



Axial Fans

TRANSFORMER
COOLING
SOLUTIONS



ISO
9001
QUALITY
ASSURANCE

Transformer Axial Fans

STE Technic designs and manufactures air forced cooling solutions for distribution and power transformers. Our axial fans are engineered especially for conditions and environments of power generation, transmission and distribution sites with wide range of options.

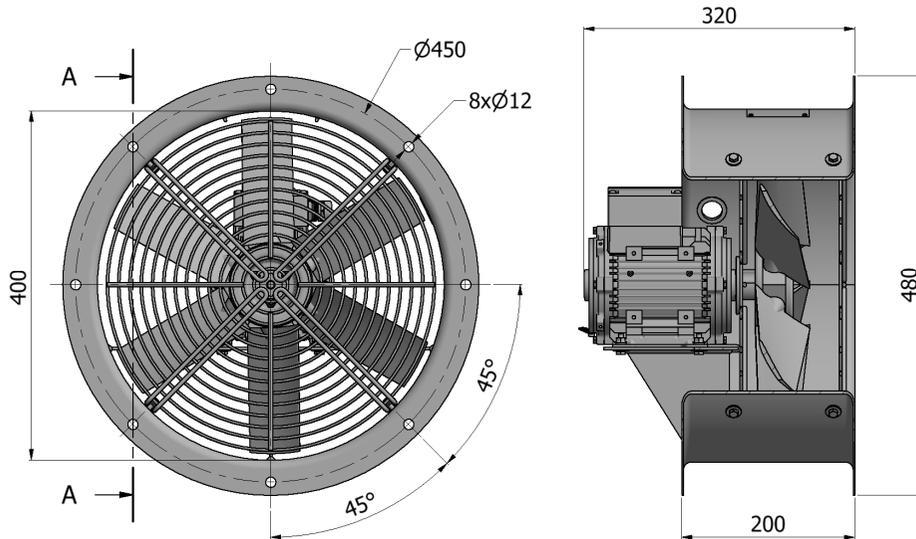
- ✓ ENGINEERED FOR TRANSFORMER OPERATION
- ✓ FULLY CLOSED MOTOR UP TO IP66
- ✓ EASY INSTALLATION
- ✓ HIGH CORROSION RESISTANCE
- ✓ SAFE OPERATION WITH COMPLETE GUARD GRILLES
- ✓ SUITABLE FOR HARSH AMBIENT TEMPERATURES
- ✓ WIDE CUSTOMIZATION OPTIONS
- ✓ ECO DESIGN COMPATIBLE



Standard	IEC 60034-1, IEC 60335-2:80, ISO 5801
Balance Quality	G6.3 according to ISO 1940-1
Tolerance	Class 2 according to DIN 24166
Mounting Position	Horizontal & Vertical
Motor	Asynchronous motor with aluminum body
Winding Insulation	Class F or H
Winding Temperature Rise	Class B
Operation	Indoor & Outdoor
Corrosion Class	C3 / C4 / C5 - Medium / High acc. to ISO12944-2
Fasteners	Stainless Steel



Dimensions



Specification

Number of Poles	4	
Type	A40C-F5	A40C-F6
Frequency (±2%)	50 Hz	60 Hz
Supply Voltage (3phase)	220-240V Δ / 380-420V Y	240-280V Δ / 400-480V Y
Nominal Current	1,2 A / 0,7 A	1,0 A / 0,6 A
Input Power	0,29 kW	0,29 kW
Speed	1440 rpm	1728 rpm
Sound Pressure (L_{PA} 1m/2m)	73 dB(A) / 68 dB(A)	78 dB(A) / 73 dB(A)
Air Flow	1,20 m ³ /s	1,20 m ³ /s
Weight (varies by options)	16 kg	

Air flow and sound pressure level (SPL) are given for free blowing operation with inlet&outlet guard grids. SPL values at 1m are measured from side of the fan. SPL values at 2m are calculated by inverse square law. Declared values may change according to the requested options and configurations.

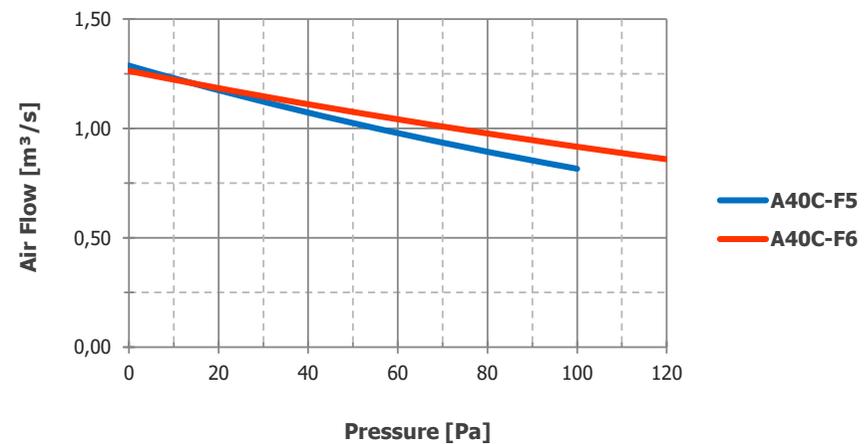
Configuration

Motor Protection Class	<input type="checkbox"/> IP55	<input type="checkbox"/> IP56	<input type="checkbox"/> IP65	<input type="checkbox"/> IP66
Wings	<input type="checkbox"/> GFR Polyamide		<input type="checkbox"/> Aluminum	
Protection Grids	<input type="checkbox"/> Rear		<input type="checkbox"/> Front	
Color (housing,motor,grids)	<input type="checkbox"/> RAL7031	<input type="checkbox"/> RAL7032	<input type="checkbox"/> RAL7033	<input type="checkbox"/> Other RAL
Operation Ambient (°C)	<input type="checkbox"/> -25~+60	<input type="checkbox"/> -25~+70	<input type="checkbox"/> -40~+60	<input type="checkbox"/> -40~+70
Corrosion Class	<input type="checkbox"/> C3	<input type="checkbox"/> C4	<input type="checkbox"/> C5	Medium/High
Tropical Environment	<input type="checkbox"/> No		<input type="checkbox"/> Yes	
Thermal Protection	<input type="checkbox"/> No		<input type="checkbox"/> Yes	

Thermal protection requires an external control unit or relay to operate.

Motor shall be equipped with an embeded space heater for below -25° C ambient and tropical environment.

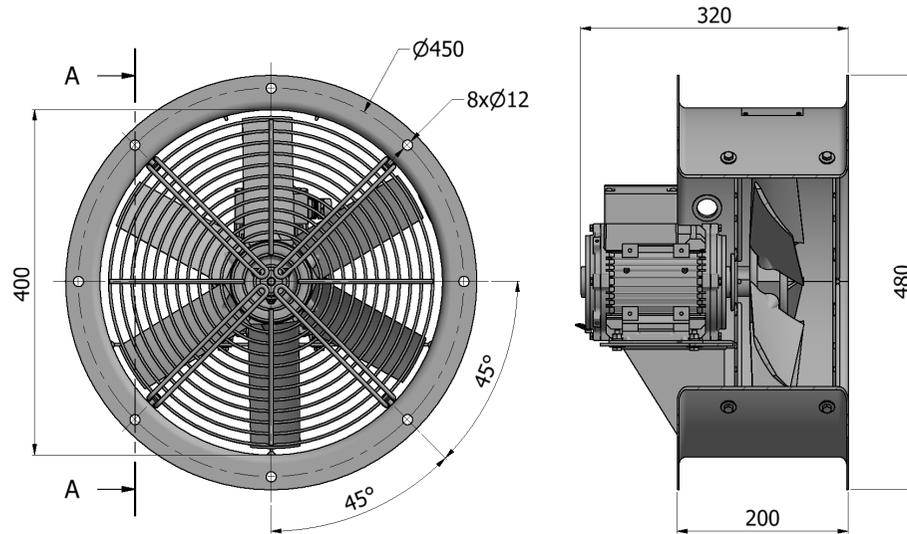
Performance



A40C-B

BALANCED PERFORMANCE AXIAL FAN

Dimensions



Specification

Number of Poles	6	
Type	A40C-B5	A40C-B6
Frequency ($\pm 2\%$)	50 Hz	60 Hz
Supply Voltage (3phase)	220-240V Δ / 380-420V Y	240-280V Δ / 400-480V Y
Nominal Current	0,9 A / 0,5 A	0,9 A / 0,5 A
Input Power	0,13 kW	0,19 kW
Speed	960 rpm	1152 rpm
Sound Pressure (L_{pA} 1m/2m)	63 dB(A) / 58 dB(A)	68 dB(A) / 63 dB(A)
Air Flow	0,81 m ³ /s	0,93 m ³ /s
Weight (varies by options)	16 kg	

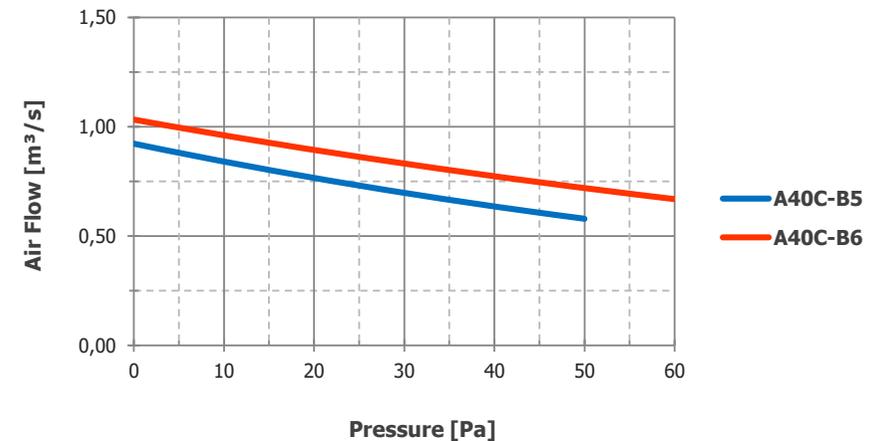
Air flow and sound pressure level (SPL) are given for free blowing operation with inlet&outlet guard grids. SPL values at 1m are measured from side of the fan. SPL values at 2m are calculated by inverse square law. Declared values may change according to the requested options and configurations.

Configuration

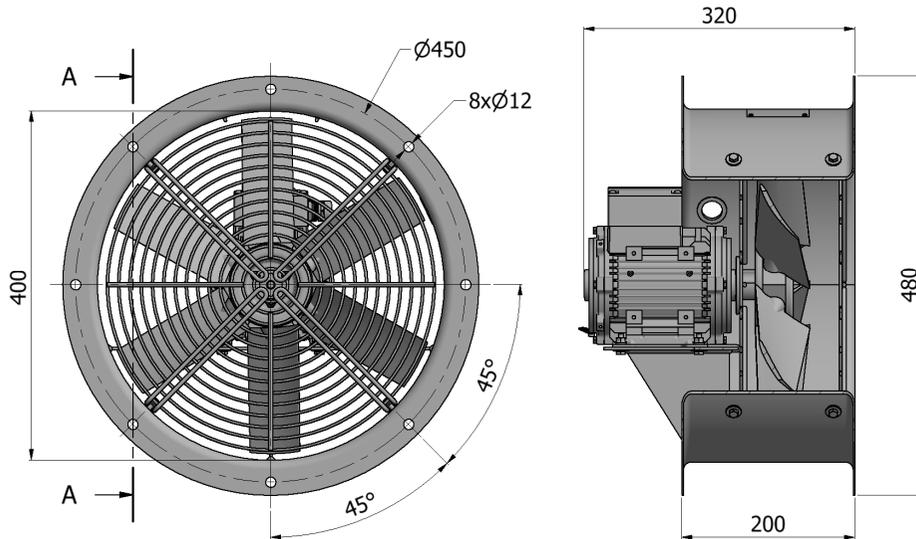
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Wings	<input type="checkbox"/> GFR Polyamide		<input type="checkbox"/> Aluminum	
Protection Grids	<input type="checkbox"/> Rear		<input type="checkbox"/> Front	
Color (housing, motor, grids)	<input type="checkbox"/> RAL7031	<input type="checkbox"/> RAL7032	<input type="checkbox"/> RAL7033	<input type="checkbox"/> Other RAL
Operation Ambient ($^{\circ}$C)	<input type="checkbox"/> -25~+60	<input type="checkbox"/> -25~+70	<input type="checkbox"/> -40~+60	<input type="checkbox"/> -40~+70
Corrosion Class	<input type="checkbox"/> C3	<input type="checkbox"/> C4	<input type="checkbox"/> C5	Medium/High
Tropical Environment	<input type="checkbox"/> No		<input type="checkbox"/> Yes	
Thermal Protection	<input type="checkbox"/> No		<input type="checkbox"/> Yes	

Thermal protection requires an external control unit or relay to operate.
Motor shall be equipped with an embeded space heater for below -25° C ambient and tropical environment.

Performance



Dimensions



Specification

Number of Poles	8	
Type	A40C-S5	A40C-S6
Frequency (±2%)	50 Hz	60 Hz
Supply Voltage (3phase)	220-240V Δ / 380-420V Y	240-280V Δ / 400-480V Y
Nominal Current	0,8 A / 0,5 A	0,8 A / 0,4 A
Input Power	0,10 kW	0,13 kW
Speed	720 rpm	864 rpm
Sound Pressure (L_{PA} 1m/2m)	56 dB(A) / 51 dB(A)	61 dB(A) / 56 dB(A)
Air Flow	0,54 m ³ /s	0,71 m ³ /s
Weight (varies by options)	17 kg	

Air flow and sound pressure level (SPL) are given for free blowing operation with inlet&outlet guard grids. SPL values at 1m are measured from side of the fan. SPL values at 2m are calculated by inverse square law. Declared values may change according to the requested options and configurations.

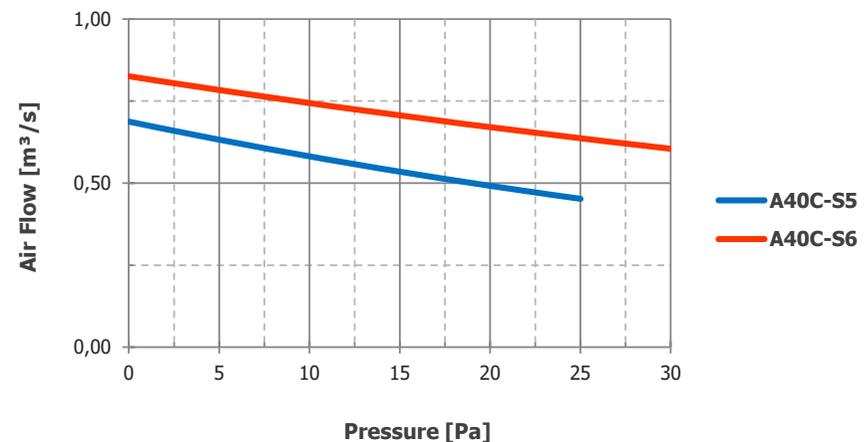
Configuration

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Wings	<input type="checkbox"/> GFR Polyamide		<input type="checkbox"/> Aluminum	
Protection Grids	<input type="checkbox"/> Rear		<input type="checkbox"/> Front	
Color (housing,motor,grids)	<input type="checkbox"/> RAL7031	<input type="checkbox"/> RAL7032	<input type="checkbox"/> RAL7033	<input type="checkbox"/> Other RAL
Operation Ambient (°C)	<input type="checkbox"/> -25~+60	<input type="checkbox"/> -25~+70	<input type="checkbox"/> -40~+60	<input type="checkbox"/> -40~+70
Corrosion Class	<input type="checkbox"/> C3	<input type="checkbox"/> C4	<input type="checkbox"/> C5	Medium/High
Tropical Environment	<input type="checkbox"/> No		<input type="checkbox"/> Yes	
Thermal Protection	<input type="checkbox"/> No		<input type="checkbox"/> Yes	

Thermal protection requires an external control unit or relay to operate.

Motor shall be equipped with an embeded space heater for below -25° C ambient and tropical environment.

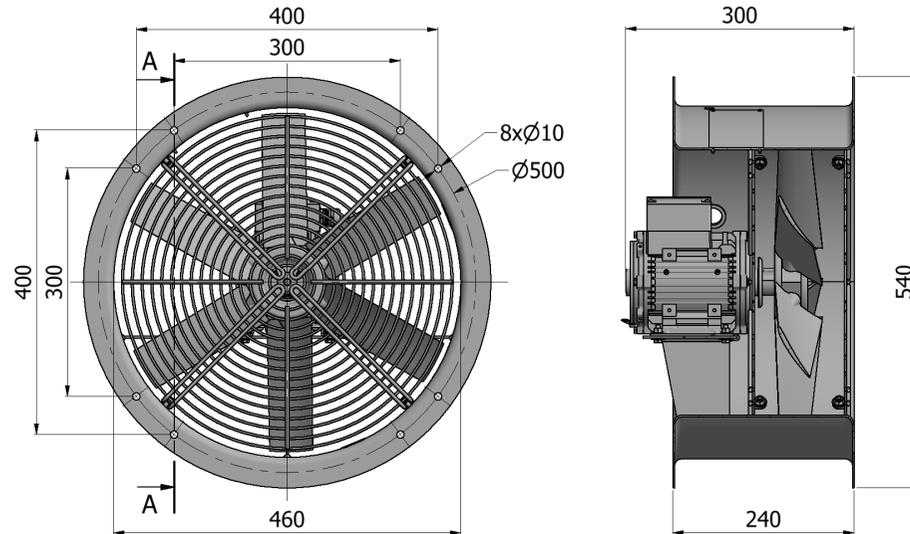
Performance



A46C-F

FLOW OPTIMISED AXIAL FAN

Dimensions



Specification

Number of Poles	4	
Type	A46C-F5	A46C-F6
Frequency ($\pm 2\%$)	50 Hz	60 Hz
Supply Voltage (3phase)	220-240V Δ / 380-420V Y	240-280V Δ / 400-480V Y
Nominal Current	1,7 A / 1,0 A	1,4 A / 0,8 A
Input Power	0,46 kW	0,43 kW
Speed	1440 rpm	1728 rpm
Sound Pressure (L_{pA} 1m/2m)	75 dB(A) / 70 dB(A)	80 dB(A) / 75 dB(A)
Air Flow	1,85 m ³ /s	1,77 m ³ /s
Weight (varies by options)	19 kg	

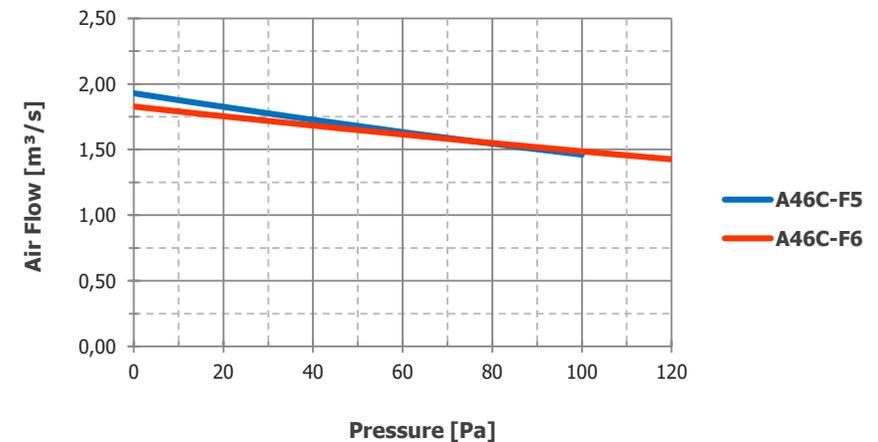
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Configuration

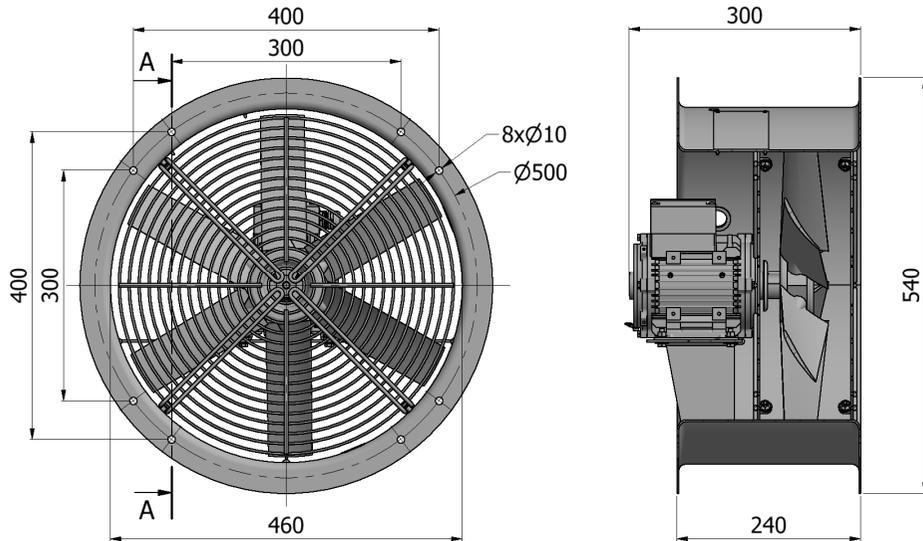
Motor Protection Class	<input type="checkbox"/> IP55	<input type="checkbox"/> IP56	<input type="checkbox"/> IP65	<input type="checkbox"/> IP66
Wings	<input type="checkbox"/> GFR Polyamide		<input type="checkbox"/> Aluminum	
Protection Grids	<input type="checkbox"/> Rear		<input type="checkbox"/> Front	
Color (housing, motor, grids)	<input type="checkbox"/> RAL7031	<input type="checkbox"/> RAL7032	<input type="checkbox"/> RAL7033	<input type="checkbox"/> Other RAL
Operation Ambient ($^{\circ}C$)	<input type="checkbox"/> -25~+60	<input type="checkbox"/> -25~+70	<input type="checkbox"/> -40~+60	<input type="checkbox"/> -40~+70
Corrosion Class	<input type="checkbox"/> C3	<input type="checkbox"/> C4	<input type="checkbox"/> C5	Medium/High
Tropical Environment	<input type="checkbox"/> No		<input type="checkbox"/> Yes	
Thermal Protection	<input type="checkbox"/> No		<input type="checkbox"/> Yes	

Thermal protection requires an external control unit or relay to operate.
Motor shall be equipped with an embeded space heater for below $-25^{\circ}C$ ambient and tropical environment.

Performance



Dimensions



Specification

Number of Poles	6	
Type	A46C-B5	A46C-B6
Frequency ($\pm 2\%$)	50 Hz	60 Hz
Supply Voltage (3phase)	220-240V Δ / 380-420V Y	240-280V Δ / 400-480V Y
Nominal Current	0,9 A / 0,5 A	1,0 A / 0,6 A
Input Power	0,21 kW	0,28 kW
Speed	960 rpm	1152 rpm
Sound Pressure (L_{pA} 1m/2m)	64 dB(A) / 59 dB(A)	69 dB(A) / 64 dB(A)
Air Flow	1,24 m ³ /s	1,44 m ³ /s
Weight (varies by options)	18 kg	

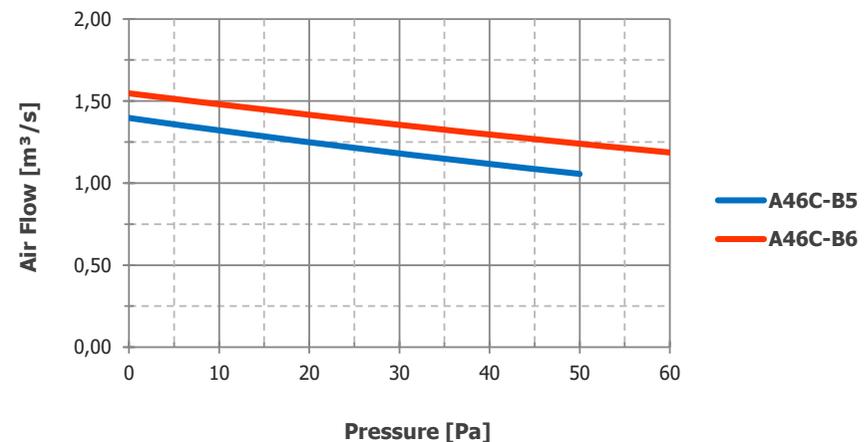
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Configuration

Motor Protection Class	<input type="checkbox"/> IP55	<input type="checkbox"/> IP56	<input type="checkbox"/> IP65	<input type="checkbox"/> IP66
Wings	<input type="checkbox"/> GFR Polyamide	<input type="checkbox"/> Aluminum		
Protection Grids	<input type="checkbox"/> Rear	<input type="checkbox"/> Front		
Color (housing, motor, grids)	<input type="checkbox"/> RAL7031	<input type="checkbox"/> RAL7032	<input type="checkbox"/> RAL7033	<input type="checkbox"/> Other RAL
Operation Ambient (°C)	<input type="checkbox"/> -25~+60	<input type="checkbox"/> -25~+70	<input type="checkbox"/> -40~+60	<input type="checkbox"/> -40~+70
Corrosion Class	<input type="checkbox"/> C3	<input type="checkbox"/> C4	<input type="checkbox"/> C5	Medium/High
Tropical Environment	<input type="checkbox"/> No		<input type="checkbox"/> Yes	
Thermal Protection	<input type="checkbox"/> No		<input type="checkbox"/> Yes	

Thermal protection requires an external control unit or relay to operate.
Motor shall be equipped with an embeded space heater for below -25°C ambient and tropical environment.

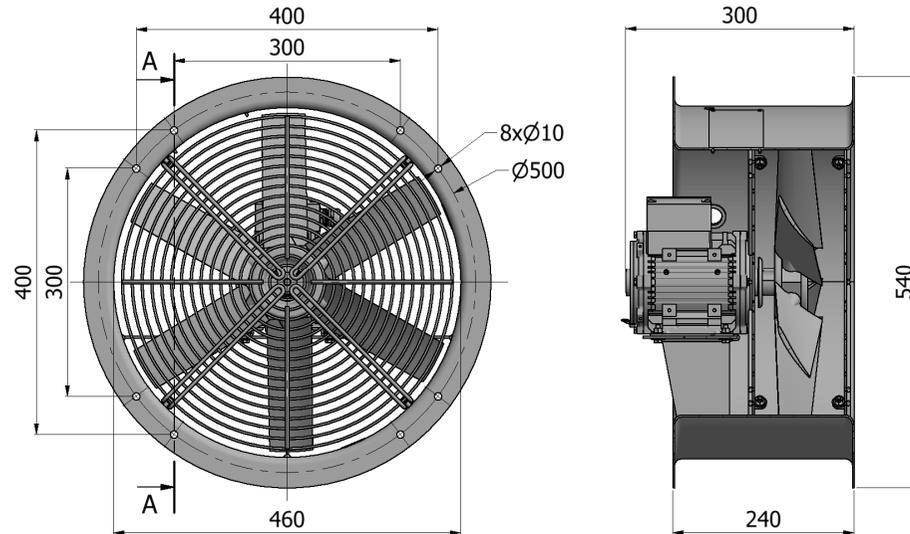
Performance



A46C-S

LOW NOISE AXIAL FAN

Dimensions



Specification

Number of Poles	8	
Type	A46C-S5	A46C-S6
Frequency ($\pm 2\%$)	50 Hz	60 Hz
Supply Voltage (3phase)	220-240V Δ / 380-420V Y	240-280V Δ / 400-480V Y
Nominal Current	0,8 A / 0,5 A	0,8 A / 0,5 A
Input Power	0,13 kW	0,19 kW
Speed	720 rpm	864 rpm
Sound Pressure (L_{pA} 1m/2m)	57 dB(A) / 52 dB(A)	62 dB(A) / 57 dB(A)
Air Flow	0,92 m ³ /s	1,09 m ³ /s
Weight (varies by options)	19 kg	

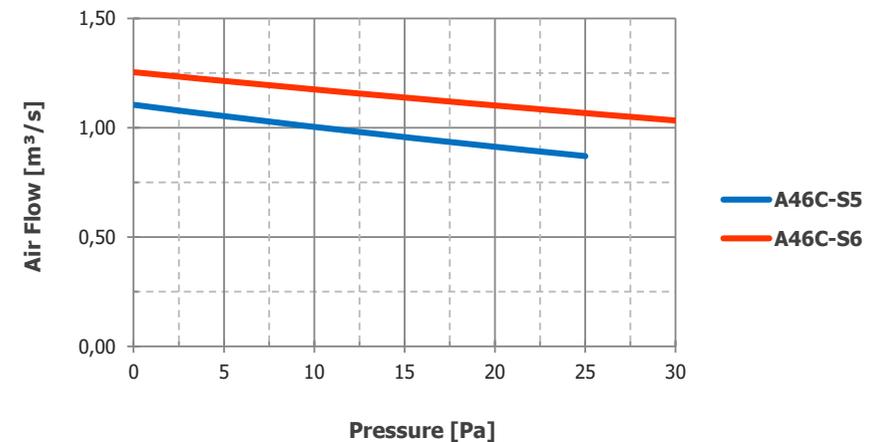
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Configuration

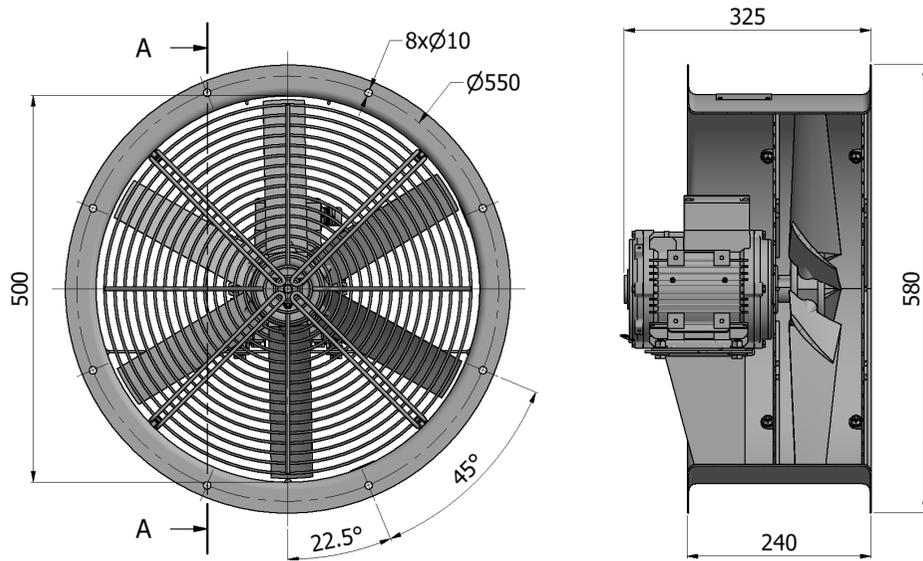
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Wings	<input type="checkbox"/> GFR Polyamide		<input type="checkbox"/> Aluminum	
Protection Grids	<input type="checkbox"/> Rear		<input type="checkbox"/> Front	
Color (housing, motor, grids)	<input type="checkbox"/> RAL7031	<input type="checkbox"/> RAL7032	<input type="checkbox"/> RAL7033	<input type="checkbox"/> Other RAL
Operation Ambient ($^{\circ}C$)	<input type="checkbox"/> -25~+60	<input type="checkbox"/> -25~+70	<input type="checkbox"/> -40~+60	<input type="checkbox"/> -40~+70
Corrosion Class	<input type="checkbox"/> C3	<input type="checkbox"/> C4	<input type="checkbox"/> C5	Medium/High
Tropical Environment	<input type="checkbox"/> No		<input type="checkbox"/> Yes	
Thermal Protection	<input type="checkbox"/> No		<input type="checkbox"/> Yes	

Thermal protection requires an external control unit or relay to operate.
Motor shall be equipped with an embeded space heater for below $-25^{\circ}C$ ambient and tropical environment.

Performance



Dimensions



Specification

Number of Poles	4	
Type	A50C-F5	A50C-F6
Frequency (±2%)	50 Hz	60 Hz
Supply Voltage (3phase)	220-240V Δ / 380-420V Y	240-280V Δ / 400-480V Y
Nominal Current	2,5 A / 1,4 A	2,2 A / 1,3 A
Input Power	0,63 kW	0,70 kW
Speed	1440 rpm	1728 rpm
Sound Pressure (L_{PA} 1m/2m)	76 dB(A) / 71 dB(A)	81 dB(A) / 76 dB(A)
Air Flow	2,29 m ³ /s	2,42 m ³ /s
Weight (varies by options)	23 kg	

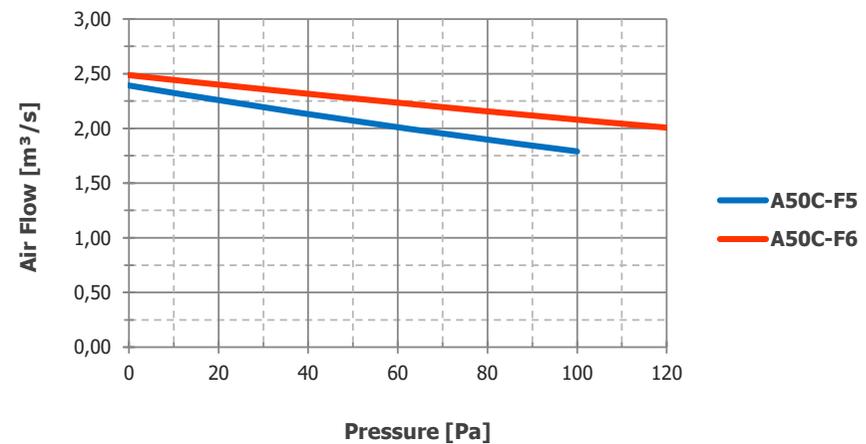
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Configuration

Motor Protection Class	<input type="checkbox"/> IP55	<input type="checkbox"/> IP56	<input type="checkbox"/> IP65	<input type="checkbox"/> IP66
Wings	<input type="checkbox"/> GFR Polyamide		<input type="checkbox"/> Aluminum	
Protection Grids	<input type="checkbox"/> Rear		<input type="checkbox"/> Front	
Color (housing, motor, grids)	<input type="checkbox"/> RAL7031	<input type="checkbox"/> RAL7032	<input type="checkbox"/> RAL7033	<input type="checkbox"/> Other RAL
Operation Ambient (°C)	<input type="checkbox"/> -25~+60	<input type="checkbox"/> -25~+70	<input type="checkbox"/> -40~+60	<input type="checkbox"/> -40~+70
Corrosion Class	<input type="checkbox"/> C3	<input type="checkbox"/> C4	<input type="checkbox"/> C5	Medium/High
Tropical Environment	<input type="checkbox"/> No		<input type="checkbox"/> Yes	
Thermal Protection	<input type="checkbox"/> No		<input type="checkbox"/> Yes	

Thermal protection requires an external control unit or relay to operate.
Motor shall be equipped with an embeded space heater for below -25°C ambient and tropical environment.

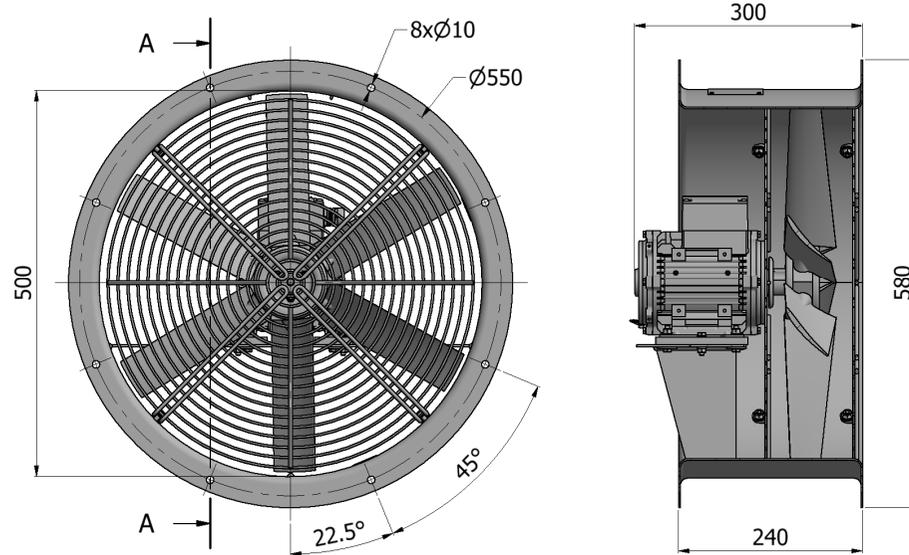
Performance



A50C-B

BALANCED PERFORMANCE AXIAL FAN

Dimensions



Specification

Number of Poles	6	
Type	A50C-B5	A50C-B6
Frequency (±2%)	50 Hz	60 Hz
Supply Voltage (3phase)	220-240V Δ / 380-420V Y	240-280V Δ / 400-480V Y
Nominal Current	1,0 A / 0,5 A	1,0 A / 0,6 A
Input Power	0,22 kW	0,26 kW
Speed	960 rpm	1152 rpm
Sound Pressure (L_{PA} 1m/2m)	65 dB(A) / 60 dB(A)	70 dB(A) / 65 dB(A)
Air Flow	1,45 m ³ /s	1,56 m ³ /s
Weight (varies by options)	20 kg	

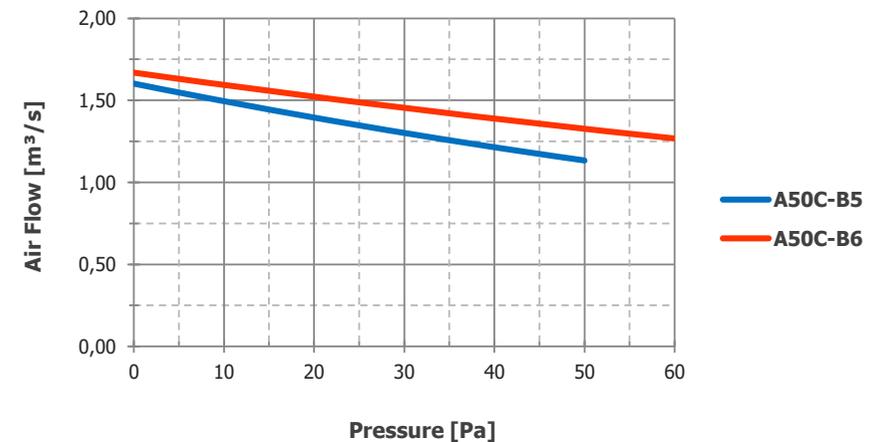
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Configuration

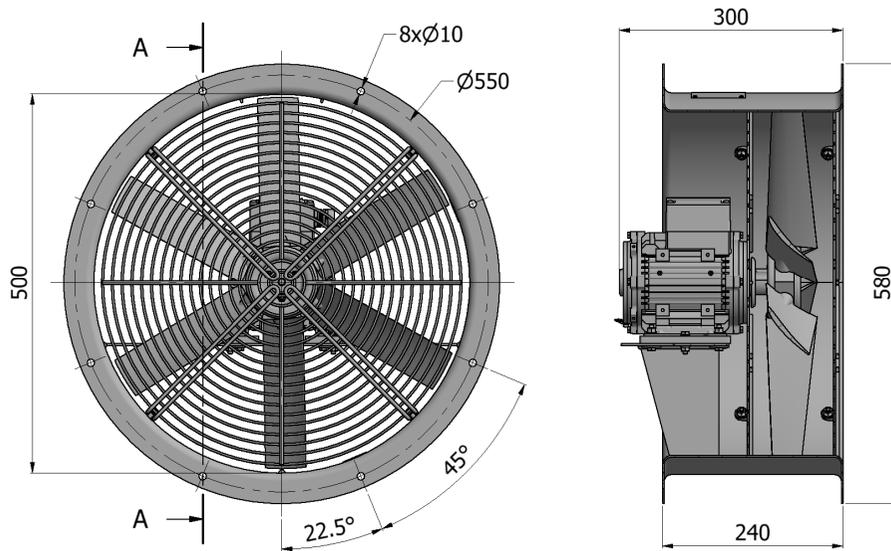
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Wings	<input type="checkbox"/> GFR Polyamide		<input type="checkbox"/> Aluminum	
Protection Grids	<input type="checkbox"/> Rear		<input type="checkbox"/> Front	
Color (housing, motor, grids)	<input type="checkbox"/> RAL7031	<input type="checkbox"/> RAL7032	<input type="checkbox"/> RAL7033	<input type="checkbox"/> Other RAL
Operation Ambient (°C)	<input type="checkbox"/> -25~+60	<input type="checkbox"/> -25~+70	<input type="checkbox"/> -40~+60	<input type="checkbox"/> -40~+70
Corrosion Class	<input type="checkbox"/> C3	<input type="checkbox"/> C4	<input type="checkbox"/> C5	Medium/High
Tropical Environment	<input type="checkbox"/> No		<input type="checkbox"/> Yes	
Thermal Protection	<input type="checkbox"/> No		<input type="checkbox"/> Yes	

Thermal protection requires an external control unit or relay to operate.
Motor shall be equipped with an embeded space heater for below -25° C ambient and tropical environment.

Performance



Dimensions



Specification

Number of Poles	8	
Type	A50C-S5	A50C-S6
Frequency ($\pm 2\%$)	50 Hz	60 Hz
Supply Voltage (3phase)	220-240V Δ / 380-420V Y	240-280V Δ / 400-480V Y
Nominal Current	0,8 A / 0,5 A	0,8 A / 0,5 A
Input Power	0,15 kW	0,20 kW
Speed	720 rpm	864 rpm
Sound Pressure (L_{PA} 1m/2m)	58 dB(A) / 53 dB(A)	63 dB(A) / 58 dB(A)
Air Flow	1,14 m ³ /s	1,28 m ³ /s
Weight (varies by options)	21 kg	

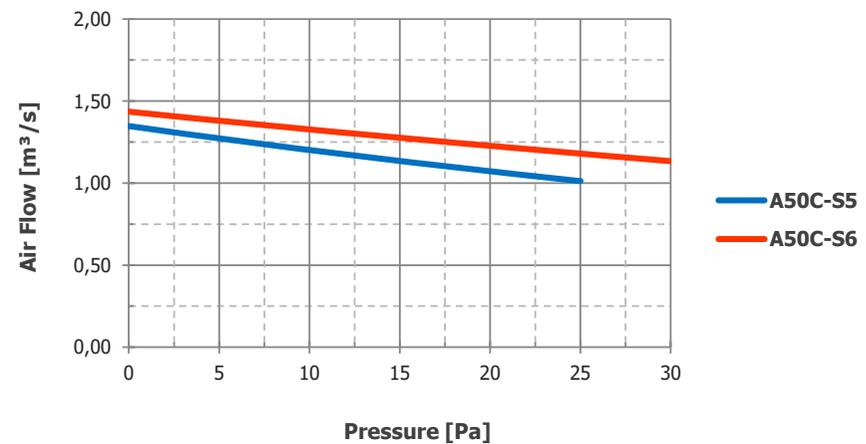
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Configuration

Motor Protection Class	<input type="checkbox"/> IP55	<input type="checkbox"/> IP56	<input type="checkbox"/> IP65	<input type="checkbox"/> IP66
Wings	<input type="checkbox"/> GFR Polyamide	<input type="checkbox"/> Aluminum		
Protection Grids	<input type="checkbox"/> Rear	<input type="checkbox"/> Front		
Color (housing,motor,grids)	<input type="checkbox"/> RAL7031	<input type="checkbox"/> RAL7032	<input type="checkbox"/> RAL7033	<input type="checkbox"/> Other RAL
Operation Ambient ($^{\circ}C$)	<input type="checkbox"/> -25~+60	<input type="checkbox"/> -25~+70	<input type="checkbox"/> -40~+60	<input type="checkbox"/> -40~+70
Corrosion Class	<input type="checkbox"/> C3	<input type="checkbox"/> C4	<input type="checkbox"/> C5	Medium/High
Tropical Environment	<input type="checkbox"/> No		<input type="checkbox"/> Yes	
Thermal Protection	<input type="checkbox"/> No		<input type="checkbox"/> Yes	

*Thermal protection requires an external control unit or relay to operate.
Motor shall be equipped with an embeded space heater for below -25°C ambient and tropical environment.*

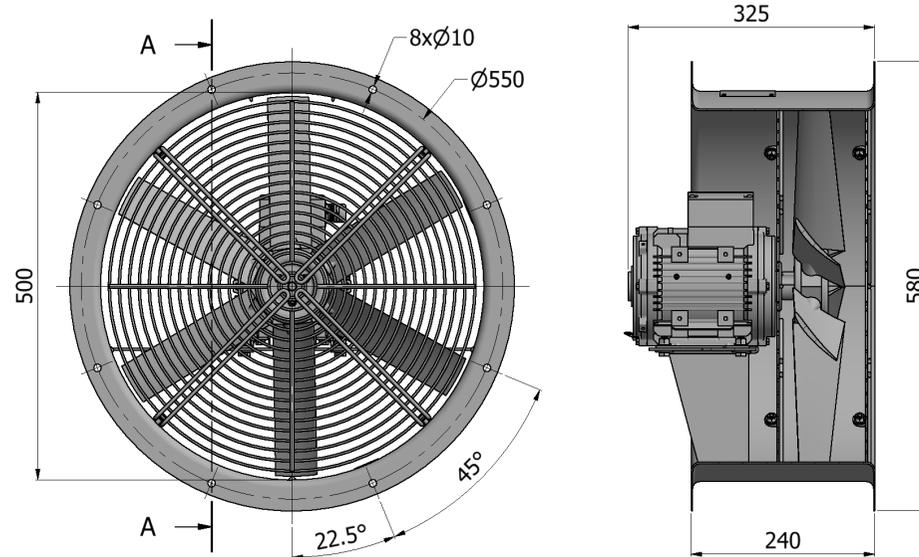
Performance



A50C-U

SILENT AXIAL FAN

Dimensions



Specification

Number of Poles	12	
Type	A50C-U5	A50C-U6
Frequency ($\pm 2\%$)	50 Hz	60 Hz
Supply Voltage (3phase)	220-240V Δ / 380-420V Y	240-280V Δ / 400-480V Y
Nominal Current	1,0 A / 0,5 A	1,0 A / 0,6 A
Input Power	0,13 kW	0,17 kW
Speed	480 rpm	576 rpm
Sound Pressure (L_{pA} 1m/2m)	51 dB(A) / 46 dB(A)	56 dB(A) / 51 dB(A)
Air Flow	1,24 m ³ /s	1,38 m ³ /s
Weight (varies by options)	23 kg	

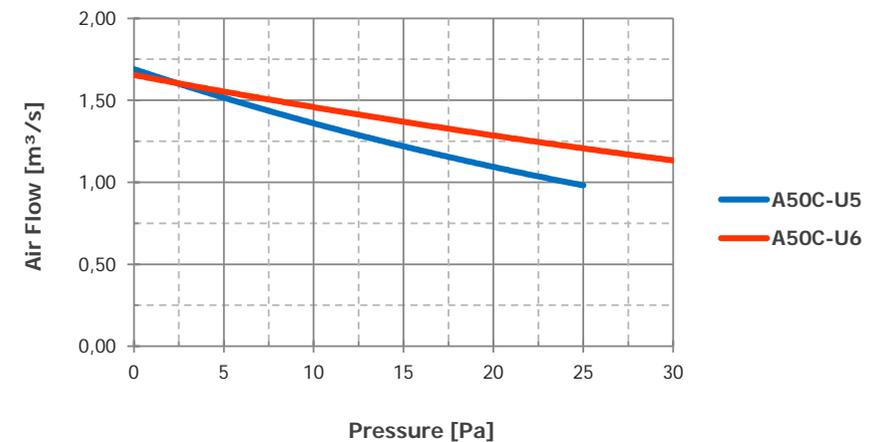
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Configuration

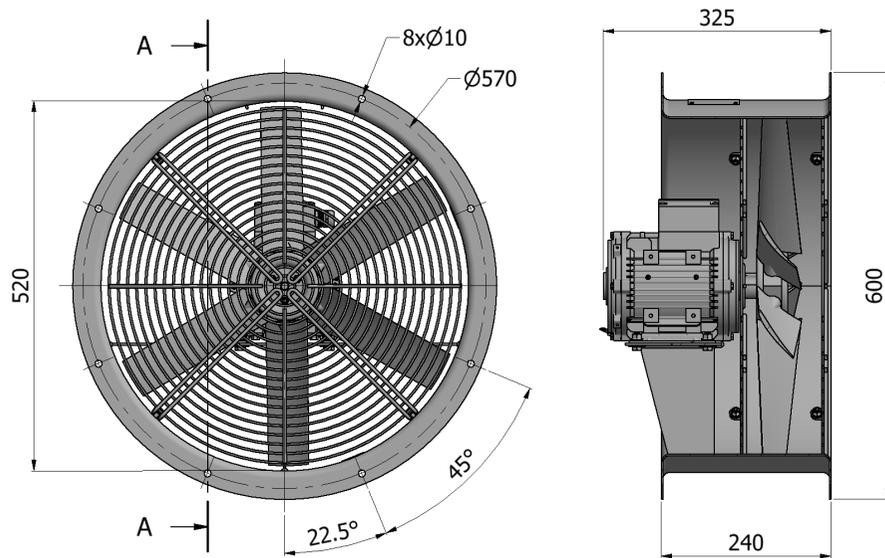
Motor Protection Class	<input type="checkbox"/> IP55	<input type="checkbox"/> IP56	<input type="checkbox"/> IP65	<input type="checkbox"/> IP66
Wings	<input type="checkbox"/> GFR Polyamide			
Protection Grids	<input type="checkbox"/> Rear		<input type="checkbox"/> Front	
Color (housing, motor, grids)	<input type="checkbox"/> RAL7031	<input type="checkbox"/> RAL7032	<input type="checkbox"/> RAL7033	<input type="checkbox"/> Other RAL
Operation Ambient (°C)	<input type="checkbox"/> -25~+60	<input type="checkbox"/> -25~+70	<input type="checkbox"/> -40~+60	<input type="checkbox"/> -40~+70
Corrosion Class	<input type="checkbox"/> C3	<input type="checkbox"/> C4	<input type="checkbox"/> C5	Medium/High
Tropical Environment	<input type="checkbox"/> No		<input type="checkbox"/> Yes	
Thermal Protection	<input type="checkbox"/> No		<input type="checkbox"/> Yes	

Thermal protection requires an external control unit or relay to operate.
Motor shall be equipped with an embedded space heater for below -25° C ambient and tropical environment.

Performance



Dimensions



Specification

Number of Poles	4	
Type	A52C-F5	A52C-F6
Frequency ($\pm 2\%$)	50 Hz	60 Hz
Supply Voltage (3phase)	220-240V Δ / 380-420V Y	240-280V Δ / 400-480V Y
Nominal Current	2,5 A / 1,4 A	2,8 A / 1,6 A
Input Power	0,66 kW	0,77 kW
Speed	1440 rpm	1728 rpm
Sound Pressure (L_{pA} 1m/2m)	77 dB(A) / 72 dB(A)	82 dB(A) / 77 dB(A)
Air Flow	2,53 m ³ /s	2,65 m ³ /s
Weight (varies by options)	23 kg	

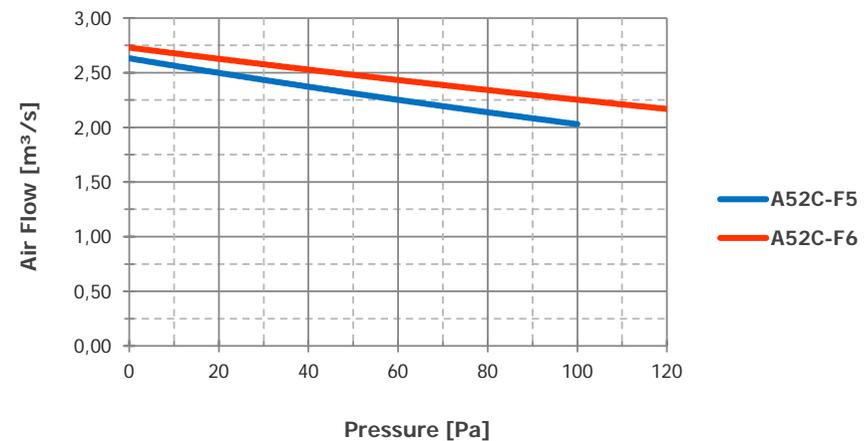
Air flow and sound pressure level (SPL) are given for free blowing operation with inlet&outlet guard grids. SPL values at 1m are measured from side of the fan. SPL values at 2m are calculated by inverse square law. Declared values may change according to the requested options and configurations.

Configuration

Motor Protection Class	<input type="checkbox"/> IP55	<input type="checkbox"/> IP56	<input type="checkbox"/> IP65	<input type="checkbox"/> IP66
Wings	<input type="checkbox"/> GFR Polyamide		<input type="checkbox"/> Aluminum	
Protection Grids	<input type="checkbox"/> Rear		<input type="checkbox"/> Front	
Color (housing,motor,grids)	<input type="checkbox"/> RAL7031	<input type="checkbox"/> RAL7032	<input type="checkbox"/> RAL7033	<input type="checkbox"/> Other RAL
Operation Ambient (°C)	<input type="checkbox"/> -25~+60	<input type="checkbox"/> -25~+70	<input type="checkbox"/> -40~+60	<input type="checkbox"/> -40~+70
Corrosion Class	<input type="checkbox"/> C3	<input type="checkbox"/> C4	<input type="checkbox"/> C5	Medium/High
Tropical Environment	<input type="checkbox"/> No		<input type="checkbox"/> Yes	
Thermal Protection	<input type="checkbox"/> No		<input type="checkbox"/> Yes	

Thermal protection requires an external control unit or relay to operate.
Motor shall be equipped with an embeded space heater for below -25° C ambient and tropical environment.

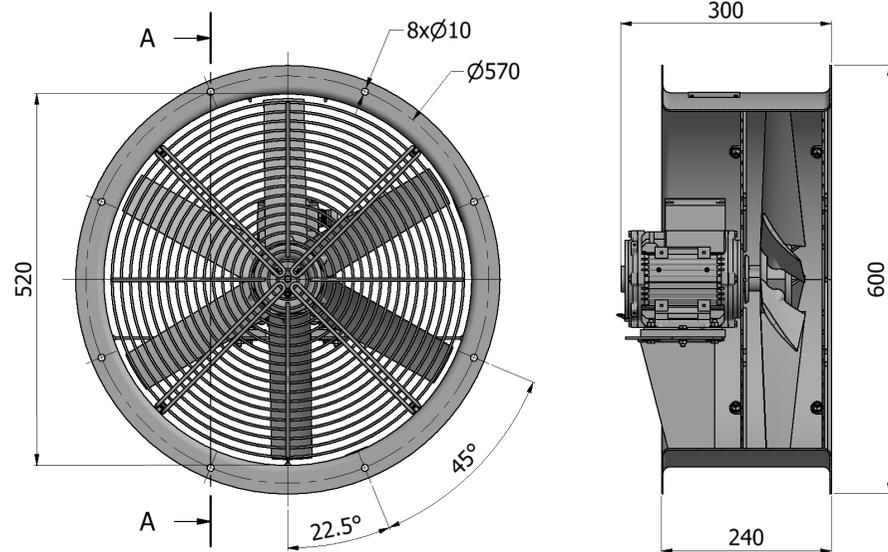
Performance



A52C-B

BALANCED PERFORMANCE AXIAL FAN

Dimensions



Specification

Number of Poles	6	
Type	A52C-B5	A52C-B6
Frequency ($\pm 2\%$)	50 Hz	60 Hz
Supply Voltage (3phase)	220-240V Δ / 380-420V Y	240-280V Δ / 400-480V Y
Nominal Current	1,0 A / 0,6 A	1,2 A / 0,7 A
Input Power	0,24 kW	0,28 kW
Speed	960 rpm	1152 rpm
Sound Pressure (L_{pA} 1m/2m)	66 dB(A) / 61 dB(A)	71 dB(A) / 66 dB(A)
Air Flow	1,60 m ³ /s	1,71 m ³ /s
Weight (varies by options)	21 kg	

Air flow and sound pressure level (SPL) are given for free blowing operation with inlet&outlet guard grids. SPL values at 1m are measured from side of the fan. SPL values at 2m are calculated by inverse square law. Declared values may change according to the requested options and configurations.

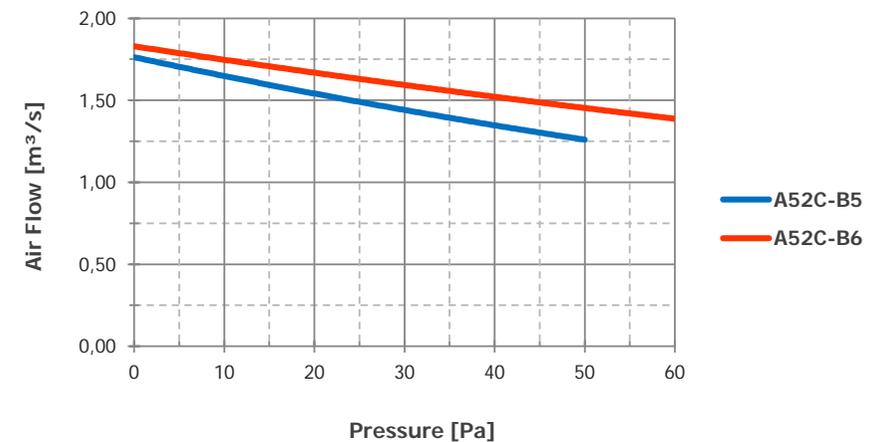
Configuration

Motor Protection Class	<input type="checkbox"/> IP55	<input type="checkbox"/> IP56	<input type="checkbox"/> IP65	<input type="checkbox"/> IP66
Wings	<input type="checkbox"/> GFR Polyamide		<input type="checkbox"/> Aluminum	
Protection Grids	<input type="checkbox"/> Rear		<input type="checkbox"/> Front	
Color (housing, motor, grids)	<input type="checkbox"/> RAL7031	<input type="checkbox"/> RAL7032	<input type="checkbox"/> RAL7033	<input type="checkbox"/> Other RAL
Operation Ambient (°C)	<input type="checkbox"/> -25~+60	<input type="checkbox"/> -25~+70	<input type="checkbox"/> -40~+60	<input type="checkbox"/> -40~+70
Corrosion Class	<input type="checkbox"/> C3	<input type="checkbox"/> C4	<input type="checkbox"/> C5	Medium/High
Tropical Environment	<input type="checkbox"/> No		<input type="checkbox"/> Yes	
Thermal Protection	<input type="checkbox"/> No		<input type="checkbox"/> Yes	

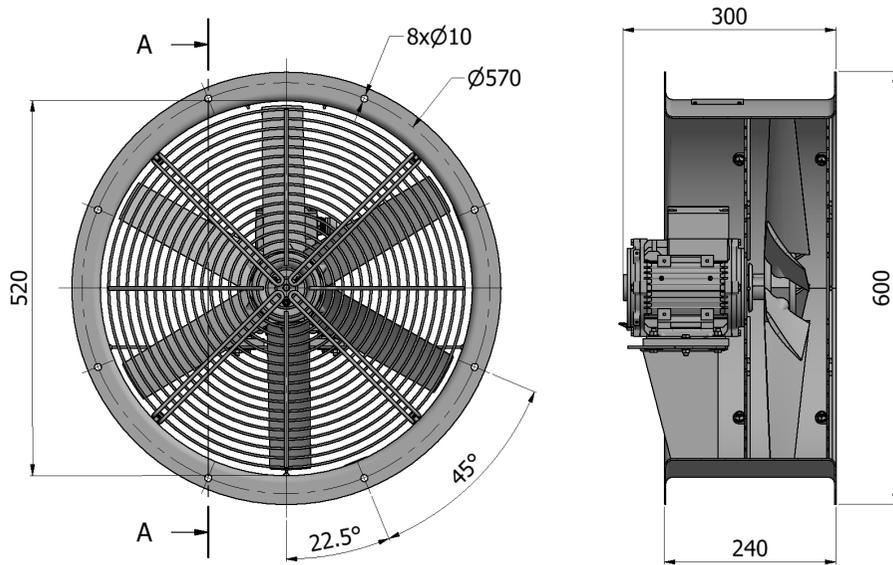
Thermal protection requires an external control unit or relay to operate.

Motor shall be equipped with an embedded space heater for below -25° C ambient and tropical environment.

Performance



Dimensions



Configuration

Motor Protection Class	<input type="checkbox"/> IP55	<input type="checkbox"/> IP56	<input type="checkbox"/> IP65	<input type="checkbox"/> IP66
Wings	<input type="checkbox"/> GFR Polyamide		<input type="checkbox"/> Aluminum	
Protection Grids	<input type="checkbox"/> Rear		<input type="checkbox"/> Front	
Color (housing,motor,grids)	<input type="checkbox"/> RAL7031	<input type="checkbox"/> RAL7032	<input type="checkbox"/> RAL7033	<input type="checkbox"/> Other RAL
Operation Ambient (°C)	<input type="checkbox"/> -25~+60	<input type="checkbox"/> -25~+70	<input type="checkbox"/> -40~+60	<input type="checkbox"/> -40~+70
Corrosion Class	<input type="checkbox"/> C3	<input type="checkbox"/> C4	<input type="checkbox"/> C5	Medium/High
Tropical Environment	<input type="checkbox"/> No		<input type="checkbox"/> Yes	
Thermal Protection	<input type="checkbox"/> No		<input type="checkbox"/> Yes	

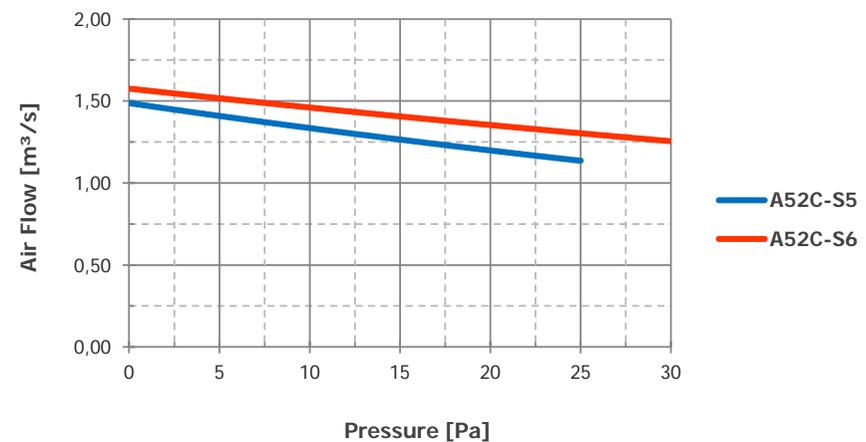
Thermal protection requires an external control unit or relay to operate.
Motor shall be equipped with an embeded space heater for below -25° C ambient and tropical environment.

Specification

Number of Poles	8	
Type	A52C-S5	A52C-S6
Frequency (±2%)	50 Hz	60 Hz
Supply Voltage (3phase)	220-240V Δ / 380-420V Y	240-280V Δ / 400-480V Y
Nominal Current	0,8 A / 0,5 A	0,8 A / 0,5 A
Input Power	0,17 kW	0,22 kW
Speed	720 rpm	864 rpm
Sound Pressure (L_{PA} 1m/2m)	60 dB(A) / 55 dB(A)	65 dB(A) / 60 dB(A)
Air Flow	1,27 m ³ /s	1,41 m ³ /s
Weight (varies by options)	21 kg	

Air flow and sound pressure level (SPL) are given for free blowing operation with inlet&outlet guard grids. SPL values at 1m are measured from side of the fan. SPL values at 2m are calculated by inverse square law. Declared values may change according to the requested options and configurations.

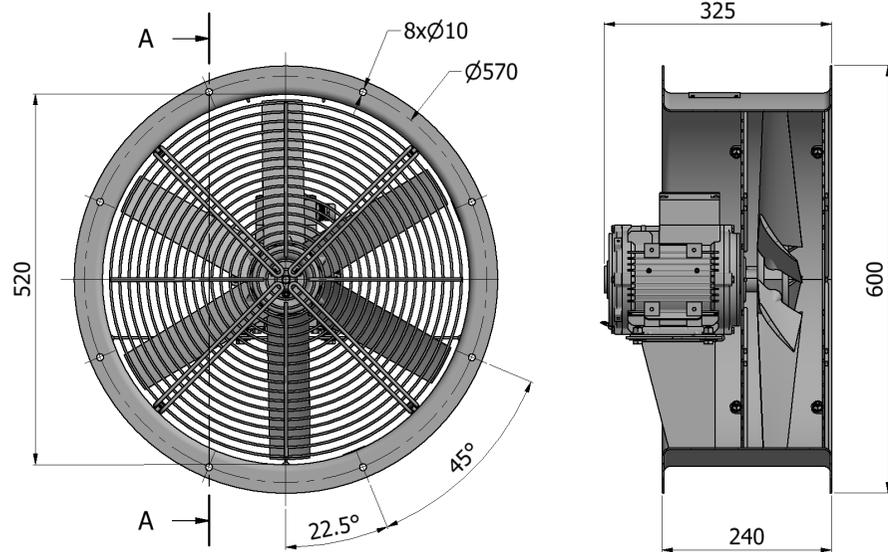
Performance



A52C-U

SILENT AXIAL FAN

Dimensions



Specification

Number of Poles	12	
Type	A52C-U5	A52C-U6
Frequency ($\pm 2\%$)	50 Hz	60 Hz
Supply Voltage (3phase)	220-240V Δ / 380-420V Y	240-280V Δ / 400-480V Y
Nominal Current	1,0 A / 0,6 A	1,0 A / 0,6 A
Input Power	0,14 kW	0,22 kW
Speed	480 rpm	576 rpm
Sound Pressure (L_{pA} 1m/2m)	53 dB(A) / 48 dB(A)	58 dB(A) / 53 dB(A)
Air Flow	1,17 m ³ /s	1,31 m ³ /s
Weight (varies by options)	23 kg	

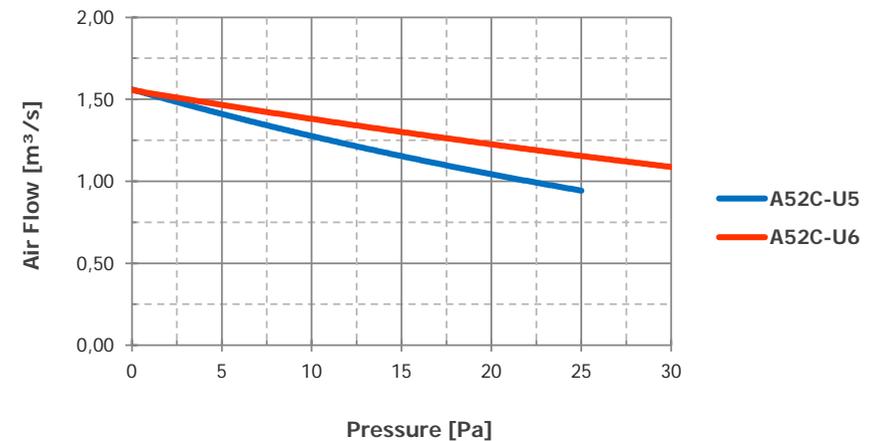
Air flow and sound pressure level (SPL) are given for free blowing operation with inlet&outlet guard grids. SPL values at 1m are measured from side of the fan. SPL values at 2m are calculated by inverse square law. Declared values may change according to the requested options and configurations.

Configuration

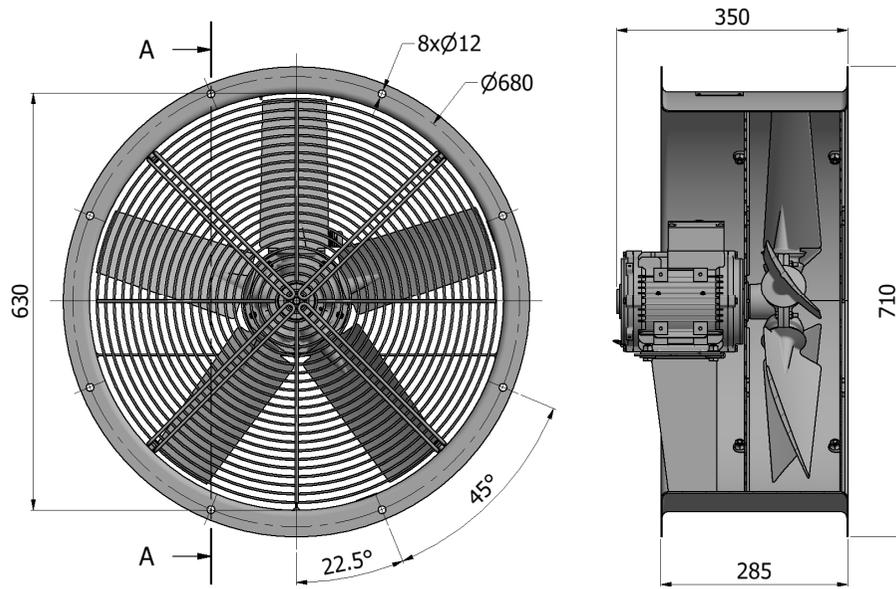
Motor Protection Class	<input type="checkbox"/> IP55	<input type="checkbox"/> IP56	<input type="checkbox"/> IP65	<input type="checkbox"/> IP66
Wings	<input type="checkbox"/> GFR Polyamide			
Protection Grids	<input type="checkbox"/> Rear		<input type="checkbox"/> Front	
Color (housing, motor, grids)	<input type="checkbox"/> RAL7031	<input type="checkbox"/> RAL7032	<input type="checkbox"/> RAL7033	<input type="checkbox"/> Other RAL
Operation Ambient (°C)	<input type="checkbox"/> -25~+60	<input type="checkbox"/> -25~+70	<input type="checkbox"/> -40~+60	<input type="checkbox"/> -40~+70
Corrosion Class	<input type="checkbox"/> C3	<input type="checkbox"/> C4	<input type="checkbox"/> C5	Medium/High
Tropical Environment	<input type="checkbox"/> No		<input type="checkbox"/> Yes	
Thermal Protection	<input type="checkbox"/> No		<input type="checkbox"/> Yes	

Thermal protection requires an external control unit or relay to operate.
Motor shall be equipped with an embedded space heater for below -25° C ambient and tropical environment.

Performance



Dimensions



Configuration

Motor Protection Class	<input type="checkbox"/> IP55	<input type="checkbox"/> IP56	<input type="checkbox"/> IP65	<input type="checkbox"/> IP66
Wings	<input type="checkbox"/> GFR Polyamide		<input type="checkbox"/> Aluminum	
Protection Grids	<input type="checkbox"/> Rear		<input type="checkbox"/> Front	
Color (housing, motor, grids)	<input type="checkbox"/> RAL7031	<input type="checkbox"/> RAL7032	<input type="checkbox"/> RAL7033	<input type="checkbox"/> Other RAL
Operation Ambient (°C)	<input type="checkbox"/> -25~+60	<input type="checkbox"/> -25~+70	<input type="checkbox"/> -40~+60	<input type="checkbox"/> -40~+70
Corrosion Class	<input type="checkbox"/> C3	<input type="checkbox"/> C4	<input type="checkbox"/> C5	Medium/High
Tropical Environment	<input type="checkbox"/> No		<input type="checkbox"/> Yes	
Thermal Protection	<input type="checkbox"/> No		<input type="checkbox"/> Yes	

Thermal protection requires an external control unit or relay to operate.

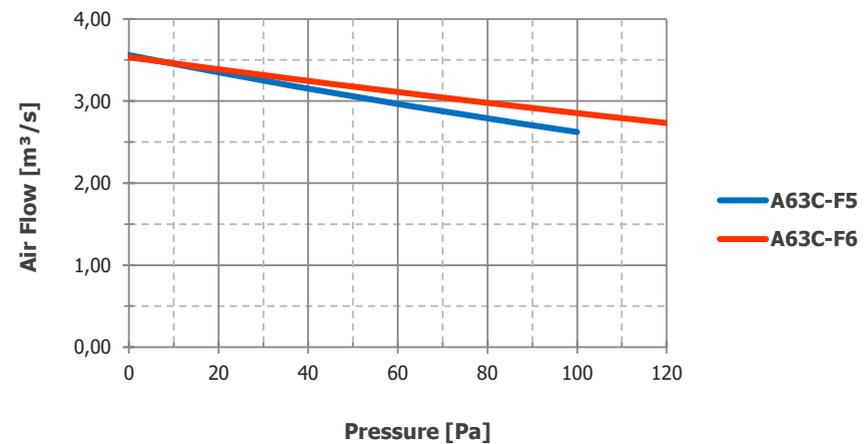
Motor shall be equipped with an embeded space heater for below -25°C ambient and tropical environment.

Specification

Number of Poles	4	
Type	A63C-F5	A63C-F6
Frequency (±2%)	50 Hz	60 Hz
Supply Voltage (3phase)	220-240V Δ / 380-420V Y	240-280V Δ / 400-480V Y
Nominal Current	3,2 A / 1,8 A	2,9 A / 1,7 A
Input Power	0,86 kW	0,89 kW
Speed	1440 rpm	1728 rpm
Sound Pressure (L _{PA} 1m/2m)	79 dB(A) / 74 dB(A)	84 dB(A) / 79 dB(A)
Air Flow	3,40 m ³ /s	3,42 m ³ /s
Weight (varies by options)	31 kg	

Air flow and sound pressure level (SPL) are given for free blowing operation with inlet&outlet guard grids. SPL values at 1m are measured from side of the fan. SPL values at 2m are calculated by inverse square law. Declared values may change according to the requested options and configurations.

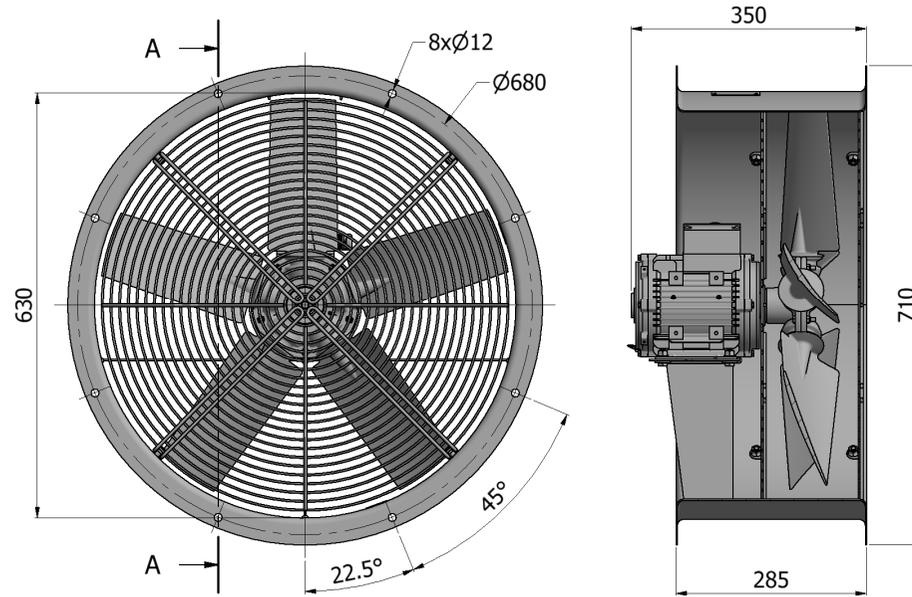
Performance



A63C-B

BALANCED PERFORMANCE AXIAL FAN

Dimensions



Configuration

Motor Protection Class	<input type="checkbox"/> IP55	<input type="checkbox"/> IP56	<input type="checkbox"/> IP65	<input type="checkbox"/> IP66
Wings	<input type="checkbox"/> GFR Polyamide		<input type="checkbox"/> Aluminum	
Protection Grids	<input type="checkbox"/> Rear		<input type="checkbox"/> Front	
Color (housing, motor, grids)	<input type="checkbox"/> RAL7031	<input type="checkbox"/> RAL7032	<input type="checkbox"/> RAL7033	<input type="checkbox"/> Other RAL
Operation Ambient (°C)	<input type="checkbox"/> -25~+60	<input type="checkbox"/> -25~+70	<input type="checkbox"/> -40~+60	<input type="checkbox"/> -40~+70
Corrosion Class	<input type="checkbox"/> C3	<input type="checkbox"/> C4	<input type="checkbox"/> C5	Medium/High
Tropical Environment	<input type="checkbox"/> No		<input type="checkbox"/> Yes	
Thermal Protection	<input type="checkbox"/> No		<input type="checkbox"/> Yes	

Thermal protection requires an external control unit or relay to operate.

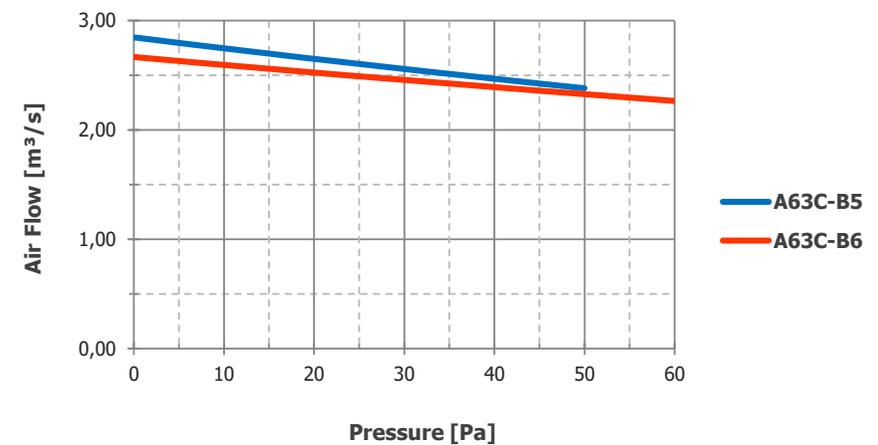
Motor shall be equipped with an embeded space heater for below -25° C ambient and tropical environment.

Specification

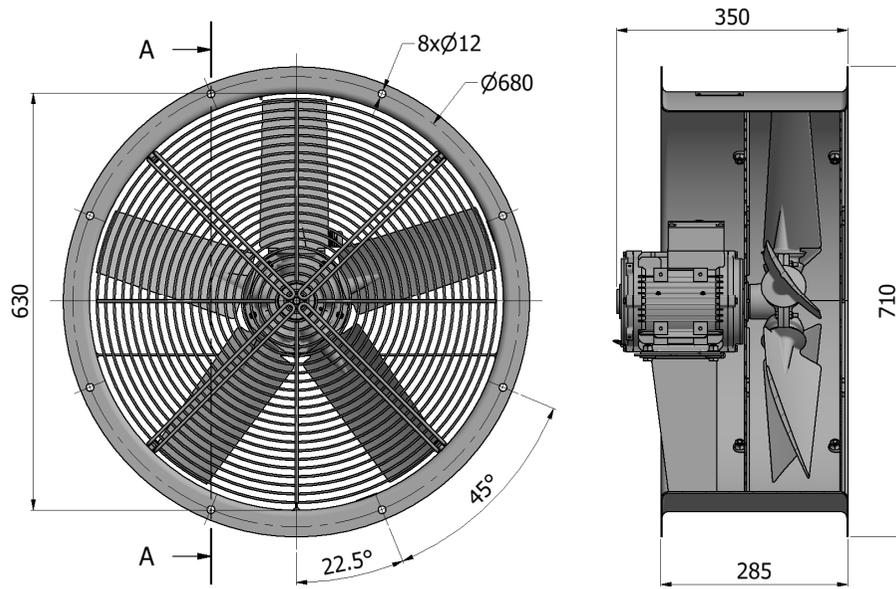
Number of Poles	6	
Type	A63C-B5	A63C-B6
Frequency (±2%)	50 Hz	60 Hz
Supply Voltage (3phase)	220-240V Δ / 380-420V Y	240-280V Δ / 400-480V Y
Nominal Current	1,8 A / 1,1 A	1,7 A / 1,0 A
Input Power	0,48 kW	0,49 kW
Speed	960 rpm	1152 rpm
Sound Pressure (L_{pA} 1m/2m)	69 dB(A) / 64 dB(A)	74 dB(A) / 69 dB(A)
Air Flow	2,70 m ³ /s	2,56 m ³ /s
Weight (varies by options)	29 kg	

Air flow and sound pressure level (SPL) are given for free blowing operation with inlet&outlet guard grids. SPL values at 1m are measured from side of the fan. SPL values at 2m are calculated by inverse square law. Declared values may change according to the requested options and configurations.

Performance



Dimensions



Configuration

Motor Protection Class	<input type="checkbox"/> IP55	<input type="checkbox"/> IP56	<input type="checkbox"/> IP65	<input type="checkbox"/> IP66
Wings	<input type="checkbox"/> GFR Polyamide		<input type="checkbox"/> Aluminum	
Protection Grids	<input type="checkbox"/> Rear		<input type="checkbox"/> Front	
Color (housing,motor,grids)	<input type="checkbox"/> RAL7031	<input type="checkbox"/> RAL7032	<input type="checkbox"/> RAL7033	<input type="checkbox"/> Other RAL
Operation Ambient (°C)	<input type="checkbox"/> -25~+60	<input type="checkbox"/> -25~+70	<input type="checkbox"/> -40~+60	<input type="checkbox"/> -40~+70
Corrosion Class	<input type="checkbox"/> C3	<input type="checkbox"/> C4	<input type="checkbox"/> C5	Medium/High
Tropical Environment	<input type="checkbox"/> No		<input type="checkbox"/> Yes	
Thermal Protection	<input type="checkbox"/> No		<input type="checkbox"/> Yes	

Thermal protection requires an external control unit or relay to operate.

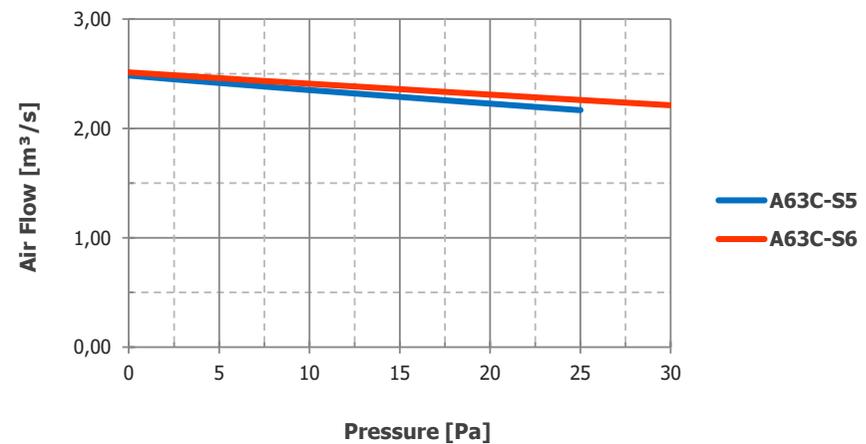
Motor shall be equipped with an embeded space heater for below -25°C ambient and tropical environment.

Specification

Number of Poles	8	
Type	A63C-S5	A63C-S6
Frequency (±2%)	50 Hz	60 Hz
Supply Voltage (3phase)	220-240V Δ / 380-420V Y	240-280V Δ / 400-480V Y
Nominal Current	1,5 A / 0,9 A	1,5 A / 0,8 A
Input Power	0,34 kW	0,38 kW
Speed	720 rpm	864 rpm
Sound Pressure (L _{PA} 1m/2m)	63 dB(A) / 58 dB(A)	68 dB(A) / 63 dB(A)
Air Flow	2,29 m ³ /s	2,36 m ³ /s
Weight (varies by options)	30 kg	

Air flow and sound pressure level (SPL) are given for free blowing operation with inlet&outlet guard grids. SPL values at 1m are measured from side of the fan. SPL values at 2m are calculated by inverse square law. Declared values may change according to the requested options and configurations.

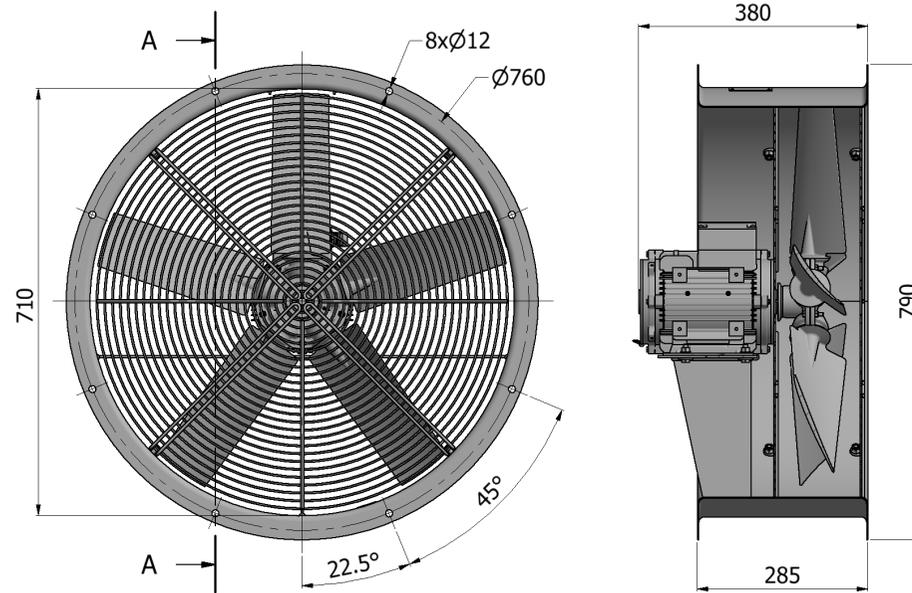
Performance



A71C-F

FLOW OPTIMISED AXIAL FAN

Dimensions



Configuration

Motor Protection Class	<input type="checkbox"/> IP55	<input type="checkbox"/> IP56	<input type="checkbox"/> IP65	<input type="checkbox"/> IP66
Wings	<input type="checkbox"/> GFR Polyamide		<input type="checkbox"/> Aluminum	
Protection Grids	<input type="checkbox"/> Rear		<input type="checkbox"/> Front	
Color (housing, motor, grids)	<input type="checkbox"/> RAL7031	<input type="checkbox"/> RAL7032	<input type="checkbox"/> RAL7033	<input type="checkbox"/> Other RAL
Operation Ambient (°C)	<input type="checkbox"/> -25~+60	<input type="checkbox"/> -25~+70	<input type="checkbox"/> -40~+60	<input type="checkbox"/> -40~+70
Corrosion Class	<input type="checkbox"/> C3	<input type="checkbox"/> C4	<input type="checkbox"/> C5	Medium/High
Tropical Environment	<input type="checkbox"/> No		<input type="checkbox"/> Yes	
Thermal Protection	<input type="checkbox"/> No		<input type="checkbox"/> Yes	

Thermal protection requires an external control unit or relay to operate.

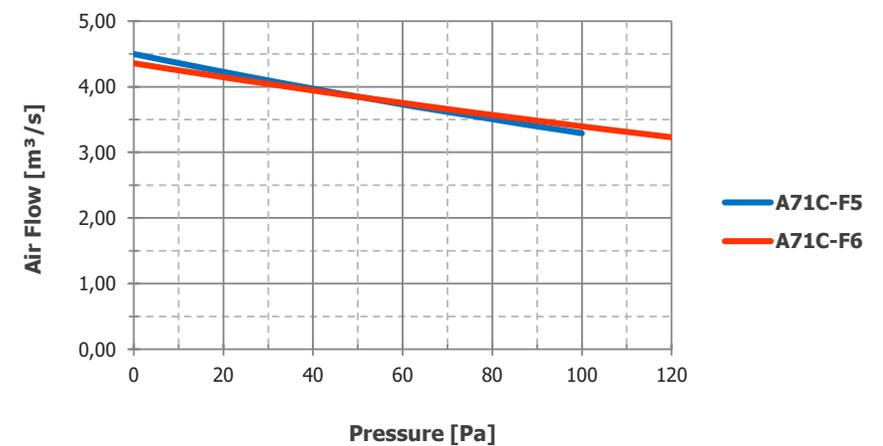
Motor shall be equipped with an embedded space heater for below -25°C ambient and tropical environment.

Specification

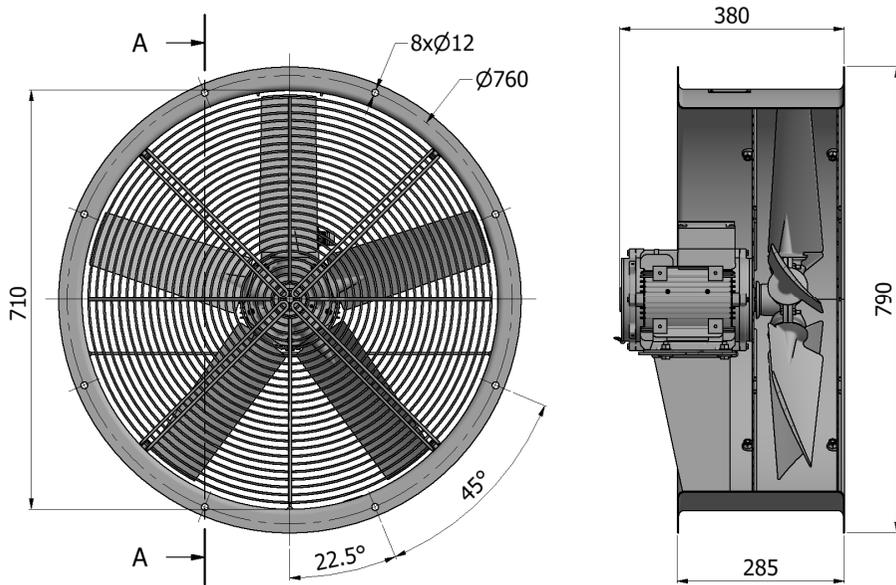
Number of Poles	6	
Type	A71C-F5	A71C-F6
Frequency (±2%)	50 Hz	60 Hz
Supply Voltage (3phase)	220-240V Δ / 380-420V Y	240-280V Δ / 400-480V Y
Nominal Current	3,5 A / 2,0 A	3,2 A / 1,9 A
Input Power	0,93 kW	0,96 kW
Speed	960 rpm	1152 rpm
Sound Pressure (L _{PA} 1m/2m)	75 dB(A) / 70 dB(A)	80 dB(A) / 75 dB(A)
Air Flow	4,29 m ³ /s	4,19 m ³ /s
Weight (varies by options)	38 kg	

Air flow and sound pressure level (SPL) are given for free blowing operation with inlet&outlet guard grids. SPL values at 1m are measured from side of the fan. SPL values at 2m are calculated by inverse square law. Declared values may change according to the requested options and configurations.

Performance



Dimensions



Configuration

Motor Protection Class	<input type="checkbox"/> IP55	<input type="checkbox"/> IP56	<input type="checkbox"/> IP65	<input type="checkbox"/> IP66
Wings	<input type="checkbox"/> GFR Polyamide	<input type="checkbox"/> Aluminum		
Protection Grids	<input type="checkbox"/> Rear	<input type="checkbox"/> Front		
Color (housing,motor,grids)	<input type="checkbox"/> RAL7031	<input type="checkbox"/> RAL7032	<input type="checkbox"/> RAL7033	<input type="checkbox"/> Other RAL
Operation Ambient (°C)	<input type="checkbox"/> -25~+60	<input type="checkbox"/> -25~+70	<input type="checkbox"/> -40~+60	<input type="checkbox"/> -40~+70
Corrosion Class	<input type="checkbox"/> C3	<input type="checkbox"/> C4	<input type="checkbox"/> C5	Medium/High
Tropical Environment	<input type="checkbox"/> No		<input type="checkbox"/> Yes	
Thermal Protection	<input type="checkbox"/> No		<input type="checkbox"/> Yes	

Thermal protection requires an external control unit or relay to operate.

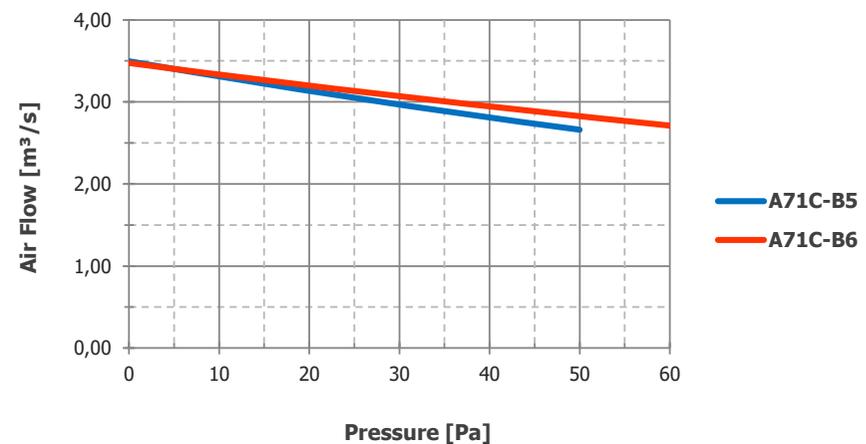
Motor shall be equipped with an embeded space heater for below -25°C ambient and tropical environment.

Specification

Number of Poles	8	
Type	A71C-B5	A71C-B6
Frequency (±2%)	50 Hz	60 Hz
Supply Voltage (3phase)	220-240V Δ / 380-420V Y	240-280V Δ / 400-480V Y
Nominal Current	2,2 A / 1,3 A	2,0 A / 1,2 A
Input Power	0,48 kW	0,51 kW
Speed	720 rpm	864 rpm
Sound Pressure (L_{PA} 1m/2m)	68 dB(A) / 63 dB(A)	73 dB(A) / 68 dB(A)
Air Flow	3,23 m ³ /s	3,27 m ³ /s
Weight (varies by options)	38 kg	

Air flow and sound pressure level (SPL) are given for free blowing operation with inlet&outlet guard grids. SPL values at 1m are measured from side of the fan. SPL values at 2m are calculated by inverse square law. Declared values may change according to the requested options and configurations.

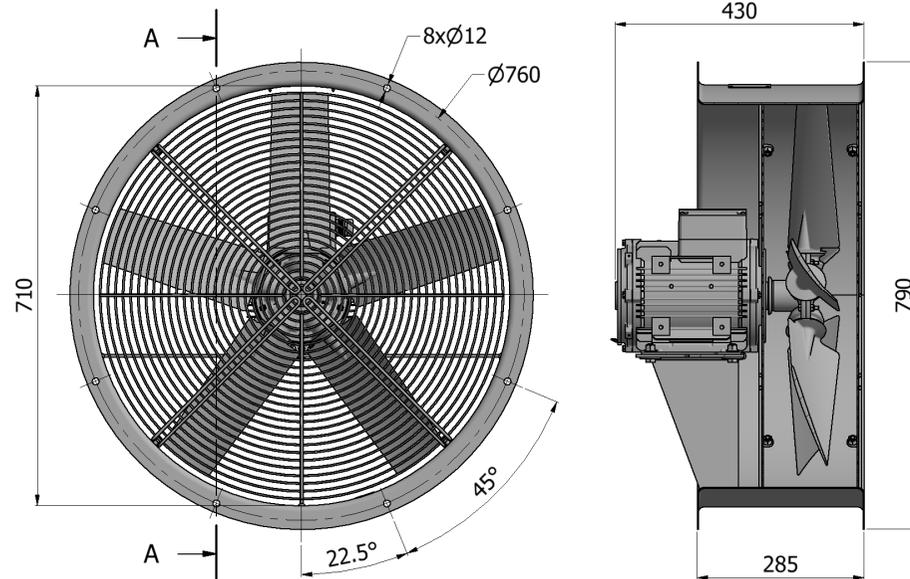
Performance



A71C-S

LOW NOISE AXIAL FAN

Dimensions



Configuration

Motor Protection Class	<input type="checkbox"/> IP55	<input type="checkbox"/> IP56	<input type="checkbox"/> IP65	<input type="checkbox"/> IP66
Wings	<input type="checkbox"/> GFR Polyamide		<input type="checkbox"/> Aluminum	
Protection Grids	<input type="checkbox"/> Rear		<input type="checkbox"/> Front	
Color (housing, motor, grids)	<input type="checkbox"/> RAL7031	<input type="checkbox"/> RAL7032	<input type="checkbox"/> RAL7033	<input type="checkbox"/> Other RAL
Operation Ambient (°C)	<input type="checkbox"/> -25~+60	<input type="checkbox"/> -25~+70	<input type="checkbox"/> -40~+60	<input type="checkbox"/> -40~+70
Corrosion Class	<input type="checkbox"/> C3	<input type="checkbox"/> C4	<input type="checkbox"/> C5	Medium/High
Tropical Environment	<input type="checkbox"/> No		<input type="checkbox"/> Yes	
Thermal Protection	<input type="checkbox"/> No		<input type="checkbox"/> Yes	

Thermal protection requires an external control unit or relay to operate.

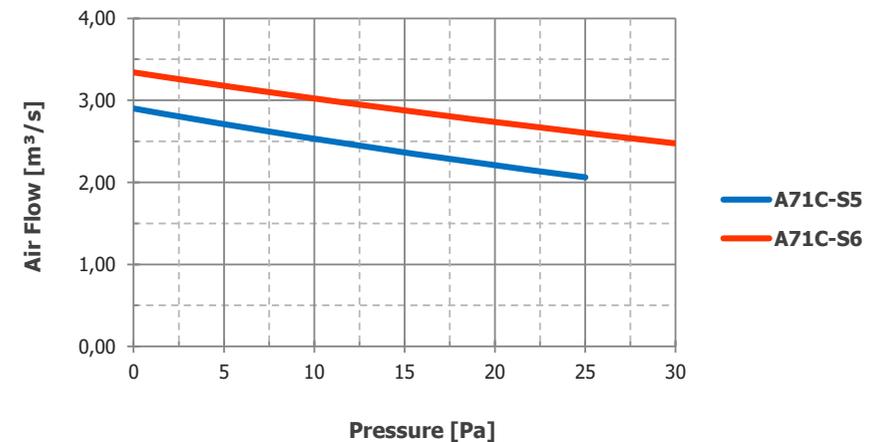
Motor shall be equipped with an embeded space heater for below -25° C ambient and tropical environment.

Specification

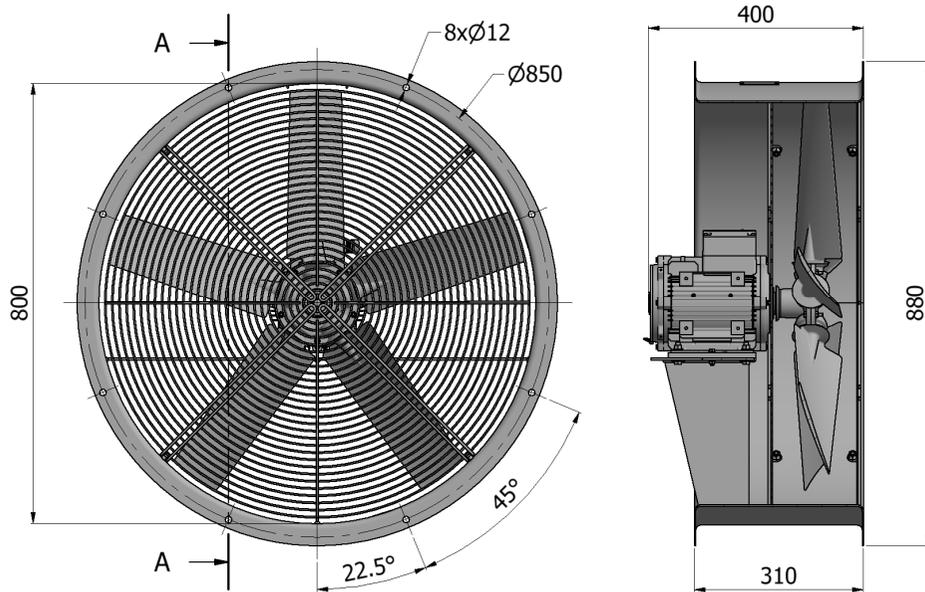
Number of Poles	12	
Type	A71C-S5	A71C-S6
Frequency (±2%)	50 Hz	60 Hz
Supply Voltage (3phase)	220-240V Δ / 380-420V Y	240-280V Δ / 400-480V Y
Nominal Current	2,7 A / 1,6 A	2,8 A / 1,6 A
Input Power	0,36 kW	0,52 kW
Speed	480 rpm	576 rpm
Sound Pressure (L _{PA} 1m/2m)	60 dB(A) / 55 dB(A)	65 dB(A) / 60 dB(A)
Air Flow	2,38 m ³ /s	2,89 m ³ /s
Weight (varies by options)	47 kg	

Air flow and sound pressure level (SPL) are given for free blowing operation with inlet&outlet guard grids. SPL values at 1m are measured from side of the fan. SPL values at 2m are calculated by inverse square law. Declared values may change according to the requested options and configurations.

Performance



Dimensions



Configuration

Motor Protection Class	<input type="checkbox"/> IP55	<input type="checkbox"/> IP56	<input type="checkbox"/> IP65	<input type="checkbox"/> IP66
Wings	<input type="checkbox"/> GFR Polyamide		<input type="checkbox"/> Aluminum	
Protection Grids	<input type="checkbox"/> Rear		<input type="checkbox"/> Front	
Color (housing,motor,grids)	<input type="checkbox"/> RAL7031	<input type="checkbox"/> RAL7032	<input type="checkbox"/> RAL7033	<input type="checkbox"/> Other RAL
Operation Ambient (°C)	<input type="checkbox"/> -25~+60	<input type="checkbox"/> -25~+70	<input type="checkbox"/> -40~+60	<input type="checkbox"/> -40~+70
Corrosion Class	<input type="checkbox"/> C3	<input type="checkbox"/> C4	<input type="checkbox"/> C5	Medium/High
Tropical Environment	<input type="checkbox"/> No		<input type="checkbox"/> Yes	
Thermal Protection	<input type="checkbox"/> No		<input type="checkbox"/> Yes	

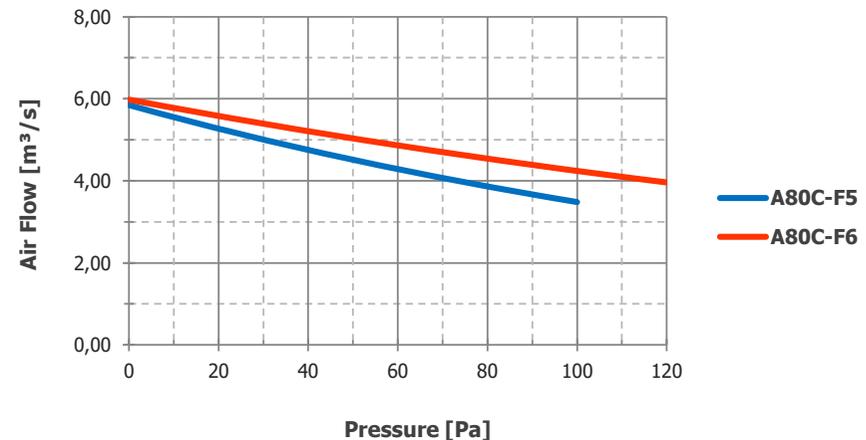
Thermal protection requires an external control unit or relay to operate.
Motor shall be equipped with an embeded space heater for below -25° C ambient and tropical environment.

Specification

Number of Poles	6	
Type	A80C-F5	A80C-F6
Frequency (±2%)	50 Hz	60 Hz
Supply Voltage (3phase)	220-240V Δ / 380-420V Y	240-280V Δ / 400-480V Y
Nominal Current	4,6 A / 2,7 A	4,5 A / 2,6 A
Input Power	1,24 kW	1,24 kW
Speed	960 rpm	1152 rpm
Sound Pressure (L _{PA} 1m/2m)	78 dB(A) / 73 dB(A)	83 dB(A) / 78 dB(A)
Air Flow	5,40 m ³ /s	5,66 m ³ /s
Weight (varies by options)	50 kg	

Air flow and sound pressure level (SPL) are given for free blowing operation with inlet&outlet guard grids.
SPL values at 1m are measured from side of the fan. SPL values at 2m are calculated by inverse square law.
Declared values may change according to the requested options and configurations.

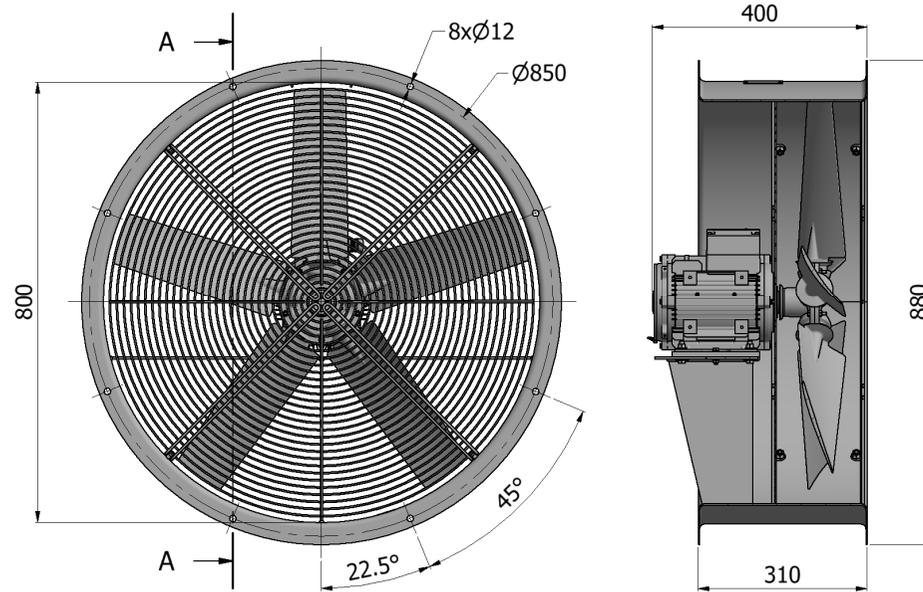
Performance



A80C-B

BALANCED PERFORMANCE AXIAL FAN

Dimensions



Configuration

Motor Protection Class	<input type="checkbox"/> IP55	<input type="checkbox"/> IP56	<input type="checkbox"/> IP65	<input type="checkbox"/> IP66
Wings	<input type="checkbox"/> GFR Polyamide		<input type="checkbox"/> Aluminum	
Protection Grids	<input type="checkbox"/> Rear		<input type="checkbox"/> Front	
Color (housing, motor, grids)	<input type="checkbox"/> RAL7031	<input type="checkbox"/> RAL7032	<input type="checkbox"/> RAL7033	<input type="checkbox"/> Other RAL
Operation Ambient (°C)	<input type="checkbox"/> -25~+60	<input type="checkbox"/> -25~+70	<input type="checkbox"/> -40~+60	<input type="checkbox"/> -40~+70
Corrosion Class	<input type="checkbox"/> C3	<input type="checkbox"/> C4	<input type="checkbox"/> C5	Medium/High
Tropical Environment	<input type="checkbox"/> No		<input type="checkbox"/> Yes	
Thermal Protection	<input type="checkbox"/> No		<input type="checkbox"/> Yes	

Thermal protection requires an external control unit or relay to operate.

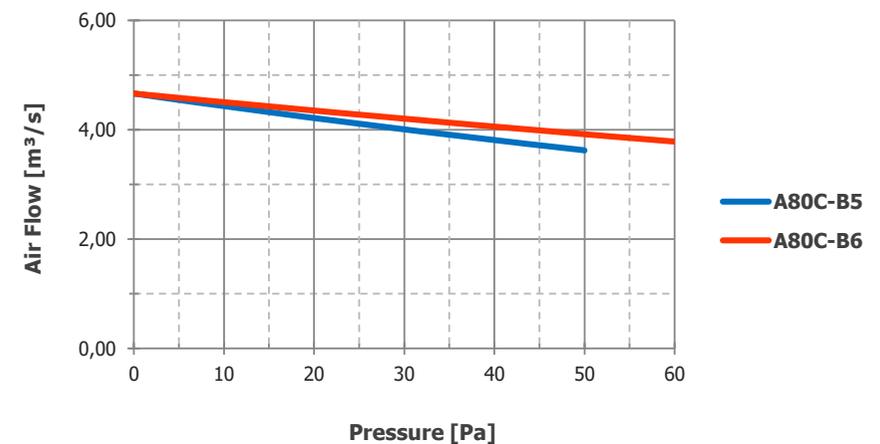
Motor shall be equipped with an embedded space heater for below -25°C ambient and tropical environment.

Specification

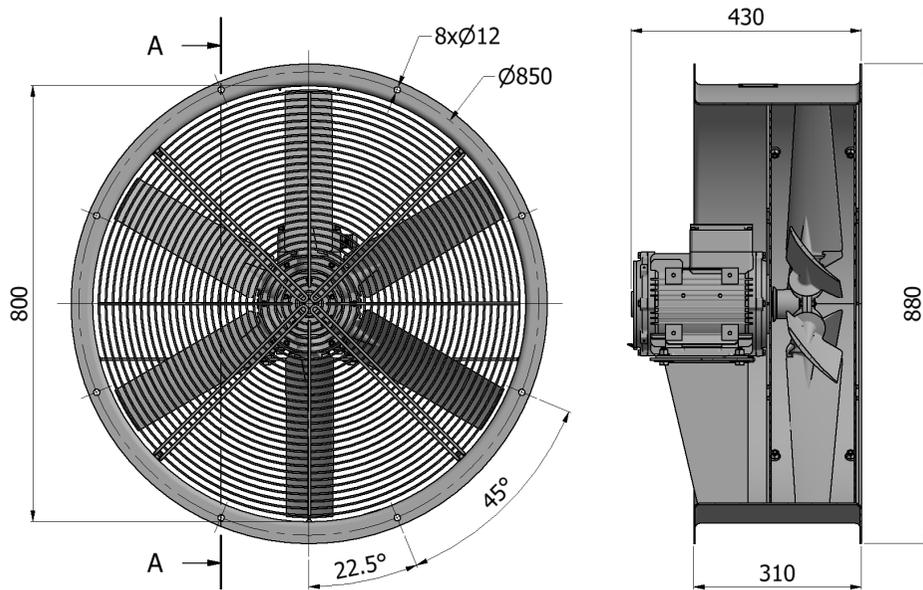
Number of Poles	8	
Type	A80C-B5	A80C-B6
Frequency (±2%)	50 Hz	60 Hz
Supply Voltage (3phase)	220-240V Δ / 380-420V Y	240-280V Δ / 400-480V Y
Nominal Current	3,1 A / 1,8 A	2,9 A / 1,7 A
Input Power	0,68 kW	0,73 kW
Speed	720 rpm	864 rpm
Sound Pressure (L_{PA} 1m/2m)	71 dB(A) / 66 dB(A)	76 dB(A) / 71 dB(A)
Air Flow	4,33 m ³ /s	4,43 m ³ /s
Weight (varies by options)	49 kg	

Air flow and sound pressure level (SPL) are given for free blowing operation with inlet&outlet guard grids. SPL values at 1m are measured from side of the fan. SPL values at 2m are calculated by inverse square law. Declared values may change according to the requested options and configurations.

Performance



Dimensions



Configuration

Motor Protection Class	<input type="checkbox"/> IP55	<input type="checkbox"/> IP56	<input type="checkbox"/> IP65	<input type="checkbox"/> IP66
Wings	<input type="checkbox"/> GFR Polyamide		<input type="checkbox"/> Aluminum	
Protection Grids	<input type="checkbox"/> Rear		<input type="checkbox"/> Front	
Color (housing,motor,grids)	<input type="checkbox"/> RAL7031	<input type="checkbox"/> RAL7032	<input type="checkbox"/> RAL7033	<input type="checkbox"/> Other RAL
Operation Ambient (°C)	<input type="checkbox"/> -25~+60	<input type="checkbox"/> -25~+70	<input type="checkbox"/> -40~+60	<input type="checkbox"/> -40~+70
Corrosion Class	<input type="checkbox"/> C3	<input type="checkbox"/> C4	<input type="checkbox"/> C5	Medium/High
Tropical Environment	<input type="checkbox"/> No		<input type="checkbox"/> Yes	
Thermal Protection	<input type="checkbox"/> No		<input type="checkbox"/> Yes	

Thermal protection requires an external control unit or relay to operate.

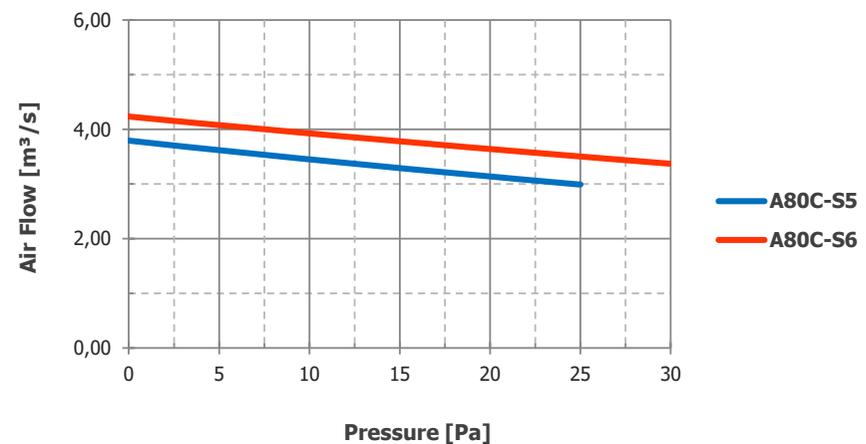
Motor shall be equipped with an embeded space heater for below -25°C ambient and tropical environment.

Specification

Number of Poles	12	
Type	A80C-S5	A80C-S6
Frequency (±2%)	50 Hz	60 Hz
Supply Voltage (3phase)	220-240V Δ / 380-420V Y	240-280V Δ / 400-480V Y
Nominal Current	2,8 A / 1,6 A	2,9 A / 1,7 A
Input Power	0,43 kW	0,57 kW
Speed	480 rpm	576 rpm
Sound Pressure (L _{PA} 1m/2m)	62 dB(A) / 57 dB(A)	67 dB(A) / 62 dB(A)
Air Flow	3,30 m ³ /s	3,79 m ³ /s
Weight (varies by options)	54 kg	

Air flow and sound pressure level (SPL) are given for free blowing operation with inlet&outlet guard grids. SPL values at 1m are measured from side of the fan. SPL values at 2m are calculated by inverse square law. Declared values may change according to the requested options and configurations.

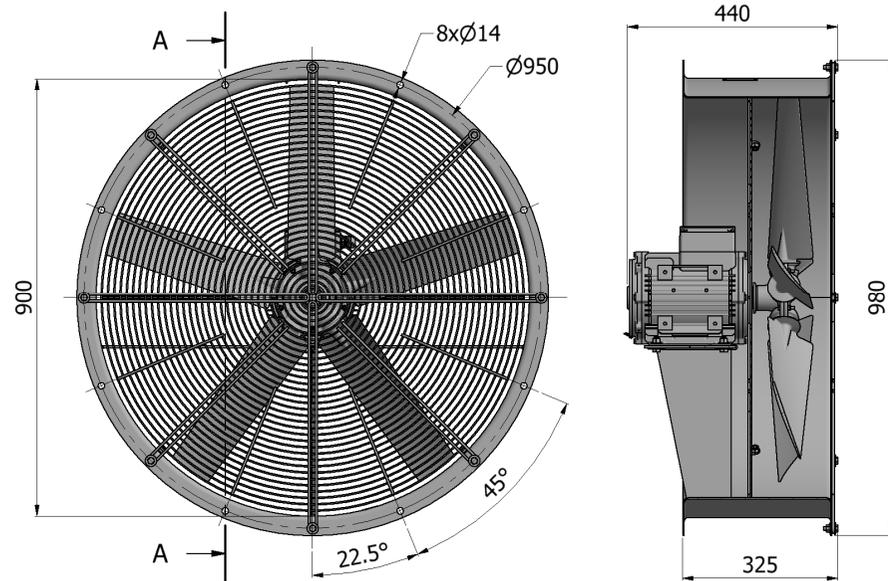
Performance



A90C-F

FLOW OPTIMISED AXIAL FAN

Dimensions



Configuration

Motor Protection Class	<input type="checkbox"/> IP55	<input type="checkbox"/> IP56	<input type="checkbox"/> IP65	<input type="checkbox"/> IP66
Wings	<input type="checkbox"/> GFR Polyamide		<input type="checkbox"/> Aluminum	
Protection Grids	<input type="checkbox"/> Rear		<input type="checkbox"/> Front	
Color (housing, motor, grids)	<input type="checkbox"/> RAL7031	<input type="checkbox"/> RAL7032	<input type="checkbox"/> RAL7033	<input type="checkbox"/> Other RAL
Operation Ambient (°C)	<input type="checkbox"/> -25~+60	<input type="checkbox"/> -25~+70	<input type="checkbox"/> -40~+60	<input type="checkbox"/> -40~+70
Corrosion Class	<input type="checkbox"/> C3	<input type="checkbox"/> C4	<input type="checkbox"/> C5	Medium/High
Tropical Environment	<input type="checkbox"/> No		<input type="checkbox"/> Yes	
Thermal Protection	<input type="checkbox"/> No		<input type="checkbox"/> Yes	

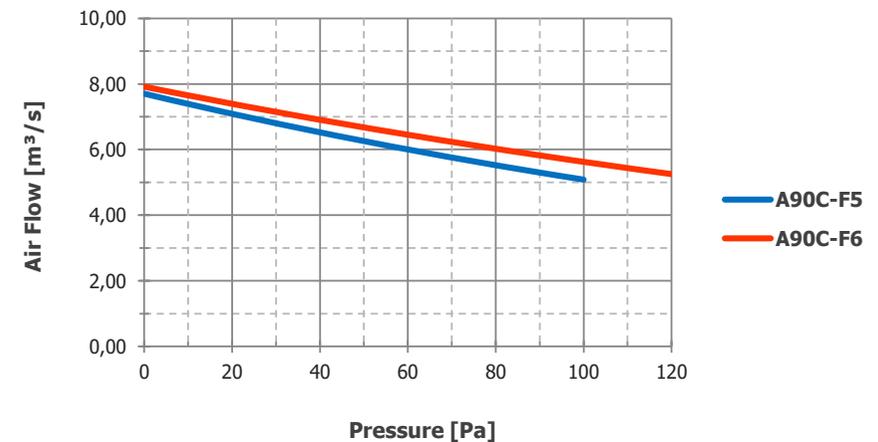
Thermal protection requires an external control unit or relay to operate.
Motor shall be equipped with an embeded space heater for below -25° C ambient and tropical environment.

Specification

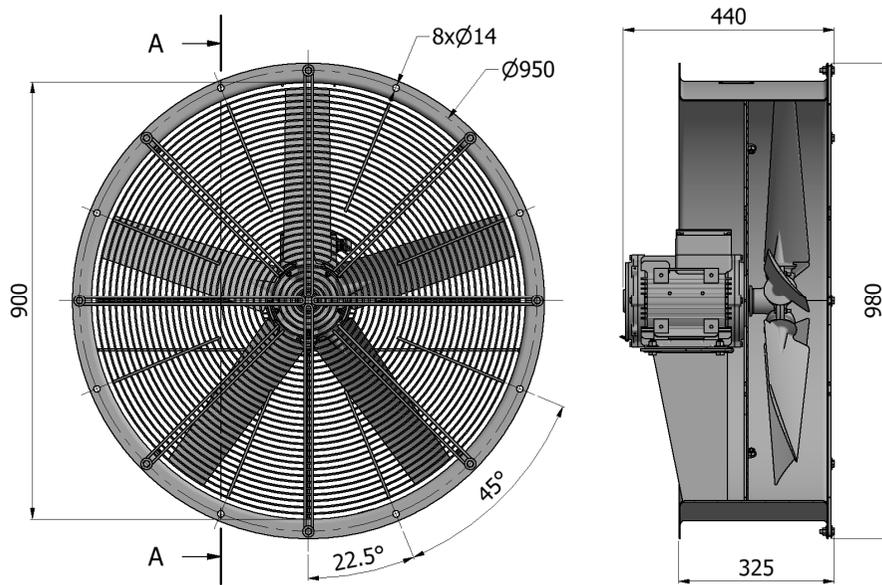
Number of Poles	6	
Type	A90C-F5	A90C-F6
Frequency (±2%)	50 Hz	60 Hz
Supply Voltage (3phase)	220-240V Δ / 380-420V Y	240-280V Δ / 400-480V Y
Nominal Current	5,8 A / 3,3 A	5,3 A / 3,1 A
Input Power	1,57 kW	1,63 kW
Speed	960 rpm	1152 rpm
Sound Pressure (L _{PA} 1m/2m)	79 dB(A) / 74 dB(A)	84 dB(A) / 79 dB(A)
Air Flow	7,23 m ³ /s	7,50 m ³ /s
Weight (varies by options)	60 kg	

Air flow and sound pressure level (SPL) are given for free blowing operation with inlet&outlet guard grids.
SPL values at 1m are measured from side of the fan. SPL values at 2m are calculated by inverse square law.
Declared values may change according to the requested options and configurations.

Performance



Dimensions



Configuration

Motor Protection Class	<input type="checkbox"/> IP55	<input type="checkbox"/> IP56	<input type="checkbox"/> IP65	<input type="checkbox"/> IP66
Wings	<input type="checkbox"/> GFR Polyamide		<input type="checkbox"/> Aluminum	
Protection Grids	<input type="checkbox"/> Rear		<input type="checkbox"/> Front	
Color (housing,motor,grids)	<input type="checkbox"/> RAL7031	<input type="checkbox"/> RAL7032	<input type="checkbox"/> RAL7033	<input type="checkbox"/> Other RAL
Operation Ambient (°C)	<input type="checkbox"/> -25~+60	<input type="checkbox"/> -25~+70	<input type="checkbox"/> -40~+60	<input type="checkbox"/> -40~+70
Corrosion Class	<input type="checkbox"/> C3	<input type="checkbox"/> C4	<input type="checkbox"/> C5	Medium/High
Tropical Environment	<input type="checkbox"/> No		<input type="checkbox"/> Yes	
Thermal Protection	<input type="checkbox"/> No		<input type="checkbox"/> Yes	

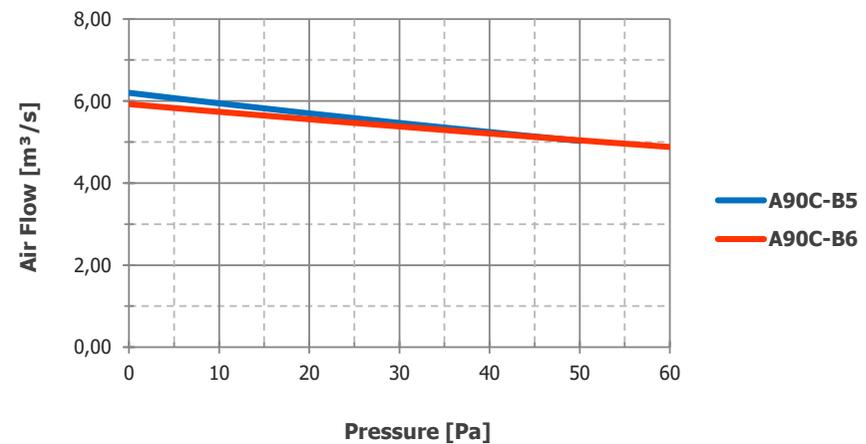
Thermal protection requires an external control unit or relay to operate.
Motor shall be equipped with an embeded space heater for below -25°C ambient and tropical environment.

Specification

Number of Poles	8	
Type	A90C-B5	A90C-B6
Frequency (±2%)	50 Hz	60 Hz
Supply Voltage (3phase)	220-240V Δ / 380-420V Y	240-280V Δ / 400-480V Y
Nominal Current	4,0 A / 2,3 A	3,4 A / 2,0 A
Input Power	0,94 kW	0,89 kW
Speed	720 rpm	864 rpm
Sound Pressure (L _{PA} 1m/2m)	72 dB(A) / 67 dB(A)	77 dB(A) / 72 dB(A)
Air Flow	5,83 m ³ /s	5,65 m ³ /s
Weight (varies by options)	57 kg	

Air flow and sound pressure level (SPL) are given for free blowing operation with inlet&outlet guard grids. SPL values at 1m are measured from side of the fan. SPL values at 2m are calculated by inverse square law. Declared values may change according to the requested options and configurations.

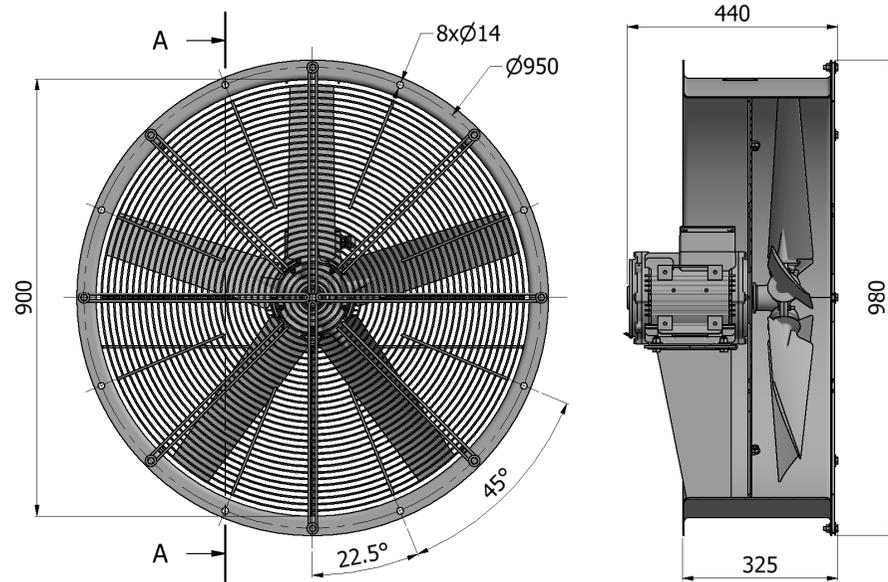
Performance



A90C-S

LOW NOISE AXIAL FAN

Dimensions



Configuration

Motor Protection Class	<input type="checkbox"/> IP55	<input type="checkbox"/> IP56	<input type="checkbox"/> IP65	<input type="checkbox"/> IP66
Wings	<input type="checkbox"/> GFR Polyamide		<input type="checkbox"/> Aluminum	
Protection Grids	<input type="checkbox"/> Rear		<input type="checkbox"/> Front	
Color (housing, motor, grids)	<input type="checkbox"/> RAL7031	<input type="checkbox"/> RAL7032	<input type="checkbox"/> RAL7033	<input type="checkbox"/> Other RAL
Operation Ambient (°C)	<input type="checkbox"/> -25~+60	<input type="checkbox"/> -25~+70	<input type="checkbox"/> -40~+60	<input type="checkbox"/> -40~+70
Corrosion Class	<input type="checkbox"/> C3	<input type="checkbox"/> C4	<input type="checkbox"/> C5	Medium/High
Tropical Environment	<input type="checkbox"/> No		<input type="checkbox"/> Yes	
Thermal Protection	<input type="checkbox"/> No		<input type="checkbox"/> Yes	

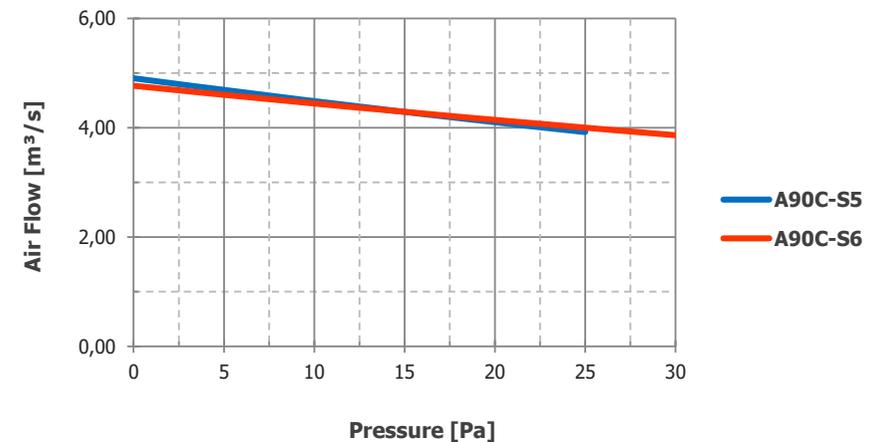
Thermal protection requires an external control unit or relay to operate.
Motor shall be equipped with an embeded space heater for below -25°C ambient and tropical environment.

Specification

Number of Poles	12	
Type	A90C-S5	A90C-S6
Frequency (±2%)	50 Hz	60 Hz
Supply Voltage (3phase)	220-240V Δ / 380-420V Y	240-280V Δ / 400-480V Y
Nominal Current	3,0 A / 1,7 A	2,9 A / 1,7 A
Input Power	0,54 kW	0,56 kW
Speed	480 rpm	576 rpm
Sound Pressure (L_{PA} 1m/2m)	63 dB(A) / 58 dB(A)	68 dB(A) / 63 dB(A)
Air Flow	4,30 m ³ /s	4,30 m ³ /s
Weight (varies by options)	60 kg	

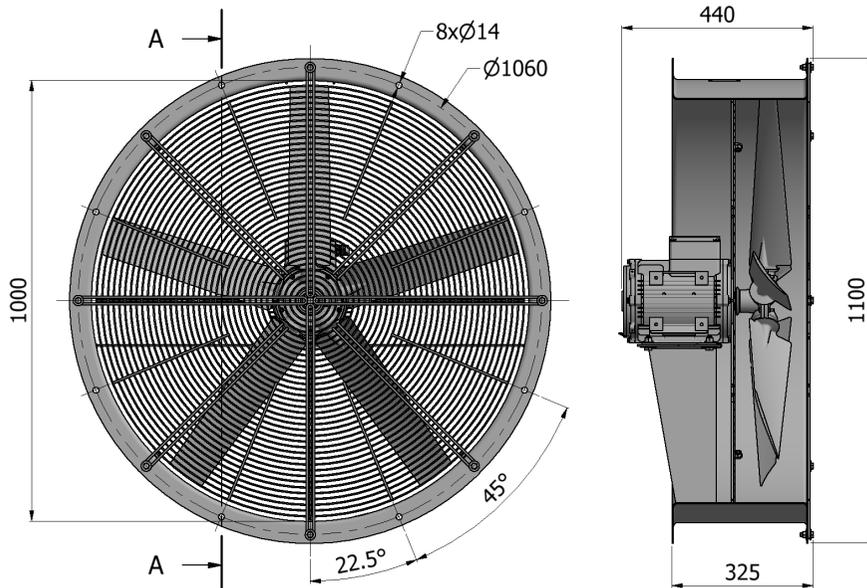
Air flow and sound pressure level (SPL) are given for free blowing operation with inlet&outlet guard grids. SPL values at 1m are measured from side of the fan. SPL values at 2m are calculated by inverse square law. Declared values may change according to the requested options and configurations.

Performance



A100C-F FLOW OPTIMIZED AXIAL FAN

Dimensions



Configuration

Motor Protection Class	<input type="checkbox"/> IP55	<input type="checkbox"/> IP56	<input type="checkbox"/> IP65	<input type="checkbox"/> IP66
Wings	<input type="checkbox"/> GFR Polyamide		<input type="checkbox"/> Aluminum	
Protection Grids	<input type="checkbox"/> Rear		<input type="checkbox"/> Front	
Color (housing,motor,grids)	<input type="checkbox"/> RAL7031	<input type="checkbox"/> RAL7032	<input type="checkbox"/> RAL7033	<input type="checkbox"/> Other RAL
Operation Ambient (°C)	<input type="checkbox"/> -25~+60	<input type="checkbox"/> -25~+70	<input type="checkbox"/> -40~+60	<input type="checkbox"/> -40~+70
Corrosion Class	<input type="checkbox"/> C3	<input type="checkbox"/> C4	<input type="checkbox"/> C5	Medium/High
Tropical Environment	<input type="checkbox"/> No		<input type="checkbox"/> Yes	
Thermal Protection	<input type="checkbox"/> No		<input type="checkbox"/> Yes	

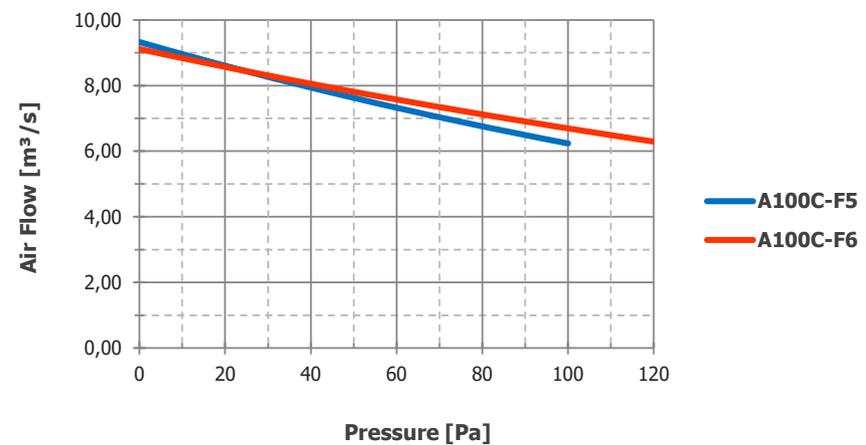
Thermal protection requires an external control unit or relay to operate.
Motor shall be equipped with an embeded space heater for below -25° C ambient and tropical environment.

Specification

Number of Poles	6	
Type	A100C-F5	A100C-F6
Frequency (±2%)	50 Hz	60 Hz
Supply Voltage (3phase)	220-240V Δ / 380-420V Y	240-280V Δ / 400-480V Y
Nominal Current	6,1 A / 3,5 A	5,4 A / 3,2 A
Input Power	1,72 kW	1,70 kW
Speed	960 rpm	1152 rpm
Sound Pressure (L _{PA} 1m/2m)	80 dB(A) / 75 dB(A)	85 dB(A) / 80 dB(A)
Air Flow	8,77 m ³ /s	8,68 m ³ /s
Weight (varies by options)	65 kg	

Air flow and sound pressure level (SPL) are given for free blowing operation with inlet&outlet guard grids.
SPL values at 1m are measured from side of the fan. SPL values at 2m are calculated by inverse square law.
Declared values may change according to the requested options and configurations.

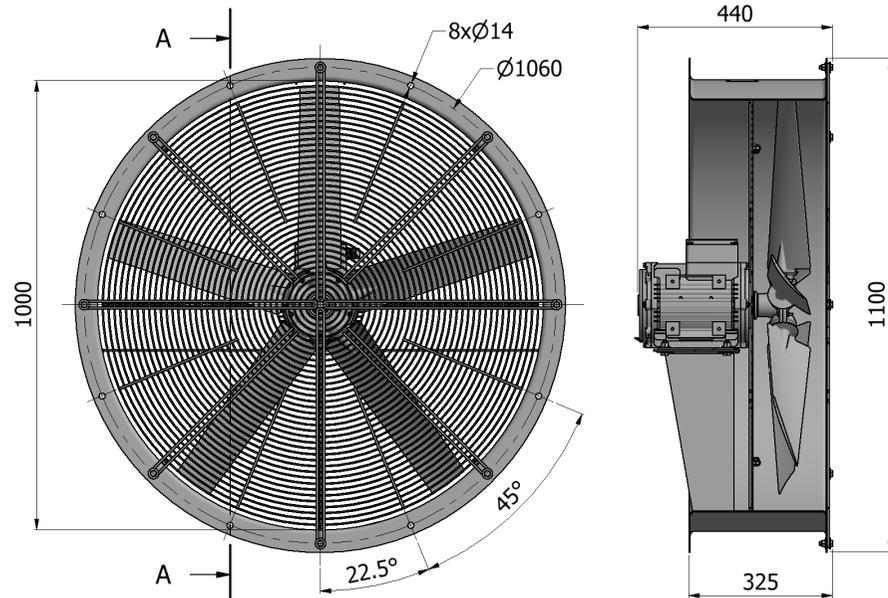
Performance



A100C-B

BALANCED PERFORMANCE AXIAL FAN

Dimensions



Configuration

Motor Protection Class	<input type="checkbox"/> IP55	<input type="checkbox"/> IP56	<input type="checkbox"/> IP65	<input type="checkbox"/> IP66
Wings	<input type="checkbox"/> GFR Polyamide		<input type="checkbox"/> Aluminum	
Protection Grids	<input type="checkbox"/> Rear		<input type="checkbox"/> Front	
Color (housing, motor, grids)	<input type="checkbox"/> RAL7031	<input type="checkbox"/> RAL7032	<input type="checkbox"/> RAL7033	<input type="checkbox"/> Other RAL
Operation Ambient (°C)	<input type="checkbox"/> -25~+60	<input type="checkbox"/> -25~+70	<input type="checkbox"/> -40~+60	<input type="checkbox"/> -40~+70
Corrosion Class	<input type="checkbox"/> C3	<input type="checkbox"/> C4	<input type="checkbox"/> C5	Medium/High
Tropical Environment	<input type="checkbox"/> No		<input type="checkbox"/> Yes	
Thermal Protection	<input type="checkbox"/> No		<input type="checkbox"/> Yes	

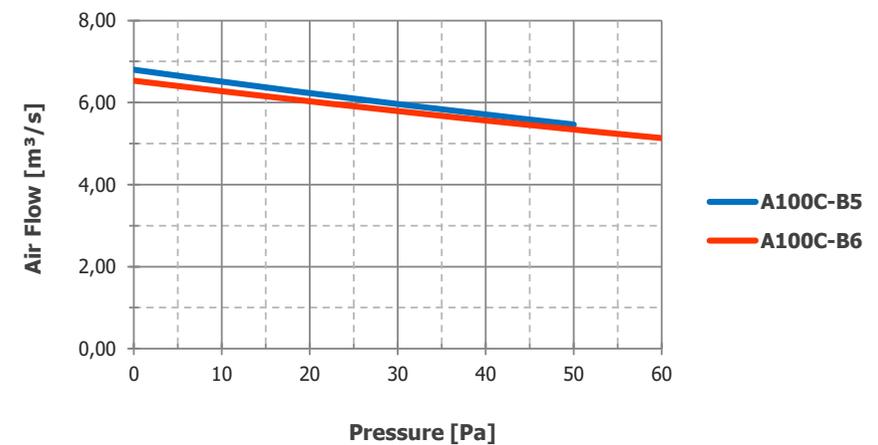
Thermal protection requires an external control unit or relay to operate.
Motor shall be equipped with an embedded space heater for below -25°C ambient and tropical environment.

Specification

Number of Poles	8	
Type	A100C-B5	A100C-B6
Frequency (±2%)	50 Hz	60 Hz
Supply Voltage (3phase)	220-240V Δ / 380-420V Y	240-280V Δ / 400-480V Y
Nominal Current	3,9 A / 2,2 A	3,5 A / 2,0 A
Input Power	0,90 kW	0,96 kW
Speed	720 rpm	864 rpm
Sound Pressure (L_{PA} 1m/2m)	73 dB(A) / 68 dB(A)	78 dB(A) / 73 dB(A)
Air Flow	6,38 m ³ /s	6,16 m ³ /s
Weight (varies by options)	62 kg	

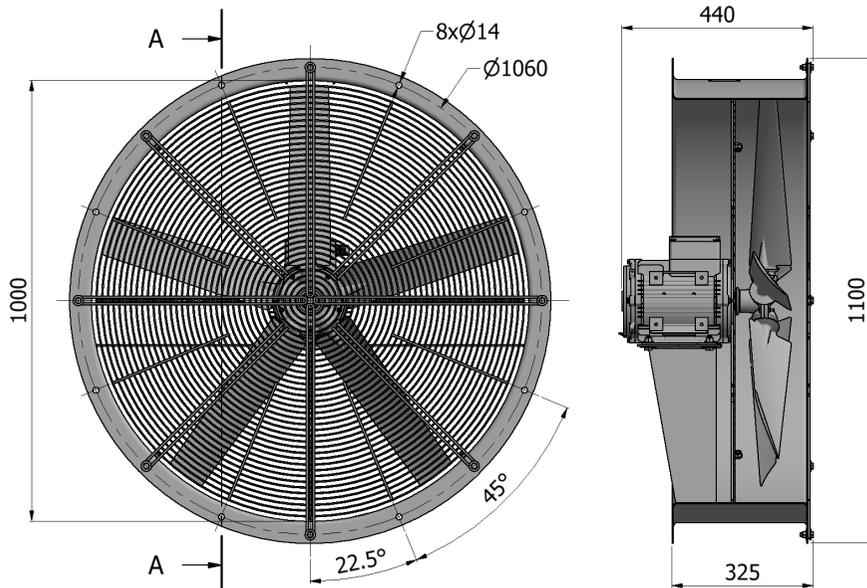
Air flow and sound pressure level (SPL) are given for free blowing operation with inlet&outlet guard grids.
SPL values at 1m are measured from side of the fan. SPL values at 2m are calculated by inverse square law.
Declared values may change according to the requested options and configurations.

Performance



A100C-S LOW NOISE AXIAL FAN

Dimensions



Configuration

Motor Protection Class	<input type="checkbox"/> IP55	<input type="checkbox"/> IP56	<input type="checkbox"/> IP65	<input type="checkbox"/> IP66
Wings	<input type="checkbox"/> GFR Polyamide	<input type="checkbox"/> Aluminum		
Protection Grids	<input type="checkbox"/> Rear		<input type="checkbox"/> Front	
Color (housing, motor, grids)	<input type="checkbox"/> RAL7031	<input type="checkbox"/> RAL7032	<input type="checkbox"/> RAL7033	<input type="checkbox"/> Other RAL
Operation Ambient (°C)	<input type="checkbox"/> -25~+60	<input type="checkbox"/> -25~+70	<input type="checkbox"/> -40~+60	<input type="checkbox"/> -40~+70
Corrosion Class	<input type="checkbox"/> C3	<input type="checkbox"/> C4	<input type="checkbox"/> C5	Medium/High
Tropical Environment	<input type="checkbox"/> No		<input type="checkbox"/> Yes	
Thermal Protection	<input type="checkbox"/> No		<input type="checkbox"/> Yes	

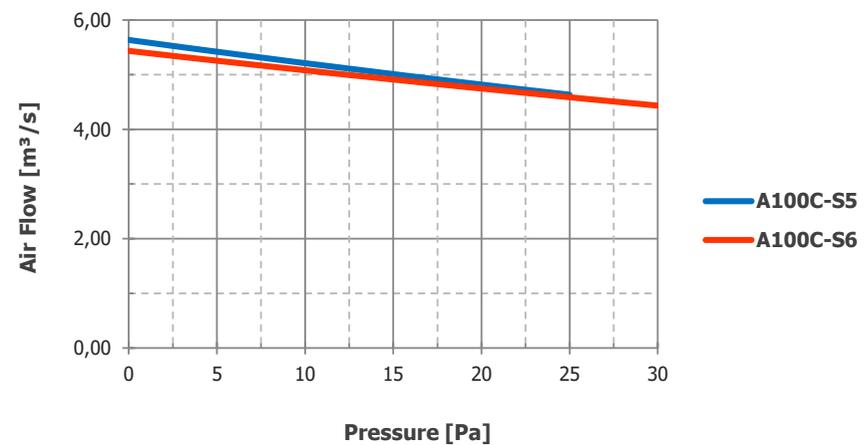
Thermal protection requires an external control unit or relay to operate.
Motor shall be equipped with an embeded space heater for below -25°C ambient and tropical environment.

Specification

Number of Poles	12	
Type	A100C-S5	A100C-S6
Frequency ($\pm 2\%$)	50 Hz	60 Hz
Supply Voltage (3phase)	220-240V Δ / 380-420V Y	240-280V Δ / 400-480V Y
Nominal Current	3,0 A / 1,7 A	2,9 A / 1,7 A
Input Power	0,55 kW	0,59 kW
Speed	480 rpm	576 rpm
Sound Pressure (L_{pA} 1m/2m)	64 dB(A) / 59 dB(A)	69 dB(A) / 64 dB(A)
Air Flow	5,02 m ³ /s	4,92 m ³ /s
Weight (varies by options)	65 kg	

Air flow and sound pressure level (SPL) are given for free blowing operation with inlet&outlet guard grids. SPL values at 1m are measured from side of the fan. SPL values at 2m are calculated by inverse square law. Declared values may change according to the requested options and configurations.

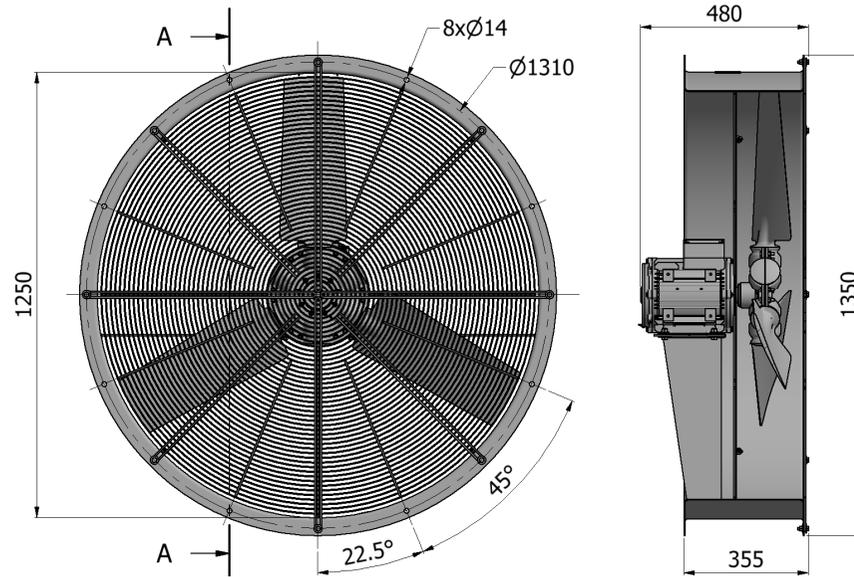
Performance



A125C-F

FLOW OPTIMISED AXIAL FAN

Dimensions



Configuration

Motor Protection Class	<input type="checkbox"/> IP55	<input type="checkbox"/> IP56	<input type="checkbox"/> IP65	<input type="checkbox"/> IP66
Wings	<input type="checkbox"/> GFR Polyamide		<input type="checkbox"/> Aluminum	
Protection Grids	<input type="checkbox"/> Rear		<input type="checkbox"/> Front	
Color (housing, motor, grids)	<input type="checkbox"/> RAL7031	<input type="checkbox"/> RAL7032	<input type="checkbox"/> RAL7033	<input type="checkbox"/> Other RAL
Operation Ambient (°C)	<input type="checkbox"/> -25~+60	<input type="checkbox"/> -25~+70	<input type="checkbox"/> -40~+60	<input type="checkbox"/> -40~+70
Corrosion Class	<input type="checkbox"/> C3	<input type="checkbox"/> C4	<input type="checkbox"/> C5	Medium/High
Tropical Environment	<input type="checkbox"/> No		<input type="checkbox"/> Yes	
Thermal Protection	<input type="checkbox"/> No		<input type="checkbox"/> Yes	

Thermal protection requires an external control unit or relay to operate.

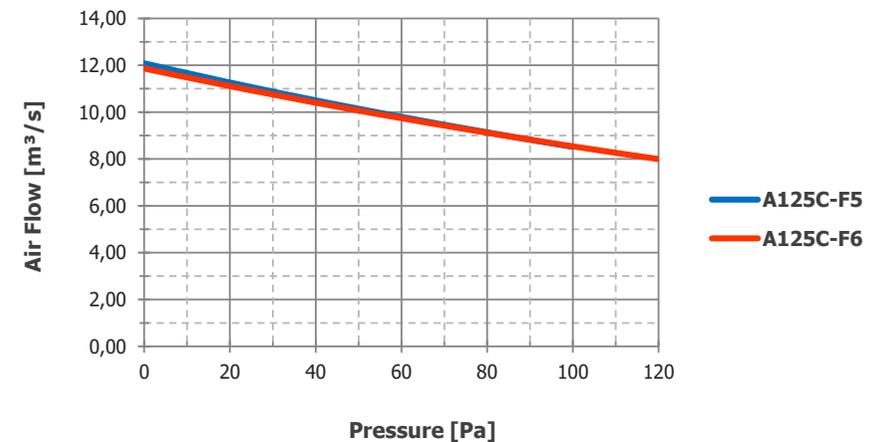
Motor shall be equipped with an embeded space heater for below -25° C ambient and tropical environment.

Specification

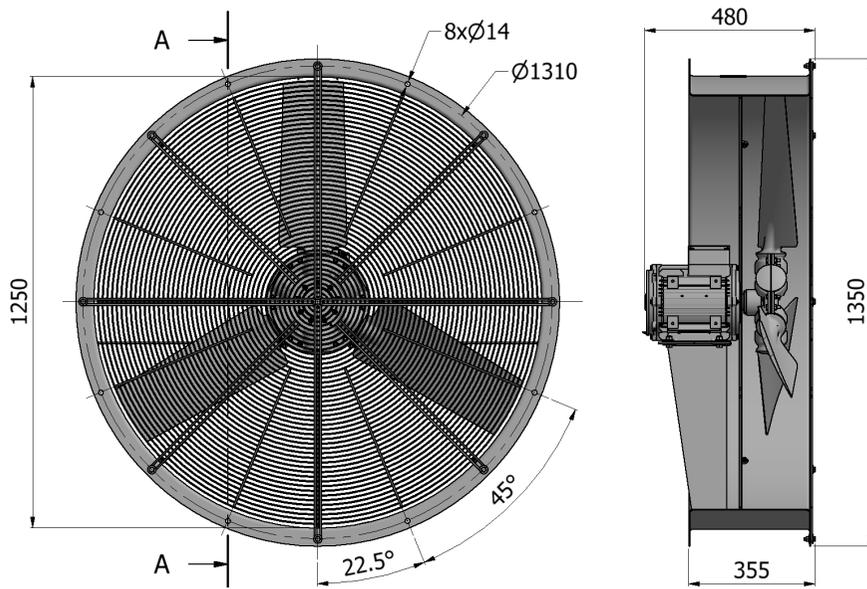
Number of Poles	8	
Type	A125C-F5	A125C-F6
Frequency (±2%)	50 Hz	60 Hz
Supply Voltage (3phase)	220-240V Δ / 380-420V Y	240-280V Δ / 400-480V Y
Nominal Current	7,3 A / 4,2 A	6,5 A / 3,8 A
Input Power	1,74 kW	1,87 kW
Speed	720 rpm	864 rpm
Sound Pressure (L _{PA} 1m/2m)	77 dB(A) / 72 dB(A)	82 dB(A) / 77 dB(A)
Air Flow	11,45 m ³ /s	11,26 m ³ /s
Weight (varies by options)	95 kg	

Air flow and sound pressure level (SPL) are given for free blowing operation with inlet&outlet guard grids. SPL values at 1m are measured from side of the fan. SPL values at 2m are calculated by inverse square law. Declared values may change according to the requested options and configurations.

Performance



Dimensions



Configuration

Motor Protection Class	<input type="checkbox"/> IP55	<input type="checkbox"/> IP56	<input type="checkbox"/> IP65	<input type="checkbox"/> IP66
Wings	<input type="checkbox"/> GFR Polyamide		<input type="checkbox"/> Aluminum	
Protection Grids	<input type="checkbox"/> Rear		<input type="checkbox"/> Front	
Color (housing,motor,grids)	<input type="checkbox"/> RAL7031	<input type="checkbox"/> RAL7032	<input type="checkbox"/> RAL7033	<input type="checkbox"/> Other RAL
Operation Ambient (°C)	<input type="checkbox"/> -25~+60	<input type="checkbox"/> -25~+70	<input type="checkbox"/> -40~+60	<input type="checkbox"/> -40~+70
Corrosion Class	<input type="checkbox"/> C3	<input type="checkbox"/> C4	<input type="checkbox"/> C5	Medium/High
Tropical Environment	<input type="checkbox"/> No		<input type="checkbox"/> Yes	
Thermal Protection	<input type="checkbox"/> No		<input type="checkbox"/> Yes	

Thermal protection requires an external control unit or relay to operate.

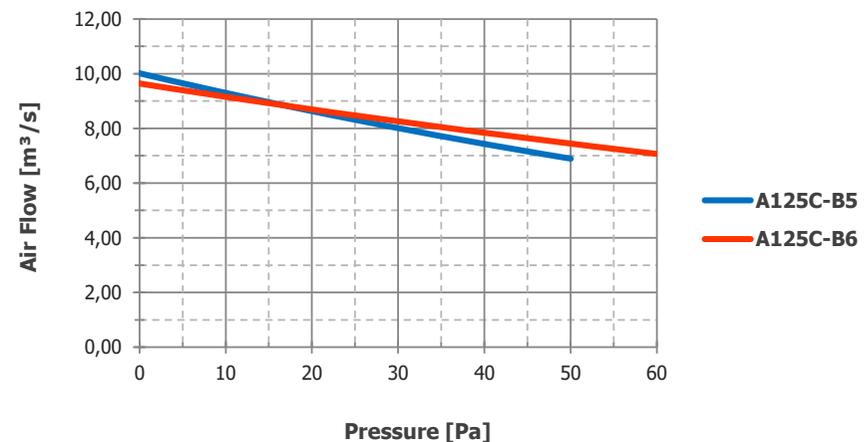
Motor shall be equipped with an embeded space heater for below -25°C ambient and tropical environment.

Specification

Number of Poles	12	
Type	A125C-B5	A125C-B6
Frequency (±2%)	50 Hz	60 Hz
Supply Voltage (3phase)	220-240V Δ / 380-420V Y	240-280V Δ / 400-480V Y
Nominal Current	6,7 A / 3,8 A	6,3 A / 3,7 A
Input Power	1,12 kW	1,16 kW
Speed	480 rpm	576 rpm
Sound Pressure (L _{PA} 1m/2m)	70 dB(A) / 65 dB(A)	75 dB(A) / 70 dB(A)
Air Flow	9,00 m ³ /s	8,94 m ³ /s
Weight (varies by options)	100 kg	

Air flow and sound pressure level (SPL) are given for free blowing operation with inlet&outlet guard grids. SPL values at 1m are measured from side of the fan. SPL values at 2m are calculated by inverse square law. Declared values may change according to the requested options and configurations.

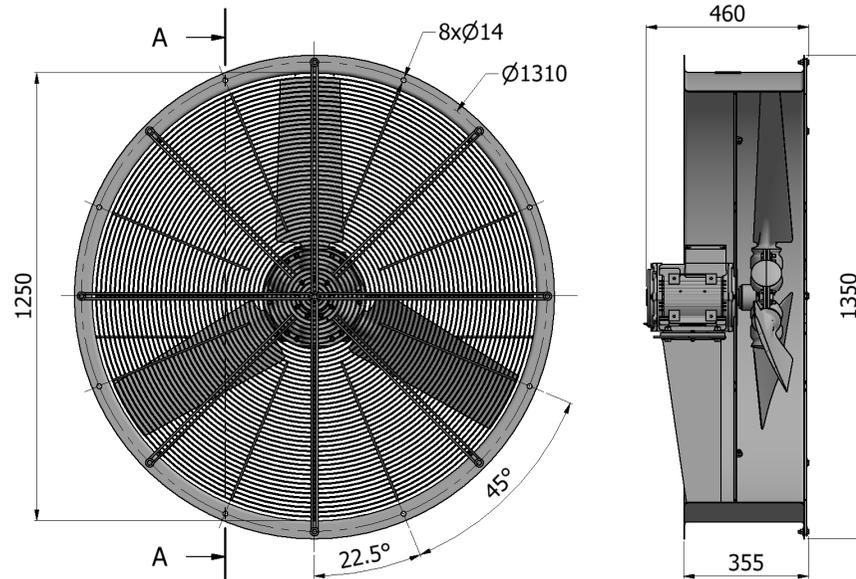
Performance



A125C-S

LOW NOISE AXIAL FAN

Dimensions



Configuration

Motor Protection Class	<input type="checkbox"/> IP55	<input type="checkbox"/> IP56	<input type="checkbox"/> IP65	<input type="checkbox"/> IP66
Wings	<input type="checkbox"/> GFR Polyamide		<input type="checkbox"/> Aluminum	
Protection Grids	<input type="checkbox"/> Rear		<input type="checkbox"/> Front	
Color (housing, motor, grids)	<input type="checkbox"/> RAL7031	<input type="checkbox"/> RAL7032	<input type="checkbox"/> RAL7033	<input type="checkbox"/> Other RAL
Operation Ambient (°C)	<input type="checkbox"/> -25~+60	<input type="checkbox"/> -25~+70	<input type="checkbox"/> -40~+60	<input type="checkbox"/> -40~+70
Corrosion Class	<input type="checkbox"/> C3	<input type="checkbox"/> C4	<input type="checkbox"/> C5	Medium/High
Tropical Environment	<input type="checkbox"/> No		<input type="checkbox"/> Yes	
Thermal Protection	<input type="checkbox"/> No		<input type="checkbox"/> Yes	

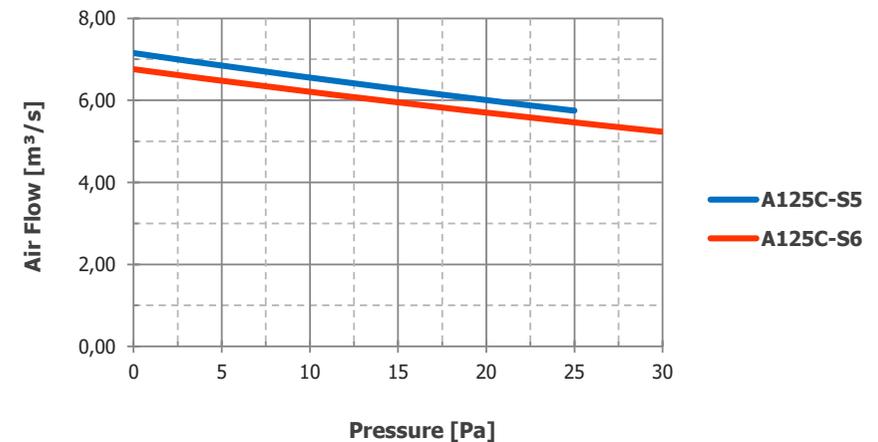
Thermal protection requires an external control unit or relay to operate.
Motor shall be equipped with an embedded space heater for below -25°C ambient and tropical environment.

Specification

Number of Poles	12	
Type	A125C-S5	A125C-S6
Frequency (±2%)	50 Hz	60 Hz
Supply Voltage (3phase)	220-240V Δ / 380-420V Y	240-280V Δ / 400-480V Y
Nominal Current	3,0 A / 1,7 A	2,9 A / 1,7 A
Input Power	0,54 kW	0,61 kW
Speed	480 rpm	576 rpm
Sound Pressure (L_{PA} 1m/2m)	67 dB(A) / 62 dB(A)	72 dB(A) / 67 dB(A)
Air Flow	6,29 m ³ /s	5,97 m ³ /s
Weight (varies by options)	89 kg	

Air flow and sound pressure level (SPL) are given for free blowing operation with inlet&outlet guard grids. SPL values at 1m are measured from side of the fan. SPL values at 2m are calculated by inverse square law. Declared values may change according to the requested options and configurations.

Performance



Special Applications

Hazardous Area

- ✓ Axial fans with ATEX certified motors
- ✓ Axial fans with IEC-Ex certified motors
- ✓ Axial fans with NEMA certified motors



Variable Speed

- ✓ Frequency - Voltage control
- ✓ Speed - Oil temperature algorithm
- ✓ Low power consumption & noise



UL Certified

- ✓ Axial fans with monophase UL certified motors
- ✓ Axial fans with triphase UL certified motors



Custom Solutions

STE Technic can provide you solutions based on custom requirements and specifications. It is possible to desing and simulate axial fans with given input values. Please make selections on the below table and provide any additional information and your project specific solution will be submitted to you rapidly.

Wing Span (mm)	<input type="radio"/> 400	<input type="radio"/> 460	<input type="radio"/> 500	<input type="radio"/> 520	<input type="radio"/> 630	<input type="radio"/> 710	<input type="radio"/> 800	<input type="radio"/> 900	<input type="radio"/> 1000	<input type="radio"/> 1250
Supply Frequency	<input type="radio"/> 50 Hz					<input type="radio"/> 60 Hz				
Supply Voltage (3 phase)										
Sound Pressure Level										
Air Flow										
Motor Protection Class	<input type="radio"/> IP55	<input type="radio"/> IP56	<input type="radio"/> IP65	<input type="radio"/> IP66						
Operating Temperature	<input type="radio"/> -25 ... +60 °C	<input type="radio"/> -40 ... +60 °C	<input type="radio"/> -25 ... +70 °C	<input type="radio"/> -40 ... +70 °C						
Protection Grids	<input type="radio"/> At inlet					<input type="radio"/> At outlet				
Thermal Protection	<input type="radio"/> No					<input type="radio"/> Yes (requires external relay)				
Tropical Environment	<input type="radio"/> No					<input type="radio"/> Yes (condensing)				
Corrosion Class	<input type="radio"/> C3	<input type="radio"/> C4	<input type="radio"/> C5	<input type="radio"/> Medium	<input type="radio"/> High					
Color (Motor, Casing, Grids)	RAL Code :									



Notes

- _____
- _____
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- _____
- _____
- _____



STE Technic

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Cross-Flow Fans



TRANSFORMER COOLING SOLUTIONS



CROSS-FLOW FANS FOR DRY TYPE TRANSFORMERS

STE Technic designs and manufactures air forced cooling solutions for distribution and power transformers. Our cross-flow fans are engineered especially for conditions and environments of power generation, transmission and distribution sites with wide range of options.

Technical Information

- ✓ Optimized fan blades adopts advanced aerodynamic design.
- ✓ Dynamic balance achieved as G6,3.
- ✓ Fan blade is aluminum, casing and optional guards are galvanized steel.
- ✓ Fan operation ambient temperature range is -25°C ~ +60°C.
- ✓ Motor winding insulation class is H.
- ✓ Fans have single-phase capacitor running and supply voltage is 220~240VAC.
- ✓ Wiring terminal block is mounted on the fan.
- ✓ Overload protected with internal OLP.
- ✓ Optional motor and inlet guards can be installed for increased safety.

Standards & Details

Standard ISO 5801

Balance Quality G6,3 according to ISO 1940-1

Tolerance Class 2 according to DIN 24166

Mounting Position Motor on right or motor on left according to order

Motor Induction type high efficiency motor

Winding Insulation Class H

Winding Temperature Rise Class B

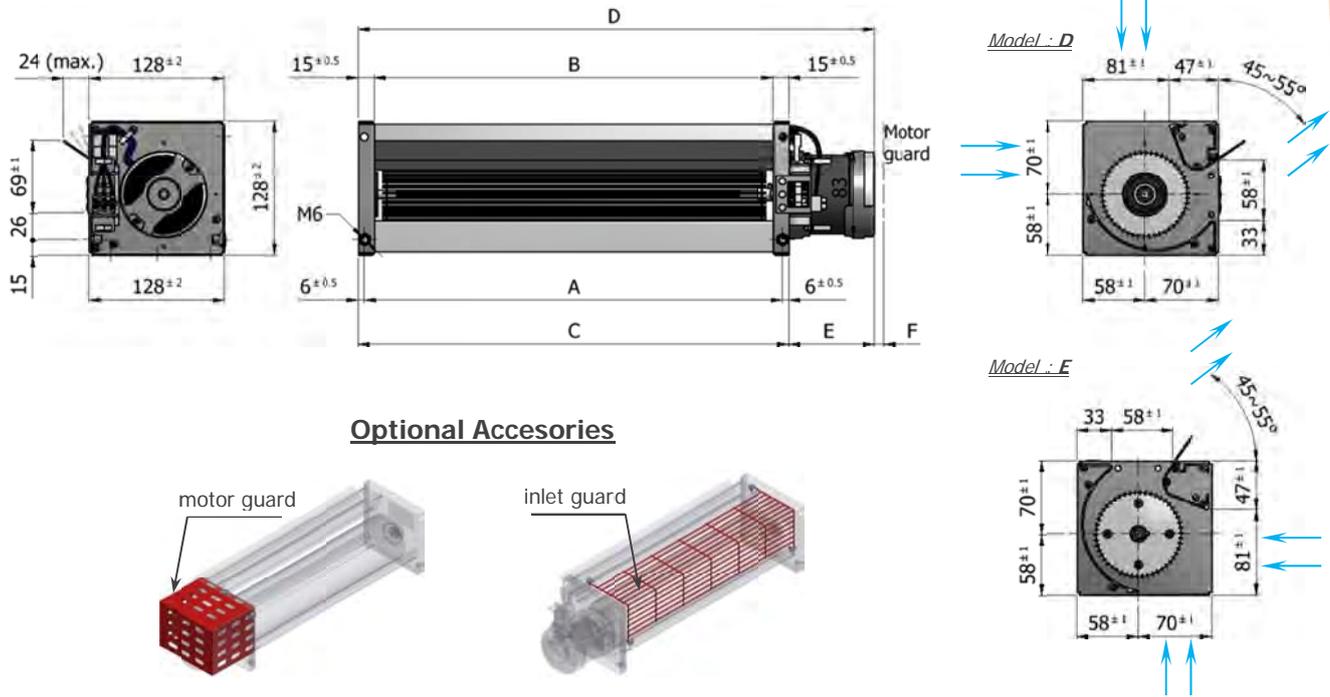
Operation Indoor



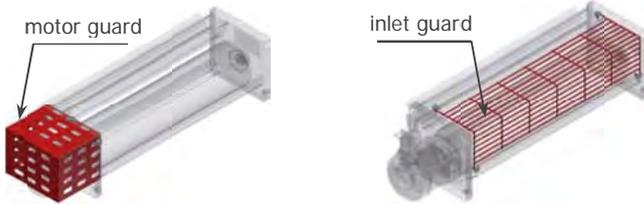
CROSS-FLOW FANS FOR DRY TYPE TRANSFORMERS

50HZ OPERATON

Dimensions



Optional Accessories



Model	A [mm]	B [mm]	C [mm]	D [mm]	E [mm]	F [mm]
CF80-180S	214	196	226	301,5	75,5	10
CF80-360S	394	376	406	481,5	75,5	10
CF80-500S	534	516	546	621,5	75,5	10
CF80-180H	214	196	226	306,5	80,5	5
CF80-360H	394	376	406	486,5	80,5	5
CF80-500H	534	516	546	626,5	80,5	5

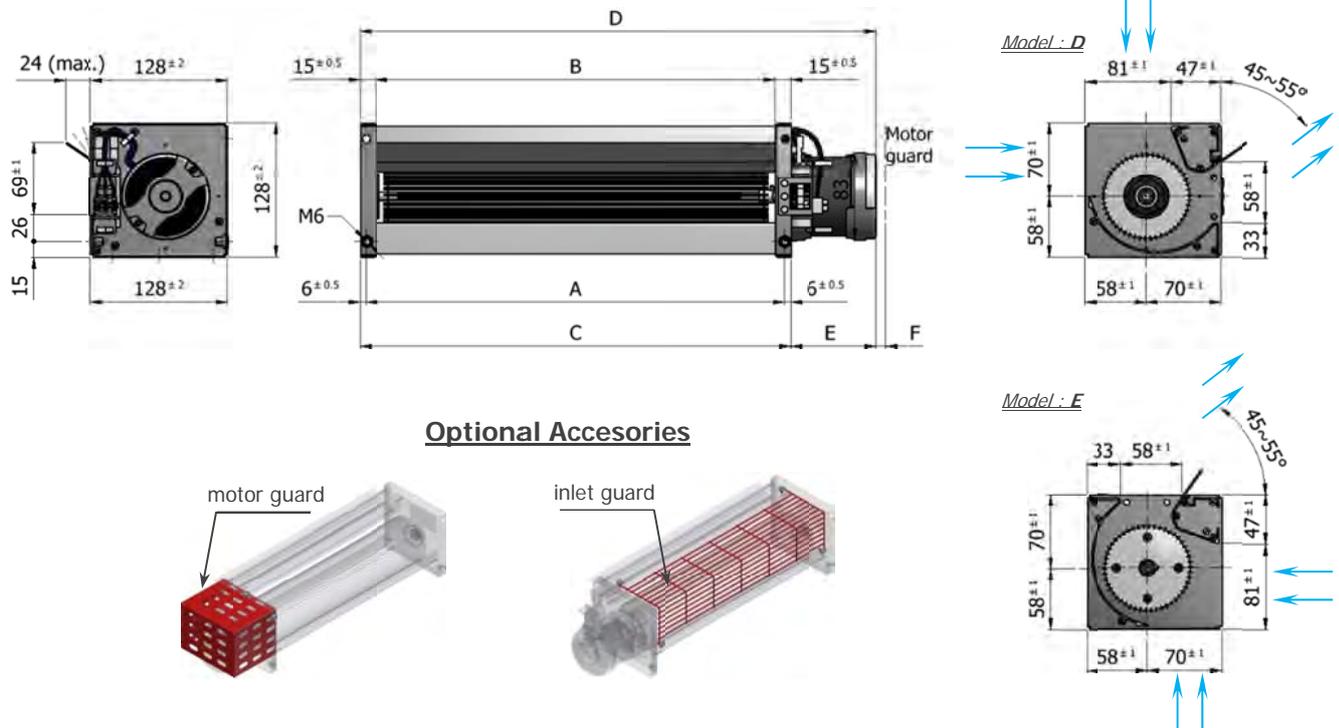
Performance Data

Model	Supply Power	Input Power [W]	Speed [rpm]	Air Flow [m ³ /h]	Current [A]	Sound LpA@1m [dB(A)]	Weight [kg]
CF80-180S	220~240VAC 50Hz single phase	95	2600	480	0,45	60	3,0
CF80-360S		120	2350	880	0,55	60	3,5
CF80-500S		135	2100	1060	0,60	60	4,0
CF80-180H	220~240VAC 50Hz single phase	110	2800	580	0,50	62	3,3
CF80-360H		140	2700	1000	0,60	65	3,8
CF80-500H		160	2650	1400	0,66	65	4,3

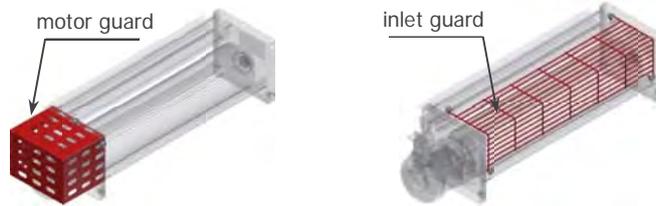
CROSS-FLOW FANS FOR DRY TYPE TRANSFORMERS

60HZ OPERATION

Dimensions



Optional Accesories



Model	A [mm]	B [mm]	C [mm]	D [mm]	E [mm]	F [mm]
CF80-180H.60	214	196	226	306,5	80,5	5
CF80-360H.60	394	376	406	486,5	80,5	5
CF80-500H.60	534	516	546	626,5	80,5	5

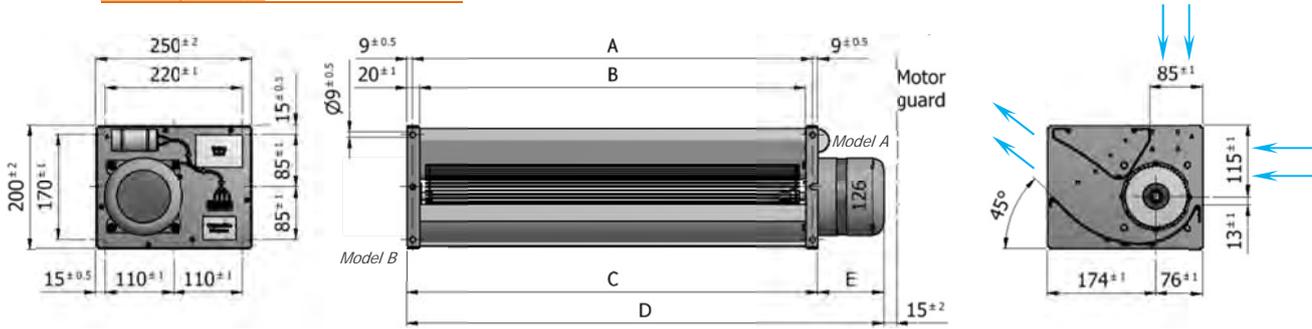
Performance Data

Model	Supply Power	Input Power [W]	Speed [rpm]	Air Flow [m ³ /h]	Current [A]	Sound LpA@1m [dB(A)]	Weight [kg]
CF80-180H.60	220~240VAC 60Hz single phase	145	3200	660	0,65	69	3,3
CF80-360H.60		190	3000	1200	0,85	71	3,8
CF80-500H.60		205	2800	1550	0,90	69	4,3

CROSS-FLOW FANS FOR DRY TYPE TRANSFORMERS

50HZ OPERATON

Dimensions



Optional Accesories



Model	A [mm]	B [mm]	C [mm]	D [mm]	E [mm]
CF100-620LN	642	620	660	765	105
CF100-620S	642	620	660	765	105
CF100-620M	642	620	660	805	145
CF100-620H	642	620	660	825	165
CF100-720LN	742	720	760	865	105
CF100-720S	742	720	760	865	105
CF100-720H	742	720	760	905	145
CF100-820LN	842	820	860	965	105
CF100-820S	842	820	860	965	105
CF100-820H	842	820	860	1005	145

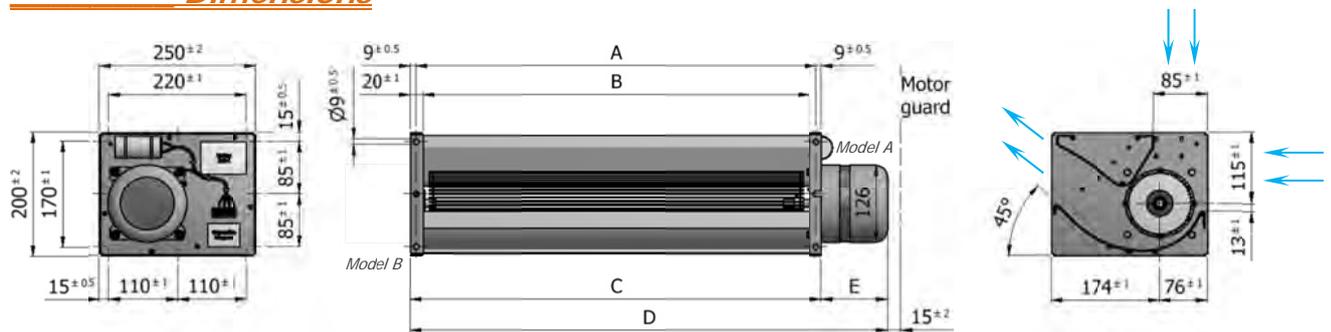
Performance Data

Model	Supply Power	Input Power [W]	Speed [rpm]	Air Flow [m ³ /h]	Current [A]	Sound LpA@1m [dB(A)]	Weight [kg]
CF100-620LN	220~240VAC 50Hz single phase	150	930	1150	0,8	53	8,3
CF100-620S		240	1430	1600	1,6	63	8,3
CF100-620M		470	1900	2200	2,2	69	11,3
CF100-620H		700	2600	2700	3,2	79	12,8
CF100-720LN	220~240VAC 50Hz single phase	150	900	1300	0,8	53	8,5
CF100-720S		240	1400	1900	1,6	63	8,5
CF100-720H		490	1900	2500	2,3	69	11,5
CF100-820LN	220~240VAC 50Hz single phase	160	930	1500	0,8	53	8,7
CF100-820S		240	1400	2150	1,6	64	8,7
CF100-820H		570	1900	3100	2,5	70	11,7

CROSS-FLOW FANS FOR DRY TYPE TRANSFORMERS

60HZ OPERATION

Dimensions



Optional Accesories



Model	A [mm]	B [mm]	C [mm]	D [mm]	E [mm]
CF100-620LN.60	642	620	660	765	105
CF100-620S.60	642	620	660	765	105
CF100-720LN.60	742	720	760	865	105
CF100-720S.60	742	720	760	865	105
CF100-820LN.60	842	820	860	965	105
CF100-820S.60	842	820	860	965	105

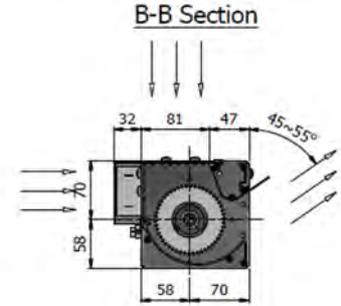
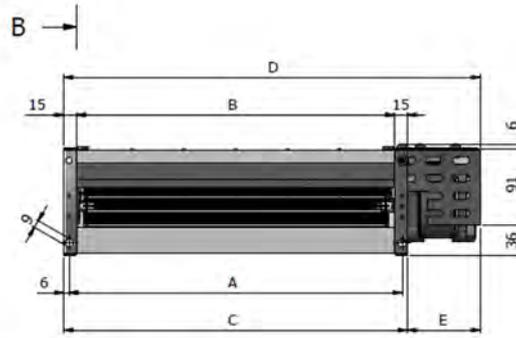
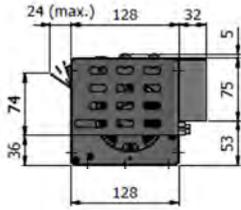
Performance Data

Model	Supply Power	Input Power [W]	Speed [rpm]	Air Flow [m³/h]	Current [A]	Sound LpA@1m [dB(A)]	Weight [kg]
CF100-620LN.60	220~240VAC 60Hz single phase	150	1090	1380	0,8	57	8,3
CF100-620S.60		240	1660	1900	1,5	67	8,3
CF100-720LN.60	220~240VAC 60Hz single phase	150	1100	1600	0,8	57	8,5
CF100-720S.60		250	1670	2350	1,5	67	8,5
CF100-820LN.60	220~240VAC 60Hz single phase	160	1100	1800	0,8	58	8,7
CF100-820S.60		250	1670	2600	1,5	68	8,7

CROSS-FLOW FANS FOR DRY TYPE TRANSFORMERS

CF80 UL SERIES

Dimensions



Connection

Green Yellow	Blue	Black White	Brown White
PE	L	N	--

UL Recognized :
 - Motor
 - Terminal block
 - Capacitor
 - Cables



Model	A [mm]	B [mm]	C [mm]	D [mm]	E [mm]
CF80-180UL 110V	214	196	226	312,5	86,5
CF80-360UL 110V	394	376	406	492,5	86,5
CF80-500UL 110V	534	516	546	632,5	86,5
CF80-180UL 220V	214	196	226	312,5	86,5
CF80-360UL 220V	394	376	406	492,5	86,5
CF80-500UL 220V	534	516	546	632,5	86,5

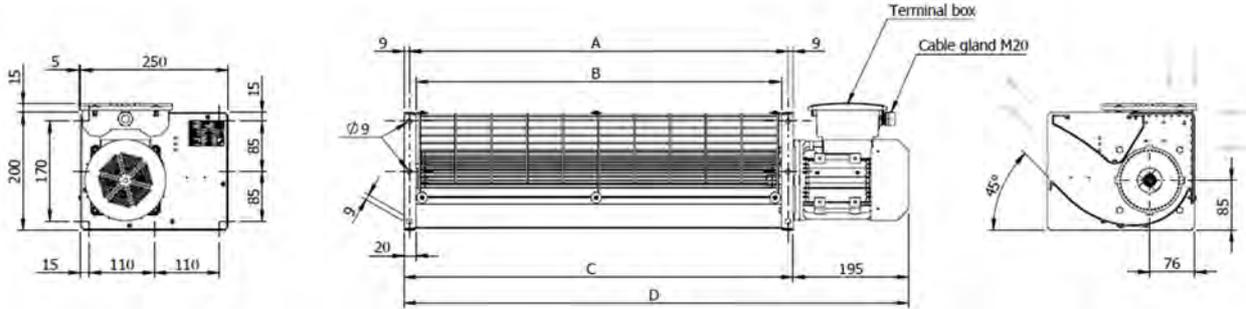
Performance Data

Model	Supply Power	Input Power [W]	Speed [rpm]	Air Flow [m3/h]	Current [A]	Sound Lpa@1m [db(A)]	Weight [kg]
CF80-180UL 110V	110~120VAC 60Hz Single Phase	120	2850	580	1,20	63	6,3
CF80-360UL 110V		140	2800	1100	1,30	65	6,7
CF80-500UL 110V		160	2350	1300	1,55	66	7,0
CF80-180UL 220V	220~240VAC 60Hz Single Phase	120	2850	580	0,60	63	6,3
CF80-360UL 220V		140	2800	1100	0,65	65	6,7
CF80-500UL 220V		160	2350	1300	0,75	66	7,0

CROSS-FLOW FANS FOR DRY TYPE TRANSFORMERS

CF100 UL SERIES

Dimensions



Model	A [mm]	B [mm]	C [mm]	D [mm]
CF100-620.UL 110V	642	620	660	855
CF100-720.UL 110V	742	720	760	855
CF100-820.UL 110V	842	820	860	855
CF100-620.UL 220V	642	620	660	855
CF100-720.UL 220V	742	720	760	955
CF100-820.UL 220V	842	820	860	1055

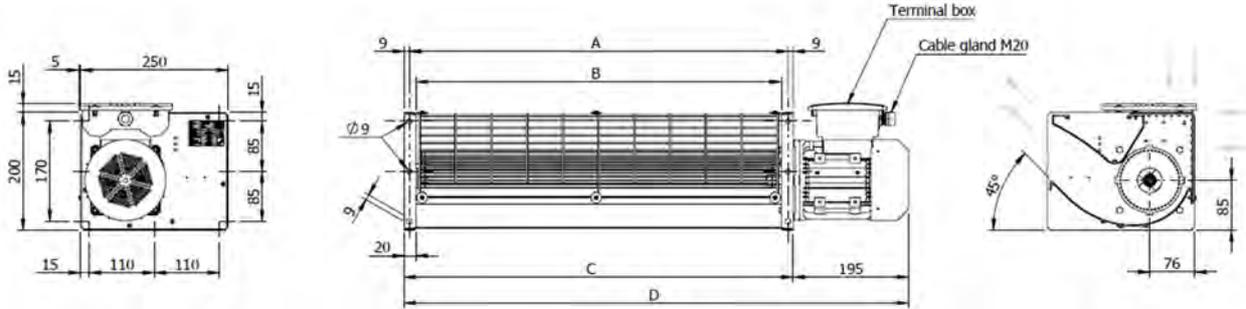
Performance Data

Model	Supply Power	Input Power [W]	Speed [rpm]	Air Flow [m ³ /h]	Current [A]	Sound Lpa@1m [db(A)]	Weight [kg]
CF100-620.UL 110V	110~120VAC 60Hz Single Phase	300	1750	2200	3,10	68	14,7
CF100-720.UL 110V		310	1750	2600	3,10	69	15,2
CF100-820.UL 110V		340	1750	2900	3,20	70	15,7
CF100-620.UL 220V	220~240VAC 60Hz Single Phase	300	1750	2200	1,40	68	14,7
CF100-720.UL 220V		310	1750	2600	1,50	69	15,2
CF100-820.UL 220V		340	1750	2900	1,50	70	15,7

CROSS-FLOW FANS FOR DRY TYPE TRANSFORMERS

CF100 IP55 SERIES

Dimensions



Model	A [mm]	B [mm]	C [mm]	D [mm]
CF100-620.A2K	642	620	660	855
CF100-620.A4K	642	620	660	855
CF100-720.A4K	742	720	760	955
CF100-820.A4K	842	820	860	1055

Performance Data

Model	Supply Power	Input Power [W]	Speed [rpm]	Air Flow [m ³ /h]	Current [A]	Sound Lpa@1m [db(A)]	Weight [kg]
CF100-620.A2K	220~240VAC 50Hz Single Phase	770	2840	2800	3,30	81	13
CF100-620.A4K		240	1440	1600	1,50	68	14,7
CF100-720.A4K		270	1440	1900	1,60	71	15,2
CF100-820.A4K		280	1440	2150	1,60	72	15,7



TRANSFORMER COOLING SOLUTIONS

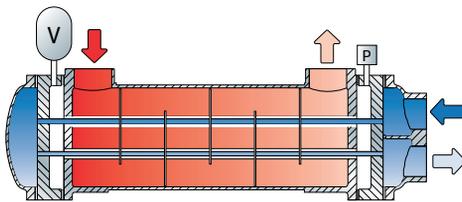
EXTRA SAFETY DOUBLE TUBE HEAT EXCHANGER

In order to eliminate the risk of leakage from water to oil, double tube STE Shell & Tube exchangers are the key solution. Design of the exchangers can be done upon the design of the transformer.

There are 2 layer of tubes which creates a space that is filling with water/coolant if there is leakage on the inner tube. With this, it is possible to detect the leakage by sensing the water/coolant or the pressure before it is mixing to the transformer oil.

STE Shell&Tube exchangers are optimized for transformer operation with its extra safety.

To design the OFWF coolers; oil temperature rise, oil type, transformer losses, water/coolant type, flow rate, temperature; corrosion class requirement, environmental details has to be given. Also oil pump can be selected and provided by STE.



Blue = Tube Area | Red = Shell Area | White = Safety Space
P = Pressure Control Device | V = Volume Expansion Tank





TRANSFORMER COOLING SOLUTIONS

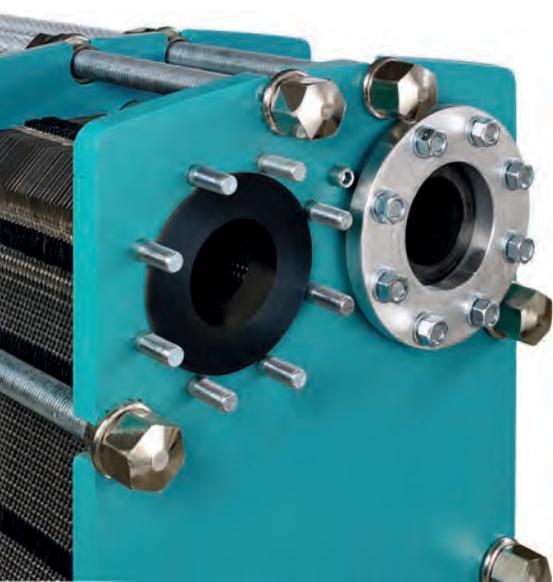
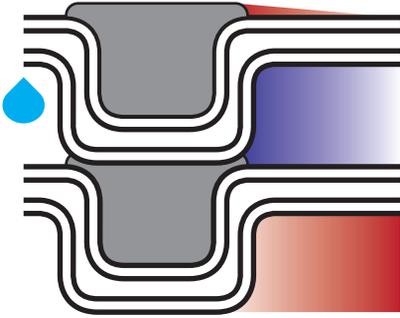
EXTRA SAFETY DOUBLE WALL PLATE HEAT EXCHANGER

STE Double-Wall OFWF Plate Exchangers were designed to prevent mixture of oil and water in case of a leakage by implementing double-wall plates. In case of leakage, water will go through the plates and an alarm might be generated by built-in sensor.

There are 2 layer of wall which creates a space that is filling with water/coolant if there is leakage on the inner wall. With this, it is possible to detect the leakage by sensing the water/coolant or the pressure before it is mixing to the transformer oil.

STE Double Wall Plate Exchangers are optimized for transformer operation with its extra safety.

To design the OFWF coolers; oil temperature rise, oil type, transformer losses, water/coolant type, flow rate, temperature; corrosion class requirement, environmental details has to be given. Also oil pump can be selected and provided by STE.





STE OFAF Coolers were designed to dissipate the heat generated by the transformer losses. System can be designed to withstand the challenging environment conditions for a long term lifetime.

TRANSFORMER COOLING SOLUTIONS

OF AF - TRANSFORMER OIL TO AIR COOLERS

By applying STE - OFAF coolers, transformer radiator can be removed and overall size can be reduced. Also oil and tank cost can be decreased.

STE OFAF Coolers might be made of stainless steel, copper or aluminum.

To design the OFAF coolers, oil temperature rise, oil type, transformer losses, ambient temperature, corrosion class requirement, environmental details has to be given. Also oil pump can be selected and provided by STE.





High performance fans are designed to dissipate heat generated by transformer losses while complying with the market requirements and assure fail-safe operations in all industrial zones.

TRANSFORMER COOLING SOLUTIONS

ONAF & ANAF - TRANSFORMER COOLING FANS

By using transformer cooling fans, extra loading of the transformer is achievable. By the advantage of wide customization options, STE cooling fans might be selected according to air flow, diameter, size, sound level, corrosion class (upto C5-I&M high durability), different colors, IP classes (upto IP66) requirements.

Operation at challenging environments like Ex-proof areas, marine, mine, offshore, tropical and upto 70°C ambient temperature with 100% RH is available.

Ecodesign directive for efficiency can be applied.





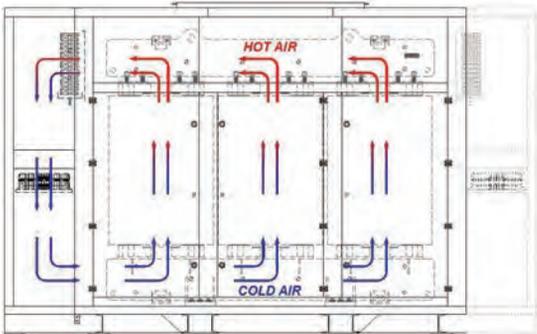
TRANSFORMER COOLING SOLUTIONS

AFWF - DRY TYPE TRANSFORMER WATER COOLERS

STE AFWF Coolers were designed to dissipate the heat generated by the transformer losses. System can be designed to withstand the challenging environment conditions for a long term lifetime. Leakage dedection system can be integrated for increased safety.

By using STE AFWF coolers dry type transformers can achieve upto IP55 protection class with a totally closed enclosure independent from the environment. Only supply of coolant and energy, transformers can be operated in harsh conditions like offshore, marine, mines and tropical areas.

STE AFWF Coolers might be made of stainless steel, titanium, copper or aluminum. As coolant; water, sea water, glycol added water, etc. can be used. To design the AFWF coolers, transformer losses, ambient temperature, corrosion class requirement, environmental details has to be given. Also coolant flow rate, temperature and pressure levels has to be decided.





TRANSFORMER COOLING SOLUTIONS

AFRF – DRY TYPE TRANSFORMER REFRIGERANT COOLING

STE AFRF Coolers were designed to dissipate the heat generated by the transformer losses. System can be designed to withstand the challenging environment conditions for a long term lifetime.

By using STE patented AFRF coolers dry type transformers can achieve upto IP55 protection class with a totally closed enclosure independent from the environment. Without supply of anything, transformers can be operated in harsh conditions like offshore, marine, mines and tropical. It is a self opretad standalone system.

STE AFRF coolers might be made of stainless steel, copper or aluminum. To design the AFRF coolers, transformer losses, ambient temperature, corrosion class requirement, environmental details has to be given.

