

R1G225-AF79-24

EC centrifugal fan

backward curved, single inlet

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Nominal data

Type	R1G225-AF79-24	
Motor	M1G074-BF	
Nominal voltage	VDC	14
Nominal voltage range	VDC	8 .. 16
Type of data definition		fa
Speed (rpm)	min ⁻¹	2500
Power input	W	95
Current draw	A	7.2
Min. ambient temperature	°C	-25
Max. ambient temperature	°C	60

ml = Max. load · me = Max. efficiency · fa = Running at free air · cs = Customer specs · cu = Customer unit
Subject to alterations



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Technical features

Mass	1.7 kg
Size	225 mm
Surface of rotor	Coated in black
Material of impeller	Plastic PA, round sheet-metal plate coated in black
Number of blades	7
Stability	Salt fog resistant in accordance with TELCORDIA GR-487-CORE, release No. 2, March 2000
Direction of rotation	Clockwise, seen on rotor
Type of protection	IP 44
Insulation class	"B"
Humidity (F)/environmental protection class (H)	F5
Max. permissible ambient motor temp. (transp./ storage)	+70 °C
Min. permissible ambient motor temp. (transp./storage)	-40 °C
Mounting position	Any
Condensate discharge holes	Rotor-side
Operation mode	S1
Motor bearing	Ball bearing with anti-freezing grease
Technical features	- Motor current limit - Control input 0-10 VDC / PWM
Electrical leads	With plug
Motor protection	Reverse polarity and locked-rotor protection
Cable exit	Variable
Product conforming to standard	EN 60950-1
Approval	CSA C22.2 No.77; UL 1004-1



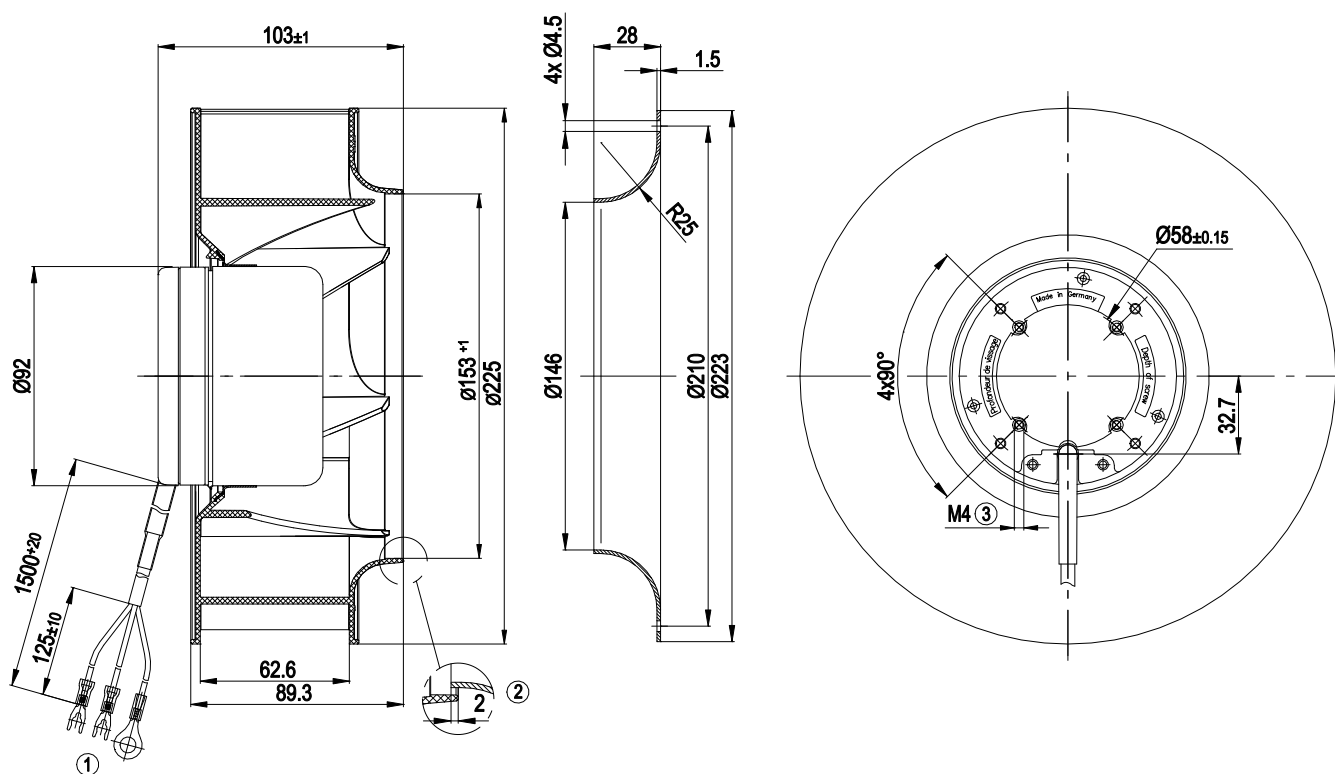
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Product drawing



- | | |
|---|---|
| 1 | Connection line AWG18, 1 x contact stud (AMP 2-34150-1), 2 x forked fitting (AMP 53241-2) crimped |
| 2 | Accessory part: Inlet nozzle 96358-2-4013, not included in the standard scope of delivery |
| 3 | Depth of screw max. 6 mm |



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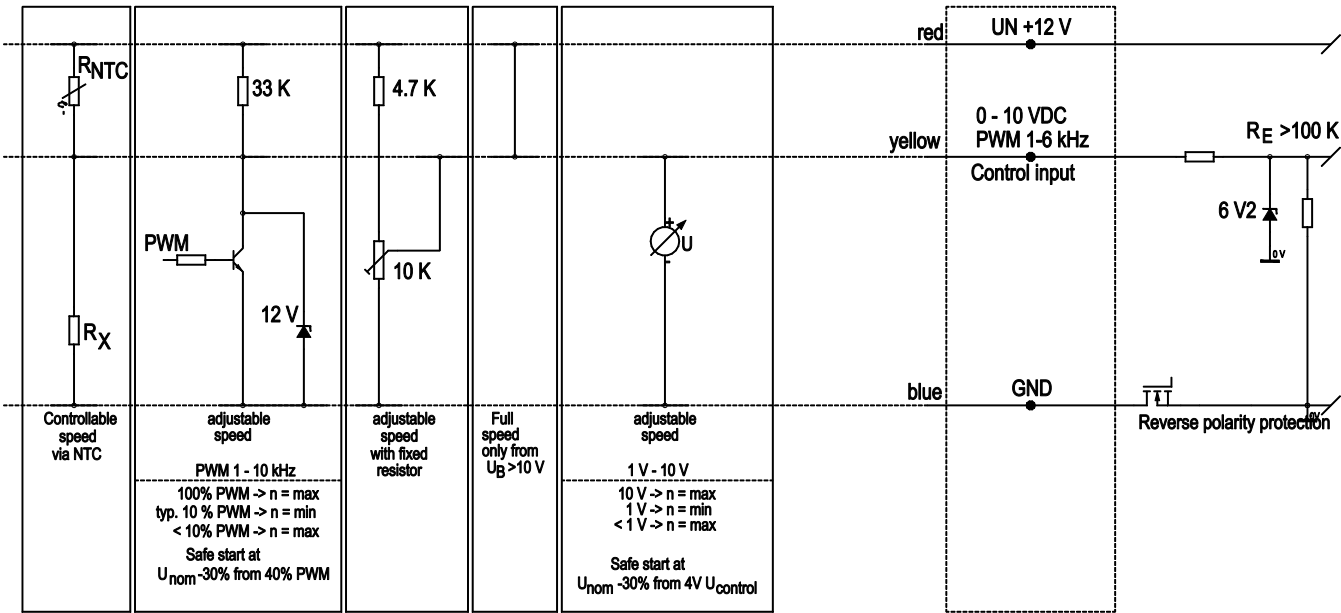
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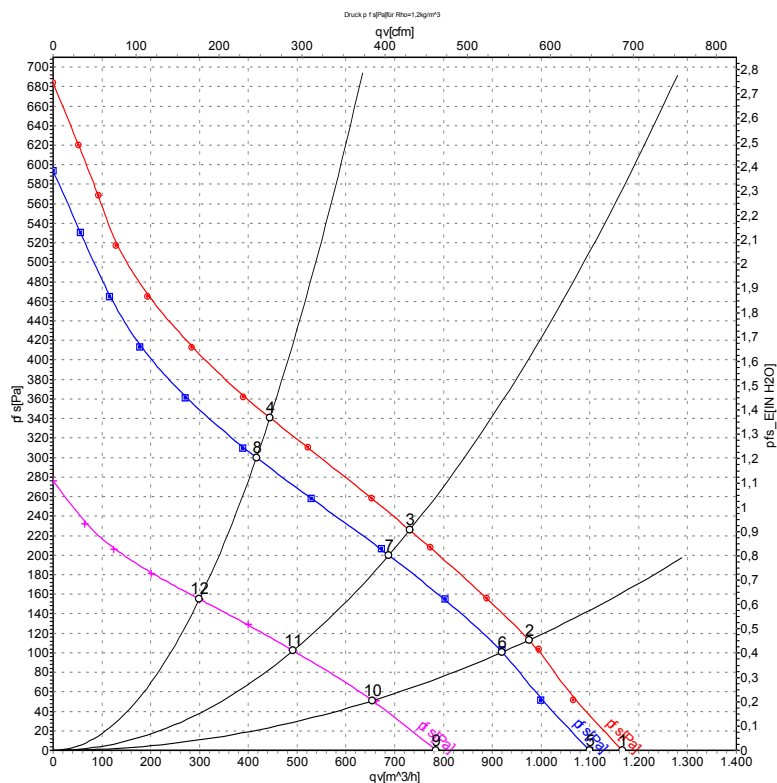
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Connection screen

Customer circuit
Notes on various control possibilities and their applications



Charts: Air flow



Measurement: LU-58984-1
 Measurement: LU-58983-1
 Measurement: LU-58985-1

Air performance measured as per ISO 5801
 Installation category A. For detailed
 information on the measuring set-up, please
 contact ebm-papst. Suction-side noise
 levels: L_{WA} measured as per ISO 13347 /
 L_{pA} measured with 1m distance to fan axis.
 The values given are valid under the
 measuring conditions mentioned above and
 may vary according to the actual installation
 situation. With any deviation from the
 standard set-up, the specific values have to
 be checked and reviewed with the unit
 installed.

Measured values

	U	n	P _{ed}	I	qv	p _{fs}	qv	p _{fs}
	V	min ⁻¹	W	A	m³/h	Pa	CFM	inH ₂ O
1	16	2655	114	7.78	1165	0	685	0.00
2	16	2575	115	7.99	975	114	575	0.46
3	16	2485	119	8.33	730	226	430	0.91
4	16	2530	117	8.15	445	341	260	1.37
5	14	2500	95	7.20	1100	0	645	0.00
6	14	2420	98	7.58	920	100	540	0.40
7	14	2335	99	7.79	690	200	405	0.80
8	14	2390	98	7.64	415	300	245	1.20
9	8	1775	36	4.97	785	0	460	0.00
10	8	1730	38	5.22	655	53	385	0.21
11	8	1680	40	5.42	490	102	290	0.41
12	8	1715	39	5.30	300	155	175	0.62

U = Supply voltage · n = Speed (rpm) · P_{ed} = Power input · I = Current draw · qv = Air flow · p_{fs} = Pressure increase