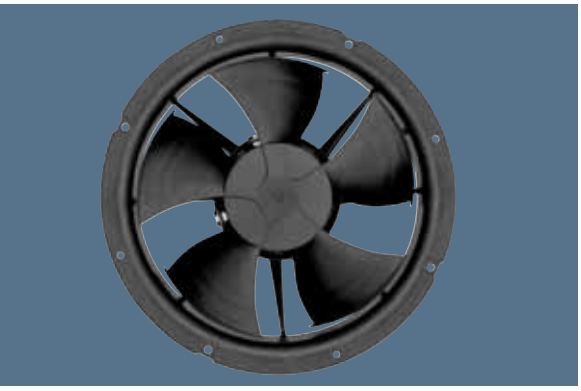
ErP2015 EXCEEDS THE NORM

Energy-saving axial fans

Ø 200



- **Material:** Wall ring: Ⓐ Plastic PP
  Ⓑ epylen
  Blade: Plastic PA, fibreglass-reinforced
- **Number of blades:** 5
- **Direction of air flow:** "V", exhaust over struts
- **Direction of rotation:** Counter-clockwise, seen on rotor
- **Type of protection:** IP 54
- **Insulation class:** "B"
- **Mounting position:** Any
- **Condensate discharges:** None
- **Mode of operation:** Con. operation (S1)
- **Bearings:** Maintenance-free ball bearings
- **Motor protection:** Via electronics and TOP
- **Electrical connection:** Plug-in connection on motor side
- **Protection class:** II
- **Product conforming to standard:** CE
- **Approvals:** VDE, UL, CSA, GOST
- **Speed:** Using the programming unit, 2 speeds between n_{min} and n_{max} can be programmed.

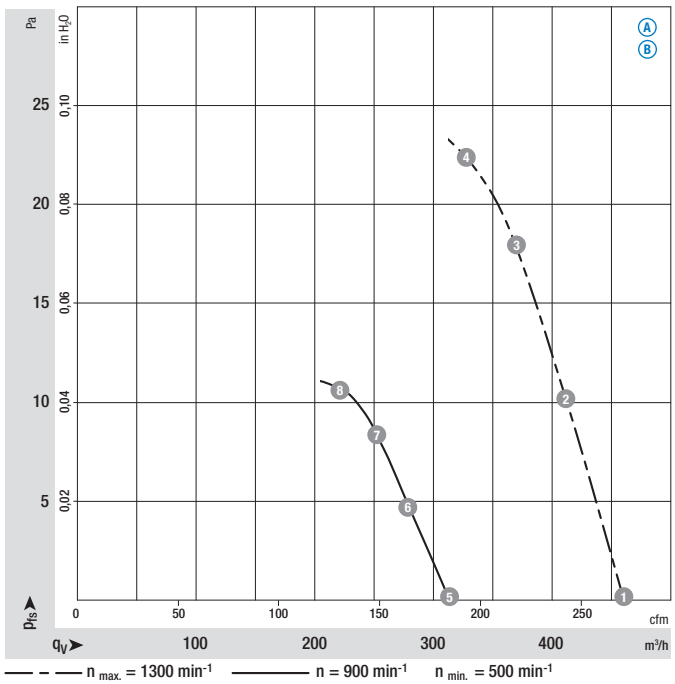
Nominal data

Type	Motor	Curve	Nominal voltage	Frequency	Speed/rpm(1)	Max. input power(1)	Max. current draw(1)	Max. back pressure	Perm. amb. temp.	Mass
			VAC	Hz	rpm	W	A	Pa	°C	kg
W1G200-EC91 -27	M1G055-BD	Ⓐ	1~ 115	50/60	1300	8,0	0,11	23	-30..+50	1,0
W1G200-EC87 -25	M1G055-BD	Ⓑ	1~ 230	50/60	1300	8,0	0,07	23	-30..+50	1,0

subject to alterations

(1) Nominal data in operating point with maximum load and 115 or 230 VAC

Curves



n max. = 1300 min⁻¹ n = 900 min⁻¹ n min. = 500 min⁻¹

Air performance measured as per: ISO 5801, Installation category A, in ebm-papst full nozzle and without protection against accidental contact

Suction-side noise levels: L_WA as per ISO 13347, L_pA measured at 1 m distance to fan axis

The acoustic values given are only valid under the measurment conditions listed and may vary depending on the installation situation.

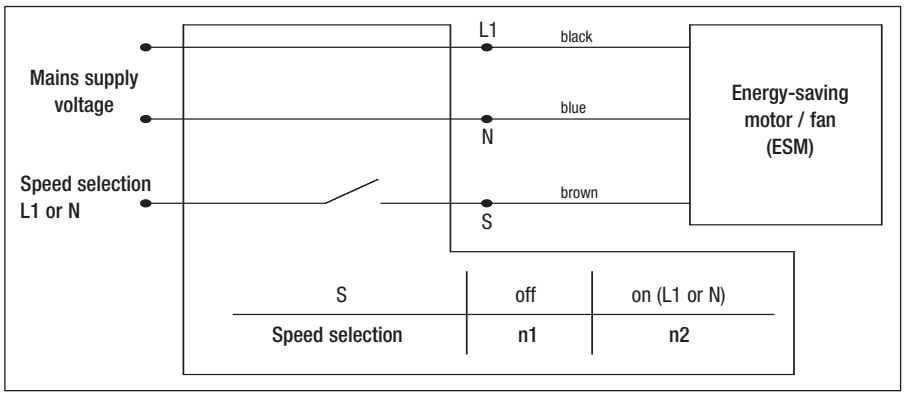
With any deviation to the standard setup, the specific values have to be checked and reviewed once installed or fitted!

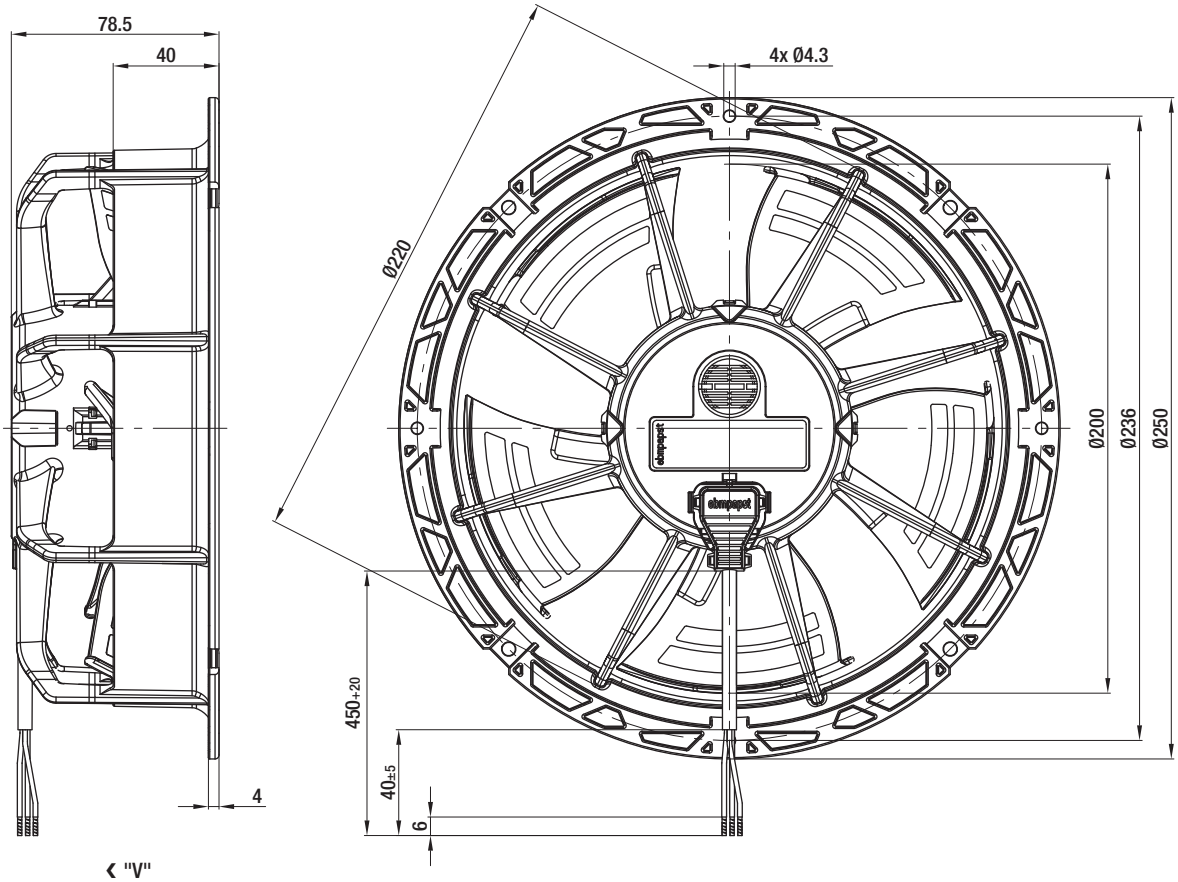
For detailed information see page 62 ff.

	n rpm	P_e W	I A	L_WA dB(A)
Ⓐ 1	1300	7	0,09	50
Ⓐ 2	1300	8	0,10	49
Ⓐ 3	1300	8	0,10	48
Ⓐ 4	1300	8	0,11	51
Ⓐ 5	900	3	0,05	41
Ⓐ 6	900	4	0,05	41
Ⓐ 7	900	4	0,05	40
Ⓐ 8	900	4	0,05	41
Ⓑ 1	1300	7	0,06	50
Ⓑ 2	1300	8	0,07	49
Ⓑ 3	1300	8	0,07	48
Ⓑ 4	1300	8	0,07	51
Ⓑ 5	900	3	0,03	41
Ⓑ 6	900	4	0,04	41
Ⓑ 7	900	4	0,04	40
Ⓑ 8	900	4	0,04	41

ebmpapst

– **Electr. connection:**





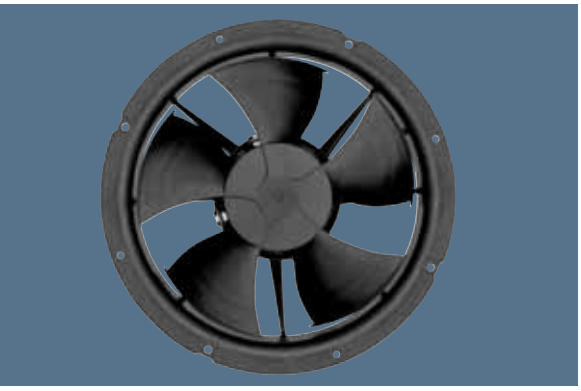
‹ "V"

Connection lead (total length 450 mm) is fitted ex works and can be detached
Other lengths available as accessory.

ErP2015 EXCEEDS THE NORM

Energy-saving axial fans

Ø 200



- **Material:** Wall ring: Plastic PP
  Blade: Plastic PA, fibreglass-reinforced
- **Number of blades:** 5
- **Direction of air flow:** "V", exhaust over struts
- **Direction of rotation:** Counter-clockwise, seen on rotor
- **Type of protection:** IP 54
- **Insulation class:** "B"
- **Mounting position:** Any
- **Condensate discharges:** None
- **Mode of operation:** Con. operation (S1)
- **Bearings:** Maintenance-free ball bearings
- **Motor protection:** Via electronics and TOP
- **Electrical connection:** Plug-in connection on motor side
- **Protection class:** II
- **Product conforming to standard:** CE
- **Approvals:** VDE, UL, CSA, GOST
- **Speed:** Using the programming unit, 2 speeds between n_{min} and n_{max} can be programmed.

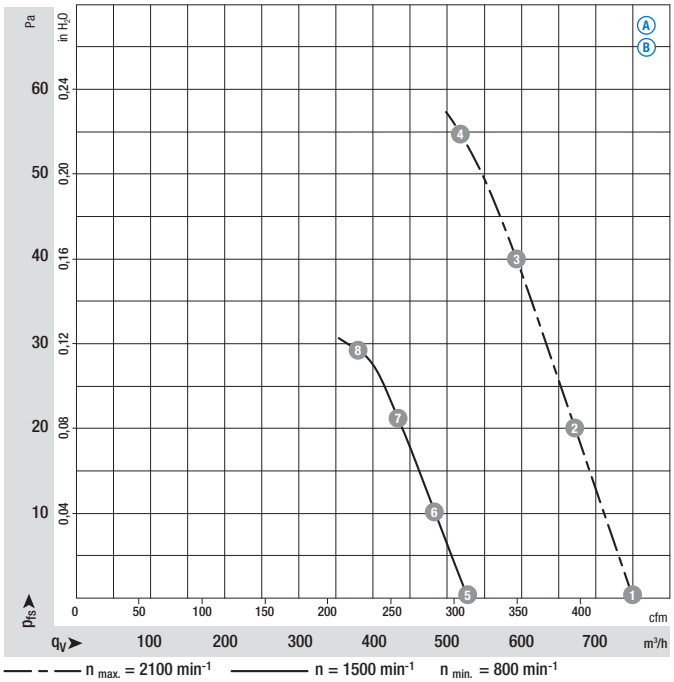
Nominal data

Type	Motor	Curve	Nominal voltage VAC	Frequency Hz	Speed/rpm(1) rpm	Max. input power(1) W	Max. current draw(1) A	Max. back pressure Pa	Perm. amb. temp. °C	Mass kg
W1G200-EC95 -47	M1G055-BD	A	1~ 115	50/60	2100	31	0,46	55	-30..+50	1,0
W1G200-EC91 -45	M1G055-BD	B	1~ 230	50/60	2100	31	0,24	55	-30..+50	1,0

subject to alterations

(1) Nominal data in operating point with maximum load and 115 or 230 VAC

Curves



n max. = 2100 min⁻¹ n = 1500 min⁻¹ n min. = 800 min⁻¹

Air performance measured as per: ISO 5801, Installation category A, in ebm-papst full nozzle and without protection against accidental contact

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

The acoustic values given are only valid under the measurment conditions listed and may vary depending on the installation situation.

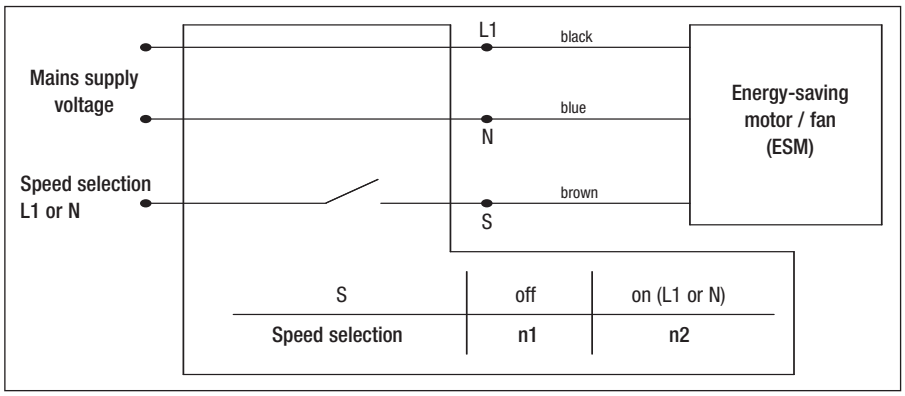
With any deviation to the standard setup, the specific values have to be checked and reviewed once installed or fitted!

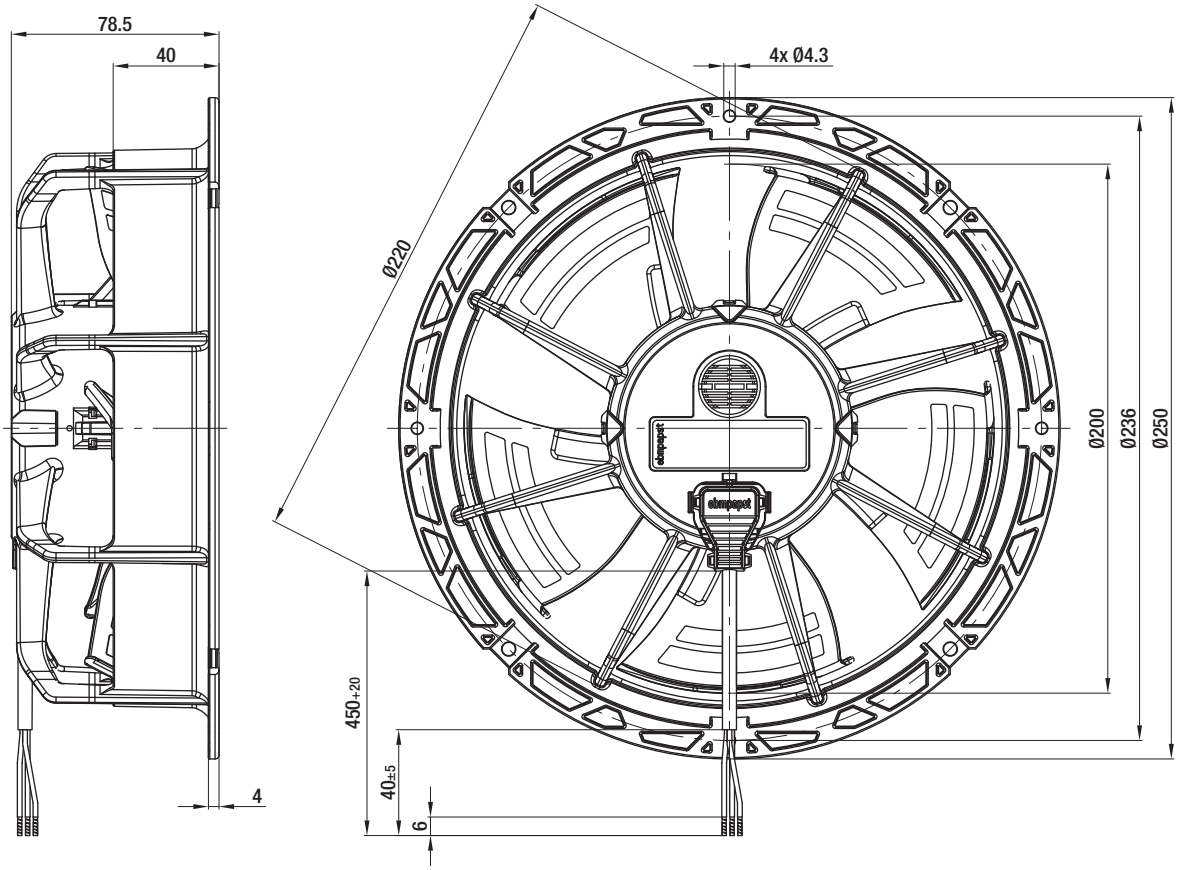
For detailed information see page 62 ff.

		n rpm	P_e W	I A	L_{WA} dB(A)
A	1	2100	28	0,42	62
A	2	2100	30	0,45	61
A	3	2100	31	0,46	60
A	4	2100	31	0,46	62
A	5	1500	14	0,22	54
A	6	1500	15	0,22	54
A	7	1500	16	0,26	53
A	8	1500	16	0,26	55
B	1	2100	29	0,22	62
B	2	2100	30	0,23	61
B	3	2100	31	0,24	60
B	4	2100	31	0,24	62
B	5	1500	14	0,11	54
B	6	1500	16	0,12	54
B	7	1500	16	0,13	53
B	8	1500	16	0,13	55

ebmpapst

– **Electr. connection:**





‹ "V"

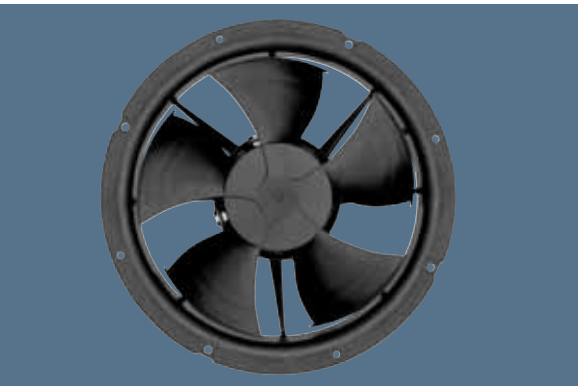
Connection lead (total length 450 mm) is fitted ex works and can be detached
Other lengths available as accessory.

Accessories
p. 40 ff.

ErP2015 EXCEEDS THE NORM

Energy-saving axial fans

Ø 200



- **Material:** Wall ring: epylen
  Blade: Plastic PA, fibreglass-reinforced
- **Number of blades:** 5
- **Direction of air flow:** "V", exhaust over struts
- **Direction of rotation:** Counter-clockwise, seen on rotor
- **Type of protection:** IP 54
- **Insulation class:** "B"
- **Mounting position:** Any
- **Condensate discharges:** None
- **Mode of operation:** Con. operation (S1)
- **Bearings:** Maintenance-free ball bearings
- **Motor protection:** Via electronics and TOP
- **Electrical connection:** Plug-in connection on motor side
- **Protection class:** II
- **Approvals:** VDE, UL, CSA, GOST are applied for
- **Technical features:** Control input 0-10 VDC / PWM, Tach output

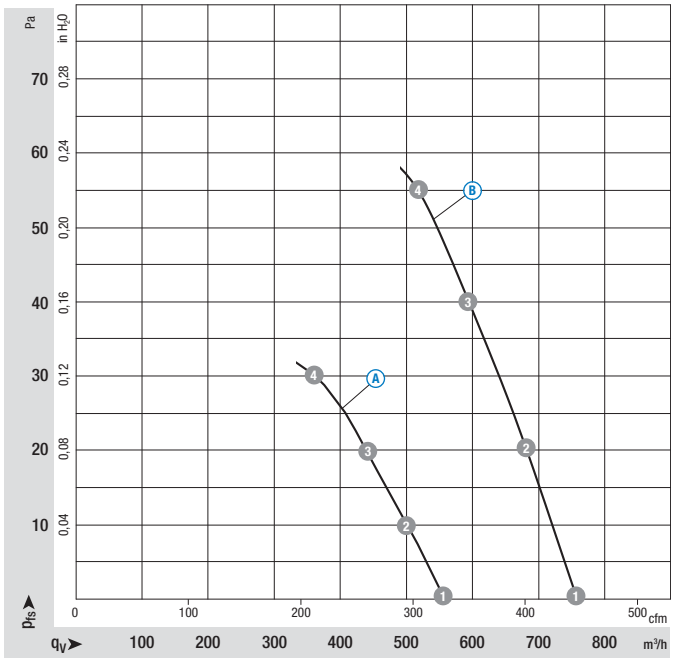
Nominal data

Type	Motor	Curve	Nominal voltage	Nominal voltage range	Speed/rpm(1)	Input power(1)	current draw(1)	Max. back pressure	Perm. amb. temp.	Mass
			VDC	VDC	rpm	W	A	Pa	°C	kg
W1G200-EF41 -01	M1G 055-BD	Ⓐ	24	16-28	1550	11	0,50	30	-30..+50	1,0
W1G200-EF01 -01	M1G 055-BD	Ⓑ	24	16-28	2130	29	1,50	55	-30..+50	1,0

subject to alterations

(1) Nominal data running at free air.

Curves



Air performance measured as per: ISO 5801, Installation category A, in ebm-papst full nozzle and without protection against accidental contact

Suction-side noise levels: L_WA as per ISO 13347, L_pA measured at 1 m distance to fan axis

The acoustic values given are only valid under the measurment conditions listed and may vary depending on the installation situation.

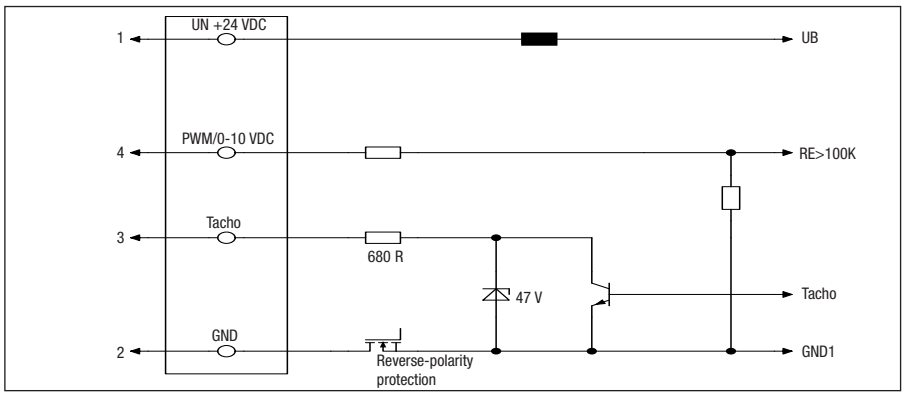
With any deviation to the standard setup, the specific values have to be checked and reviewed once installed or fitted!

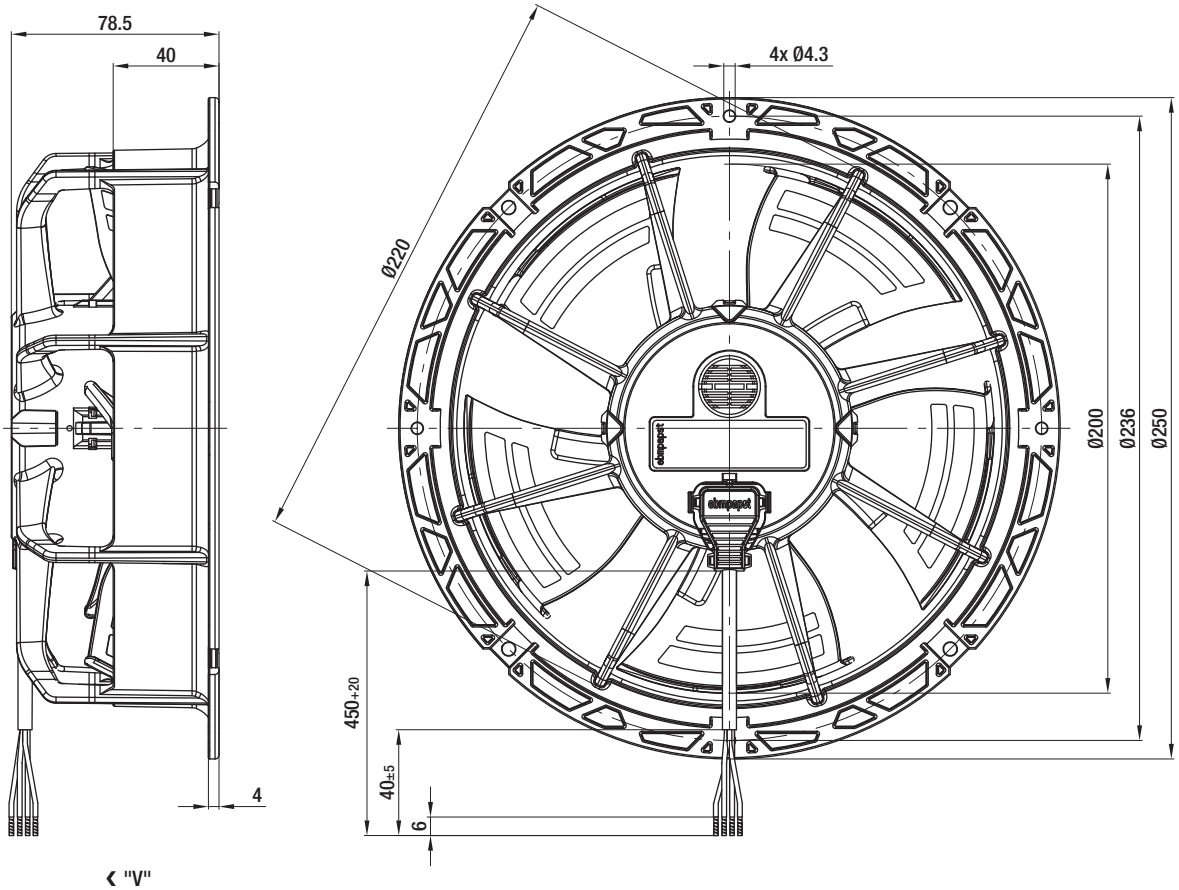
For detailed information see page 62 ff.

		n rpm	P_e W	I A	L_WA dB(A)
Ⓐ	1	1550	11	0,50	54
Ⓐ	2	1530	11	0,50	53
Ⓐ	3	1510	11	0,51	52
Ⓐ	4	1515	11	0,51	55
Ⓑ	1	2130	29	1,50	62
Ⓑ	2	2085	30	1,56	62
Ⓑ	3	2050	31	1,61	61
Ⓑ	4	2050	31	1,62	59

ebmpapst

– **Electr. connection:**





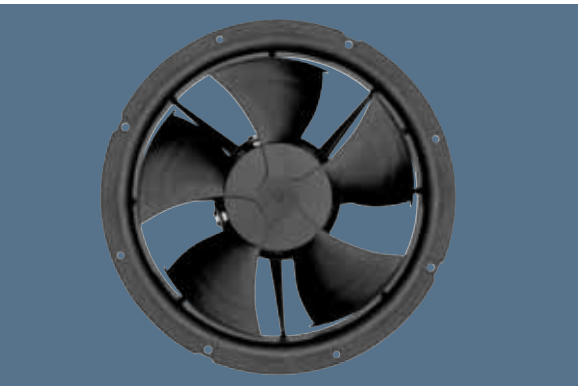
‹ "V"

Connection lead (total length 450 mm) is fitted ex works and can be detached
Other lengths available as accessory.

ErP2015 EXCEEDS THE NORM

Energy-saving axial fans

Ø 200



- **Material:** Wall ring: epylen
  Blade: Plastic PA, fibreglass-reinforced
- **Number of blades:** 5
- **Direction of air flow:** "V", exhaust over struts
- **Direction of rotation:** Counter-clockwise, seen on rotor
- **Type of protection:** IP 54
- **Insulation class:** "B"
- **Mounting position:** Any
- **Condensate discharges:** None
- **Mode of operation:** Con. operation (S1)
- **Bearings:** Maintenance-free ball bearings
- **Motor protection:** Via electronics and TOP
- **Electrical connection:** Plug-in connection on motor side
- **Protection class:** II
- **Product conforming to standard:** CE; EN 60335-1
- **Approvals:** VDE, UL, CSA, GOST are applied for
- **Technical features:** Control input 0-10 VDC / PWM, Output 10 VDC max. 1.1 mA, Tach output

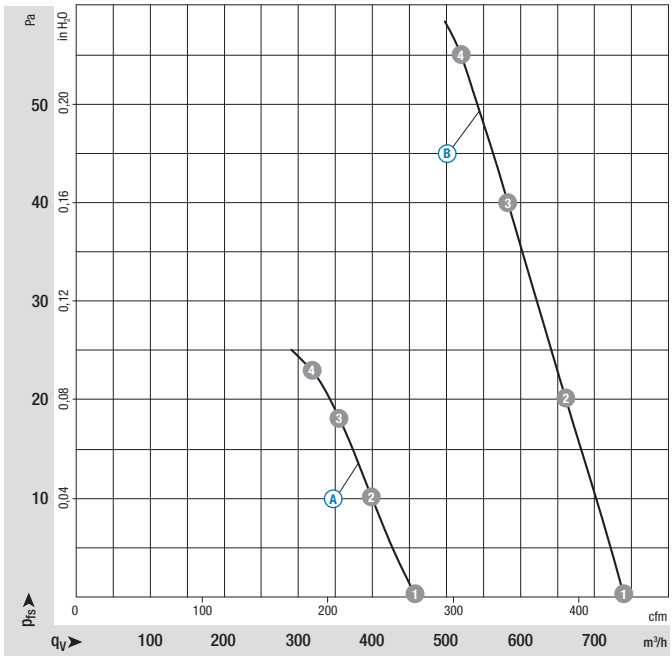
Nominal data

Type	Motor	Curve	Nominal voltage	Frequency	Speed/rpm(1)	Max. input power(1)	Max. current draw(1)	Max. back pressure	Perm. amb. temp.	Mass
			VAC	Hz	rpm	W	A	Pa	°C	kg
W1G200-EC87 -A2	M1G055-BD	A	1~ 230	50/60	1300	8	0,07	23	-30..+50	1,0
W1G200-EC91 -A4	M1G055-BD	B	1~ 230	50/60	2100	31	0,24	55	-30..+50	1,0

subject to alterations

(1) Nominal data in operating point with maximum load and 115 or 230 VAC

Curves



Air performance measured as per: ISO 5801, Installation category A, in ebm-papst full nozzle and without protection against accidental contact

Suction-side noise levels: L_WA as per ISO 13347, L_pA measured at 1 m distance to fan axis

The acoustic values given are only valid under the measurment conditions listed and may vary depending on the installation situation.

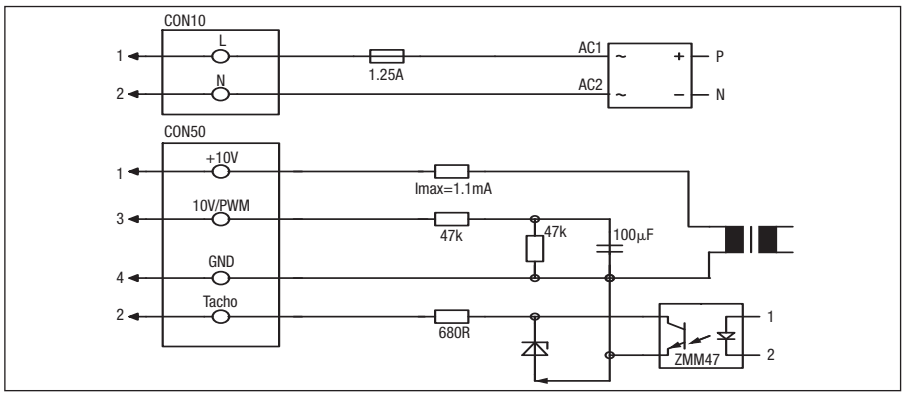
With any deviation to the standard setup, the specific values have to be checked and reviewed once installed or fitted!

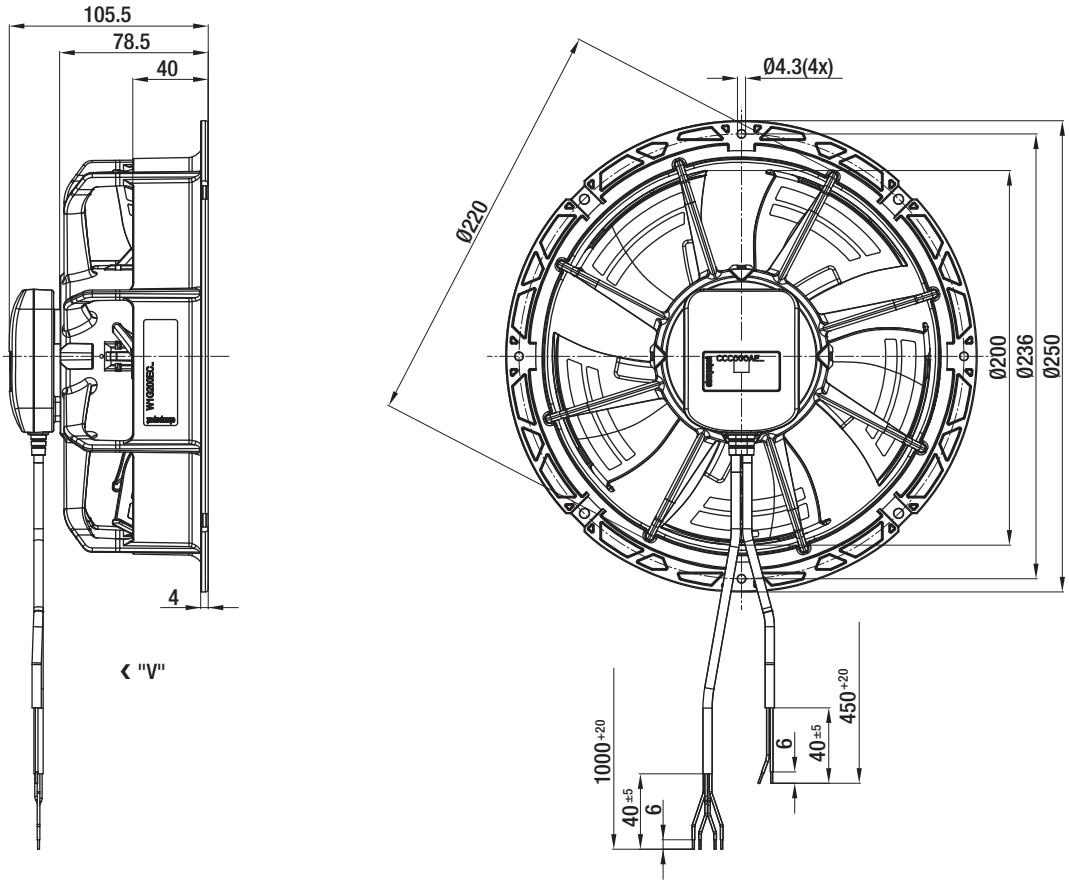
For detailed information see page 62 ff.

		n rpm	P_e W	I A	L_WA dB(A)
A	1	1300	7,0	0,06	50
A	2	1300	8,0	0,07	49
A	3	1300	8,0	0,07	48
A	4	1300	8,0	0,07	48
B	1	2100	29	0,23	62
B	2	2100	30	0,24	62
B	3	2100	31	0,24	60
B	4	2100	31	0,24	59

ebmpapst

– **Electr. connection:**





‹ "V"