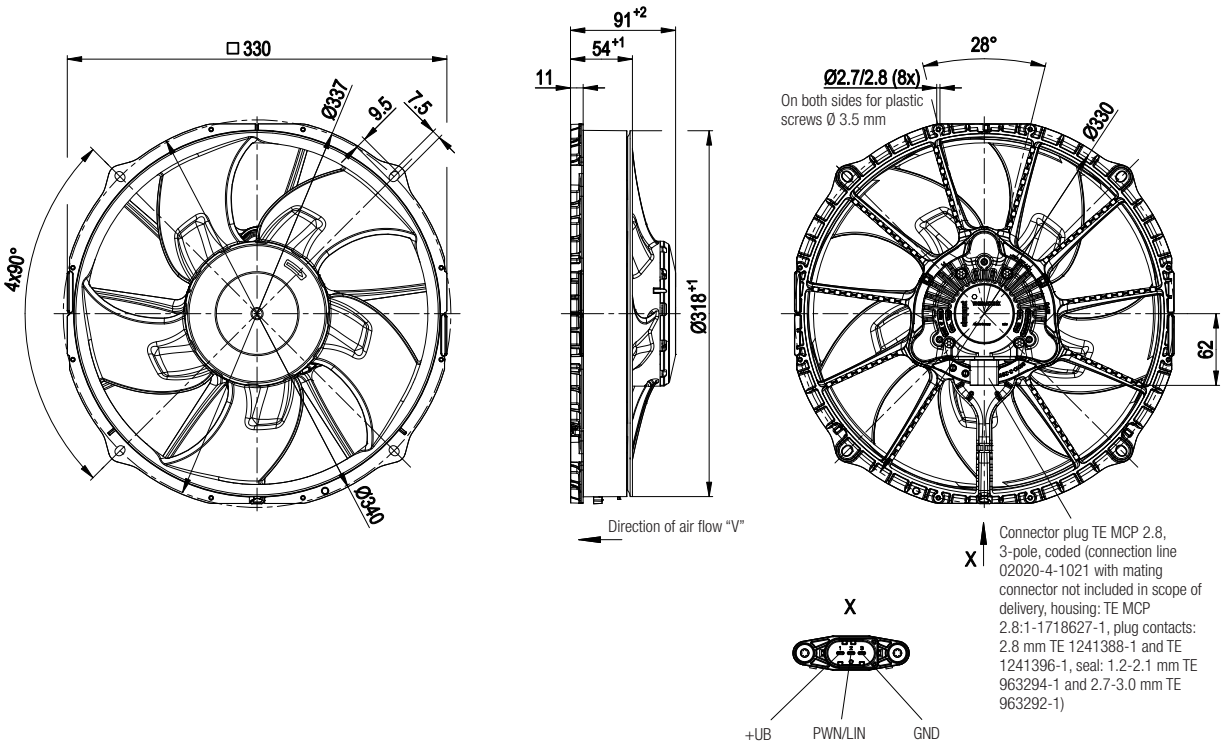
Suction-side noise levels: L_{WA} as per ISO 13347, L_{pA} measured at 1m distance to fan axis.

The values given are valid under the measuring conditions mentioned and may vary accoring to the actual installation situation.

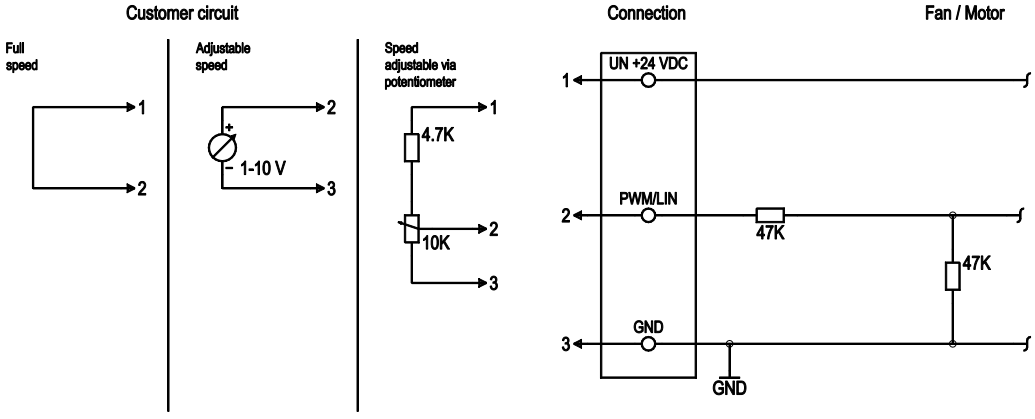
With any deviation to the standard set-up, the specific values have to be checked and reviewed once installed or fitted.

For detailed information on the measuring set-up, please contact ebm-papst.

	n	Pe	I	$L_{pA_{in}}$	$L_{WA_{in}}$
	rpm	W	A	dB(A)	dB(A)
1	3080	255	9.80	74	82
2	2960	253	9.80	74	83
3	2905	252	9.80	75	83
4	2780	247	9.70	76	84
5	2490	129	5.16	69	76
6	2485	146	5.93	70	78
7	2490	156	6.39	71	79
8	2485	174	7.27	72	81
9	2190	89	3.51	66	73
10	2185	100	3.95	66	74
11	2190	106	4.20	68	76
12	2190	115	4.58	69	77



Connection screen



No.	Conn.	Designation	Function / assignment
1	1	UN +24 VDC	Power supply 24 VDC, maximum ripple 3.5 %
2	2	PWM/LIN	Analogue voltage control input 0-10 V or PWM
3	3	GND	Reference ground