

EC centrifugal blowers and fans

single inlet, Ø 85



- **Material:** scroll housing made of die-cast aluminium, impeller made of galvanised sheet steel
- **Technical features:** control input 0-10 VDC / PWM, tach output
- **Direction of rotation:** clockwise, seen on rotor
- **Type of protection:** IP 20
- **Mounting position:** at will

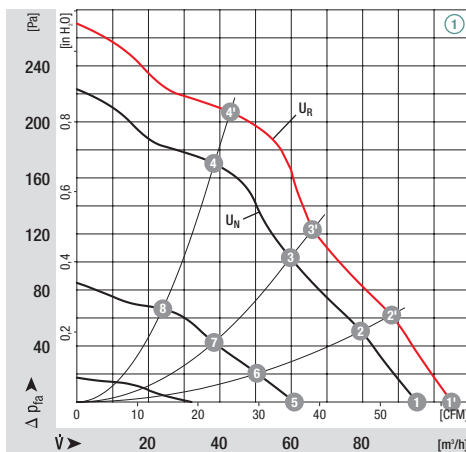
ebm-papst • Mulfingen

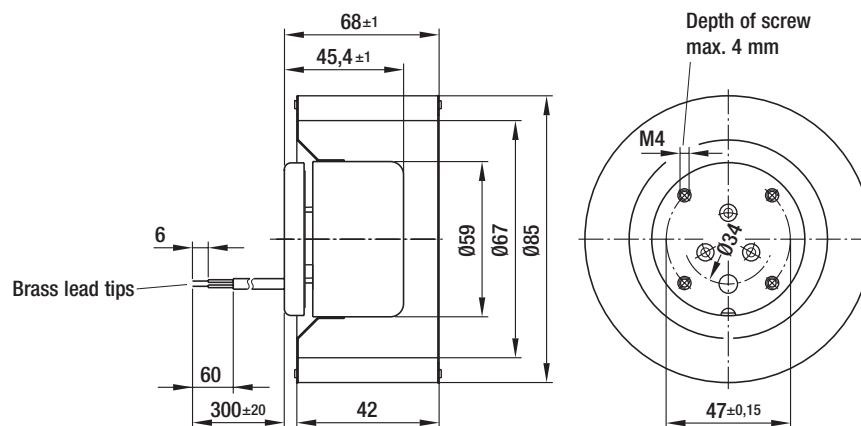
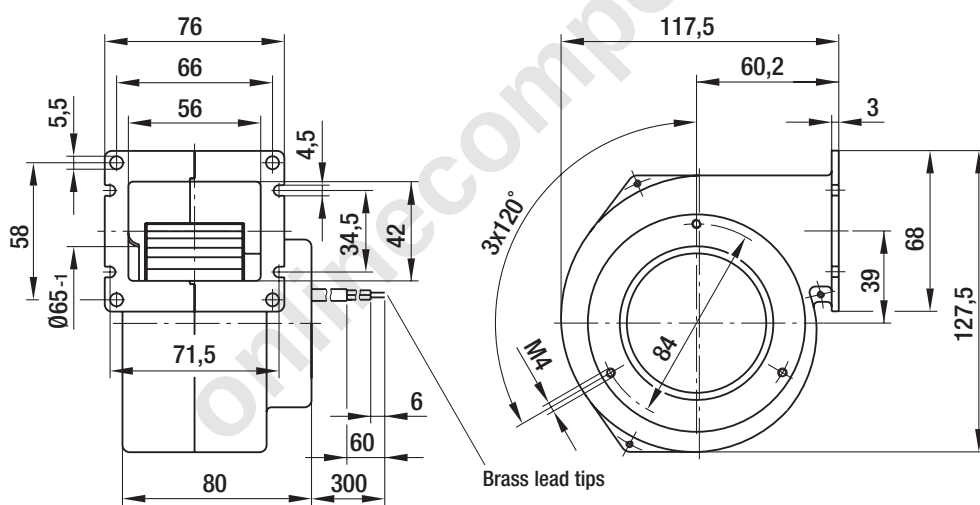
Nominal data		Characteristic	Voltage	Voltage range	Air flow	Speed/rpm	Power input	Current draw	Sound pressure level	Min. back pressure	Perm. amb. temp.	Mass
Type	Motor		VDC	VDC	m³/h	min⁻¹	W	A	dB(A)	Pa	°C	kg
G1G 085-AB05 -01 R1G 085-AB05 -01	M1G045-BE	①	24	16-28	95	2850	14	0,64	57	0	60	0,8 0,5
G1G 085-AB07 -01 R1G 085-AB07 -01	M1G045-BE	①	48	36-57	95	2850	14	0,32	57	0	60	0,8 0,5

subject to alterations

	n [min⁻¹]	P _I [W]	η _{HL} [%]	Lp _A [dBA]		n [min⁻¹]	P _I [W]	η _{HL} [%]	Lp _A [dBA]
① ①	3180	19	---	59	① ⑤	1890	5	---	46
① ②	3300	16	28	57	① ⑥	1970	4	25	44
① ③	3500	15	32	57	① ⑦	2070	4	30	44
① ④	3800	12	37	57	① ⑧	2170	3	33	42
① ①	2850	14	---	57					
① ②	3000	12	28	55					
① ③	3180	11	32	55					
① ④	3400	9	37	54					

Characteristics





EC centrifugal blowers and fans

single inlet, Ø 97

- **Material:** scroll housing and impeller made of galvanised sheet steel
- **Technical features:** control input 0-10 VDC / PWM, tach output
- **Direction of rotation:** clockwise, seen on rotor
- **Type of protection:** IP 20
- **Mounting position:** at will

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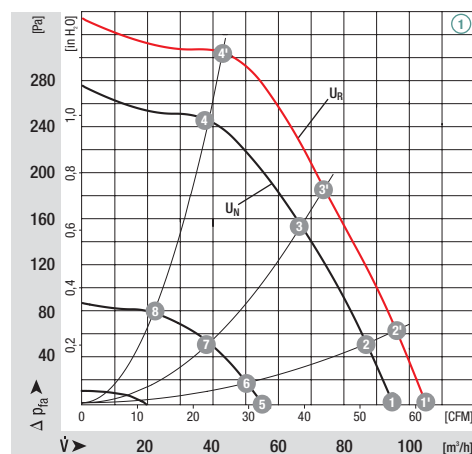
Nominal data

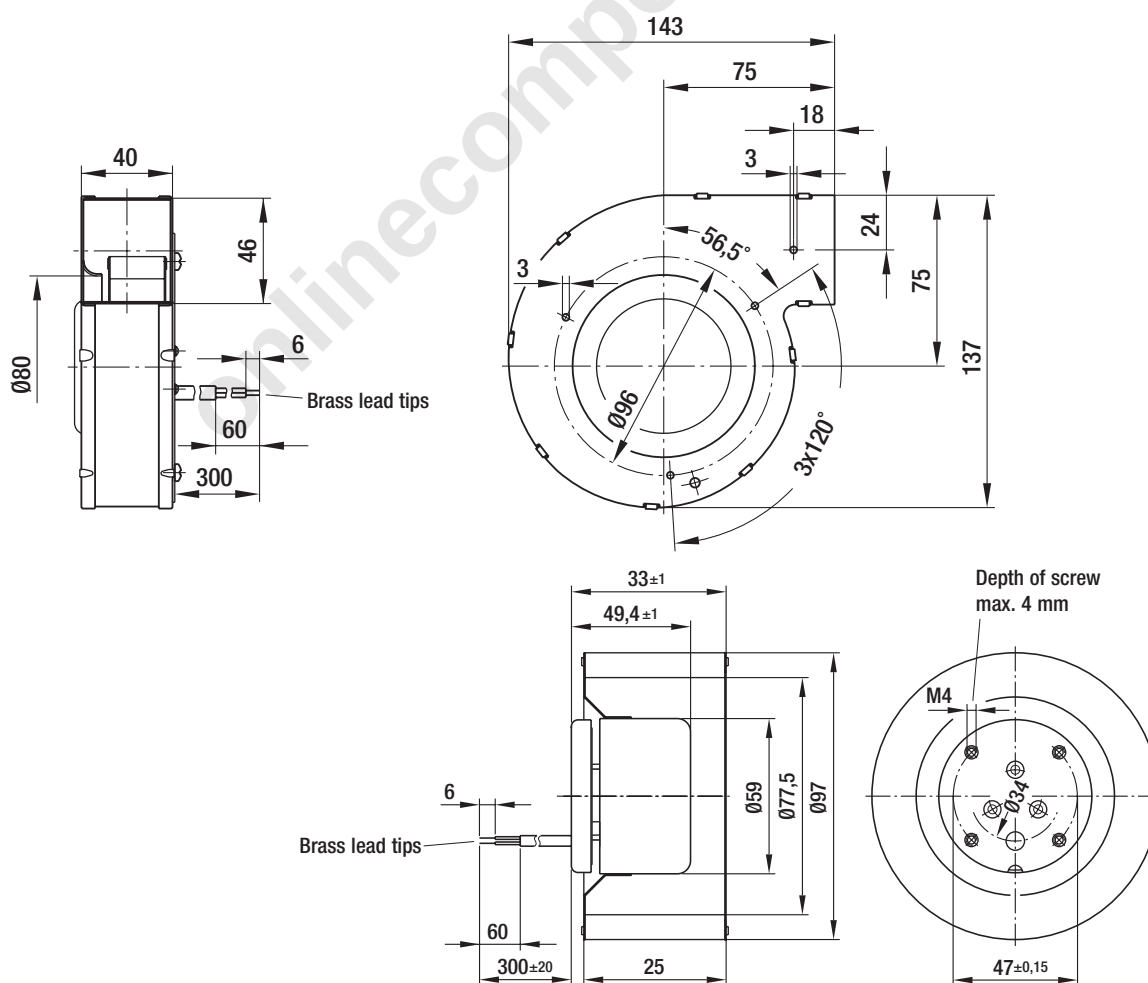
Type	Motor	Characteristic	Voltage	Voltage range	Air flow	Speed/rpm	Power input	Current draw	Sound pressure level	Min. back pressure	Perm. amb. temp.	Mass
			VDC	VDC	m³/h	min⁻¹	W	A	dB(A)	Pa	°C	kg
G1G 097-AA05 -01 R1G 097-AA05 -01	M1G045-BE	①	24	16-28	95	2650	16	0,75	59	0	60	0,8 0,5
G1G 097-AA07 -01 R1G 097-AA07 -01	M1G045-BE	①	48	36-57	95	2650	16	0,38	59	0	60	0,8 0,5

subject to alterations

	n [min⁻¹]	P _I [W]	η _{HL} [%]	Lp _A [dBA]		n [min⁻¹]	P _I [W]	η _{HL} [%]	Lp _A [dBA]
① ①	2920	22	---	62	① ⑤	1615	4	---	45
① ②	3030	21	41	61	① ⑥	1650	4	38	45
① ③	3300	17	48	59	① ⑦	1745	4	46	43
① ④	3700	13	48	58	① ⑧	1880	3	47	42
① ①	2650	16	---	59					
① ②	2730	15	41	58					
① ③	2960	13	48	56					
① ④	3290	10	48	55					

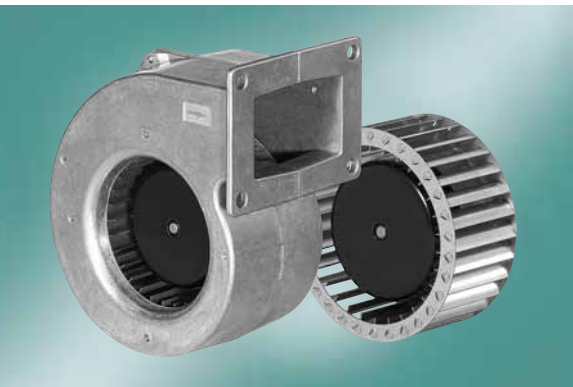
Characteristics





EC centrifugal blowers and fans

single inlet, Ø 108



- **Material:** scroll housing made of die-cast aluminium, impeller made of galvanised sheet steel
- **Technical features:** control input 0-10 VDC / PWM, tach output
- **Direction of rotation:** clockwise, seen on rotor
- **Type of protection:** IP 20
- **Mounting position:** at will
- **Approvals:** UL 1004, CSA C22.2 no. 100 tested with UL

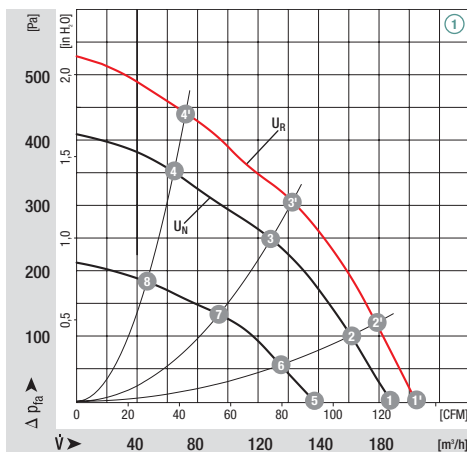
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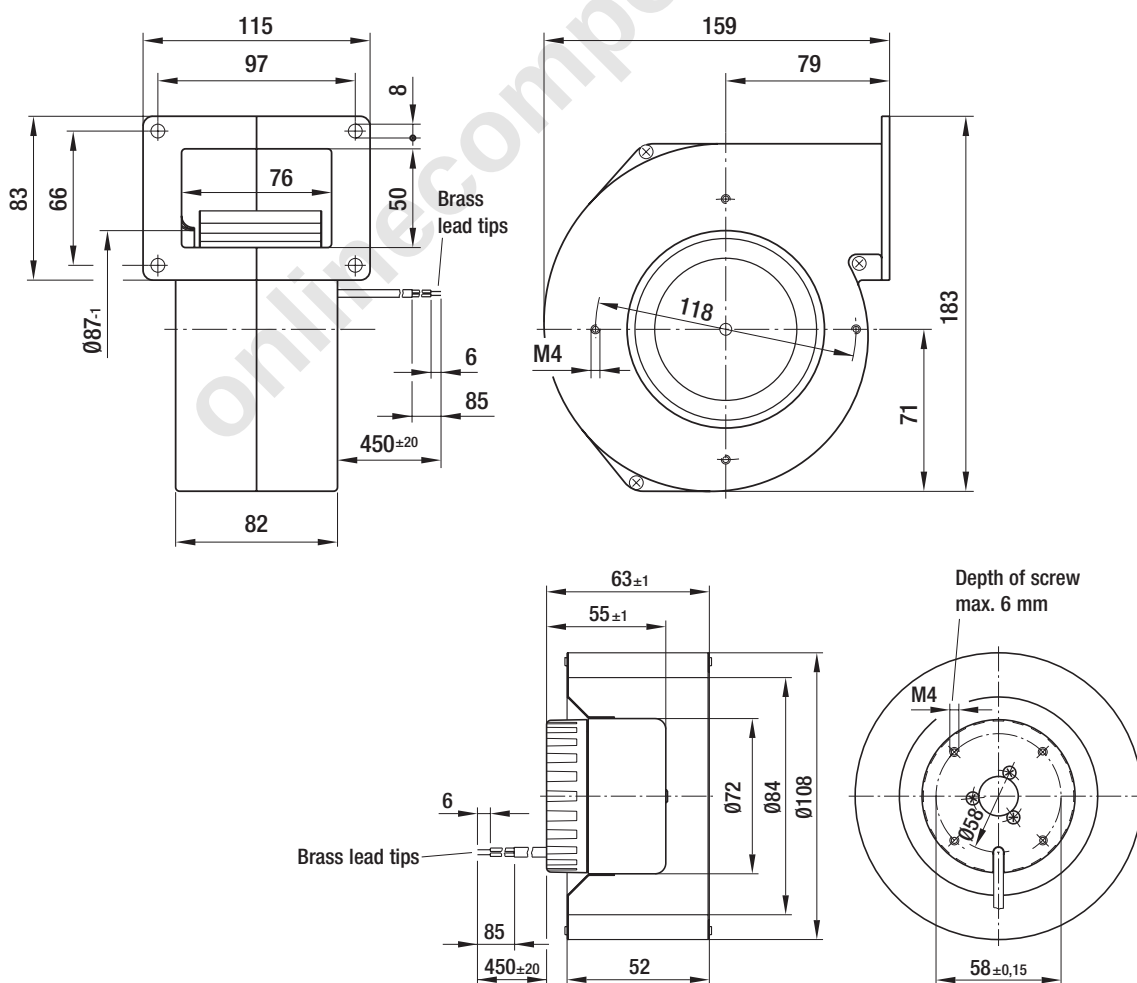
Nominal data		Characteristic	Voltage	Voltage range	Air flow	Speed/rpm	Power input	Current draw	Sound pressure level	Min. back pressure	Perm. amb. temp.	Mass
Type	Motor		VDC	VDC	m³/h	min⁻¹	W	A	dB(A)	Pa	°C	kg
G1G 108-AB17 -02 R1G 108-AB17 -02	M1G055-BD	①	24	16-28	200	3000	42	2,00	65	0	60	1,4 0,7
G1G 108-AB41 -02 R1G 108-AB41 -02	M1G055-BD	①	48	36-57	200	3000	42	1,00	65	0	60	1,4 0,7

subject to alterations

	n [min⁻¹]	P _I [W]	η _{HL} [%]	Lp _A [dBA]		n [min⁻¹]	P _I [W]	η _{HL} [%]	Lp _A [dBA]
① ①	3230	55	---	67	① ⑤	2300	20	---	61
① ②	3410	52	33	66	① ⑥	2380	17	33	58
① ③	3800	43	41	65	① ⑦	2550	14	41	55
① ④	4100	35	33	64	① ⑧	2720	11	33	55
① ①	3000	42	---	65					
① ②	3140	40	33	64					
① ③	3420	32	41	63					
① ④	3690	26	33	63					

Characteristics





EC centrifugal blowers and fans

single inlet, Ø 120



- **Material:** scroll housing made of die-cast aluminium, impeller made of galvanised sheet steel
- **Technical features:** control input 0-10 VDC / PWM, tach output
- **Direction of rotation:** clockwise, seen on rotor
- **Type of protection:** IP 20
- **Mounting position:** at will
- **Approvals:** UL 1004, CSA C22.2 no. 100 tested with UL

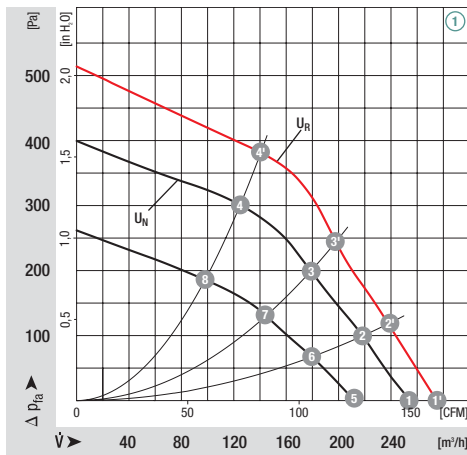
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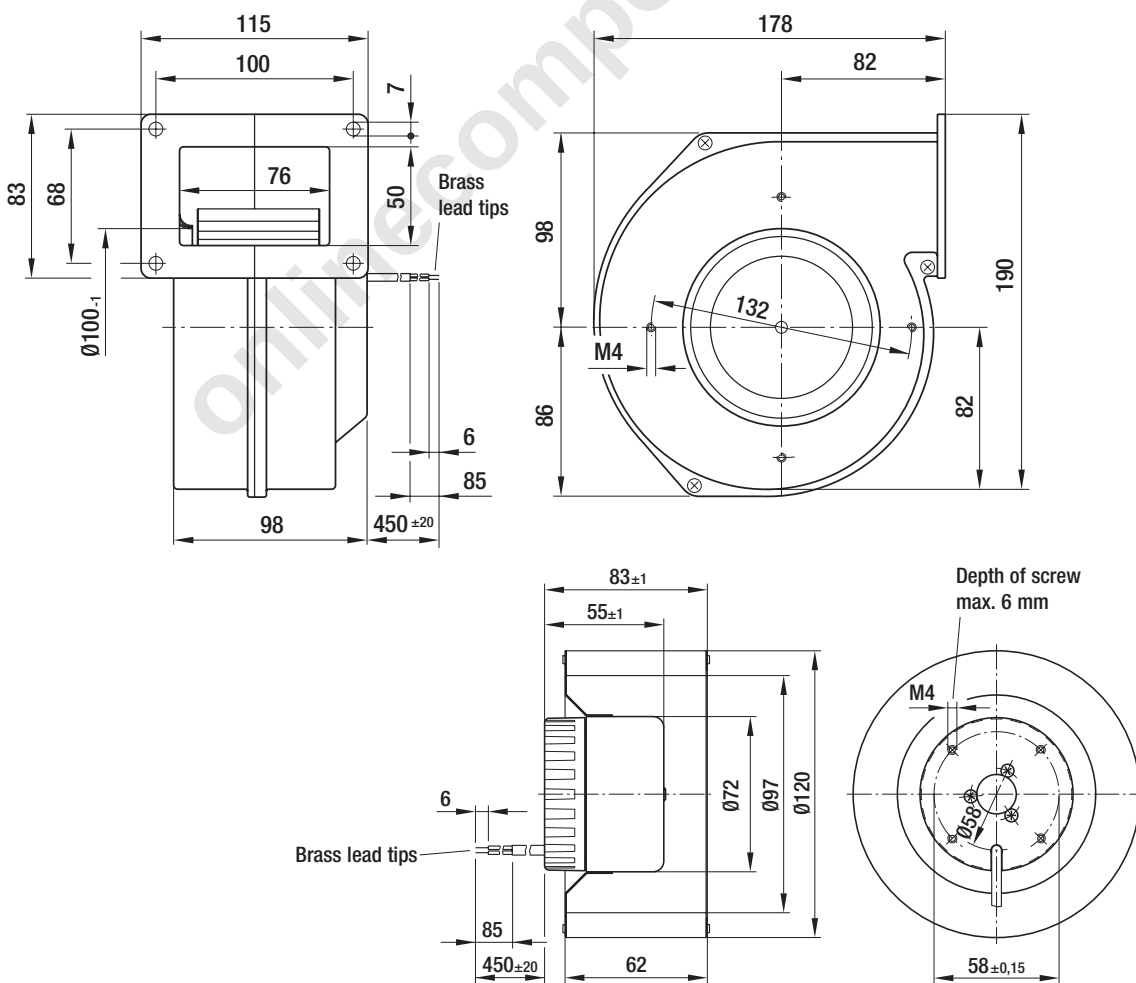
Nominal data		Characteristic	Voltage	Voltage range	Air flow	Speed/rpm	Power input	Current draw	Sound pressure level	Min. back pressure	Perm. amb. temp.	Mass
Type	Motor		VDC	VDC	m³/h	min⁻¹	W	A	dB(A)	Pa	°C	kg
G1G 120-AB67 -02 R1G 120-AB67 -02	M1G055-BD	①	24	16-28	255	2200	40	1,90	62	0	60	1,6 0,8
G1G 120-AB71 -02 R1G 120-AB71 -02	M1G055-BD	①	48	36-57	255	2200	40	0,95	62	0	60	1,6 0,8

subject to alterations

	n [min⁻¹]	P _I [W]	η _{HL} [%]	Lp _A [dBA]		n [min⁻¹]	P _I [W]	η _{HL} [%]	Lp _A [dBA]
① ①	2410	50	---	63	① ⑤	1870	24	---	55
① ②	2620	47	58	62	① ⑥	1990	21	58	54
① ③	2870	44	60	61	① ⑦	2100	18	61	53
① ④	3200	36	55	62	① ⑧	2310	14	54	54
① ①	2200	40	---	62					
① ②	2410	36	59	60					
① ③	2600	32	62	58					
① ④	2880	25	55	58					

Characteristics





EC centrifugal blowers and fans

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single inlet, Ø 133



- **Material:** scroll housing and impeller made of galvanised sheet steel
- **Technical features:** control input 0-10 VDC / PWM, tach output
- **Direction of rotation:** clockwise, seen on rotor
- **Type of protection:** IP 20
- **Mounting position:** at will
- **Approvals:** UL 1004, CSA C22.2 no. 100 tested with UL

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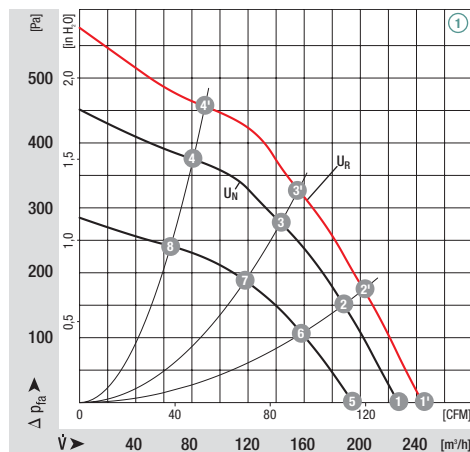
Nominal data

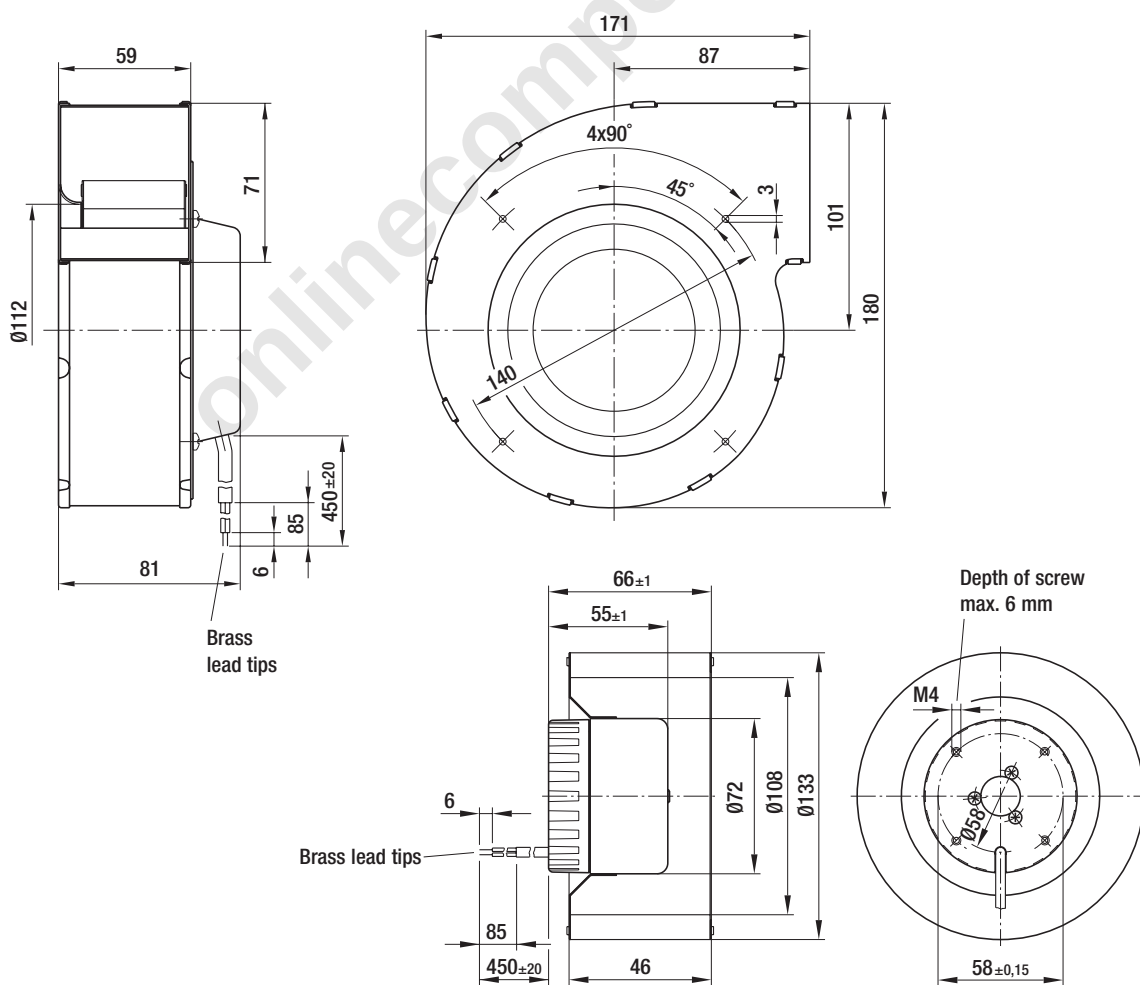
Type	Motor	Characteristic	Voltage	Voltage range	Air flow	Speed/rpm	Power input	Current draw	Sound pressure level	Min. back pressure	Perm. amb. temp.	Mass
			VDC	VDC	m³/h	min⁻¹	W	A	dB(A)	Pa	°C	kg
G1G 133-DE19 -02 R1G 133-AE19 -02	M1G055-BD	①	24	16-28	225	2000	40	2,20	64	0	60	1,3 0,7
G1G 133-DE03 -02 R1G 133-AE03 -02	M1G055-BD	①	48	36-57	225	2000	45	1,10	64	0	60	1,3 0,7

subject to alterations

	n [min⁻¹]	P _I [W]	η _{HL} [%]	Lp _A [dBA]		n [min⁻¹]	P _I [W]	η _{HL} [%]	Lp _A [dBA]
① ①	2170	57	---	66	① ⑤	1750	28	---	60
① ②	2410	51	47	66	① ⑥	1910	24	50	59
① ③	2750	44	49	64	① ⑦	2120	20	53	58
① ④	3200	36	32	66	① ⑧	2370	15	35	59
① ①	2000	45	---	64					
① ②	2230	40	49	64					
① ③	2540	35	51	62					
① ④	2920	27	33	63					

Characteristics





EC centrifugal blowers and fans

single inlet, Ø 140



- **Material:** scroll housing made of die-cast aluminium, impeller made of galvanised sheet steel
- **Technical features:** control input 0-10 VDC / PWM, tach output
- **Direction of rotation:** clockwise, seen on rotor
- **Type of protection:** IP 20
- **Mounting position:** at will
- **Approvals:** UL 1004, CSA C22.2 no. 100 tested with UL

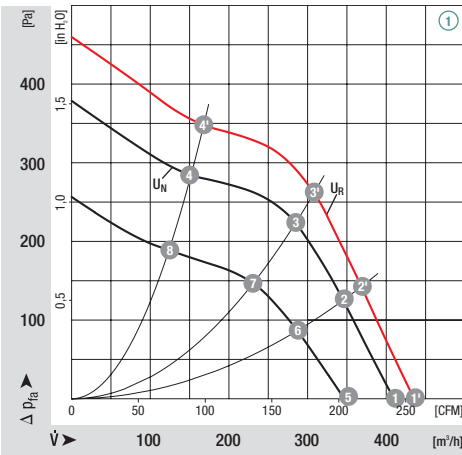
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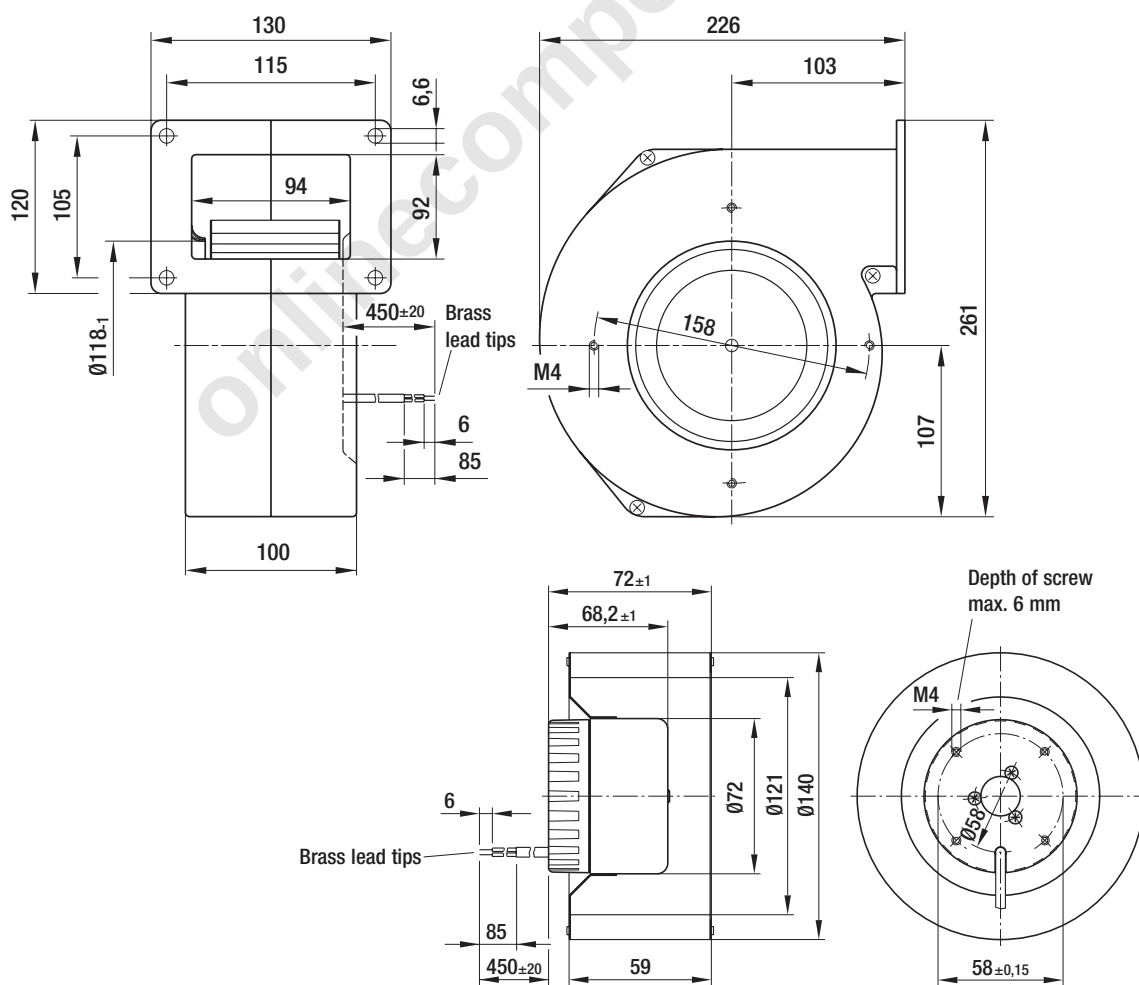
Nominal data		Characteristic	Voltage	Voltage range	Air flow	Speed/rpm	Power input	Current draw	Sound pressure level	Min. back pressure	Perm. amb. temp.	Mass
Type	Motor		VDC	VDC	m³/h	min⁻¹	W	A	dB(A)	Pa	°C	kg
G1G 140-AV17 -02 R1G 140-AV17 -02	M1G055-CF	①	24	16-28	400	1750	54	2,50	63	0	60	2,3 1,0
G1G 140-AV21 -02 R1G 140-AV21 -02	M1G055-CF	①	48	36-57	410	1750	54	1,30	63	0	60	2,3 1,0

subject to alterations

	n [min⁻¹]	P _I [W]	η _{HL} [%]	Lp _A [dBA]		n [min⁻¹]	P _I [W]	η _{HL} [%]	Lp _A [dBA]
① ①	1850	65	---	64	① ⑤	1500	34	---	60
① ②	2020	61	50	61	① ⑥	1580	29	50	56
① ③	2200	57	54	59	① ⑦	1670	25	53	54
① ④	2550	43	40	60	① ⑧	1880	19	41	53
① ①	1750	54	---	63					
① ②	1900	50	51	59					
① ③	2030	45	54	58					
① ④	2310	32	40	58					

Characteristics





EC centrifugal blowers and fans

single inlet, Ø 146



- **Material:** scroll housing made of die-cast aluminium, impeller made of galvanised sheet steel
- **Technical features:** control input 0-10 VDC / PWM, tach output
- **Direction of rotation:** clockwise, seen on rotor
- **Type of protection:** IP 42
- **Mounting position:** at will
- **Approvals:** UL, CSA
- **Performance curve:** determined at 24 VDC

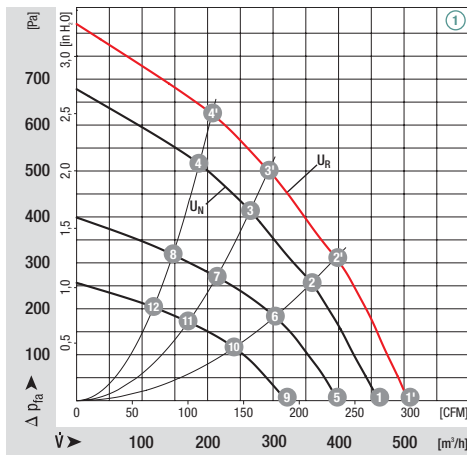
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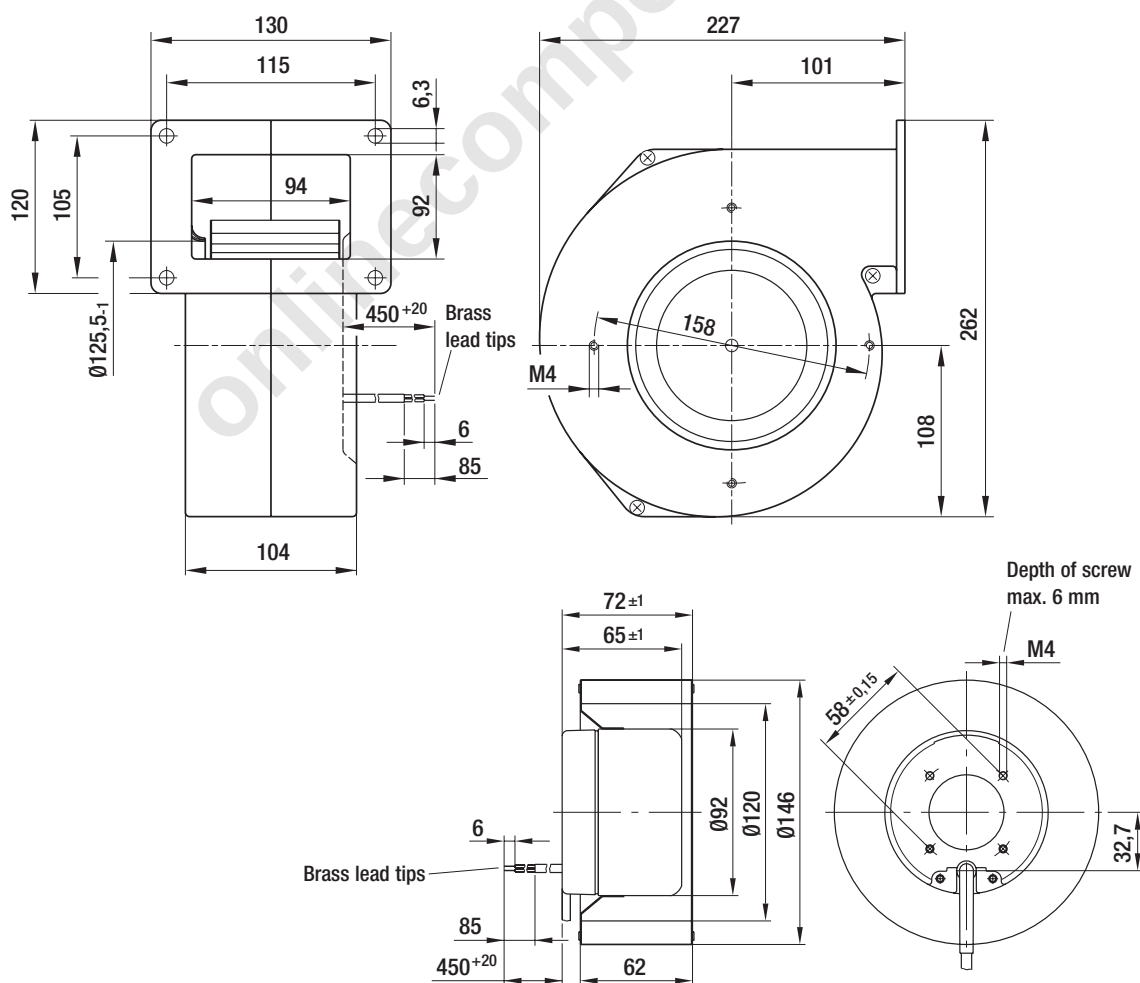
Nominal data		Characteristic	Voltage	Voltage range	Air flow	Speed/rpm	Power input	Current draw	Sound pressure level	Min. back pressure	Perm. amb. temp.	Mass
Type	Motor		VDC	VDC	m³/h	min⁻¹	W	A	dB(A)	Pa	°C	kg
G1G 146-BA07 -52 R1G 146-AA07 -52	M1G074-BF	①	24	16-28	470	2200	100	5,00	68	0	60	2,8 1,4
G1G 146-BA11 -52 R1G 146-AA11 -52	M1G074-BF	①	48	36-57	465	2150	100	2,60	67	0	60	2,8 1,4

subject to alterations

	n [min⁻¹]	P _I [W]	η _{HL} [%]	Lp _A [dBA]		n [min⁻¹]	P _I [W]	η _{HL} [%]	Lp _A [dBA]
① ①	2400	140	---	70	① ⑤	1890	68	---	63
① ②	2650	130	45	67	① ⑥	2075	57	46	60
① ③	3000	110	49	66	① ⑦	2250	48	49	61
① ④	3300	100	45	67	① ⑧	2335	41	45	61
① ①	2200	100	---	68	① ⑨	1520	37	---	59
① ②	2445	90	46	65	① ⑩	1670	32	46	55
① ③	2750	84	49	64	① ⑪	1815	27	49	55
① ④	3025	77	45	65	① ⑫	1920	23	45	55

Characteristics





EC centrifugal blowers and fans

single inlet, Ø 160

- **Material:** scroll housing made of die-cast aluminium, impeller made of galvanised sheet steel
- **Technical features:** control input 0-10 VDC / PWM, tach output
- **Direction of rotation:** clockwise, seen on rotor
- **Type of protection:** IP 42
- **Mounting position:** at will
- **Approvals:** UL, CSA

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Nominal data

Type	Motor	Characteristic	Voltage VDC	Voltage range VDC	Air flow m³/h	Speed/rpm min⁻¹	Power input W	Current draw A	Sound pressure level dB(A)	Min. back pressure Pa	Perm. amb. temp. °C	Mass kg
G1G 160-BH29 -52 R1G 160-AH29 -52	M1G074-BF	①	24	16-28	505	1750	105	5,80	67	0	60	2,8 1,4
G1G 160-BH39 -52 R1G 160-AH39 -52	M1G074-BF	①	48	36-57	505	1750	105	2,90	67	0	60	2,8 1,4

subject to alterations

	n [min⁻¹]	P _I [W]	η _{HL} [%]	Lp _A [dBA]		n [min⁻¹]	P _I [W]	η _{HL} [%]	Lp _A [dBA]
① 1'	1890	134	---	68	① 5	1580	72	---	62
① 2'	2200	118	52	67	① 6	1810	66	52	62
① 3'	2500	110	57	67	① 7	2000	58	57	62
① 4'	2900	102	52	69	① 8	2200	48	54	63
① 1	1750	105	---	67					
① 2	2030	95	52	66					
① 3	2270	90	57	65					
① 4	2550	81	44	67					

Characteristics

