



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.



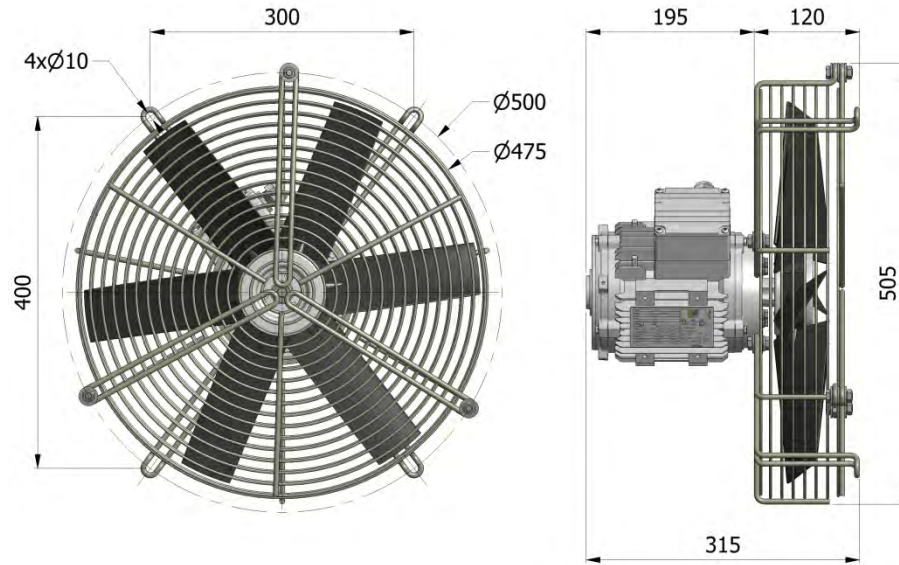
- ✓ ENGINEERED FOR TRANSFORMER OPERATION
- ✓ FULLY CLOSED MOTOR UP TO IP66
- ✓ EASY INSTALLATION
- ✓ HIGH CORROSION RESISTANCE
- ✓ SAFE OPERATION WITH COMPLETE GUARD GRILLES
- ✓ SUITABLE FOR EXTREME AMBIENT TEMPERATURES
- ✓ WIDE CUSTOMIZATION OPTIONS
- ✓ ERP DESIGN AVAILABLE



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



Fan Dimensions



Configuration

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

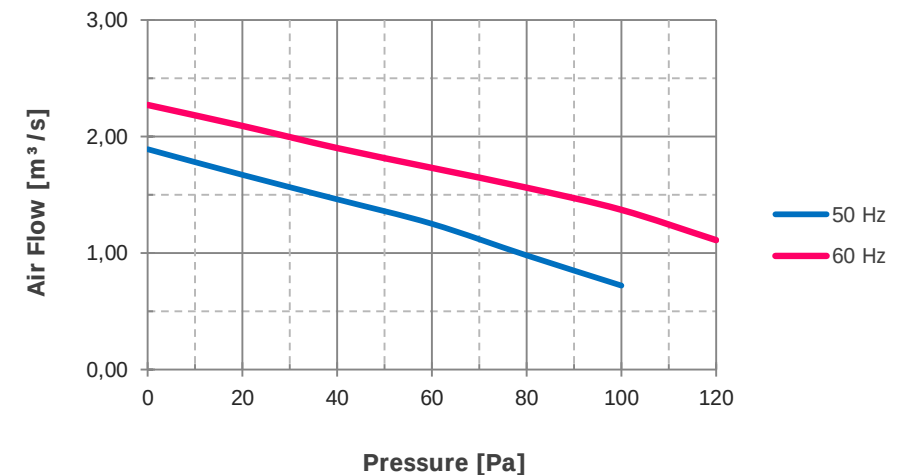
Thermal protection requires an external control unit or relay to operate.

Specification

Number of Poles	4	
Type	A45G-F	
Frequency (±2%)	50 Hz	60 Hz
Voltage (3ph. ±5%)	230V Δ / 400V Y	278V Δ / 480V Y
Full Load Current	2,4 A / 1,4 A	2,6 A / 1,5 A
Input Power (max.)	470 W	810 W
Speed	1440 rpm	1728 rpm
Sound Pressure (L _{PA} 1m/2m)	68 dB(A) / 63 dB(A)	73 dB(A) / 68 dB(A)
Air Flow	1,74 m ³ /s	2,05 m ³ /s
Weight (varies by options)	14 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.

Performance

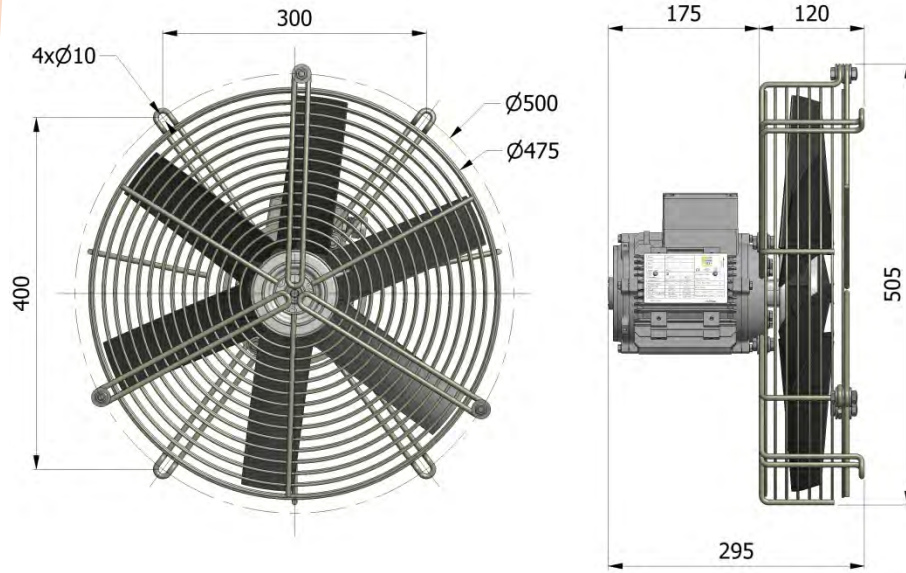


A45G-B

BALANCED PERFORMANCE AXIAL FAN



Fan Dimensions



Specification

Number of Poles	6	
Type	A45G-B	
Frequency ($\pm 2\%$)	50 Hz	60 Hz
Voltage (3ph. $\pm 5\%$)	230V Δ / 400V Y	278V Δ / 480V Y
Full Load Current	1,2 A / 0,7 A	1,4 A / 0,8 A
Input Power (max.)	220 W	350 W
Speed	960 rpm	1152 rpm
Sound Pressure (L_{PA} 1m/2m)	58 dB(A) / 53 dB(A)	62 dB(A) / 57 dB(A)
Air Flow	1,10 m ³ /s	1,35 m ³ /s
Weight (varies by options)	11 kg	

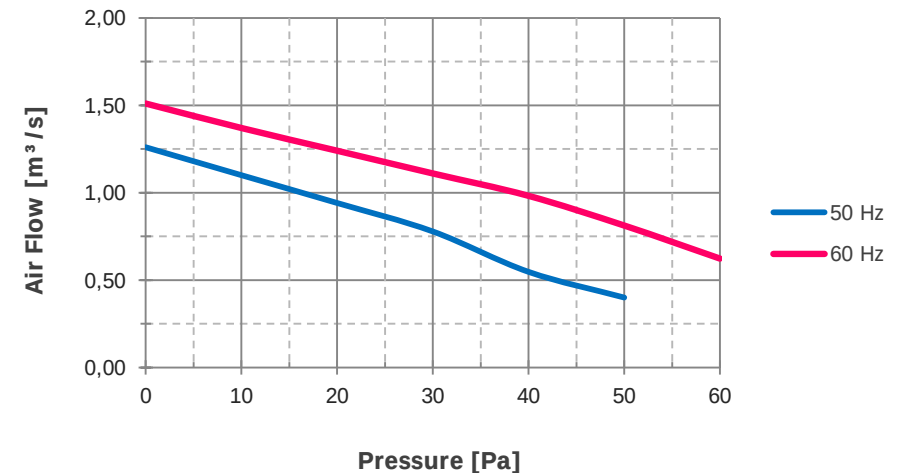
Air flow and sound pressure level (SPL) are given for free blowing operation with inlet&outlet guard grids. SPL values at 1m are measured from side of the fan. SPL values at 2m are calculated by inverse square law.

Configuration

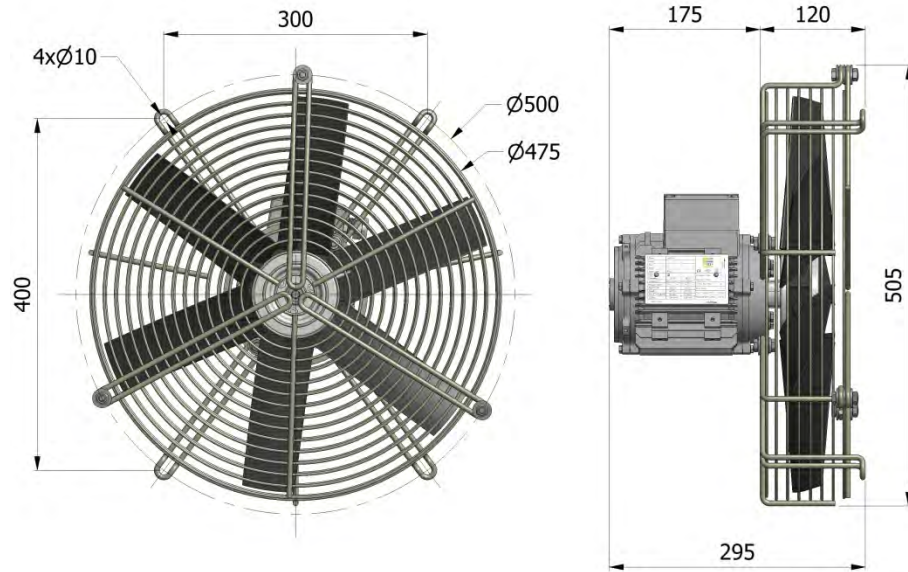
Motor Protection Class	☐ IP55	☐ IP56	☐ IP65	☐ IP66
Wings	☐ GFR Polyamide		☐ Aluminum	
Protection Grids	☐ Rear		☐ Front	
Color (housing,motor,grids)	☐ RAL7031	☐ RAL7032	☐ RAL7033	☐ Other
Operation Ambient (°C)	☐ -25~+60	☐ -25~+70	☐ -40~+60	☐ -40~+70
Corrosion Class	☐ C3	☐ C4	☐ C5	Medium/High
Thermal Protection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

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

Performance



Fan Dimensions



Configuration

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

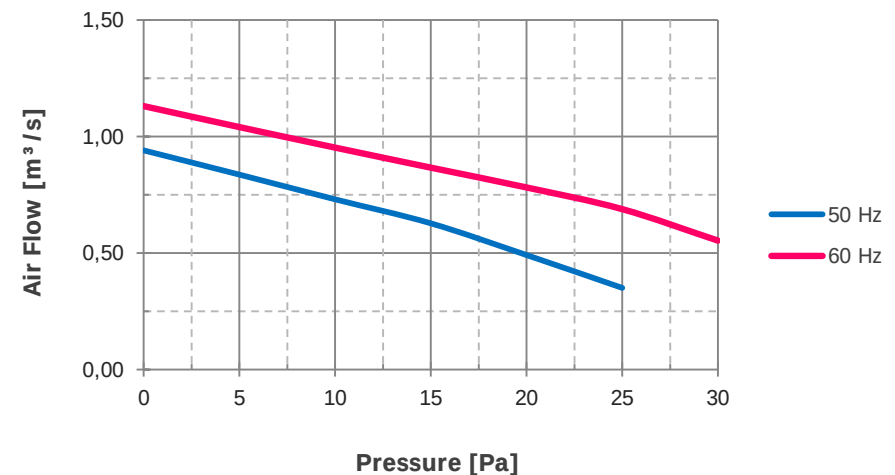
Thermal protection requires an external control unit or relay to operate.

Specification

Number of Poles	8	
Type	A45G-S	
Frequency (±2%)	50 Hz	60 Hz
Voltage (3ph. ±5%)	230V Δ / 400V Y	278V Δ / 480V Y
Full Load Current	1,4 A / 0,8 A	1,4 A / 0,8 A
Input Power (max.)	210 W	270 W
Speed	720 rpm	864 rpm
Sound Pressure (L _{PA} 1m/2m)	50 dB(A) / 45 dB(A)	54 dB(A) / 49 dB(A)
Air Flow	0,82 m ³ /s	1,02 m ³ /s
Weight (varies by options)	12 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.

Performance

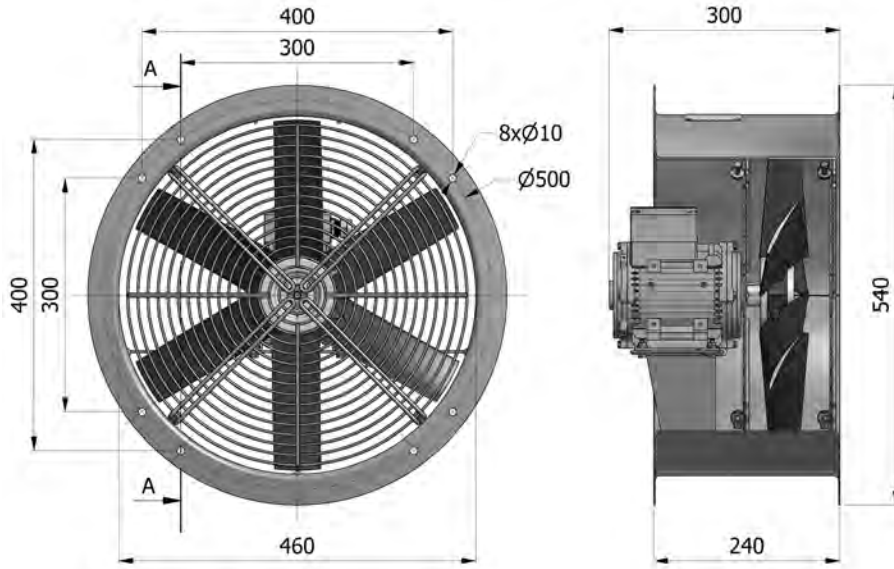


A46C-F

FLOW OPTIMIZED AXIAL FAN



Fan Dimensions



Specification

Number of Poles	4	
Type	A46C-F5	A46C-F6
Frequency ($\pm 2\%$)	50 Hz	60 Hz
Voltage (3ph. $\pm 5\%$)	230V Δ / 400V Y	278V Δ / 480V Y
Full Load Current	1,9 A / 1,1 A	2,1 A / 1,2 A
Input Power (max.)	450 W	550 W
Speed	1440 rpm	1728 rpm
Sound Pressure (L_{PA} 1m/2m)	75 dB(A) / 70 dB(A)	79 dB(A) / 74 dB(A)
Air Flow	1,90 m ³ /s	2,01 m ³ /s
Weight (varies by options)	20 kg	

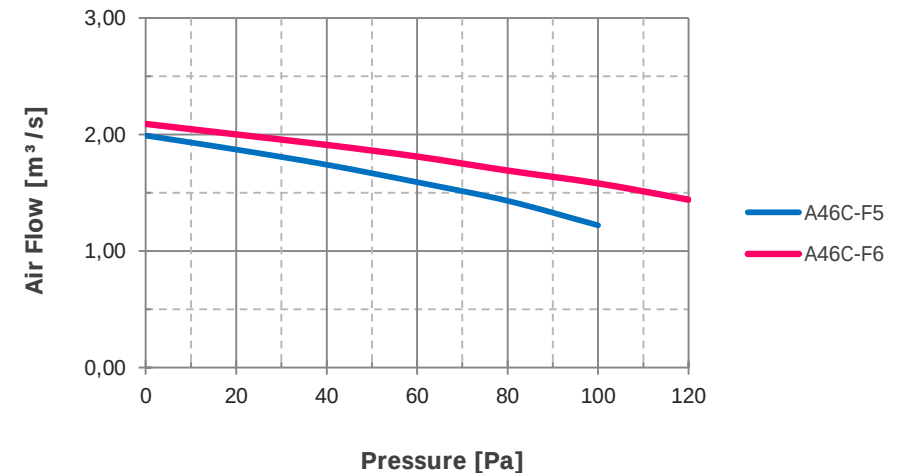
Air flow and sound pressure level (SPL) are given for free blowing operation with inlet&outlet guard grids. SPL values at 1m are measured from side of the fan. SPL values at 2m are calculated by inverse square law.

Configuration

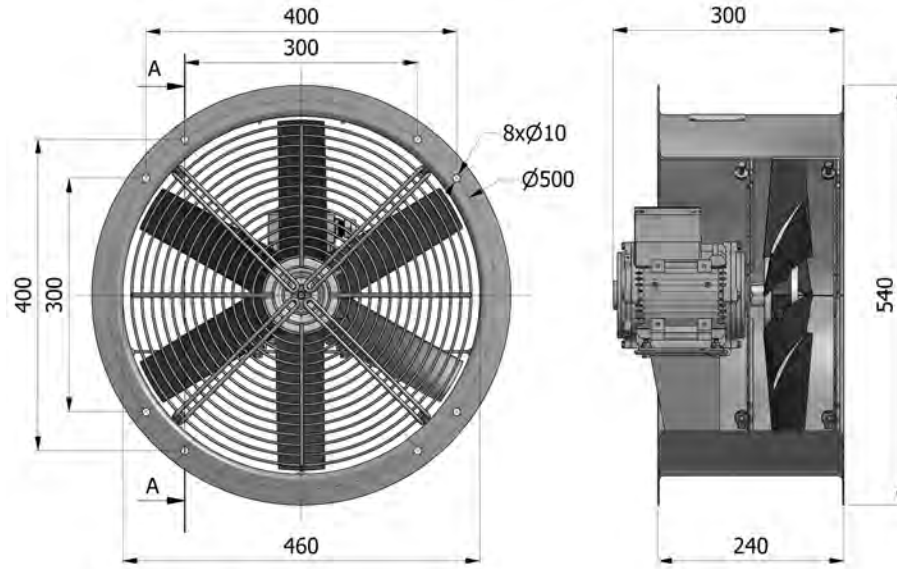
Motor Protection Class	☐ IP55	☐ IP56	☐ IP65	☐ IP66
Wings	☐ GFR Polyamide		☐ Aluminum	
Protection Grids	☐ Rear		☐ Front	
Color (housing, motor, grids)	☐ RAL7031	☐ RAL7032	☐ RAL7033	☐ Other
Operation Ambient (°C)	☐ -25~+60	☐ -25~+70	☐ -40~+60	☐ -40~+70
Corrosion Class	☐ C3	☐ C4	☐ C5	Medium/High
Thermal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

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

Performance



Fan Dimensions



Configuration

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

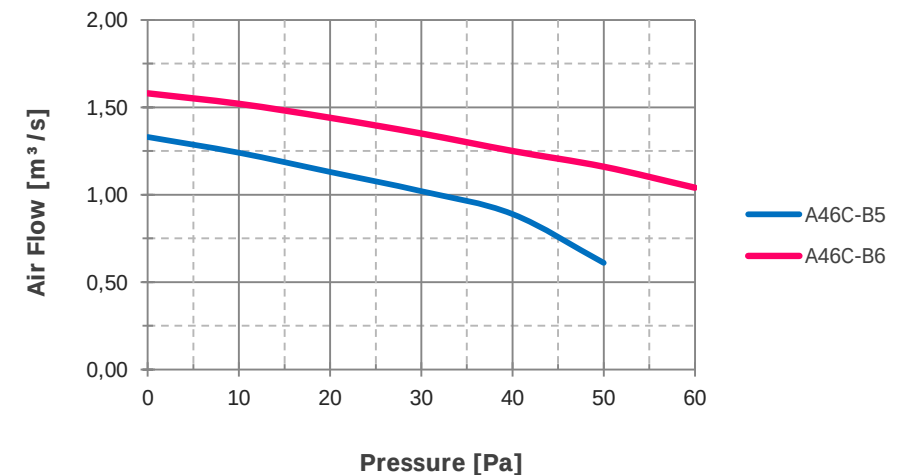
Thermal protection requires an external control unit or relay to operate.

Specification

Number of Poles	6	
Type	A46C-B5	A46C-B6
Frequency (±2%)	50 Hz	60 Hz
Voltage (3ph. ±5%)	230V Δ / 400V Y	278V Δ / 480V Y
Full Load Current	0,9 A / 0,5 A	1,0 A / 0,6 A
Input Power (max.)	200 W	300 W
Speed	960 rpm	1152 rpm
Sound Pressure (L_{PA} 1m/2m)	63 dB(A) / 58 dB(A)	66 dB(A) / 61 dB(A)
Air Flow	1,24 m ³ /s	1,50 m ³ /s
Weight (varies by options)	19 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.

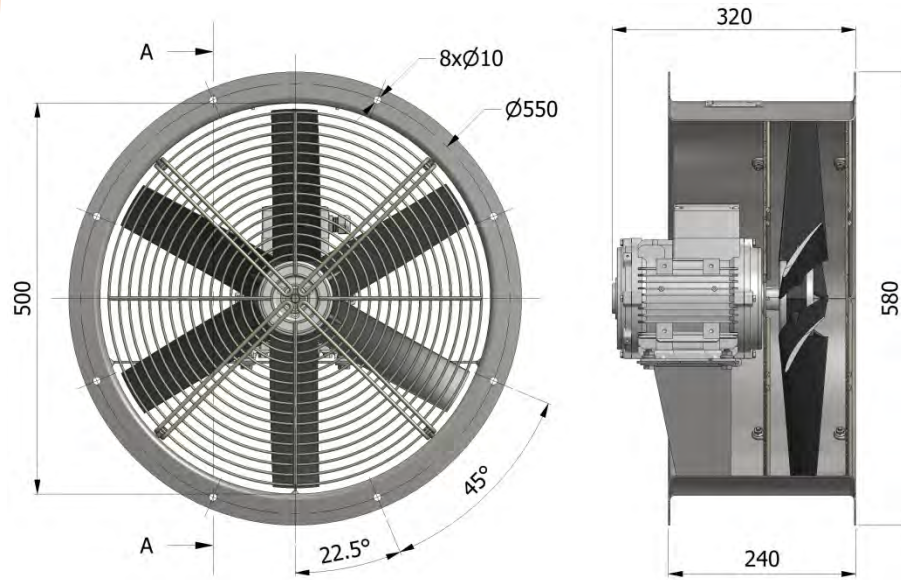
Performance



A50C-F

FLOW OPTIMIZED AXIAL FAN

Fan Dimensions



Specification

Number of Poles	4	
Type	A50C-F5	A50C-F6
Frequency ($\pm 2\%$)	50 Hz	60 Hz
Voltage (3ph. $\pm 5\%$)	230V Δ / 400V Y	278V Δ / 480V Y
Full Load Current	2,6 A / 1,5 A	2,8 A / 1,6 A
Input Power (max.)	600 W	720 W
Speed	1440 rpm	1728 rpm
Sound Pressure (L_{PA} 1m/2m)	76 dB(A) / 71 dB(A)	80 dB(A) / 75 dB(A)
Air Flow	2,39 m ³ /s	2,50 m ³ /s
Weight (varies by options)	23 kg	

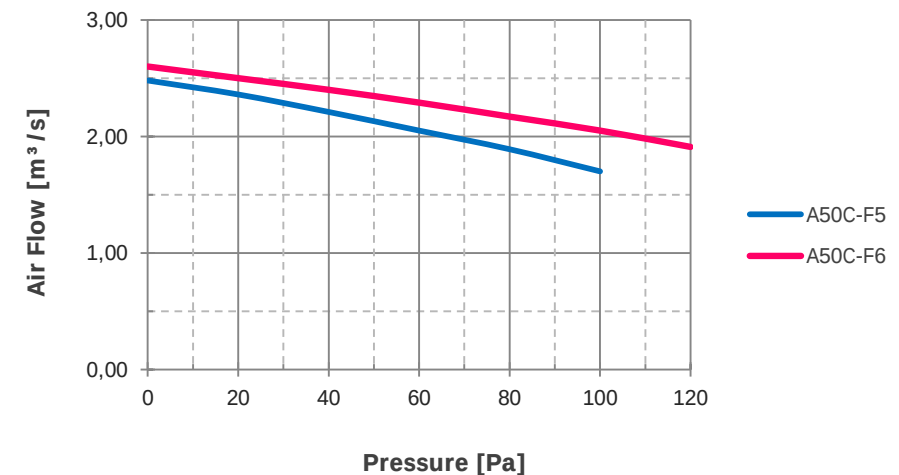
Air flow and sound pressure level (SPL) are given for free blowing operation with inlet&outlet guard grids. SPL values at 1m are measured from side of the fan. SPL values at 2m are calculated by inverse square law.

Configuration

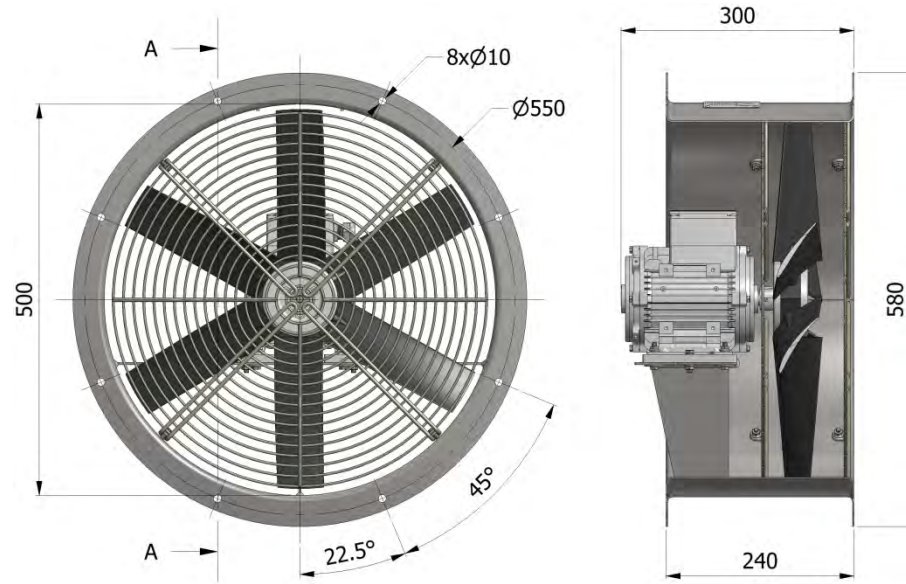
Motor Protection Class	☐ IP55	☐ IP56	☐ IP65	☐ IP66
Wings	☐ GFR Polyamide		☐ Aluminum	
Protection Grids	☐ Rear		☐ Front	
Color (housing, motor, grids)	☐ RAL7031	☐ RAL7032	☐ RAL7033	☐ Other
Operation Ambient (°C)	☐ -25~+60	☐ -25~+70	☐ -40~+60	☐ -40~+70
Corrosion Class	☐ C3	☐ C4	☐ C5	Medium/High
Thermal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

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

Performance



Fan Dimensions



Configuration

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

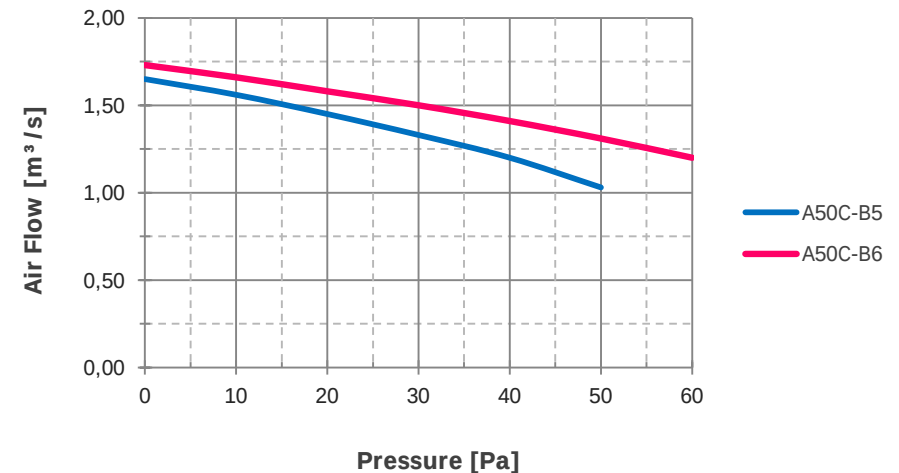
Thermal protection requires an external control unit or relay to operate.

Specification

Number of Poles	6	
Type	A50C-B5	A50C-B6
Frequency (±2%)	50 Hz	60 Hz
Voltage (3ph. ±5%)	230V Δ / 400V Y	278V Δ / 480V Y
Full Load Current	1,0 A / 0,6 A	1,2 A / 0,7 A
Input Power (max.)	230 W	260 W
Speed	960 rpm	1152 rpm
Sound Pressure (L _{PA} 1m/2m)	64 dB(A) / 59 dB(A)	67 dB(A) / 62 dB(A)
Air Flow	1,55 m ³ /s	1,64 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.

Performance

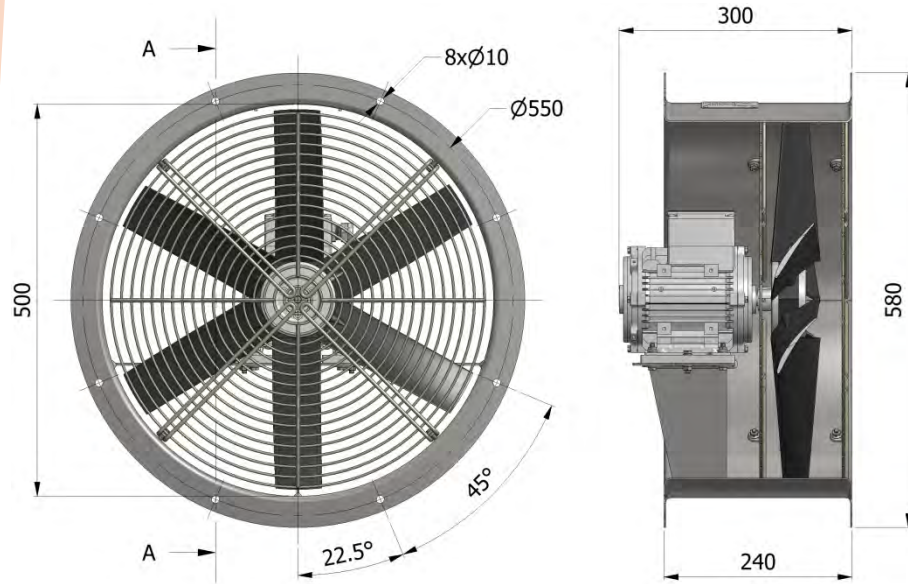


A50C-S

LOW NOISE AXIAL FAN



Fan Dimensions



Specification

Number of Poles	8	
Type	A50C-S5	A50C-S6
Frequency (±2%)	50 Hz	60 Hz
Voltage (3ph. ±5%)	230V Δ / 400V Y	278V Δ / 480V Y
Full Load Current	1,4 A / 0,8 A	1,4 A / 0,8 A
Input Power (max.)	220 W	250 W
Speed	720 rpm	864 rpm
Sound Pressure (L _{PA} 1m/2m)	59 dB(A) / 54 dB(A)	61 dB(A) / 56 dB(A)
Air Flow	1,21 m³/s	1,39 m³/s
Weight (varies by options)	21 kg	

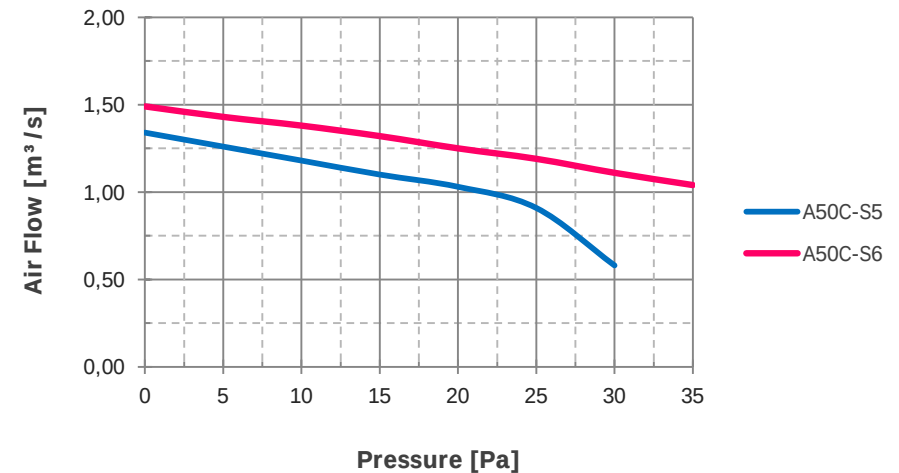
Air flow and sound pressure level (SPL) are given for free blowing operation with inlet&outlet guard grids. SPL values at 1m are measured from side of the fan. SPL values at 2m are calculated by inverse square law.

Configuration

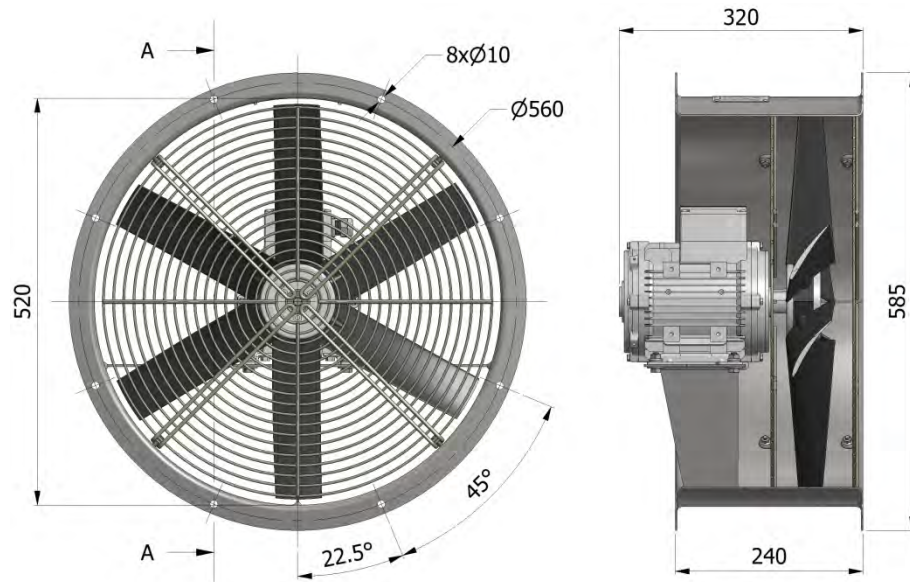
Motor Protection Class	☐ IP55	☐ IP56	☐ IP65	☐ IP66
Wings	☐ GFR Polyamide		☐ Aluminum	
Protection Grids	☐ Rear		☐ Front	
Color (housing,motor,grids)	☐ RAL7031	☐ RAL7032	☐ RAL7033	☐ Other
Operation Ambient (°C)	☐ -25~+60	☐ -25~+70	☐ -40~+60	☐ -40~+70
Corrosion Class	☐ C3	☐ C4	☐ C5	Medium/High
Thermal Protection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

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

Performance



Fan Dimensions



Configuration

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

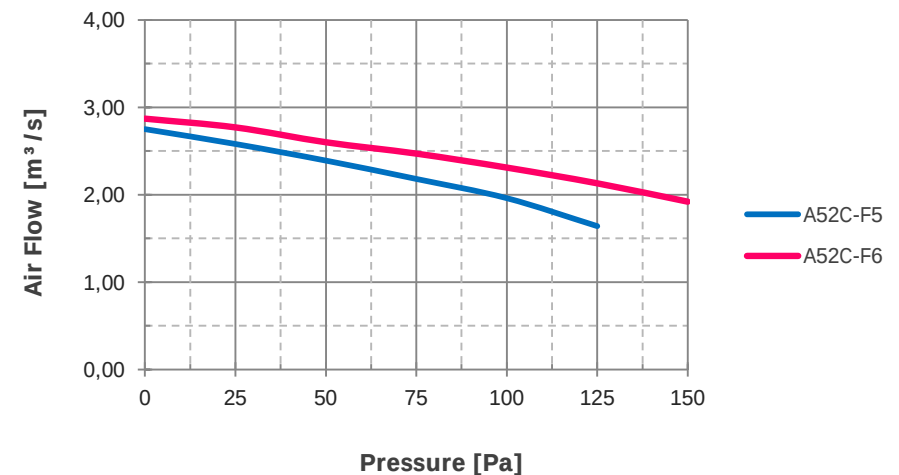
Thermal protection requires an external control unit or relay to operate.

Specification

Number of Poles	4	
Type	A52C-F5	A52C-F6
Frequency (±2%)	50 Hz	60 Hz
Voltage (3ph. ±5%)	230V Δ / 400V Y	278V Δ / 480V Y
Full Load Current	2,8 A / 1,6 A	2,8 A / 1,6 A
Input Power (max.)	680 W	790 W
Speed	1440 rpm	1728 rpm
Sound Pressure (L _{PA} 1m/2m)	77 dB(A) / 72 dB(A)	81 dB(A) / 76 dB(A)
Air Flow	2,63 m ³ /s	2,74 m ³ /s
Weight (varies by options)	24 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.

Performance

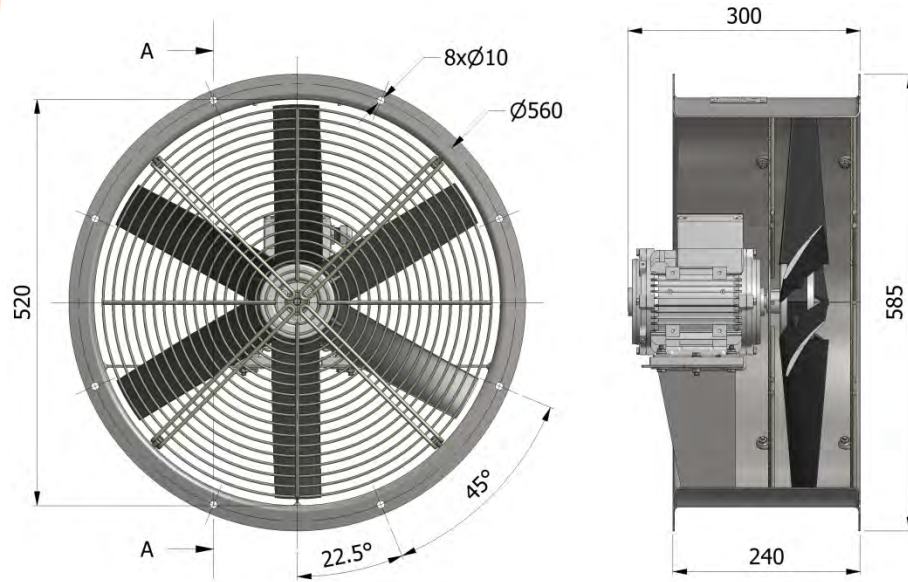


A52C-B

BALANCED PERFORMANCE AXIAL FAN



Fan Dimensions



Specification

Number of Poles	6	
Type	A52C-B5	A52C-B6
Frequency ($\pm 2\%$)	50 Hz	60 Hz
Voltage (3ph. $\pm 5\%$)	230V Δ / 400V Y	278V Δ / 480V Y
Full Load Current	1,2 A / 0,7 A	1,2 A / 0,7 A
Input Power (max.)	250 W	300 W
Speed	960 rpm	1152 rpm
Sound Pressure (L_{PA} 1m/2m)	66 dB(A) / 61 dB(A)	69 dB(A) / 64 dB(A)
Air Flow	1,71 m ³ /s	1,80 m ³ /s
Weight (varies by options)	22 kg	

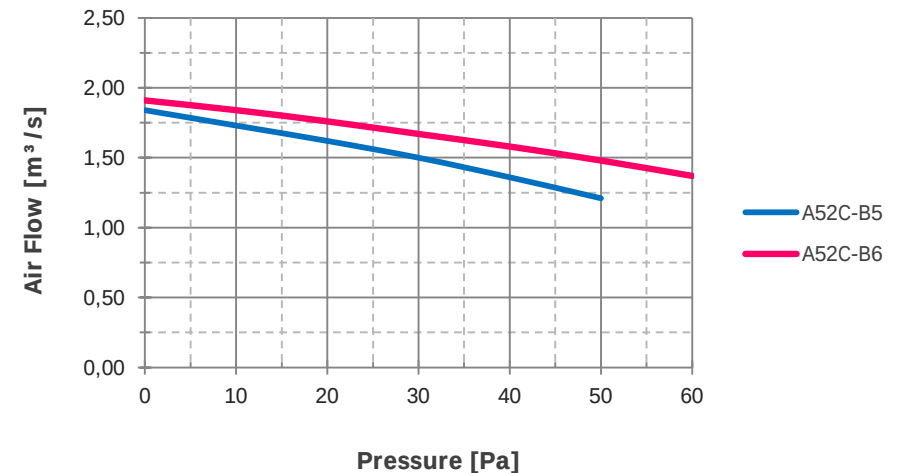
Air flow and sound pressure level (SPL) are given for free blowing operation with inlet&outlet guard grids. SPL values at 1m are measured from side of the fan. SPL values at 2m are calculated by inverse square law.

Configuration

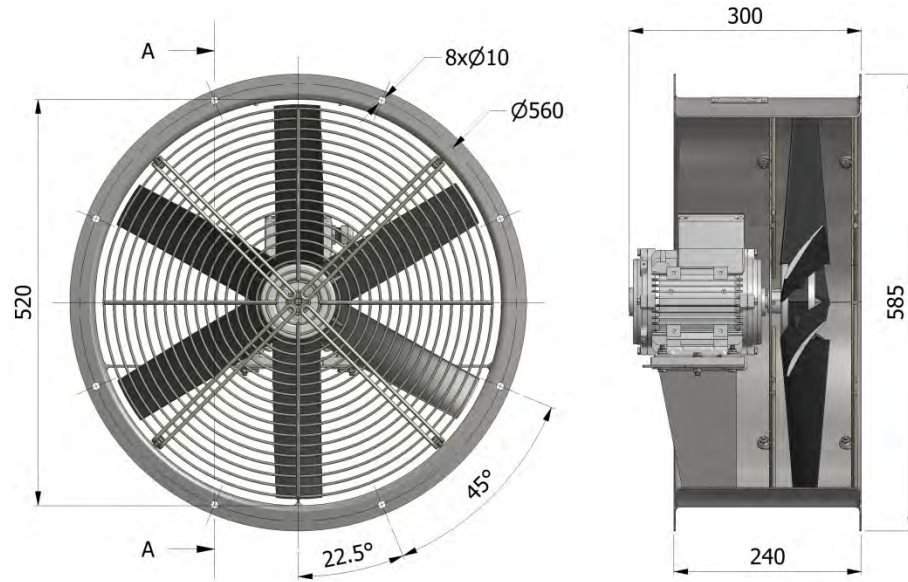
Motor Protection Class	☐ IP55	☐ IP56	☐ IP65	☐ IP66
Wings	☐ GFR Polyamide		☐ Aluminum	
Protection Grids	☐ Rear		☐ Front	
Color (housing,motor,grids)	☐ RAL7031	☐ RAL7032	☐ RAL7033	☐ Other
Operation Ambient (°C)	☐ -25~+60	☐ -25~+70	☐ -40~+60	☐ -40~+70
Corrosion Class	☐ C3	☐ C4	☐ C5	Medium/High
Thermal Protection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

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

Performance



Fan Dimensions



Configuration

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

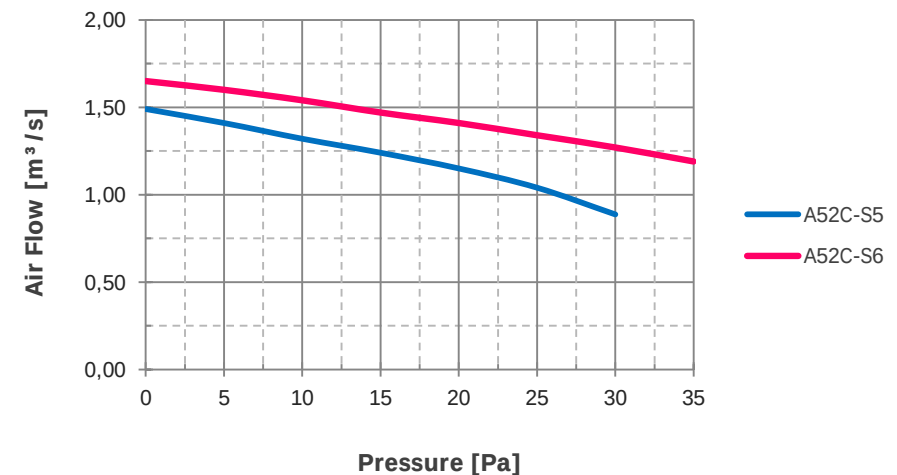
Thermal protection requires an external control unit or relay to operate.

Specification

Number of Poles	8	
Type	A52C-S5	A52C-S6
Frequency (±2%)	50 Hz	60 Hz
Voltage (3ph. ±5%)	230V Δ / 400V Y	278V Δ / 480V Y
Full Load Current	1,4 A / 0,8 A	1,4 A / 0,8 A
Input Power (max.)	230 W	290 W
Speed	720 rpm	864 rpm
Sound Pressure (L _{PA} 1m/2m)	60 dB(A) / 55 dB(A)	63 dB(A) / 58 dB(A)
Air Flow	1,35 m ³ /s	1,53 m ³ /s
Weight (varies by options)	22 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.

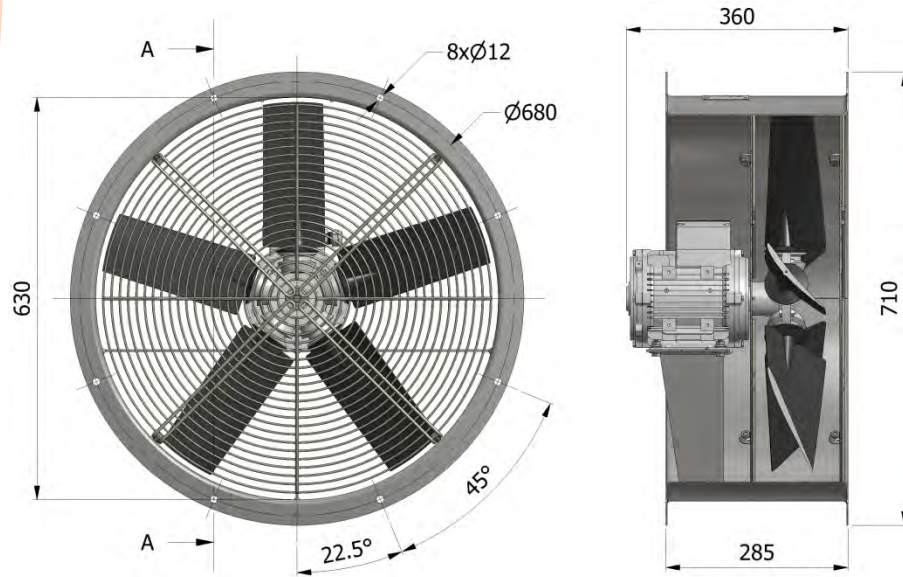
Performance



A63C-F

FLOW OPTIMIZED AXIAL FAN

Fan Dimensions



Specification

Number of Poles	4	
Type	A63C-F5	A63C-F6
Frequency (±2%)	50 Hz	60 Hz
Voltage (3ph. ±5%)	230V Δ / 400V Y	278V Δ / 480V Y
Full Load Current	3,3 A / 1,9 A	3,3 A / 1,9 A
Input Power (max.)	870 W	980 W
Speed	1440 rpm	1728 rpm
Sound Pressure (L _{PA} 1m/2m)	78 dB(A) / 73 dB(A)	83 dB(A) / 78 dB(A)
Air Flow	3,65 m ³ /s	3,61 m ³ /s
Weight (varies by options)	31 kg	

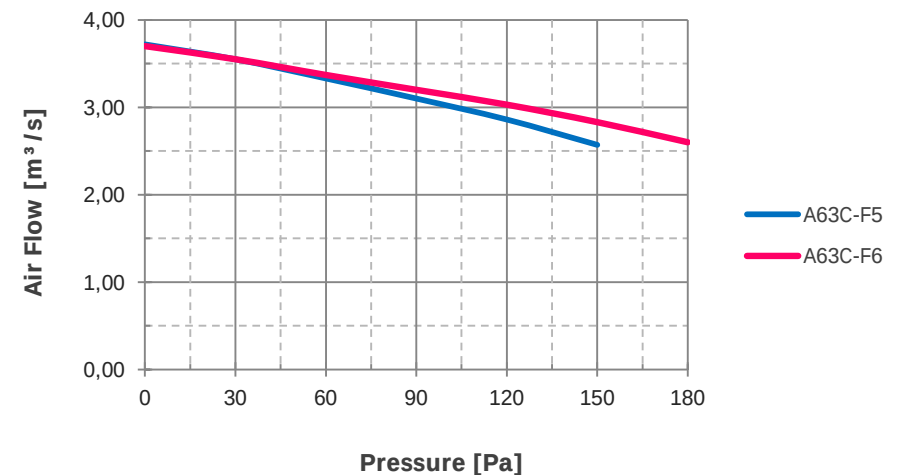
Air flow and sound pressure level (SPL) are given for free blowing operation with inlet&outlet guard grids. SPL values at 1m are measured from side of the fan. SPL values at 2m are calculated by inverse square law.

Configuration

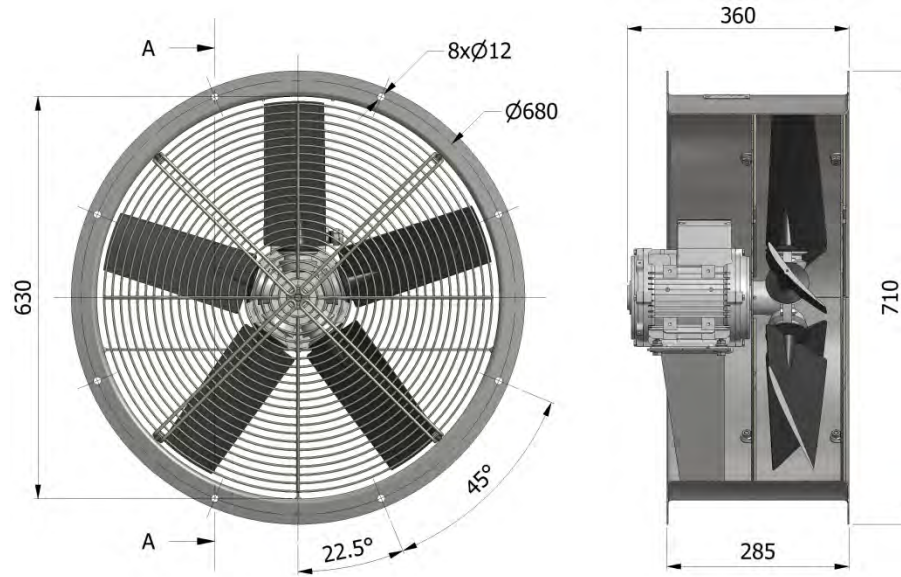
Motor Protection Class	☐ IP55	☐ IP56	☐ IP65	☐ IP66
Wings	☐ GFR Polyamide	☐ Aluminum		
Protection Grids	☐ Rear	☐ Front		
Color (housing, motor, grids)	☐ RAL7031	☐ RAL7032	☐ RAL7033	☐ Other
Operation Ambient (°C)	☐ -25~+60	☐ -25~+70	☐ -40~+60	☐ -40~+70
Corrosion Class	☐ C3	☐ C4	☐ C5	Medium/High
Thermal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

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

Performance



Fan Dimensions



Configuration

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

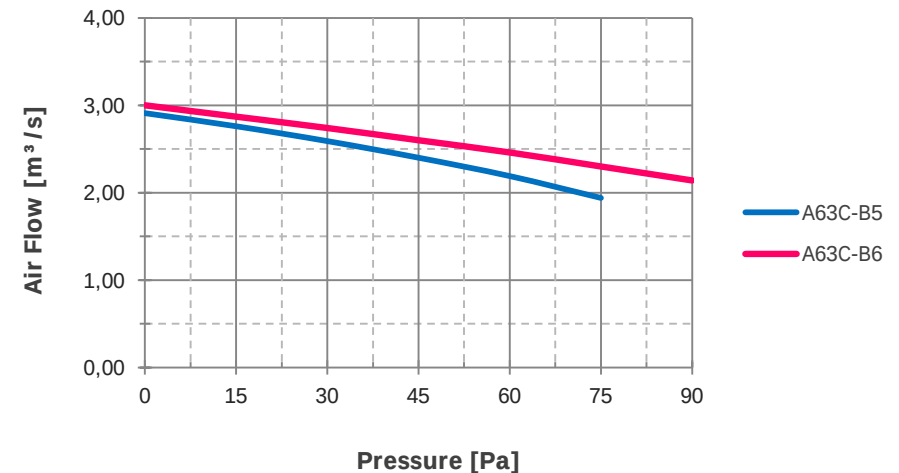
Thermal protection requires an external control unit or relay to operate.

Specification

Number of Poles	6	
Type	A63C-B5	A63C-B6
Frequency (±2%)	50 Hz	60 Hz
Voltage (3ph. ±5%)	230V Δ / 400V Y	278V Δ / 480V Y
Full Load Current	1,9 A / 1,1 A	1,9 A / 1,1 A
Input Power (max.)	450 W	500 W
Speed	960 rpm	1152 rpm
Sound Pressure (L_{PA} 1m/2m)	67 dB(A) / 62 dB(A)	72 dB(A) / 67 dB(A)
Air Flow	2,81 m ³ /s	2,90 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.

Performance

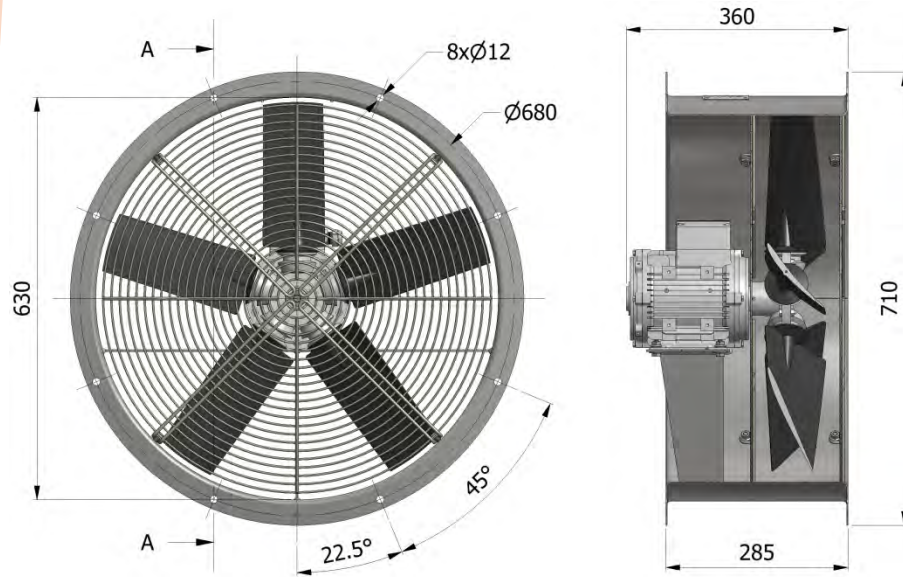


A63C-S

LOW NOISE AXIAL FAN



Fan Dimensions



Specification

Number of Poles	8	
Type	A63C-S5	A63C-S6
Frequency (±2%)	50 Hz	60 Hz
Voltage (3ph. ±5%)	230V Δ / 400V Y	278V Δ / 480V Y
Full Load Current	1,7 A / 1,0 A	1,7 A / 1,0 A
Input Power (max.)	300 W	400 W
Speed	720 rpm	864 rpm
Sound Pressure (L _{PA} 1m/2m)	61 dB(A) / 56 dB(A)	65 dB(A) / 60 dB(A)
Air Flow	2,35 m³/s	2,52 m³/s
Weight (varies by options)	30 kg	

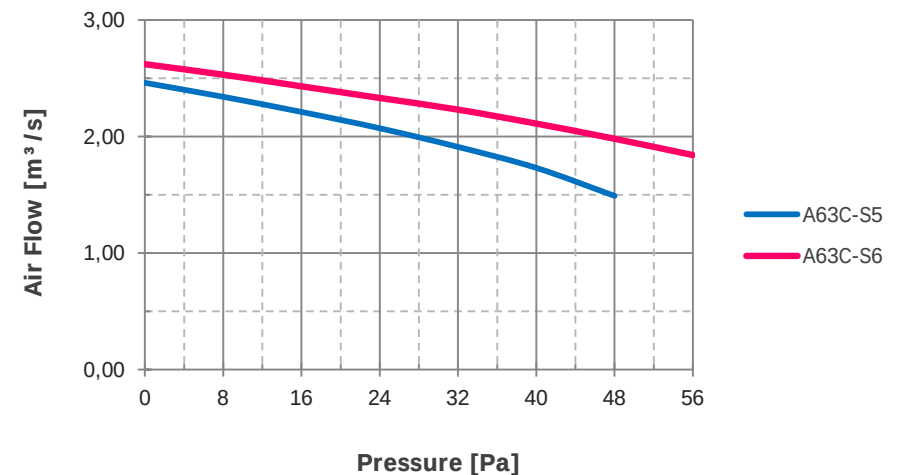
Air flow and sound pressure level (SPL) are given for free blowing operation with inlet&outlet guard grids. SPL values at 1m are measured from side of the fan. SPL values at 2m are calculated by inverse square law.

Configuration

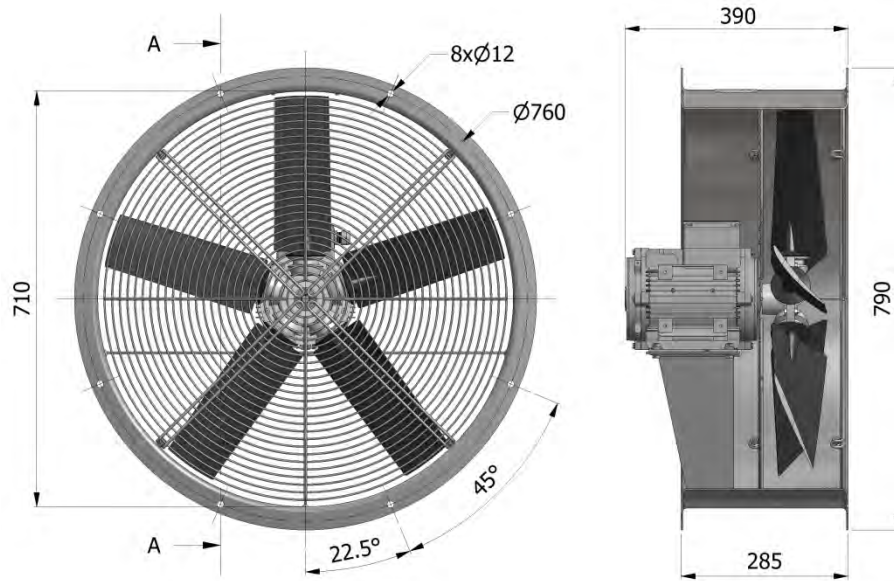
Motor Protection Class	☐ IP55	☐ IP56	☐ IP65	☐ IP66
Wings	☐ GFR Polyamide		☐ Aluminum	
Protection Grids	☐ Rear		☐ Front	
Color (housing, motor, grids)	☐ RAL7031	☐ RAL7032	☐ RAL7033	☐ Other
Operation Ambient (°C)	☐ -25~+60	☐ -25~+70	☐ -40~+60	☐ -40~+70
Corrosion Class	☐ C3	☐ C4	☐ C5	Medium/High
Thermal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

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

Performance



Fan Dimensions



Configuration

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

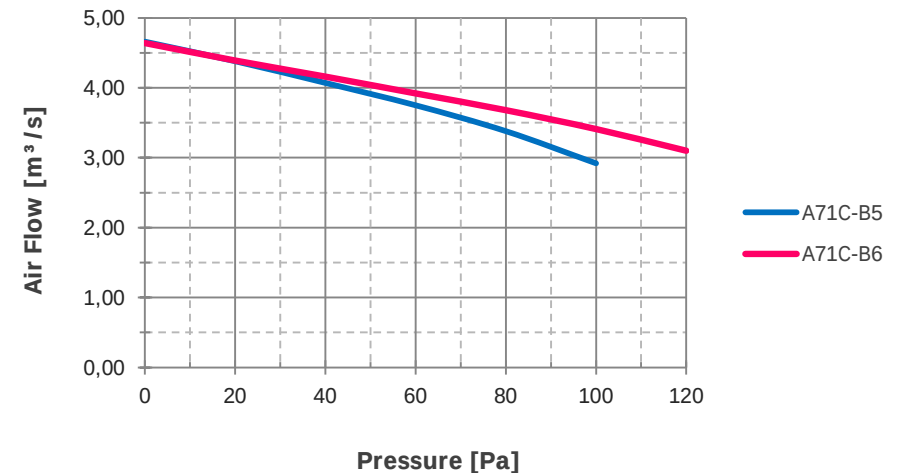
Thermal protection requires an external control unit or relay to operate.

Specification

Number of Poles	6	
Type	A71C-B5	A71C-B6
Frequency (±2%)	50 Hz	60 Hz
Voltage (3ph. ±5%)	230V Δ / 400V Y	278V Δ / 480V Y
Full Load Current	3,7 A / 2,1 A	3,7 A / 2,1 A
Input Power (max.)	830 W	920 W
Speed	960 rpm	1152 rpm
Sound Pressure (L _{PA} 1m/2m)	75 dB(A) / 70 dB(A)	78 dB(A) / 73 dB(A)
Air Flow	4,48 m ³ /s	4,37 m ³ /s
Weight (varies by options)	41 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.

Performance

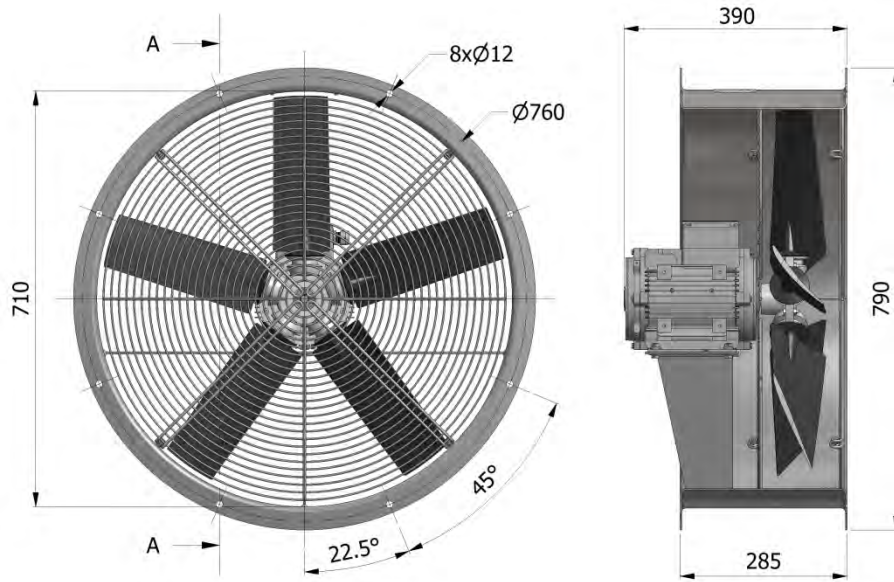


A71C-S

LOW NOISE AXIAL FAN



Fan Dimensions



Specification

Number of Poles	8	
Type	A71C-S5	A71C-S6
Frequency (±2%)	50 Hz	60 Hz
Voltage (3ph. ±5%)	230V Δ / 400V Y	278V Δ / 480V Y
Full Load Current	2,1 A / 1,2 A	2,3 A / 1,3 A
Input Power (max.)	460 W	610 W
Speed	720 rpm	864 rpm
Sound Pressure (L _{PA} 1m/2m)	66 dB(A) / 61 dB(A)	71 dB(A) / 66 dB(A)
Air Flow	3,28 m ³ /s	3,51 m ³ /s
Weight (varies by options)	41 kg	

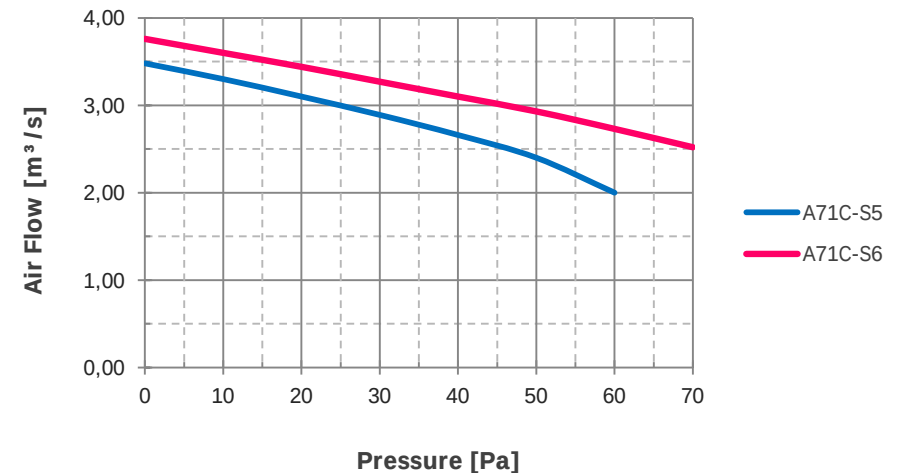
Air flow and sound pressure level (SPL) are given for free blowing operation with inlet&outlet guard grids.
SPL values at 1m are measured from side of the fan. SPL values at 2m are calculated by inverse square law.

Configuration

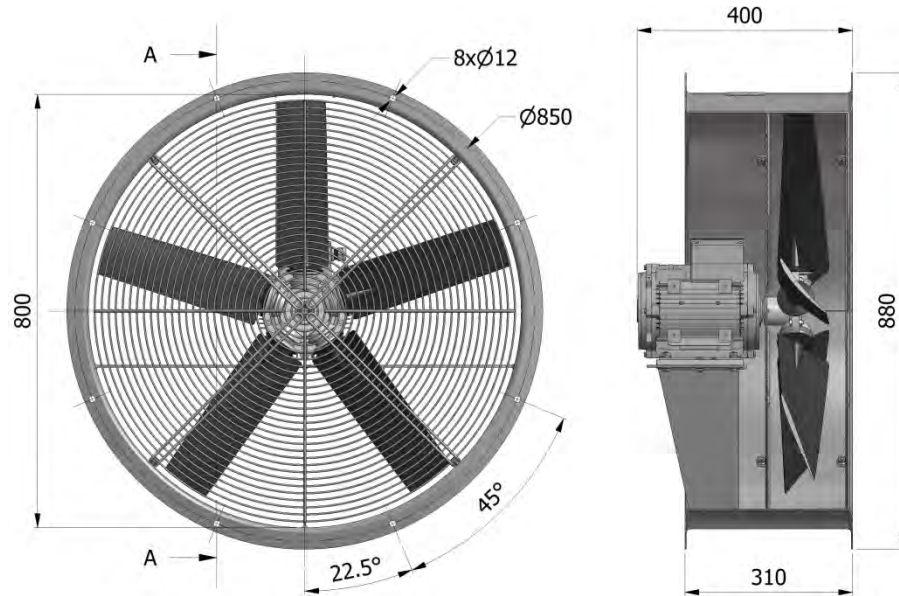
Motor Protection Class	☐ IP55	☐ IP56	☐ IP65	☐ IP66
Wings	☐ GFR Polyamide		☐ Aluminum	
Protection Grids	☐ Rear		☐ Front	
Color (housing,motor,grids)	☐ RAL7031	☐ RAL7032	☐ RAL7033	☐ Other
Operation Ambient (°C)	☐ -25~+60	☐ -25~+70	☐ -40~+60	☐ -40~+70
Corrosion Class	☐ C3	☐ C4	☐ C5	Medium/High
Thermal Protection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

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

Performance



Fan Dimensions



Configuration

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

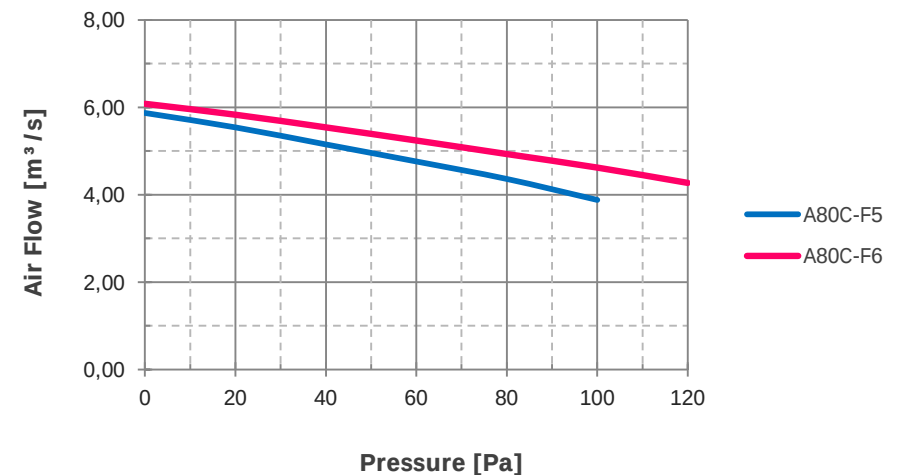
Thermal protection requires an external control unit or relay to operate.

Specification

Number of Poles	6	
Type	A80C-F5	A80C-F6
Frequency ($\pm 2\%$)	50 Hz	60 Hz
Voltage (3ph. $\pm 5\%$)	230V Δ / 400V Y	278V Δ / 480V Y
Full Load Current	5,0 A / 2,9 A	5,2 A / 3,0 A
Input Power (max.)	900 W	1100 W
Speed	960 rpm	1152 rpm
Sound Pressure (L_{PA} 1m/2m)	76 dB(A) / 71 dB(A)	81 dB(A) / 76 dB(A)
Air Flow	5,52 m ³ /s	5,69 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.

Performance

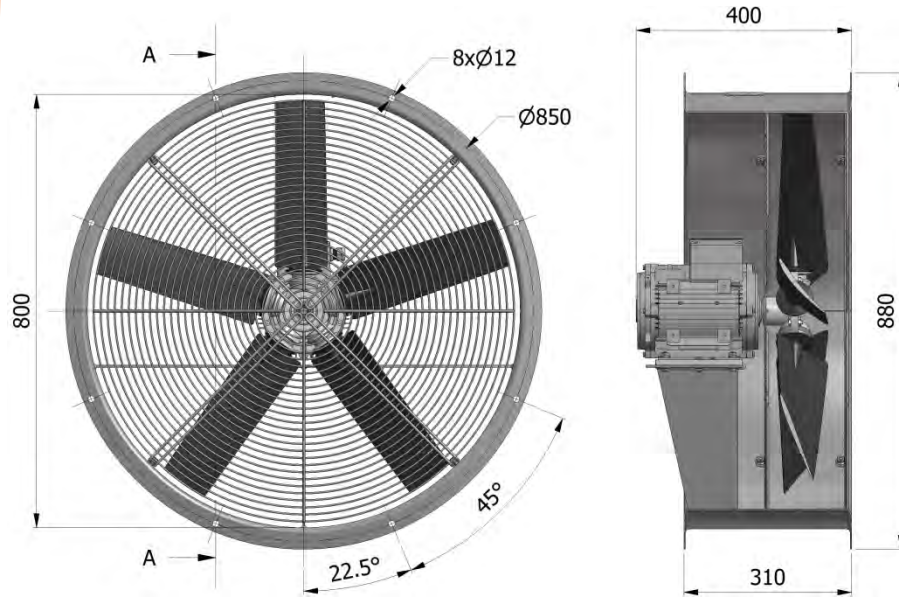


A80C-B

BALANCED PERFORMANCE AXIAL FAN



Fan Dimensions



Specification

Number of Poles	8	
Type	A80C-B5	A80C-B6
Frequency ($\pm 2\%$)	50 Hz	60 Hz
Voltage (3ph. $\pm 5\%$)	230V Δ / 400V Y	278V Δ / 480V Y
Full Load Current	3,0 A / 1,7 A	3,1 A / 1,8 A
Input Power (max.)	600 W	800 W
Speed	720 rpm	864 rpm
Sound Pressure (L_{PA} 1m/2m)	67 dB(A) / 62 dB(A)	72 dB(A) / 67 dB(A)
Air Flow	4,35 m ³ /s	4,65 m ³ /s
Weight (varies by options)	50 kg	

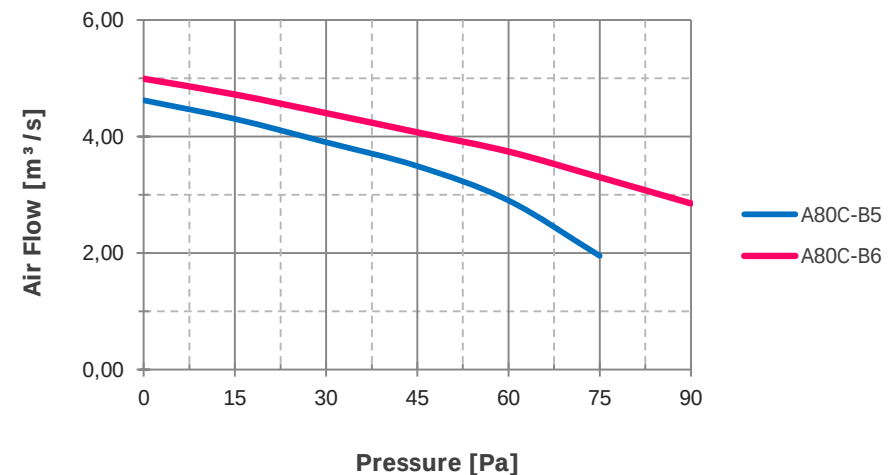
Air flow and sound pressure level (SPL) are given for free blowing operation with inlet&outlet guard grids.
SPL values at 1m are measured from side of the fan. SPL values at 2m are calculated by inverse square law.

Configuration

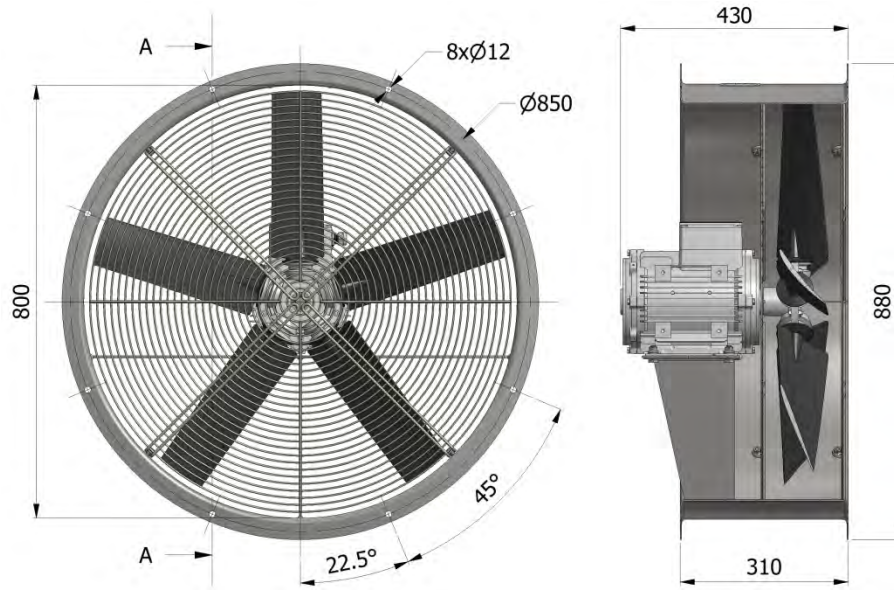
Motor Protection Class	☐ IP55	☐ IP56	☐ IP65	☐ IP66
Wings	☐ GFR Polyamide		☐ Aluminum	
Protection Grids	☐ Rear		☐ Front	
Color (housing,motor,grids)	☐ RAL7031	☐ RAL7032	☐ RAL7033	☐ Other
Operation Ambient (°C)	☐ -25~+60	☐ -25~+70	☐ -40~+60	☐ -40~+70
Corrosion Class	☐ C3	☐ C4	☐ C5	Medium/High
Thermal Protection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

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

Performance



Fan Dimensions



Configuration

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

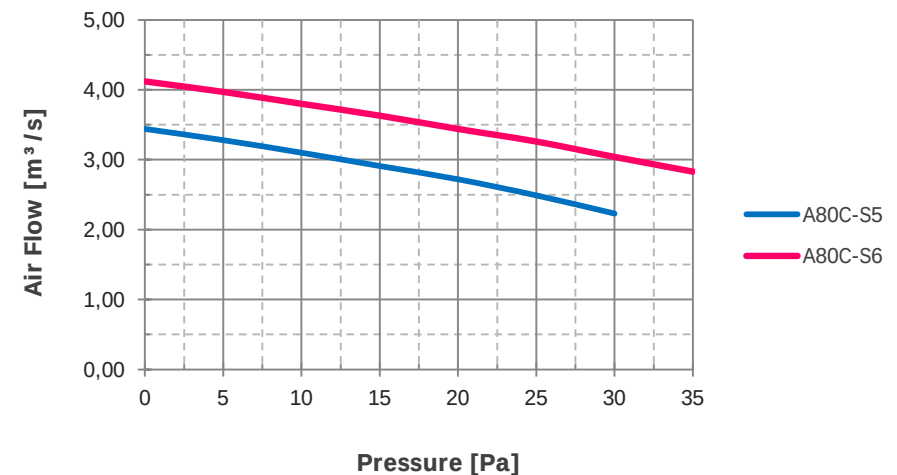
Thermal protection requires an external control unit or relay to operate.

Specification

Number of Poles	12	
Type	A80C-S5	A80C-S6
Frequency (±2%)	50 Hz	60 Hz
Voltage (3ph. ±5%)	230V Δ / 400V Y	278V Δ / 480V Y
Full Load Current	3,1 A / 1,8 A	3,3 A / 1,9 A
Input Power (max.)	370 W	560 W
Speed	480 rpm	576 rpm
Sound Pressure (L _{PA} 1m/2m)	58 dB(A) / 53 dB(A)	61 dB(A) / 56 dB(A)
Air Flow	3,28 m ³ /s	3,84 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.

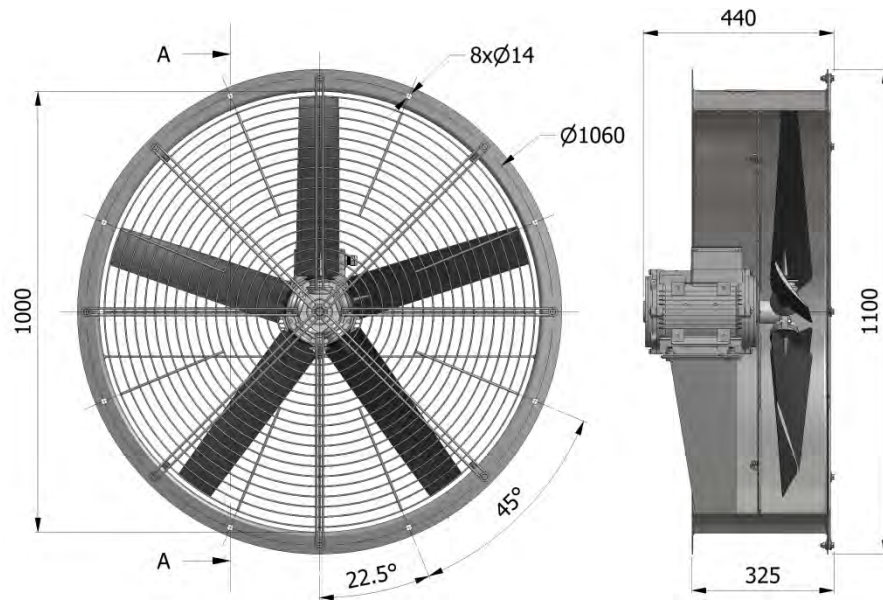
Performance



A100C-F

FLOW OPTIMIZED AXIAL FAN

Fan Dimensions



Specification

Number of Poles	6	
Type	A100C-F5	A100C-F6
Frequency ($\pm 2\%$)	50 Hz	60 Hz
Voltage (3ph. $\pm 5\%$)	230V Δ / 400V Y	278V Δ / 480V Y
Full Load Current	6,6 A / 3,8 A	6,6 A / 3,8 A
Input Power (max.)	1500 W	1750 W
Speed	960 rpm	1152 rpm
Sound Pressure (L_{pA} 1m/2m)	79 dB(A) / 74 dB(A)	87 dB(A) / 82 dB(A)
Air Flow	8,64 m ³ /s	8,42 m ³ /s
Weight (varies by options)	63 kg	

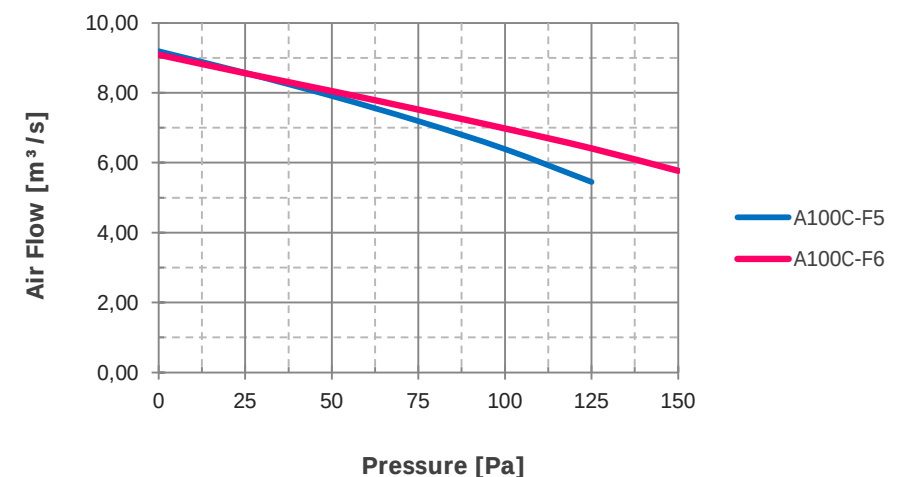
Air flow and sound pressure level (SPL) are given for free blowing operation with inlet&outlet guard grids. SPL values at 1m are measured from side of the fan. SPL values at 2m are calculated by inverse square law.

Configuration

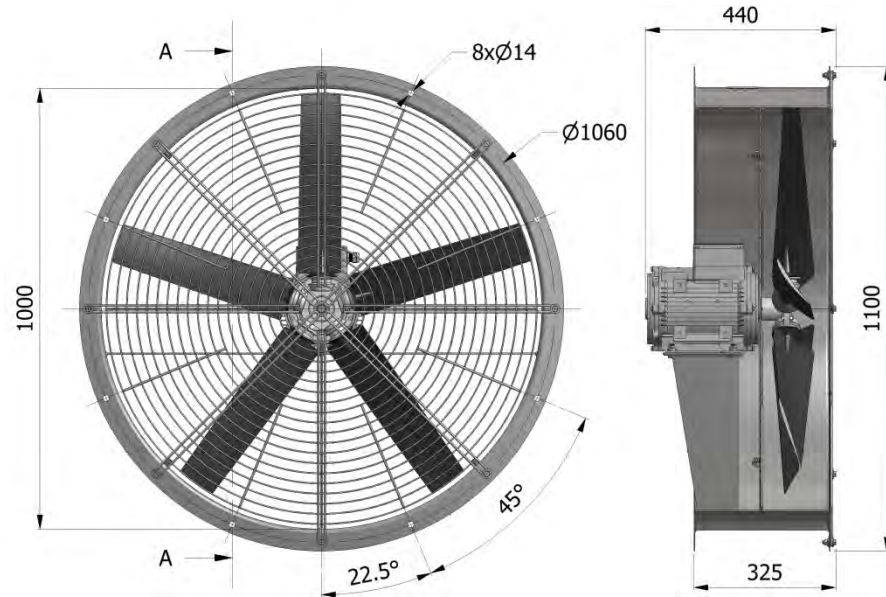
Motor Protection Class	☐ IP55	☐ IP56	☐ IP65	☐ IP66
Wings	☐ GFR Polyamide		☐ Aluminum	
Protection Grids	☐ Rear		☐ Front	
Color (housing,motor,grids)	☐ RAL7031	☐ RAL7032	☐ RAL7033	☐ Other
Operation Ambient (°C)	☐ -25~+60	☐ -25~+70	☐ -40~+60	☐ -40~+70
Corrosion Class	☐ C3	☐ C4	☐ C5	Medium/High
Thermal Protection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

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

Performance



Fan Dimensions



Configuration

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

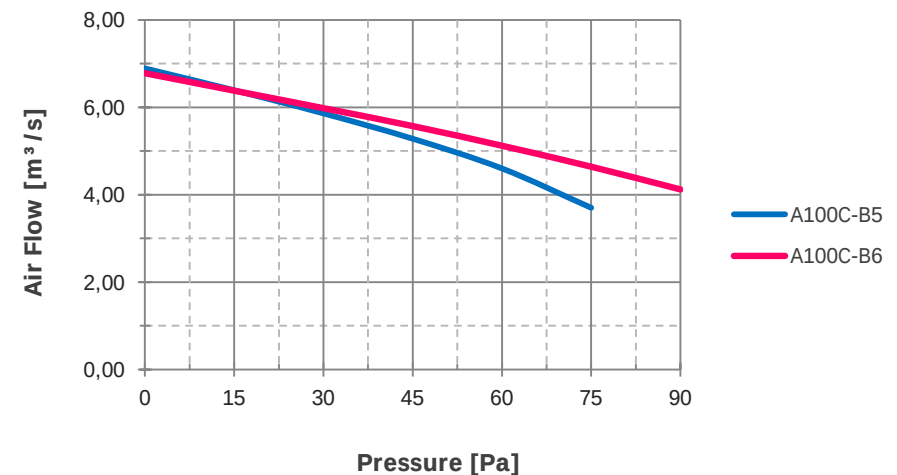
Thermal protection requires an external control unit or relay to operate.

Specification

Number of Poles	8	
Type	A100C-B5	A100C-B6
Frequency (±2%)	50 Hz	60 Hz
Voltage (3ph. ±5%)	230V Δ / 400V Y	278V Δ / 480V Y
Full Load Current	3,8 A / 2,2 A	3,8 A / 2,2 A
Input Power (max.)	750 W	850 W
Speed	720 rpm	864 rpm
Sound Pressure (L _{PA} 1m/2m)	72 dB(A) / 67 dB(A)	76 dB(A) / 71 dB(A)
Air Flow	6,41 m ³ /s	6,24 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.

Performance

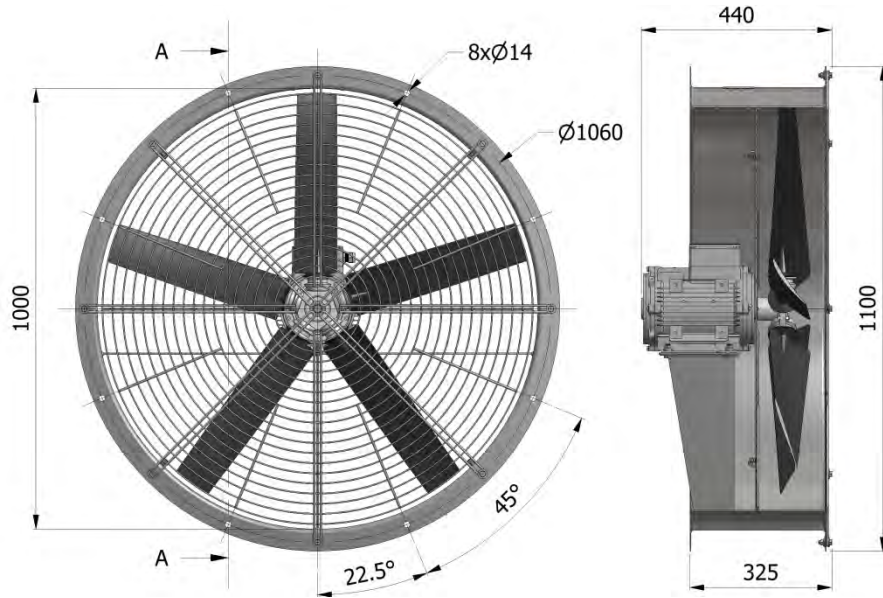


A100C-S

LOW NOISE AXIAL FAN



Fan Dimensions



Specification

Number of Poles	12	
Type	A100C-S5	A100C-S6
Frequency (±2%)	50 Hz	60 Hz
Voltage (3ph. ±5%)	230V Δ / 400V Y	278V Δ / 480V Y
Full Load Current	3,3 A / 1,9 A	3,3 A / 1,9 A
Input Power (max.)	550 W	620 W
Speed	480 rpm	576 rpm
Sound Pressure (L _{PA} 1m/2m)	63 dB(A) / 58 dB(A)	66 dB(A) / 61 dB(A)
Air Flow	5,18 m ³ /s	5,08 m ³ /s
Weight (varies by options)	62 kg	

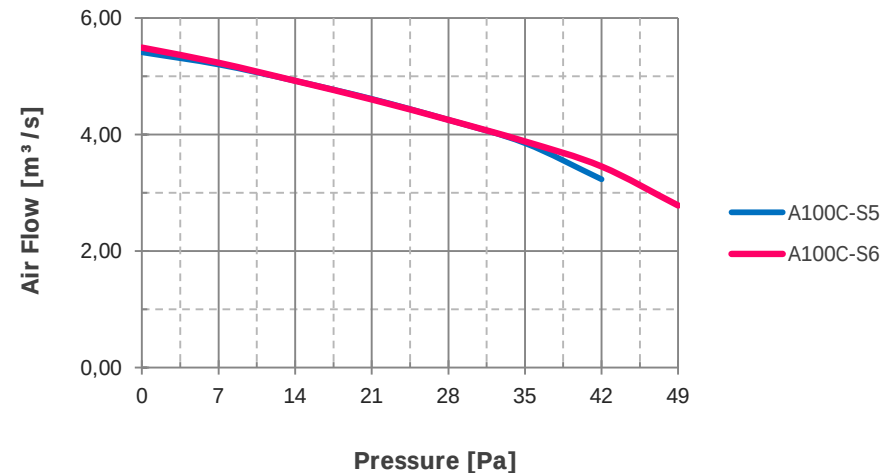
Air flow and sound pressure level (SPL) are given for free blowing operation with inlet&outlet guard grids. SPL values at 1m are measured from side of the fan. SPL values at 2m are calculated by inverse square law.

Configuration

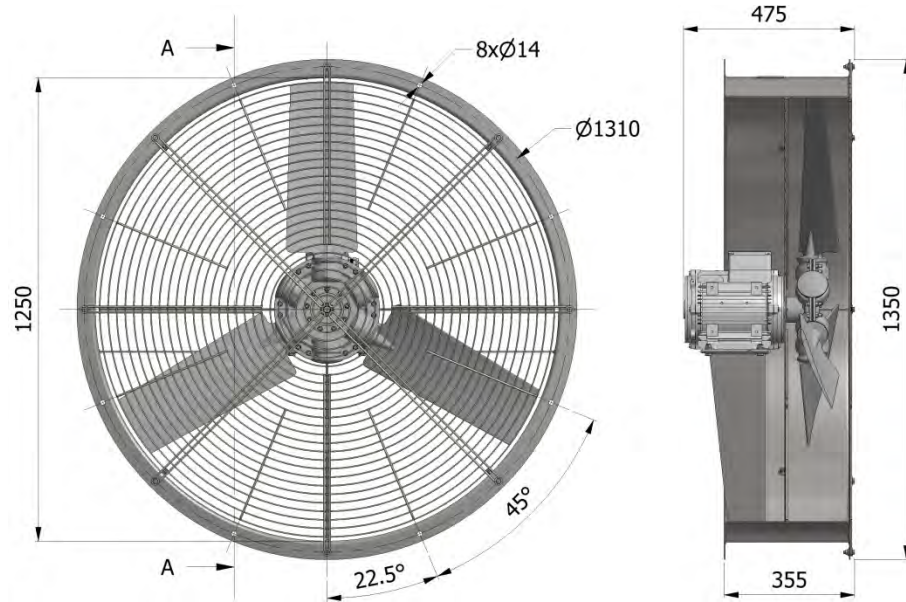
Motor Protection Class	☐ IP55	☐ IP56	☐ IP65	☐ IP66
Wings	☐ GFR Polyamide		☐ Aluminum	
Protection Grids	☐ Rear		☐ Front	
Color (housing,motor,grids)	☐ RAL7031	☐ RAL7032	☐ RAL7033	☐ Other
Operation Ambient (°C)	☐ -25~+60	☐ -25~+70	☐ -40~+60	☐ -40~+70
Corrosion Class	☐ C3	☐ C4	☐ C5	Medium/High
Thermal Protection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

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

Performance



Fan Dimensions



Configuration

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

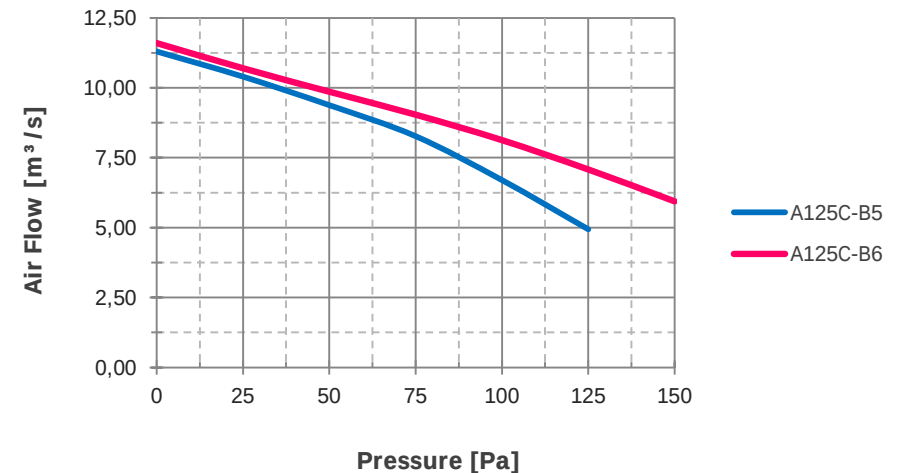
Thermal protection requires an external control unit or relay to operate.

Specification

Number of Poles	8	
Type	A125C-B5	A125C-B6
Frequency (±2%)	50 Hz	60 Hz
Voltage (3ph. ±5%)	230V Δ / 400V Y	278V Δ / 480V Y
Full Load Current	7,7 A / 4,4 A	7,8 A / 4,5 A
Input Power (max.)	1600 W	1800 W
Speed	720 rpm	864 rpm
Sound Pressure (L _{PA} 1m/2m)	75 dB(A) / 70 dB(A)	78 dB(A) / 73 dB(A)
Air Flow	11,38 m ³ /s	11,59 m ³ /s
Weight (varies by options)	88 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.

Performance

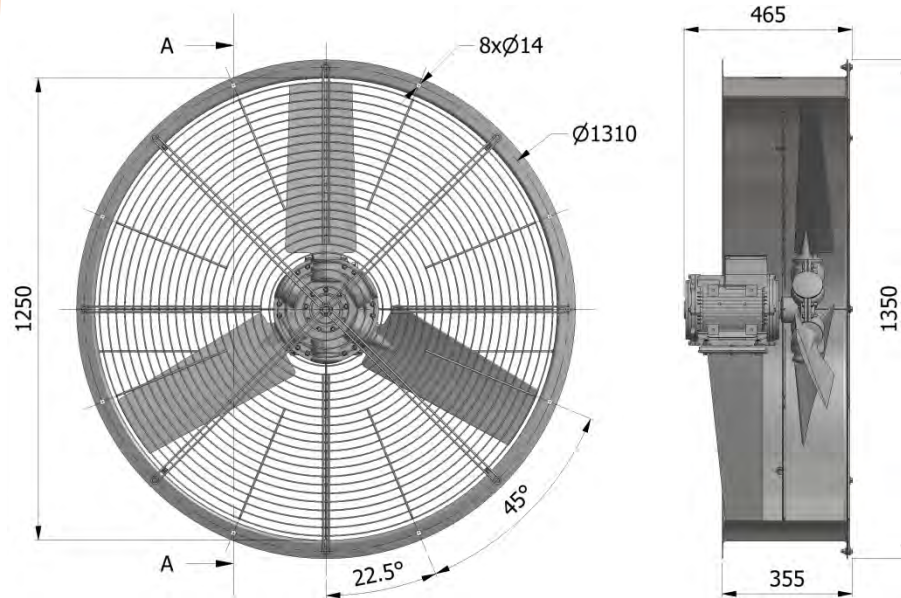


A125C-S

LOW NOISE AXIAL FAN



Fan Dimensions



Specification

Number of Poles	12	
Type	A125C-S5	A125C-S6
Frequency (±2%)	50 Hz	60 Hz
Voltage (3ph. ±5%)	230V Δ / 400V Y	278V Δ / 480V Y
Full Load Current	3,5 A / 2,0 A	3,5 A / 2,0 A
Input Power (max.)	600 W	700 W
Speed	480 rpm	576 rpm
Sound Pressure (L _{PA} 1m/2m)	64 dB(A) / 59 dB(A)	68 dB(A) / 63 dB(A)
Air Flow	6,87 m ³ /s	6,82 m ³ /s
Weight (varies by options)	85 kg	

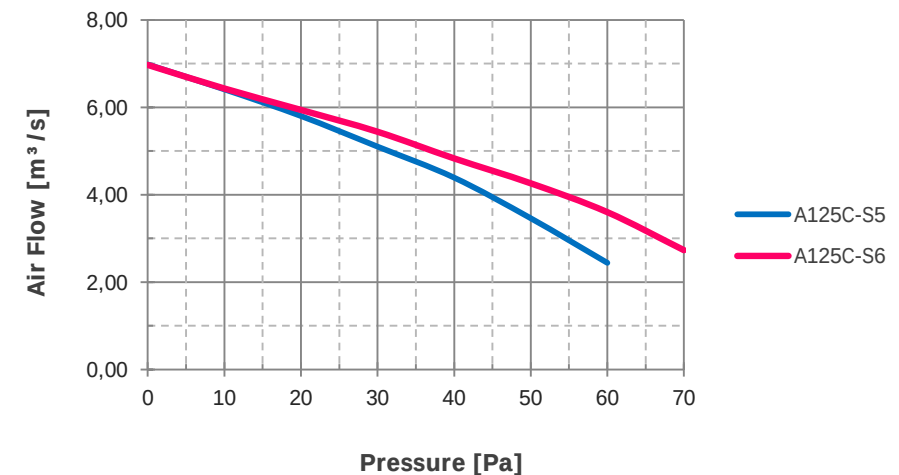
Air flow and sound pressure level (SPL) are given for free blowing operation with inlet&outlet guard grids. SPL values at 1m are measured from side of the fan. SPL values at 2m are calculated by inverse square law.

Configuration

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

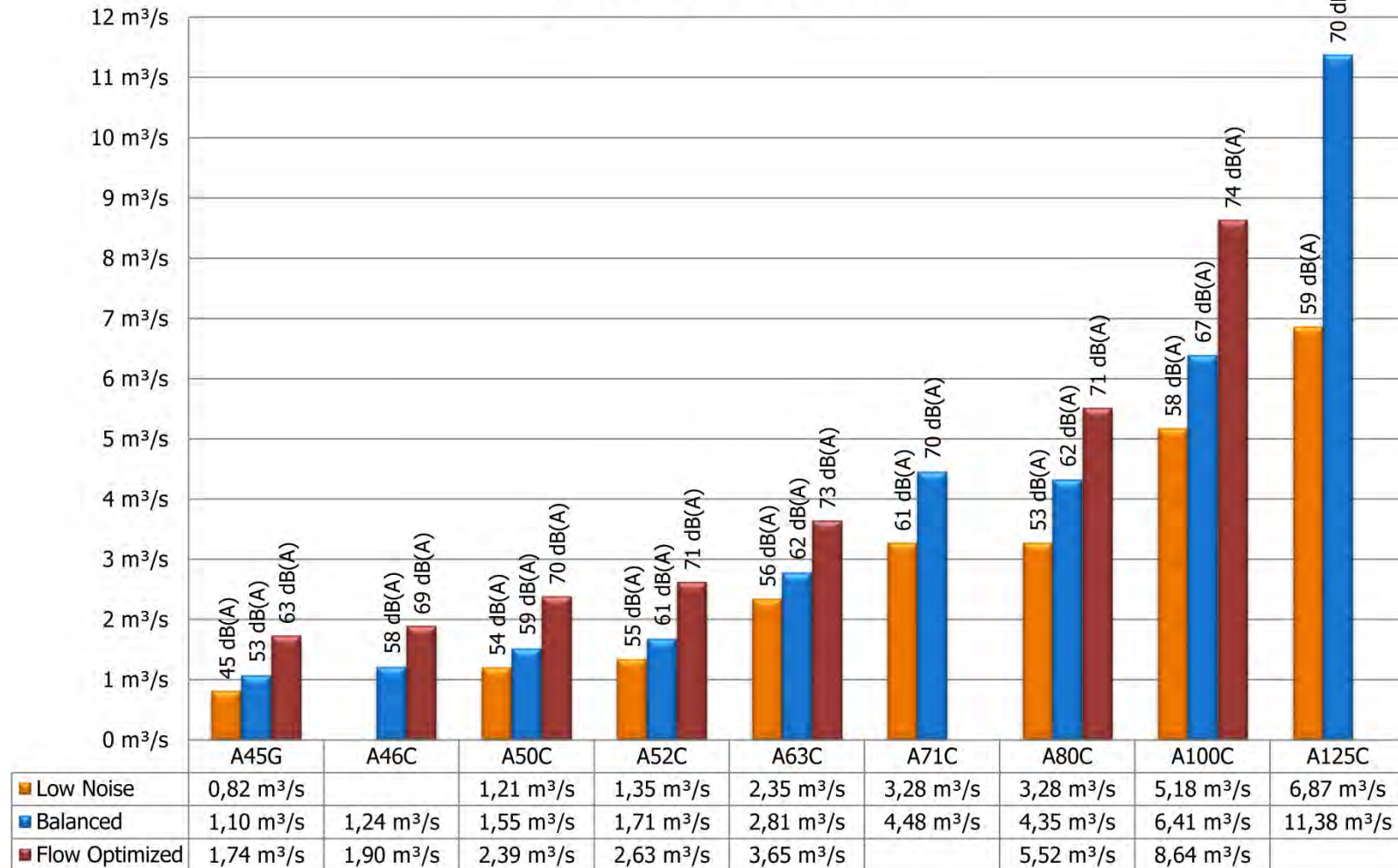
Thermal protection requires an external control unit or relay to operate.

Performance



Operation Chart

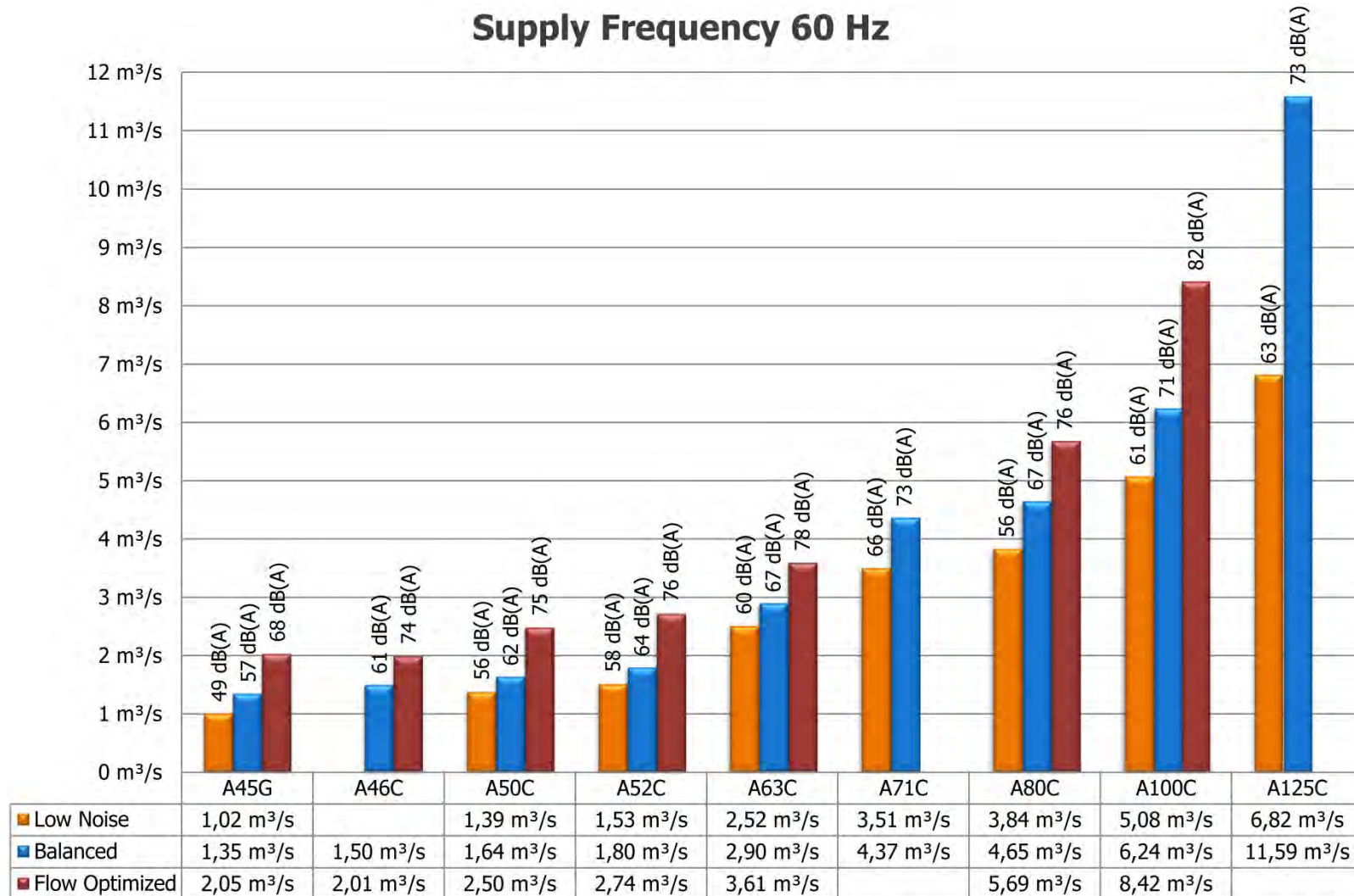
Supply Frequency 50 Hz



Noise values are given as sound pressure level at 2m distance to the side of the fan.

Operation Chart

Supply Frequency 60 Hz



Noise values are given as sound pressure level at 2m distance to the side of the fan.

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 information and your custom solution will be submitted to you rapidly.

Wing Span (mm)	☐ 460 ☐ 500 ☐ 520 ☐ 630 ☐ 710 ☐ 800 ☐ 1000 ☐ 1250
Supply Frequency	☐ 50 Hz ☐ 60 Hz
Supply Voltage (3 phase)	
Supply Current	
Sound Level	
Air Flow	
Motor Protection Class	☐ IP55 ☐ IP56 ☐ IP65 ☐ IP66
Operating Temperature	☐ -25...+60°C ☐ -40...+60°C ☐ -25...+70°C ☐ -40...+70°C
Protection Grids	☐ In front of wings ☐ Behind wings
Thermal Protection	☐ No ☐ Yes (requires external relay)
Tropical Environment	☐ No ☐ Yes (condensing)
Corrosion Class	☐ C3 ☐ C4 ☐ C5 ☐ Medium ☐ High
Color (Motor, Casing, Grids)	RAL _____

Notes



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