

EC centrifugal fans and modules

backward curved, 3-D, Ø 400



- **Material:** Support bracket: Steel, coated in black
Support plate: Sheet aluminium, spacer profiles: Aluminium
Impeller: Sheet aluminium, joined by tabs
Rotor: Coated in black
Electronics enclosure: Die-cast aluminium
- **Number of blades:** 6
- **Direction of rotation:** Clockwise, seen on rotor
- **Type of protection:** IP 54
- **Insulation class:** "B"
- **Mounting position:** Shaft horizontal or rotor on top; rotor on bottom on request
- **Condensate discharges:** None
- **Mode of operation:** Continuous operation (S1)
- **Bearings:** Maintenance-free ball bearings

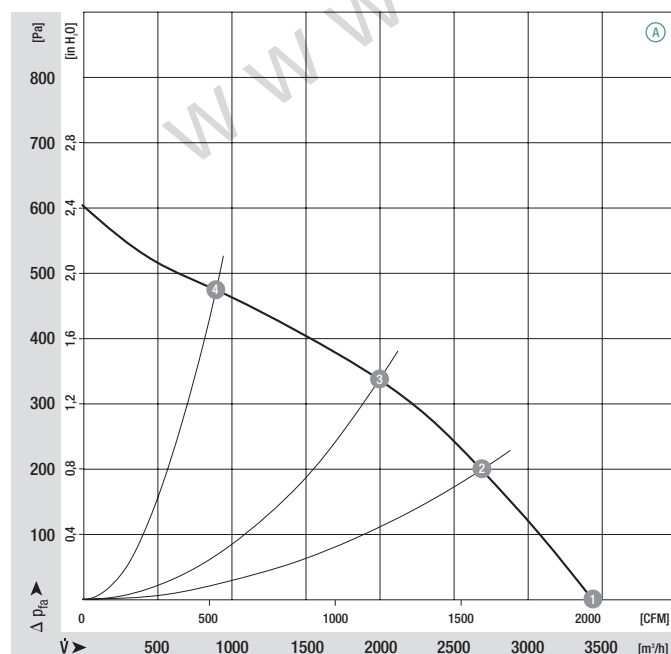
Nominal data

Type	Motor	Curve	Nominal voltage range	Frequency	Speed/rpm	Max. power input ⁽¹⁾	Max. current draw ⁽¹⁾	Perm. amb. temp.	Electr. connection
*3G 400	M3G 084-FA	Ⓐ	1~ 100-130	50/60	1460	350	4.20	-25 to +60	p. 605

subject to alterations

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

Curves

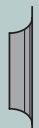


	n [rpm]	P ₁ [W]	I [A]	Lp _A [dB(A)]	η _{HL} [%]
Ⓐ 1	1460	299	3.60	73	—
Ⓐ 2	1415	346	4.10	66	58
Ⓐ 3	1415	350	4.20	62	70
Ⓐ 4	1465	298	3.60	66	60

- **Technical features:**
 - PFC (passive)
 - Control input 0-10 VDC / PWM
- **EMC:** Interference emission acc. to EN 61000-6-3
Interference immunity acc. to EN 61000-6-2
Harmonics acc. to DIN EN 61000-3-2/3
- **Leakage current:** < 3.5 mA acc. to EN 61800-5-1
- **Cable exit:** Variable
- **Protection class:** I
- **Product conforming to standards:** EN 61800-5-1, CE
- **Approvals:** VDE, UL, CSA, CCC, GOST are applied for
- Output 10 VDC max. 1.1 mA
- Alarm relay
- Over-temperature protected electronics / motor



Mass of centrifugal fan



Inlet nozzle (long)



Mass of centrifugal module with support bracket



Mass of centrifugal module with support plate

Centrifugal fan

kg

Inlet nozzle (long)

Centrifugal module w. support bracket

kg

Centrifugal module with support plate

kg

R3G 400-AD42 -81

6.1

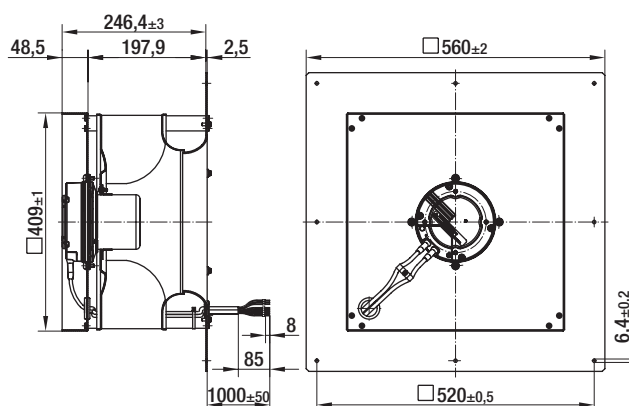
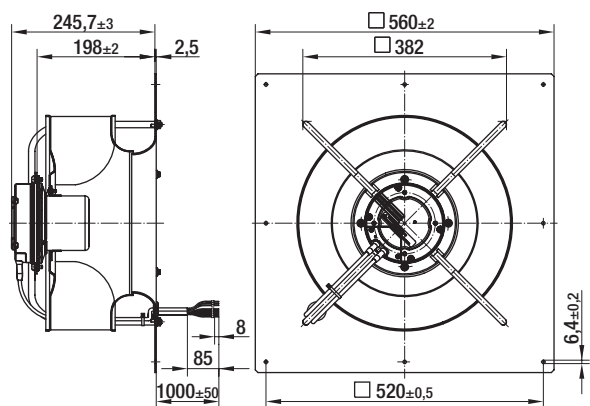
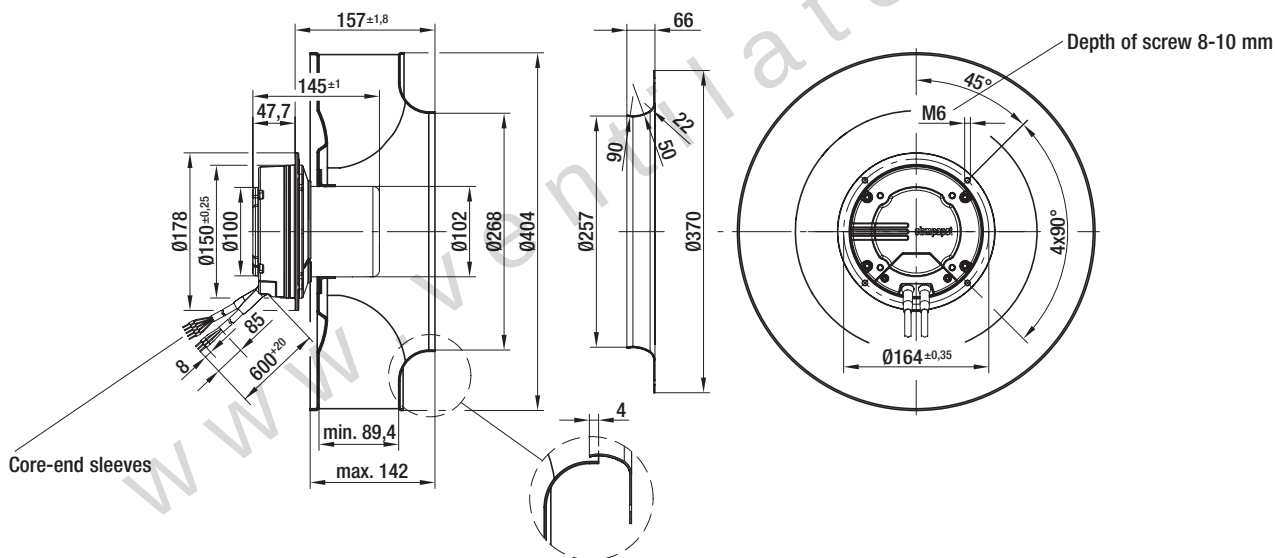
54476-2-4013

K3G 400-AD42 -82

10.7

K3G 400-AD42 -81

9.9



EC centrifugal fans and modules

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- **Material:** Support bracket: Steel, coated in black
Support plate: Sheet aluminium, spacer profiles: Aluminium
Impeller: Sheet aluminium, joined by tabs
Rotor: Coated in black
Electronics enclosure: Die-cast aluminium
- **Number of blades:** 6
- **Direction of rotation:** Clockwise, seen on rotor
- **Type of protection:** IP 54
- **Insulation class:** "B"
- **Mounting position:** Shaft horizontal or rotor on top; rotor on bottom on request
- **Condensate discharges:** None
- **Mode of operation:** Continuous operation (S1)
- **Bearings:** Maintenance-free ball bearings

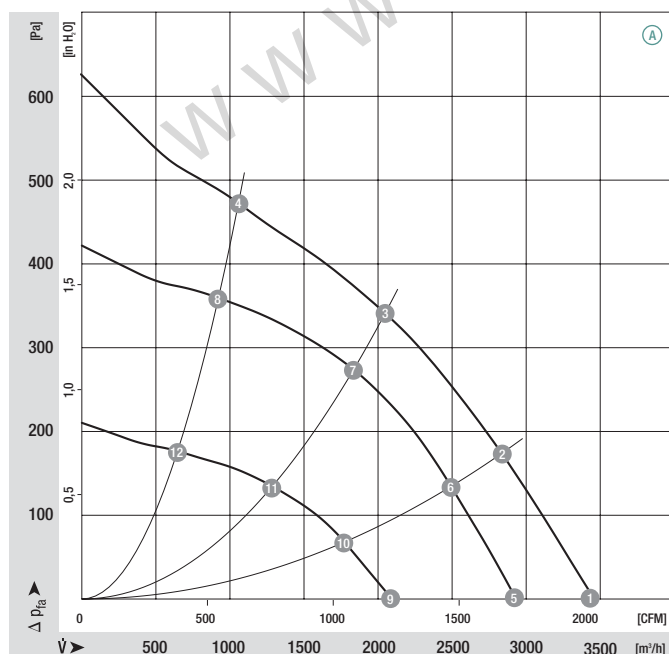
Nominal data

Type	Motor	Curve	Nominal voltage range	Frequency	Speed/rpm	Max. power input ⁽¹⁾	Max. current draw ⁽¹⁾	Perm. amb. temp.	Electr. connection
*3G 400	M3G 084-FA	Ⓐ	1~ 200-277	50/60	1460	360	2.20	-25 to +60	p. 605

subject to alterations

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

Curves



	n [rpm]	P ₁ [W]	I [A]	Lp _A [dB(A)]	η _{IL} [%]
Ⓐ 1	1460	302	1.85	72	—
Ⓐ 2	1425	344	2.10	67	48
Ⓐ 3	1420	360	2.20	63	67
Ⓐ 4	1460	309	1.90	67	55
Ⓐ 5	1270	195	1.20	68	—
Ⓐ 6	1270	235	1.40	64	53
Ⓐ 7	1270	250	1.50	61	67
Ⓐ 8	1270	205	1.30	63	54
Ⓐ 9	900	74	0.50	60	—
Ⓐ 10	900	90	0.60	56	53
Ⓐ 11	900	90	0.60	52	67
Ⓐ 12	900	77	0.50	44	54

- **Technical features:**
 - PFC (passive)
 - Control input 0-10 VDC / PWM
- **EMC:** Interference emission acc. to EN 61000-6-3
Interference immunity acc. to EN 61000-6-2
Harmonics acc. to DIN EN 61000-3-2/3
- **Leakage current:** < 3.5 mA acc. to EN 61800-5-1
- **Cable exit:** Variable
- **Protection class:** I
- **Product conforming to standards:** EN 61800-5-1, CE
- **Approvals:** UL, CSA, CCC; VDE, GOST are applied for
- Output 10 VDC max. 1.1 mA
- Alarm relay
- Over-temperature protected electronics / motor



Mass of centrifugal fan



Inlet nozzle (long)



Mass of centrifugal module with support bracket



Mass of centrifugal module with support plate

Centrifugal fan

kg

Inlet nozzle (long)

Centrifugal module w. support bracket

kg

Centrifugal module with support plate

kg

R3G 400-AD32 -71

6.1

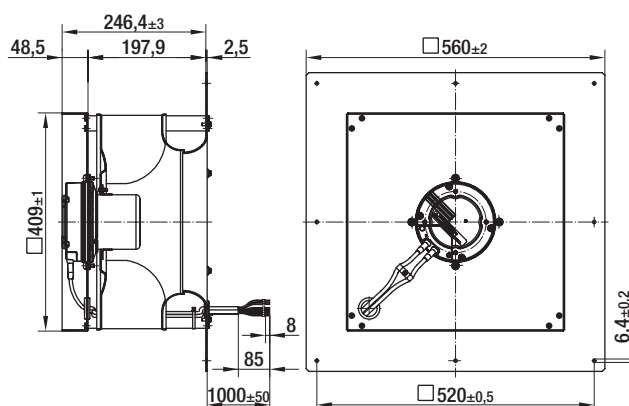
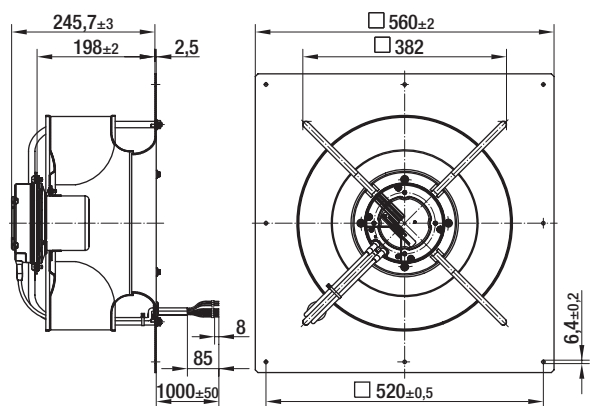
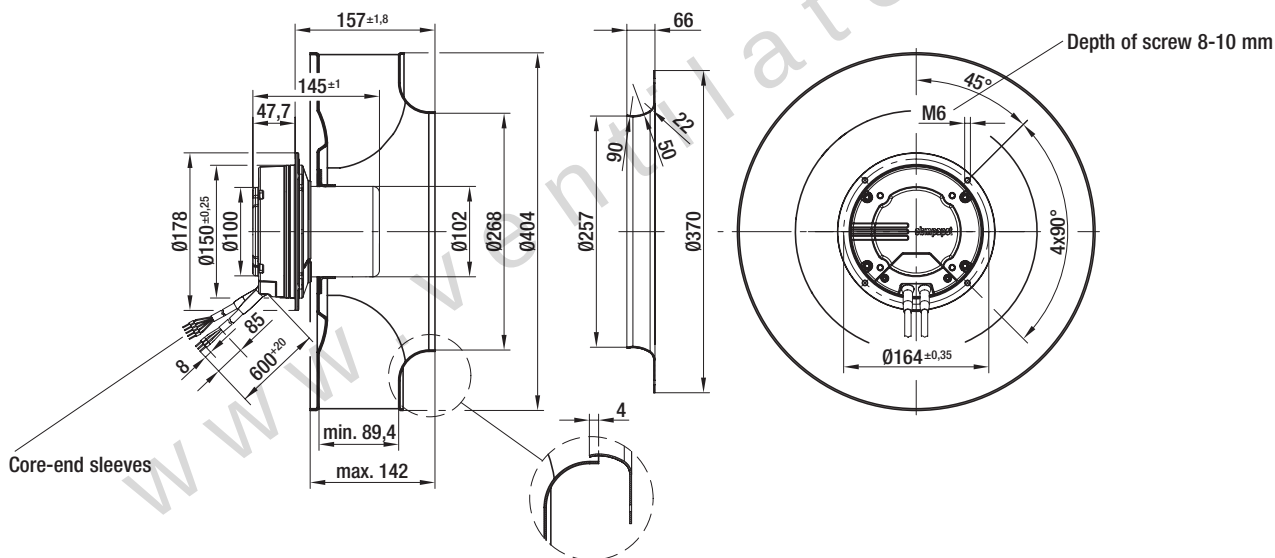
54476-2-4013

K3G 400-AD32 -72

10.7

K3G 400-AD32 -71

9.9



EC centrifugal fans and modules

backward curved, 3-D, Ø 400



- **Material:** Support bracket: Steel, coated in black
Support plate: Sheet aluminium, spacer profiles: Aluminium
Impeller: Sheet aluminium, joined by tabs
Rotor: Coated in black
Electronics enclosure: Die-cast aluminium
- **Number of blades:** 6
- **Direction of rotation:** Clockwise, seen on rotor
- **Type of protection:** IP 54
- **Insulation class:** "B"
- **Mounting position:** Shaft horizontal or rotor on top; rotor on bottom on request
- **Condensate discharges:** None
- **Mode of operation:** Continuous operation (S1)
- **Bearings:** Maintenance-free ball bearings

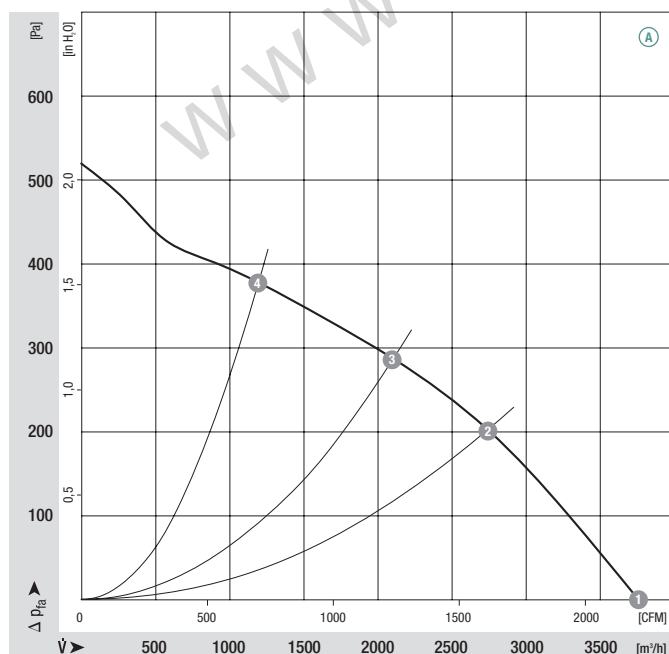
Nominal data

Type	Motor	Curve	Nominal voltage range	Frequency	Speed/rpm	Max. power input ⁽¹⁾	Max. current draw ⁽¹⁾	Perm. amb. temp.	Electr. connection
*3G 400	M3G 084-FA	Ⓐ	1~ 100-130	50/60	1320	325	3.90	-25 to +60	p. 605

subject to alterations

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

Curves



	n [rpm]	P ₁ [W]	I [A]	Lp _A [dB(A)]	η _{HL} [%]
Ⓐ 1	1320	275	3.40	72	—
Ⓐ 2	1275	317	3.80	66	60
Ⓐ 3	1285	325	3.90	63	70
Ⓐ 4	1320	285	3.50	66	57

- **Technical features:**
 - PFC (passive)
 - Control input 0-10 VDC / PWM
- **EMC:** Interference emission acc. to EN 61000-6-3
Interference immunity acc. to EN 61000-6-2
Harmonics acc. to DIN EN 61000-3-2/3
- **Leakage current:** < 3.5 mA acc. to EN 61800-5-1
- **Cable exit:** Variable
- **Protection class:** I
- **Product conforming to standards:** EN 61800-5-1, CE
- **Approvals:** VDE, UL, CSA, CCC, GOST are applied for
- Output 10 VDC max. 1.1 mA
- Alarm relay
- Over-temperature protected electronics / motor



Mass of centrifugal fan



Inlet nozzle (long)

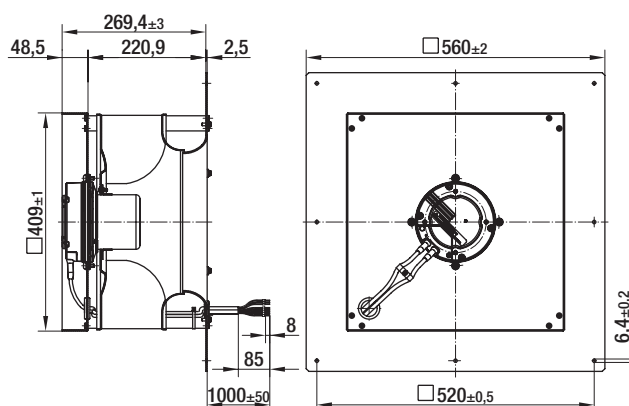
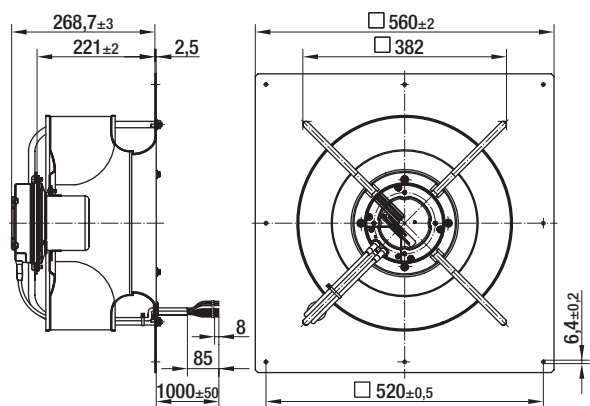
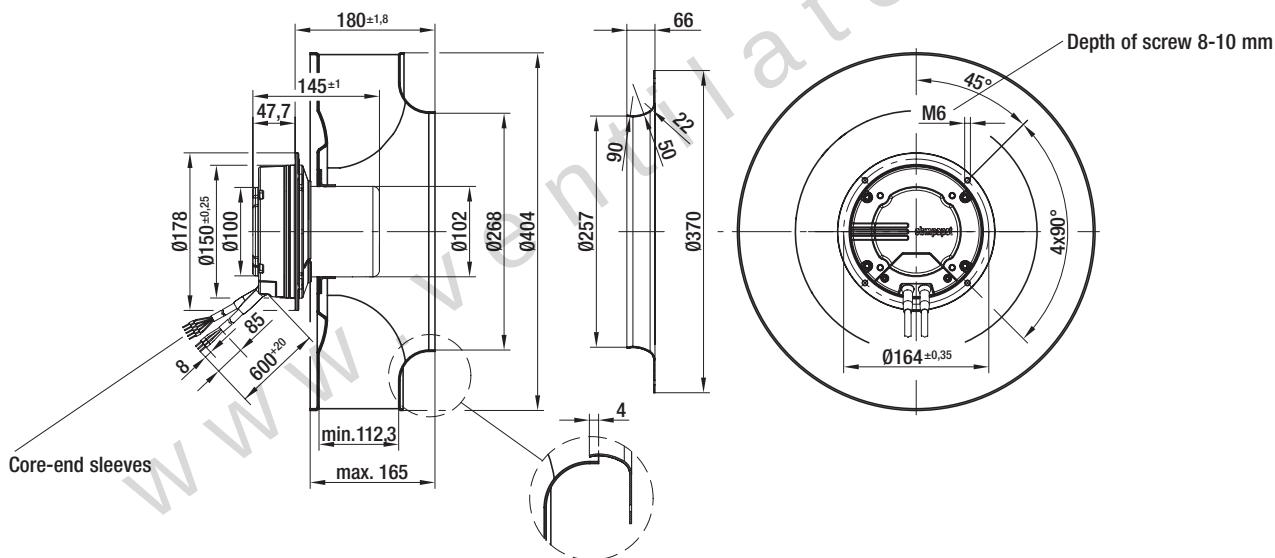


Mass of centrifugal module with support bracket



Mass of centrifugal module with support plate

Centrifugal fan	kg	Inlet nozzle (long)	Centrifugal module w. support bracket	kg	Centrifugal module with support plate	kg
R3G 400-AC42 -81	6.2	54476-2-4013	K3G 400-AC42 -82	11.0	K3G 400-AC42 -81	10.0



EC centrifugal fans and modules

backward curved, 3-D, Ø 400



- **Material:** Support bracket: Steel, coated in black
Support plate: Sheet aluminium, spacer profiles: Aluminium
Impeller: Sheet aluminium, joined by tabs
Rotor: Coated in black
Electronics enclosure: Die-cast aluminium
- **Number of blades:** 6
- **Direction of rotation:** Clockwise, seen on rotor
- **Type of protection:** IP 54
- **Insulation class:** "B"
- **Mounting position:** Shaft horizontal or rotor on top; rotor on bottom on request
- **Condensate discharges:** None
- **Mode of operation:** Continuous operation (S1)
- **Bearings:** Maintenance-free ball bearings

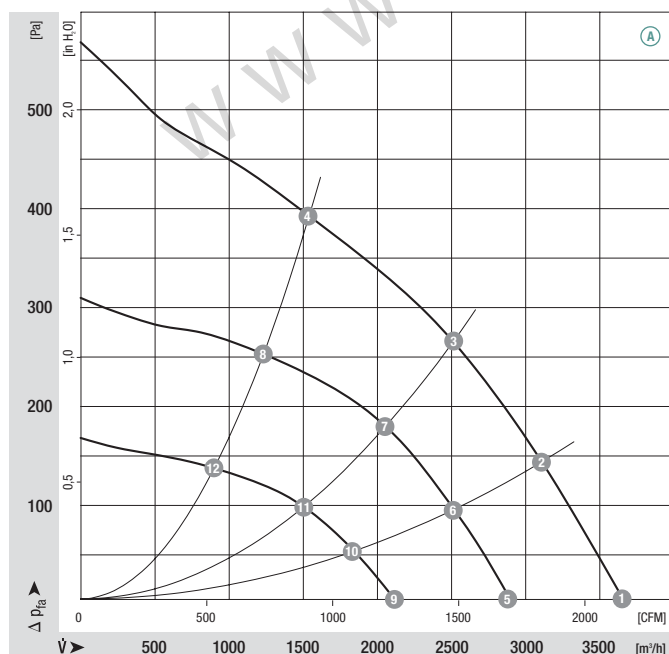
Nominal data

Type	Motor	Curve	Nominal voltage range	Frequency	Speed/rpm	Max. power input ⁽¹⁾	Max. current draw ⁽¹⁾	Perm. amb. temp.	Electr. connection
*3G 400	M3G 084-FA	A	1~ 200-277	50/60	1365	355	2.20	-25 to +60	p. 605

subject to alterations

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

Curves



	n [rpm]	P ₁ [W]	I [A]	Lp _A [dB(A)]	η _{HL} [%]
A 1	1365	306	1.90	72	—
A 2	1335	339	2.05	70	48
A 3	1320	355	2.20	65	64
A 4	1350	324	2.00	68	54
A 5	1080	152	0.95	67	—
A 6	1080	180	1.10	63	48
A 7	1080	195	1.20	60	64
A 8	1080	165	1.00	61	54
A 9	790	59	0.35	60	—
A 10	790	70	0.45	56	48
A 11	790	76	0.45	52	64
A 12	790	65	0.40	53	54

- **Technical features:**
 - PFC (passive)
 - Control input 0-10 VDC / PWM
- **EMC:** Interference emission acc. to EN 61000-6-3
Interference immunity acc. to EN 61000-6-2
Harmonics acc. to DIN EN 61000-3-2/3
- **Leakage current:** < 3.5 mA acc. to EN 61800-5-1
- **Cable exit:** Variable
- **Protection class:** I
- **Product conforming to standards:** EN 61800-5-1, CE
- **Approvals:** UL, CSA; VDE, CCC, GOST are applied for
- Output 10 VDC max. 1.1 mA
- Alarm relay
- Over-temperature protected electronics / motor



Mass of centrifugal fan



Inlet nozzle (long)



Mass of centrifugal module with support bracket



Mass of centrifugal module with support plate

Centrifugal fan

kg

Inlet nozzle (long)

Centrifugal module w. support bracket

kg

Centrifugal module with support plate

kg

R3G 400-AC28 -71

6.2

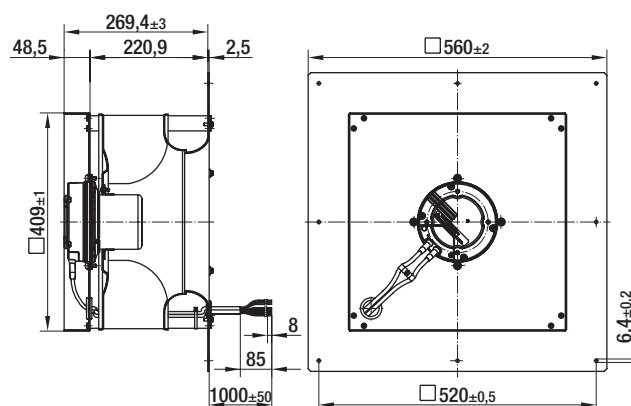
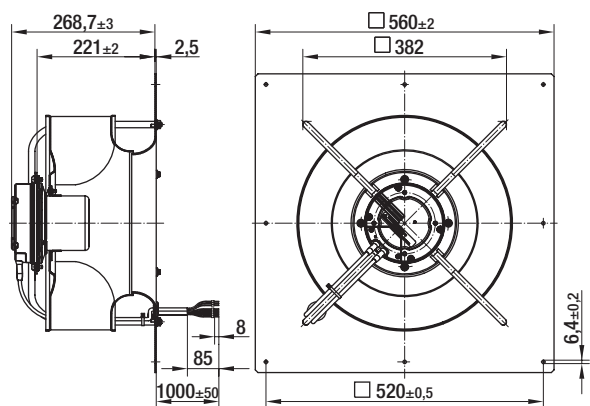
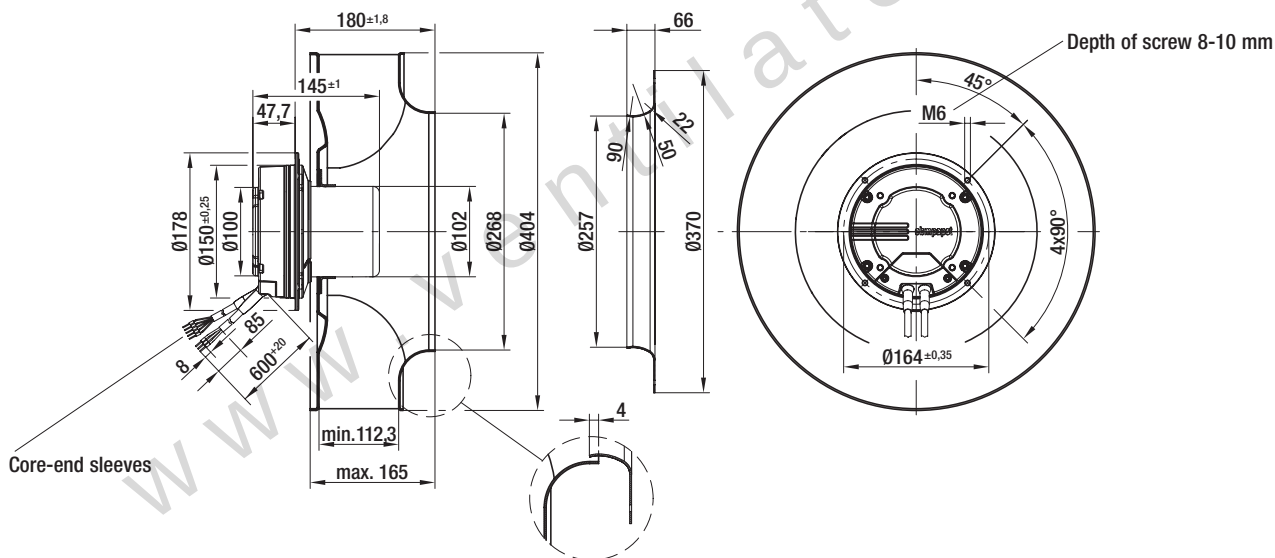
54476-2-4013

K3G 400-AC28 -72

11.0

K3G 400-AC28 -71

10.0



EC centrifugal fans and modules

backward curved, 3-D, Ø 400



- **Material:** Support bracket: Steel, coated in black
Support plate: Sheet aluminium, spacer profiles: Aluminium
Impeller: Sheet aluminium, joined by tabs
Rotor: Coated in black
Electronics enclosure: Die-cast aluminium
- **Number of blades:** 6
- **Direction of rotation:** Clockwise, seen on rotor
- **Type of protection:** IP 54
- **Insulation class:** "B"
- **Mounting position:** Shaft horizontal or rotor on top; rotor on bottom on request
- **Condensate discharges:** None
- **Mode of operation:** Continuous operation (S1)
- **Bearings:** Maintenance-free ball bearings

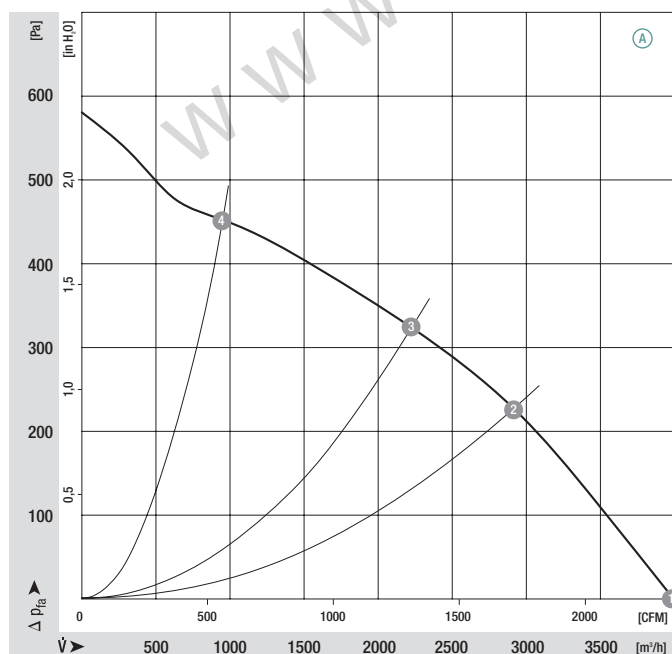
Nominal data

Type	Motor	Curve	Nominal voltage range	Frequency	Speed/rpm	Max. power input ⁽¹⁾	Max. current draw ⁽¹⁾	Perm. amb. temp.	Electr. connection
*3G 400	M3G 084-FA	Ⓐ	1~ 100-130	50/60	1400	380	4.50	-25 to +40	p. 605

subject to alterations

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

Curves



	n [rpm]	P ₁ [W]	I [A]	Lp _A [dB(A)]	η _{IL} [%]
Ⓐ 1	1400	328	3.90	74	—
Ⓐ 2	1360	381	4.50	68	59
Ⓐ 3	1365	380	4.50	65	68
Ⓐ 4	1420	317	3.80	69	55

- **Technical features:**
 - PFC (passive)
 - Control input 0-10 VDC / PWM
- **EMC:** Interference emission acc. to EN 61000-6-3
Interference immunity acc. to EN 61000-6-2
Harmonics acc. to DIN EN 61000-3-2/3
- **Leakage current:** < 3.5 mA acc. to EN 61800-5-1
- **Cable exit:** Variable
- **Protection class:** I
- **Product conforming to standards:** EN 61800-5-1, CE
- **Approvals:** VDE, UL, CSA, CCC, GOST are applied for
- Output 10 VDC max. 1.1 mA
- Alarm relay
- Over-temperature protected electronics / motor



Mass of centrifugal fan



Inlet nozzle (long)

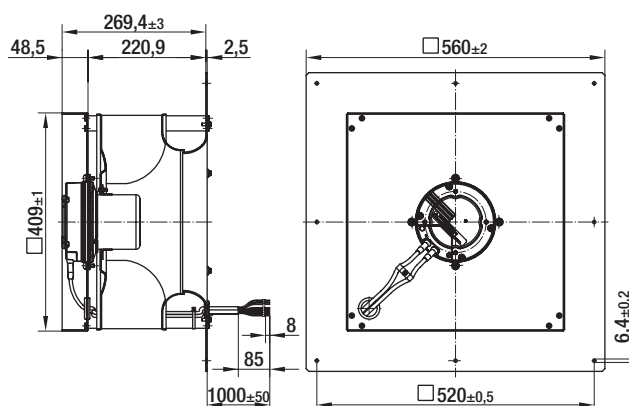
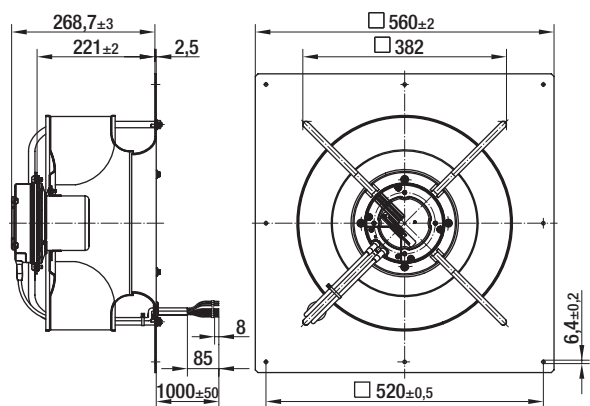
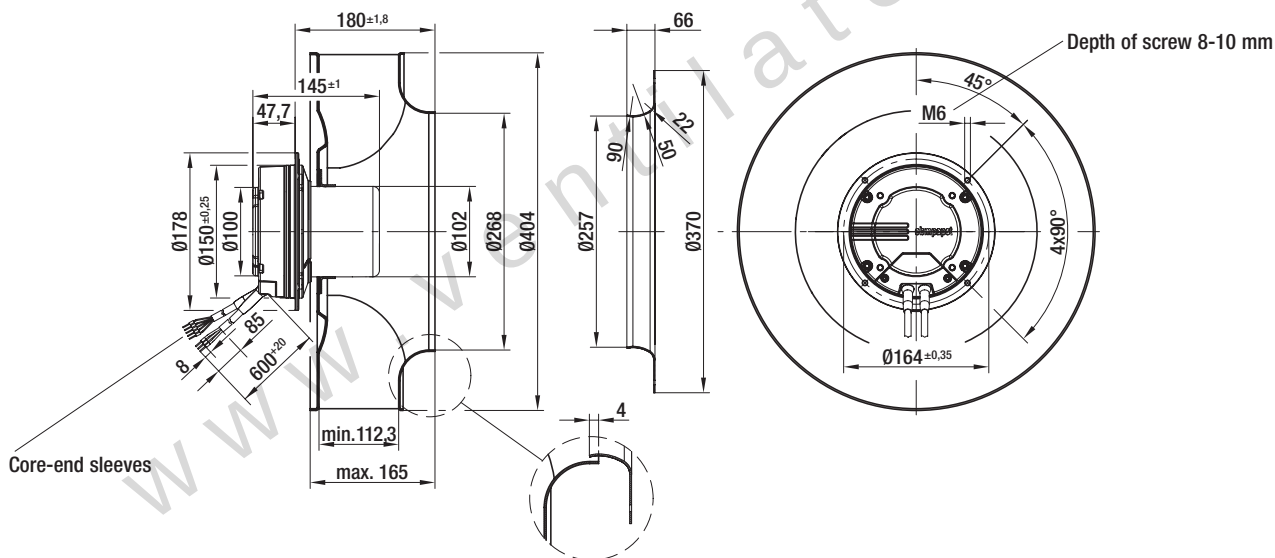


Mass of centrifugal module with support bracket



Mass of centrifugal module with support plate

Centrifugal fan	kg	Inlet nozzle (long)	Centrifugal module w. support bracket	kg	Centrifugal module with support plate	kg
R3G 400-AC15 -81	6.2	54476-2-4013	K3G 400-AC15 -82	11.0	K3G 400-AC15 -81	10.0



EC centrifugal fans and modules

backward curved, 3-D, Ø 400



- **Material:** Support bracket: Steel, coated in black
Support plate: Sheet aluminium, spacer profiles: Aluminium
Impeller: Sheet aluminium, joined by tabs
Rotor: Coated in black
Electronics enclosure: Die-cast aluminium
- **Number of blades:** 6
- **Direction of rotation:** Clockwise, seen on rotor
- **Type of protection:** IP 54
- **Insulation class:** "B"
- **Mounting position:** Shaft horizontal or rotor on top; rotor on bottom on request
- **Condensate discharges:** None
- **Mode of operation:** Continuous operation (S1)
- **Bearings:** Maintenance-free ball bearings

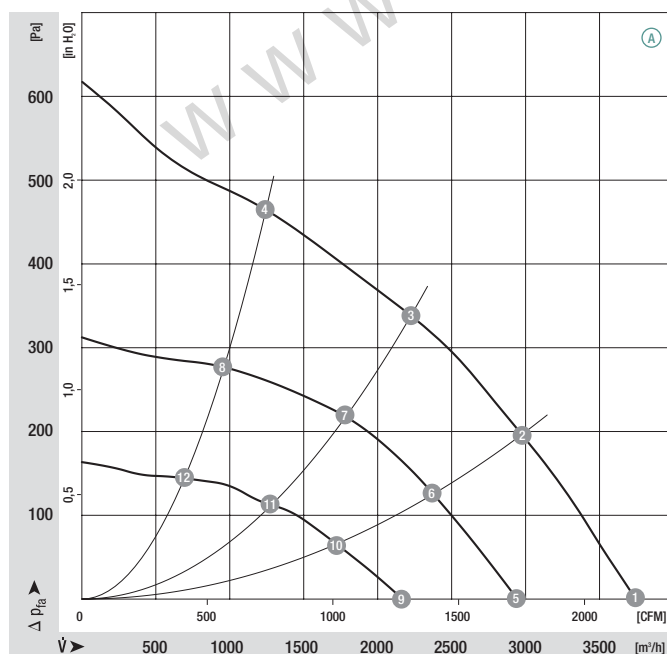
Nominal data

Type	Motor	Curve	Nominal voltage range	Frequency	Speed/rpm	Max. power input ⁽¹⁾	Max. current draw ⁽¹⁾	Perm. amb. temp.	Electr. connection
*3G 400	M3G 084-FA	Ⓐ	1~ 200-277	50/60	1410	410	2.50	-25 to +40	p. 605

subject to alterations

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

Curves



	n [rpm]	P ₁ [W]	I [A]	L _{pA} [dB(A)]	η _{IL} [%]
Ⓐ 1	1410	359	2.20	74	—
Ⓐ 2	1370	401	2.45	69	51
Ⓐ 3	1375	410	2.50	66	64
Ⓐ 4	1420	352	2.15	71	54
Ⓐ 5	1110	161	1.00	68	—
Ⓐ 6	1110	120	0.80	63	51
Ⓐ 7	1110	194	1.20	59	64
Ⓐ 8	1110	151	1.00	61	54
Ⓐ 9	800	69	0.50	60	—
Ⓐ 10	800	80	0.50	56	51
Ⓐ 11	800	78	0.50	52	64
Ⓐ 12	800	55	0.40	53	54

- **Technical features:**
 - PFC (passive)
 - Control input 0-10 VDC / PWM
- **EMC:** Interference emission acc. to EN 61000-6-3
Interference immunity acc. to EN 61000-6-2
Harmonics acc. to DIN EN 61000-3-2/3
- **Leakage current:** < 3.5 mA acc. to EN 61800-5-1
- **Cable exit:** Variable
- **Protection class:** I
- **Product conforming to standards:** EN 61800-5-1, CE
- **Approvals:** UL, CSA; VDE, CCC, GOST are applied for
- Output 10 VDC max. 1.1 mA
- Alarm relay
- Over-temperature protected electronics / motor



Mass of centrifugal fan



Inlet nozzle (long)

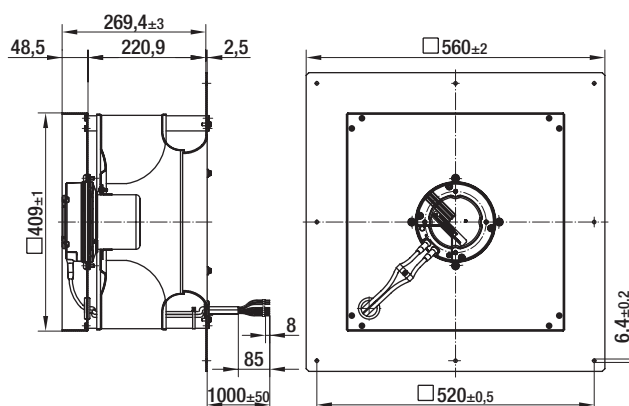
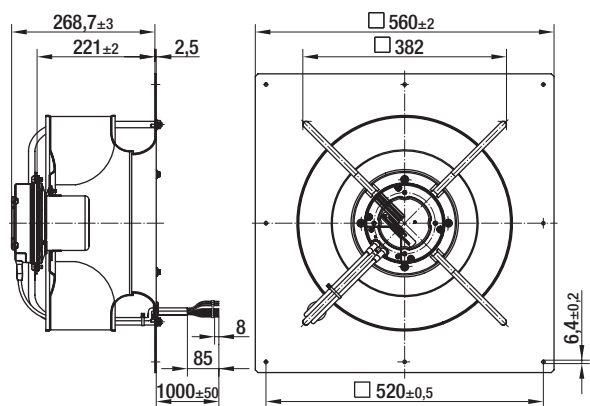
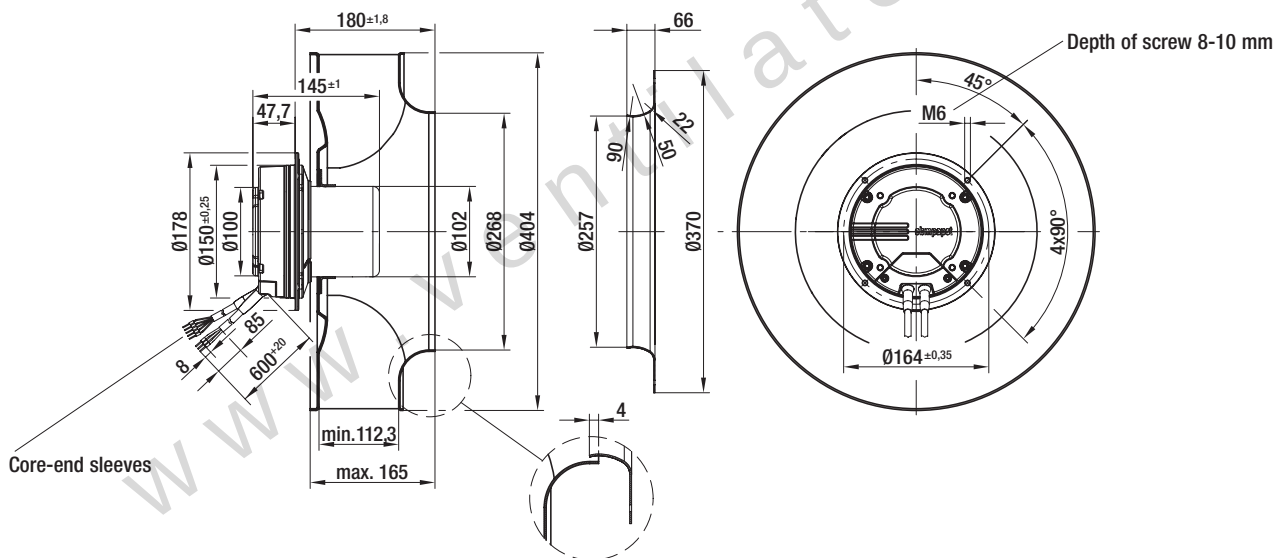


Mass of centrifugal module with support bracket



Mass of centrifugal module with support plate

Centrifugal fan	kg	Inlet nozzle (long)	Centrifugal module w. support bracket	kg	Centrifugal module with support plate	kg
R3G 400-AC32 -71	6.2	54476-2-4013	K3G 400-AC32 -72	11.0	K3G 400-AC32 -71	10.0



EC centrifugal fans and modules

backward curved, 3-D, Ø 400



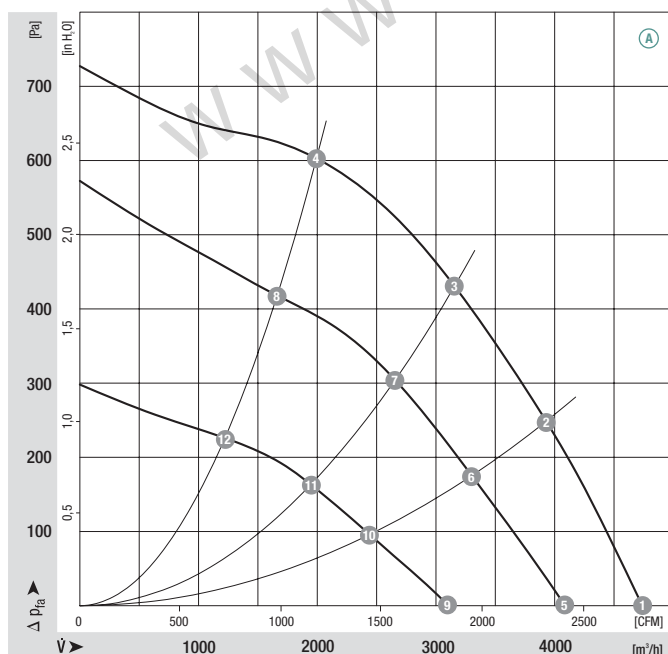
- **Material:** Support bracket: Steel, coated in black
Support plate: Galvanised sheet steel, spacer profiles: Aluminium
Impeller: Sheet aluminium, joined by tabs
Rotor: Coated in black
Electronics enclosure: Die-cast aluminium
- **Number of blades:** 6
- **Direction of rotation:** Clockwise, seen on rotor
- **Type of protection:** IP 54 (acc. to EN 60529)
- **Insulation class:** "F"
- **Mounting position:** Shaft horizontal or rotor on bottom; rotor on top on request
- **Condensate discharges:** Rotor-side
- **Mode of operation:** Continuous operation (S1)
- **Bearings:** Maintenance-free ball bearings

Nominal data		Curve	Nominal voltage range	Frequency	Speed/rpm	Max. power input ⁽¹⁾	Max. current draw ⁽¹⁾	Perm. amb. temp.	Electr. connection
Type	Motor		VAC	Hz	rpm	kW	A	°C	p. 607
*3G 400	M3G 112-EA	Ⓐ	1~ 200-277	50/60	1720	0.76	3.40	-25 to +60	L1)

subject to alterations

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

Curves

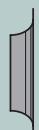


	n [rpm]	P ₁ [kW]	I [A]	L _{wA} [dB(A)]	η _{IL} [%]
Ⓐ 1	1720	0.60	2.70	84	—
Ⓐ 2	1725	0.72	3.20	80	51
Ⓐ 3	1720	0.76	3.40	75	62
Ⓐ 4	1725	0.68	3.00	79	59
Ⓐ 5	1455	0.35	1.60	79	—
Ⓐ 6	1430	0.39	1.80	74	54
Ⓐ 7	1425	0.40	1.80	71	69
Ⓐ 8	1435	0.37	1.70	73	62
Ⓐ 9	1045	0.15	0.70	68	—
Ⓐ 10	1030	0.16	0.70	65	60
Ⓐ 11	1030	0.16	0.80	63	74
Ⓐ 12	1040	0.15	0.70	64	67

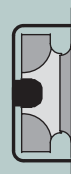
- **Technical features:**
 - PFC (active)
 - Integrated PID controller
 - Control input 0-10 VDC / PWM
 - Input for sensor 0-10 V or 4-20 mA
 - Slave output 0-10 V max. 3 mA
 - Output 20 VDC ($\pm 20\%$) max. 50 mA
 - Output 10 VDC ($+10\%$) max. 10 mA
 - RS485 ebus
 - Alarm relay
 - Line undervoltage detection
 - Motor current limitation
 - Electronics / motor overtemperature protection
 - Locked-rotor protection
 - Soft start
- **EMC:** Interference emission acc. to EN 61000-6-4 (industrial environment)
Interference immunity acc. to EN 61000-6-2 (industrial environment)
Harmonics acc. to DIN EN 61000-3-2/3
- **Leakage current:** < 3.5 mA acc. to EN 61800-5-1
- **Connection leads:** Via terminal strip
- **Protection class:** I (acc. to EN 61800-5-1)
- **Product conforming to standard:** CE
- **Approvals:** VDE, UL, CSA, CCC, GOST are applied for



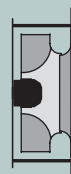
Mass of centrifugal fan



Inlet nozzle (long)



Mass of centrifugal module with support bracket



Mass of centrifugal module with support plate

Centrifugal fan

kg

Inlet nozzle (long)

Centrifugal module w. support bracket

kg

Centrifugal module with support plate

kg

R3G 400-AM56-11

7.7

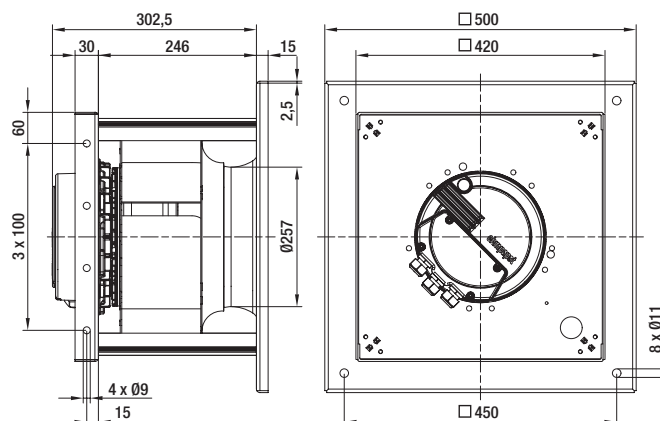
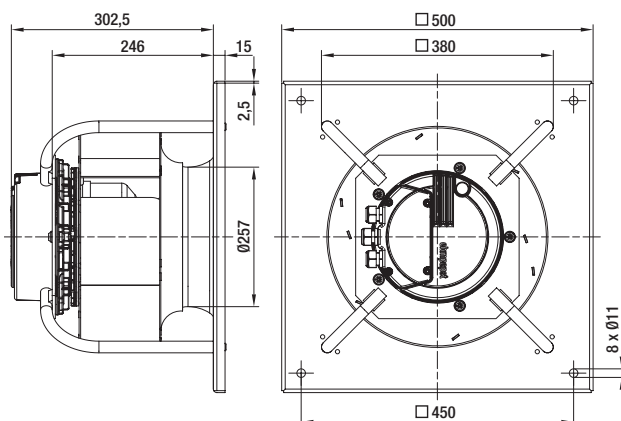
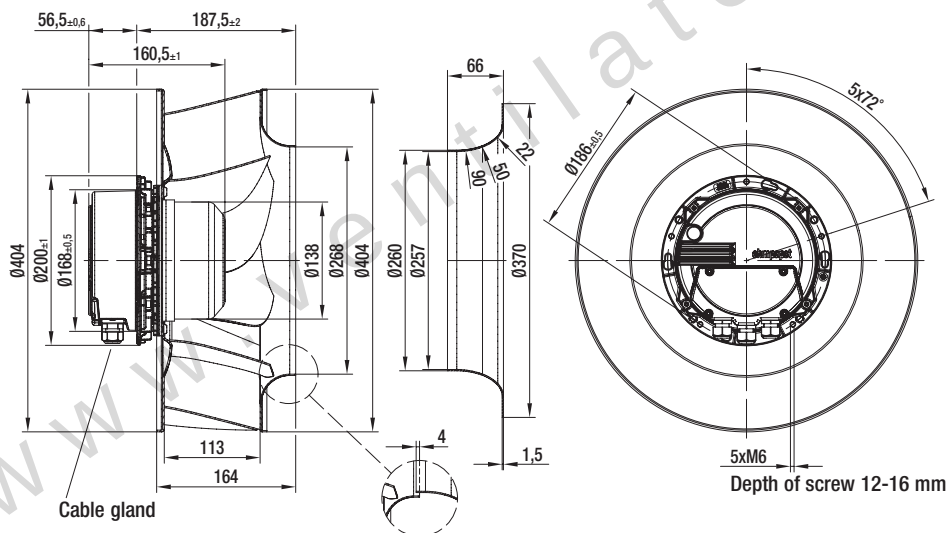
54476-2-4013

K3G 400-AM56-12

16.2

K3G 400-AM56-11

19.0



EC centrifugal fans and modules

backward curved, 3-D, Ø 400



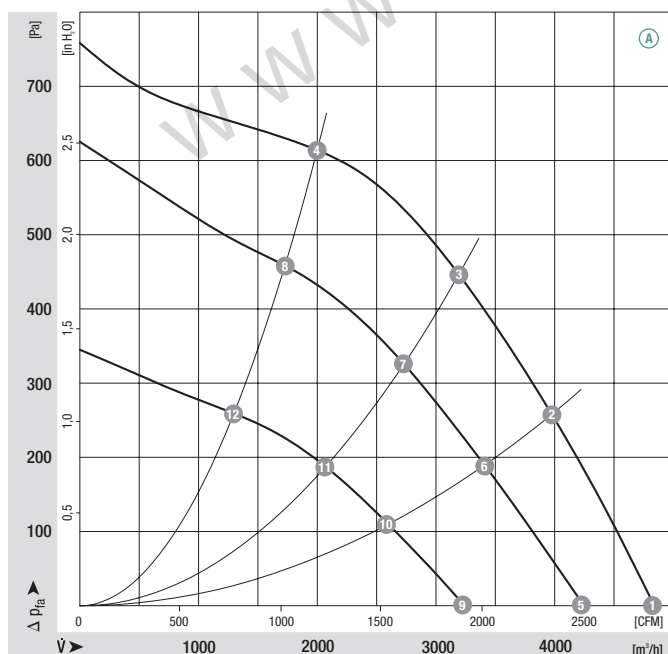
- **Material:** Support bracket: Steel, coated in black
Support plate: Galvanised sheet steel, spacer profiles: Aluminium
Impeller: Sheet aluminium, joined by tabs
Rotor: Coated in black
Electronics enclosure: Die-cast aluminium
- **Number of blades:** 6
- **Direction of rotation:** Clockwise, seen on rotor
- **Type of protection:** IP 54 (acc. to EN 60529)
- **Insulation class:** "F"
- **Mounting position:** Shaft horizontal or rotor on bottom; rotor on top on request
- **Condensate discharges:** Rotor-side
- **Mode of operation:** Continuous operation (S1)
- **Bearings:** Maintenance-free ball bearings

Nominal data		Curve	Nominal voltage range	Frequency	Speed/rpm	Max. power input ⁽¹⁾	Max. current draw ⁽¹⁾	Perm. amb. temp.	Electr. connection
Type	Motor		VAC	Hz	rpm	kW	A	°C	p. 607
*3G 400	M3G 112-EA	Ⓐ	3~ 200-240	50/60	1755	0.77	2.60	-25 to +60	L2)

subject to alterations

(1) Nominal data in operating point with maximum load and 200 VAC

Curves

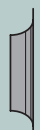


	n [rpm]	P ₁ [kW]	I [A]	L _{wA} [dB(A)]	η _{IL} [%]
Ⓐ 1	1755	0.63	2.20	84	—
Ⓐ 2	1760	0.75	2.50	80	51
Ⓐ 3	1760	0.77	2.60	75	62
Ⓐ 4	1760	0.72	2.40	79	56
Ⓐ 5	1510	0.40	1.60	80	—
Ⓐ 6	1470	0.42	1.60	74	54
Ⓐ 7	1465	0.43	1.60	72	69
Ⓐ 8	1485	0.41	1.60	74	65
Ⓐ 9	1100	0.17	0.80	70	—
Ⓐ 10	1090	0.18	0.80	65	62
Ⓐ 11	1085	0.18	0.80	64	78
Ⓐ 12	1095	0.18	0.80	66	71

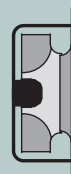
- **Technical features:**
 - PFC (passive)
 - Integrated PID controller
 - Control input 0-10 VDC / PWM
 - Input for sensor 0-10 V or 4-20 mA
- **EMC:** Interference emission acc. to EN 61000-6-3
Interference immunity acc. to EN 61000-6-2
Harmonics acc. to DIN EN 61000-3-2/3
- **Leakage current:** < 3.5 mA acc. to EN 61800-5-1
- **Connection leads:** Via terminal strip
- **Protection class:** I (acc. to EN 61800-5-1)
- **Product conforming to standard:** CE
- **Approvals:** VDE, UL, CSA, CCC, GOST are applied for
- Slave output 0-10 V max. 3 mA
- Output 20 VDC ($\pm 20\%$) max. 50 mA
- Output 10 VDC ($+10\%$) max. 10 mA
- RS485 ebus
- Alarm relay
- Line undervoltage / phase failure detection
- Motor current limitation
- Electronics / motor overtemperature protection
- Locked-rotor protection
- Soft start



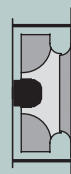
Mass of centrifugal fan



Inlet nozzle (long)

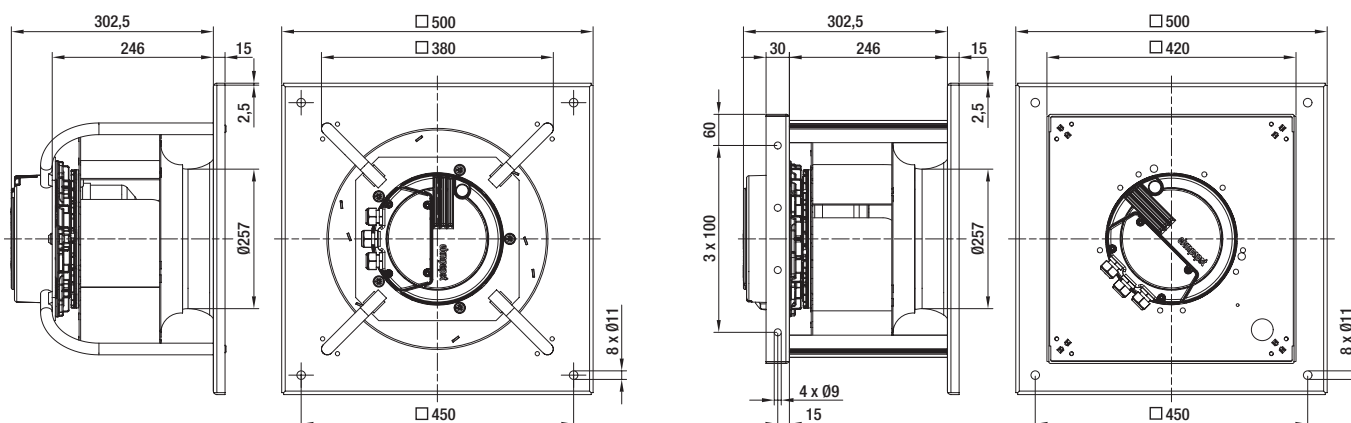
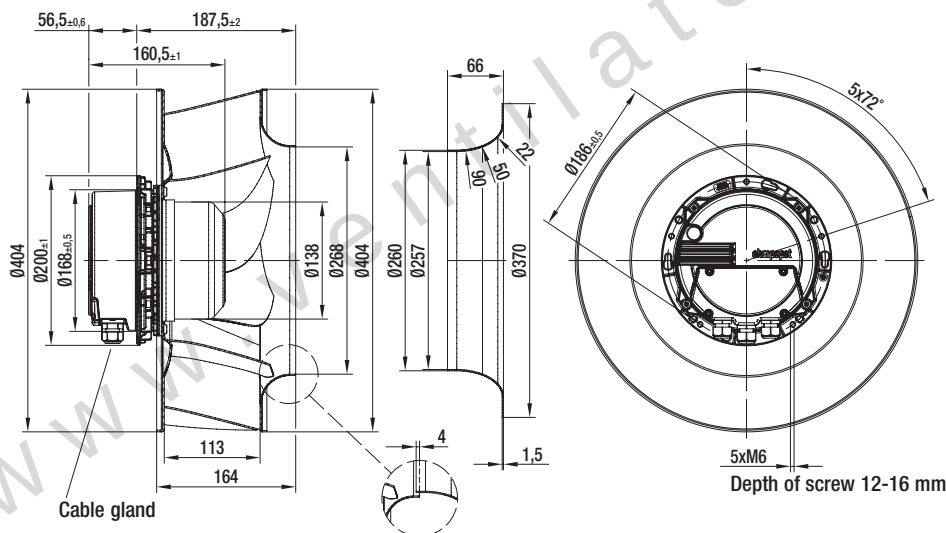


Mass of centrifugal module with support bracket



Mass of centrifugal module with support plate

Centrifugal fan	kg	Inlet nozzle (long)	Centrifugal module w. support bracket	kg	Centrifugal module with support plate	kg
R3G 400-AM61 -06	7.7	54476-2-4013	K3G 400-AM61 -07	16.2	K3G 400-AM61 -06	19.0



EC centrifugal fans and modules

backward curved, 3-D, Ø 400



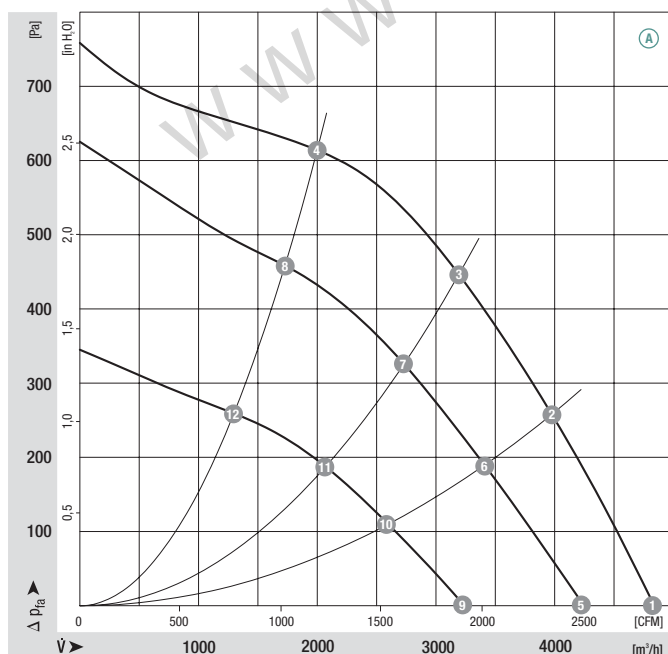
- **Material:** Support bracket: Steel, coated in black
Support plate: Galvanised sheet steel, spacer profiles: Aluminium
Impeller: Sheet aluminium, joined by tabs
Rotor: Coated in black
Electronics enclosure: Die-cast aluminium
- **Number of blades:** 6
- **Direction of rotation:** Clockwise, seen on rotor
- **Type of protection:** IP 54 (acc. to EN 60529)
- **Insulation class:** "F"
- **Mounting position:** Shaft horizontal or rotor on bottom; rotor on top on request
- **Condensate discharges:** Rotor-side
- **Mode of operation:** Continuous operation (S1)
- **Bearings:** Maintenance-free ball bearings

Nominal data		Curve	Nominal voltage range	Frequency	Speed/rpm	Max. power input ⁽¹⁾	Max. current draw ⁽¹⁾	Perm. amb. temp.	Electr. connection
Type	Motor		VAC	Hz	rpm	kW	A	°C	p. 607
*3G 400	M3G 112-EA		3~ 380-480	50/60	1755	0.77	1.30	-25 to +60	L2)

subject to alterations

(1) Nominal data in operating point with maximum load and 400 VAC

Curves

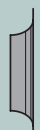


	n [rpm]	P ₁ [kW]	I [A]	L _{wA} [dB(A)]	η _{IL} [%]
Ⓐ 1	1755	0.63	1.10	84	—
Ⓐ 2	1760	0.75	1.30	80	51
Ⓐ 3	1760	0.77	1.30	75	62
Ⓐ 4	1760	0.72	1.20	79	56
Ⓐ 5	1510	0.40	0.80	80	—
Ⓐ 6	1470	0.42	0.80	74	54
Ⓐ 7	1465	0.43	0.80	72	69
Ⓐ 8	1485	0.41	0.80	74	65
Ⓐ 9	1100	0.17	0.40	70	—
Ⓐ 10	1090	0.18	0.40	65	62
Ⓐ 11	1085	0.18	0.40	64	78
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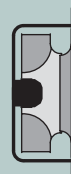
- **Technical features:**
 - PFC (passive)
 - Integrated PID controller
 - Control input 0-10 VDC / PWM
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Harmonics acc. to DIN EN 61000-3-2/3
- **Leakage current:** < 3.5 mA acc. to EN 61800-5-1
- **Connection leads:** Via terminal strip
- **Protection class:** I (acc. to EN 61800-5-1)
- **Product conforming to standard:** CE
- **Approvals:** VDE, UL, CSA, CCC, GOST are applied for
- Slave output 0-10 V max. 3 mA
- Output 20 VDC ($\pm 20\%$) max. 50 mA
- Output 10 VDC ($+10\%$) max. 10 mA
- RS485 ebus
- Alarm relay
- Line undervoltage / phase failure detection
- Motor current limitation
- Electronics / motor overtemperature protection
- Locked-rotor protection
- Soft start



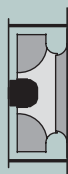
Mass of centrifugal fan



Inlet nozzle (long)



Mass of centrifugal module with support bracket



Mass of centrifugal module with support plate

Centrifugal fan

kg

Inlet nozzle (long)

Centrifugal module w. support bracket

kg

Centrifugal module with support plate

kg

R3G 400-AM55-01

7.7

54476-2-4013

K3G 400-AM55-02

16.2

K3G 400-AM55-01

19.0

