



NEW



## ACOUSTIC CENTRIFUGAL BOX FANS WITH BACKWARD CURVED IMPELLER

### APPLICATION

Top range double skin acoustic centrifugal box fans suitable to extract or supply air in residential, commercial and industrial buildings such as offices, gyms, shops, restaurants, engine rooms, switchgear rooms, etc., where a particularly silent operation is required.

### CONSTRUCTION

- Structure made of extruded aluminium profiles.
- Double-skin panels manufactured from galvanised sheet steel, providing long lasting and robust construction.
- 15mm thick acoustic lining, made in self-extinguishing technopolymer (grade HF1 according to UL94 standard).
- Panel corners sealed with gasket to optimise air-tightness.
- Side inspection panel for ease of installation, inspection of internal parts and maintenance.
- Inlet with circular section on single-skin panel.
- High-performance backward-curved impeller made of technopolymer, statically and dynamically balanced.
- AC version:  
Asynchronous AC external rotor motors, single-phase or three-phase, speed controllable, IP54, insulation class F, suitable for continuous operation S1. Electrical connection to the motor contained in an IP55 terminal box fixed to the motor support.

- EC version:  
High efficiency single-phase EC brushless motor, equipped with electronics and EMC filters, speed controllable, IP54, suitable for continuous operation S1. Electrical connection contained in the terminal box of the motor.

### FEATURES & BENEFITS

- Installation is made easier thanks to removable and interchangeable panels.
- High quality lining for optimum acoustic performance and ease of cleaning thanks to double-skin panels.
- Accurate panels sealing for absence of leakage.
- Inlet opening can be cut where needed.
- Fans are suitable to operate at a maximum temperature between -15°C and +60°C.
- Tested to the latest standards, meaning accurate, up to date information on electrical safety, performance and noise level that can be relied upon.
- Designed and manufactured in accordance with Machine Directive (MD), Low Voltage Directive (LVD), Electromagnetic Compatibility Directive (EMC) and Regulation 1253/2014 (ErP Directive).

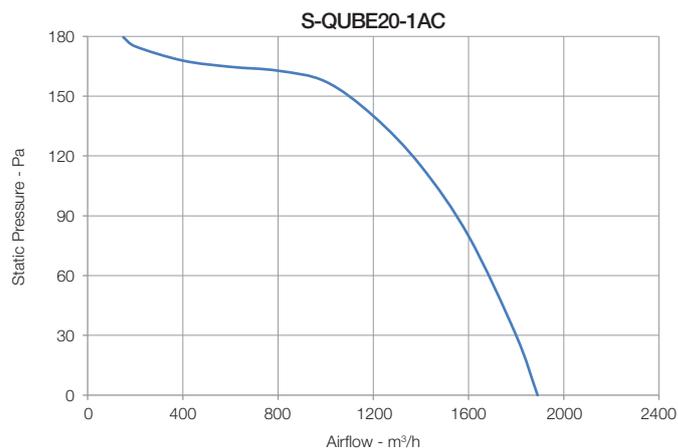
### ACCESSORIES

- Circular spigot panel.
- Rainproof cowl.
- Mounting feet (set of 4).
- Rainproof outlet discharge.
- Service switch.

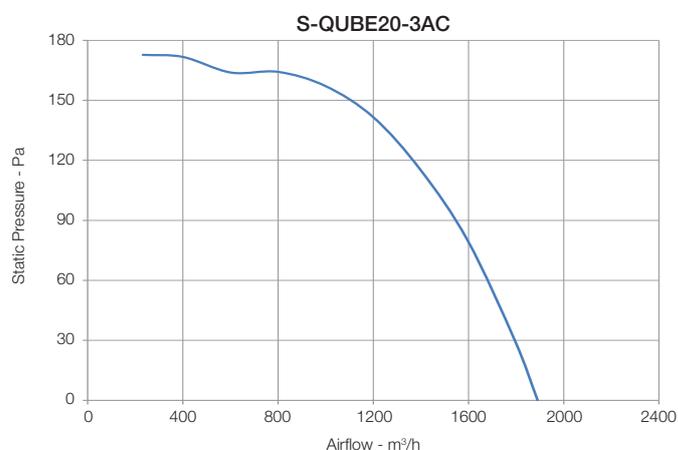
# S-QUBE

## Performances S-QUBE AC

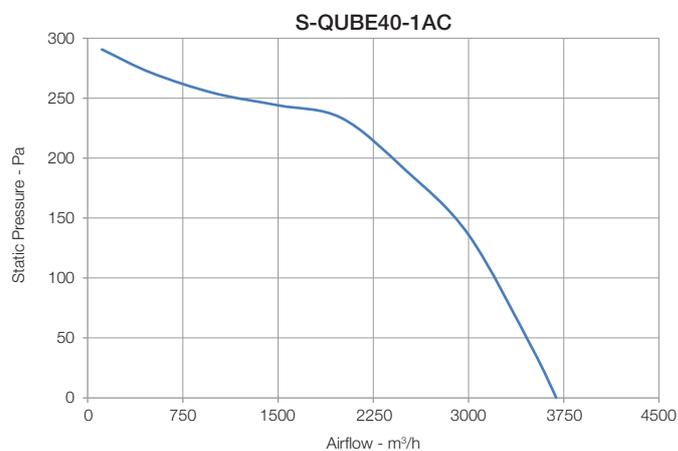
Description	Poles	Mot.	P <sub>el</sub>	I <sub>nom</sub>	I <sub>start</sub>	IP/Cl.
		size	kW	A	A	
S-QUBE20-1AC	4	-	0,13	0,66	2,4	54/F
Description	Code	Eff.	SFP	Q max	Lp	
		%	W/m³/h	m³/h	dB(A) @3m Breakout	
S-QUBE20-1AC	006234	36,5	0,094	1890	38	



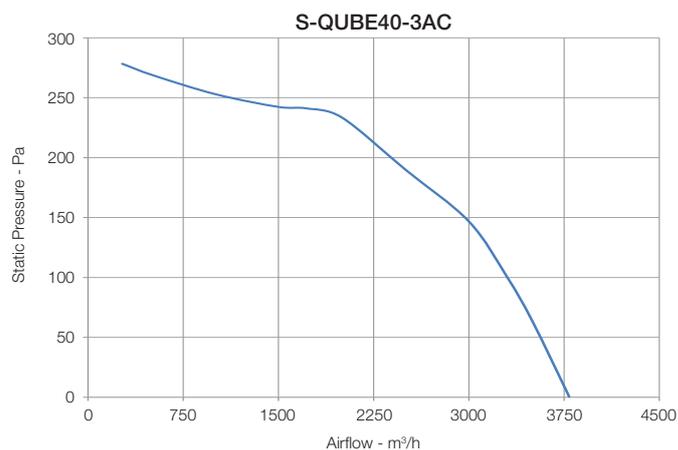
Description	Poles	Mot.	P <sub>el</sub>	I <sub>nom</sub>	I <sub>start</sub>	IP/Cl.
		size	kW	A	A	
S-QUBE20-3AC	4	-	0,13	0,36	1,7	54/F
Description	Code	Eff.	SFP	Q max	Lp	
		%	W/m³/h	m³/h	dB(A) @3m Breakout	
S-QUBE20-3AC	006235	36,5	0,094	1890	37	



Description	Poles	Mot.	P <sub>el</sub>	I <sub>nom</sub>	I <sub>start</sub>	IP/Cl.
		size	kW	A	A	
S-QUBE40-1AC	4	-	0,37	1,85	5,5	54/F
Description	Code	Eff.	SFP	Q max	Lp	
		%	W/m³/h	m³/h	dB(A) @3m Breakout	
S-QUBE40-1AC	006236	44,2	0,131	3690	45	

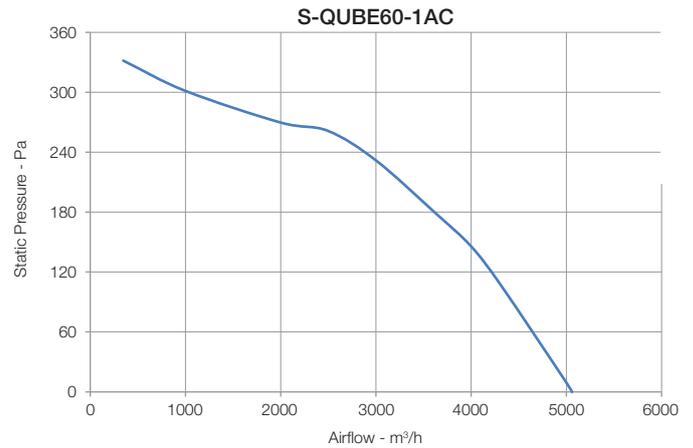


Description	Poles	Mot.	P <sub>el</sub>	I <sub>nom</sub>	I <sub>start</sub>	IP/Cl.
		size	kW	A	A	
S-QUBE40-3AC	4	-	0,33	0,68	2,8	54/F
Description	Code	Eff.	SFP	Q max	Lp	
		%	W/m³/h	m³/h	dB(A) @3m Breakout	
S-QUBE40-3AC	006237	44,2	0,131	3790	43	

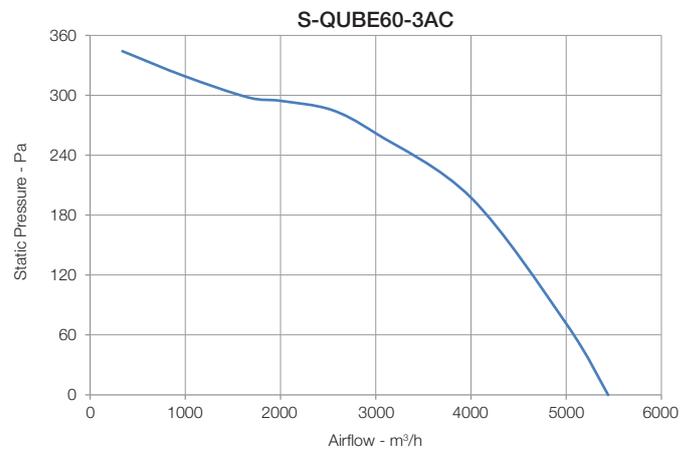


## Performances S-QUBE AC

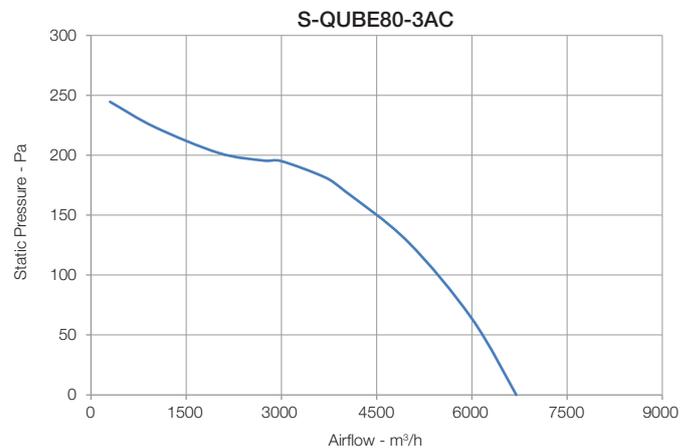
Description	Poles	Mot.	P <sub>el</sub>	I <sub>nom</sub>	I <sub>start</sub>	IP/CI.
		size	kW	A	A	
<b>S-QUBE60-1AC</b>	4	-	0,58	2,6	6,0	54/F
Description	Code	Eff.	SFP	Q max	Lp	
		%	W/m <sup>3</sup> /h	m <sup>3</sup> /h	dB(A) @3m Breakout	
<b>S-QUBE60-1AC</b>	006238	43,2	0,157	5060	46	



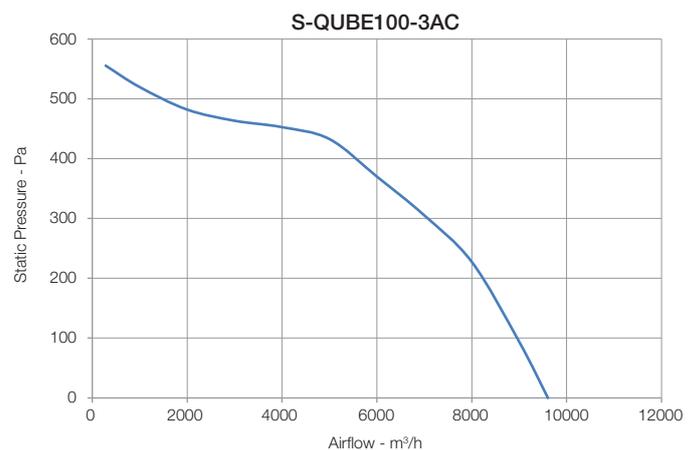
Description	Poles	Mot.	P <sub>el</sub>	I <sub>nom</sub>	I <sub>start</sub>	IP/CI.
		size	kW	A	A	
<b>S-QUBE60-3AC</b>	4	-	0,54	1,2	4,2	54/F
Description	Code	Eff.	SFP	Q max	Lp	
		%	W/m <sup>3</sup> /h	m <sup>3</sup> /h	dB(A) @3m Breakout	
<b>S-QUBE60-3AC</b>	006239	46,6	0,163	5440	46	



Description	Poles	Mot.	P <sub>el</sub>	I <sub>nom</sub>	I <sub>start</sub>	IP/CI.
		size	kW	A	A	
<b>S-QUBE80-3AC</b>	6	-	0,48	0,88	2,8	54/F
Description	Code	Eff.	SFP	Q max	Lp	
		%	W/m <sup>3</sup> /h	m <sup>3</sup> /h	dB(A) @3m Breakout	
<b>S-QUBE80-3AC</b>	006240	44,2	0,116	6700	41	



Description	Poles	Mot.	P <sub>el</sub>	I <sub>nom</sub>	I <sub>start</sub>	IP/CI.
		size	kW	A	A	
<b>S-QUBE100-3AC</b>	4	-	1,45	2,8	9,5	54/F
Description	Code	Eff.	SFP	Q max	Lp	
		%	W/m <sup>3</sup> /h	m <sup>3</sup> /h	dB(A) @3m Breakout	
<b>S-QUBE100-3AC</b>	006241	45,8	0,237	9600	51	

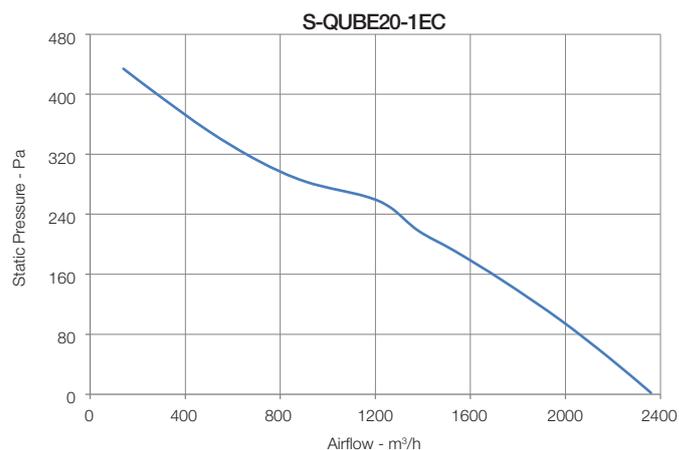


The performance curves shown were obtained by making an inlet hole in line with the pressure port of equivalent surface area. Data in accordance with Regulation 1253/2014 (ErP Directive). Product category NRVU. Measurement category for determining energy efficiency: D. Standard air density 1.2kg/m<sup>3</sup>. The overall A-weighted sound pressure level is at a distance of 3m with spherical free-field propagation. It is expressed in dB re-20µPa and is presented for comparative purposes only.

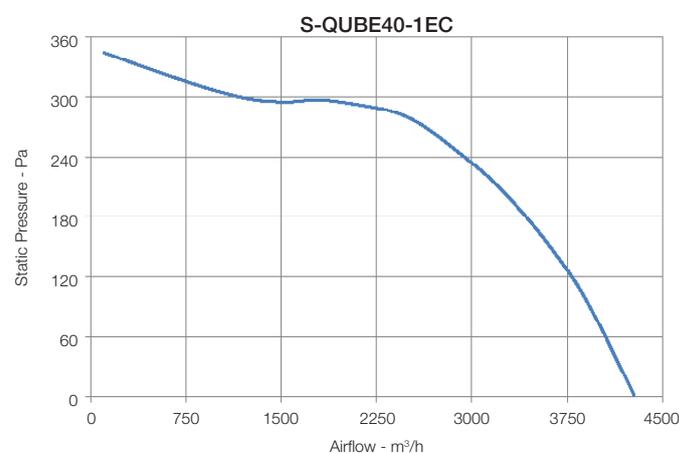
# S-QUBE

## Performances S-QUBE EC

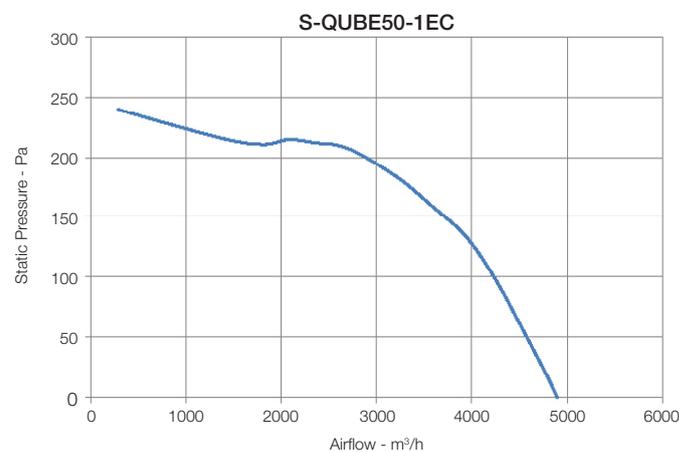
Description	Poles	Mot.	P <sub>el</sub>	I <sub>nom</sub>	I <sub>start</sub>	IP/Cl.
		size	kW	A	A	
S-QUBE20-1EC	-	-	0,17	1,53	-	54/F
Description	Code	Eff.	SFP	Q max	Lp	
		%	W/m³/h	m³/h	dB(A) @3m Breakout	
S-QUBE20-1EC	006325	53,0	0,130	2360	44	



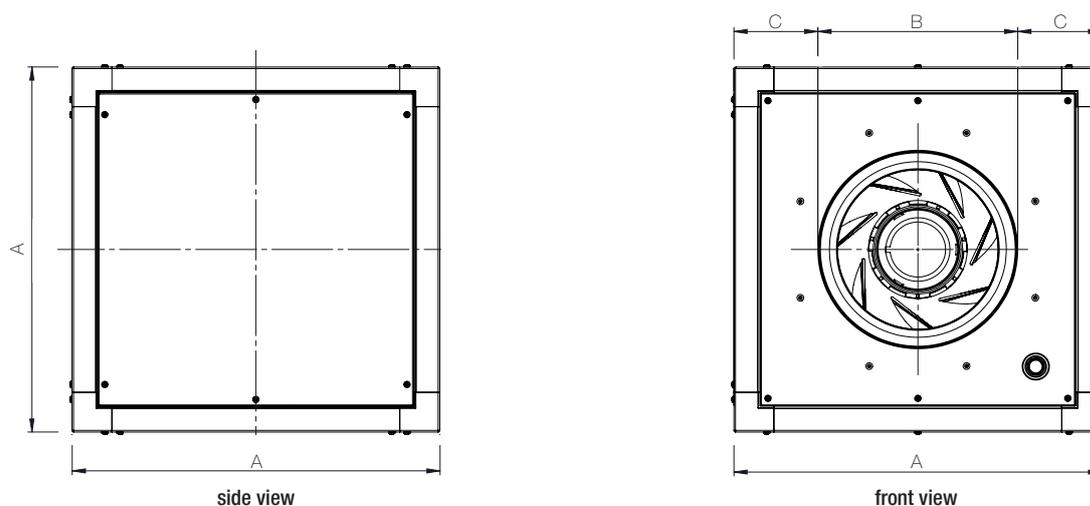
Description	Poles	Mot.	P <sub>el</sub>	I <sub>nom</sub>	I <sub>start</sub>	IP/Cl.
		size	kW	A	A	
S-QUBE40-1EC	-	-	0,40	1,79	-	54/F
Description	Code	Eff.	SFP	Q max	Lp	
		%	W/m³/h	m³/h	dB(A) @3m Breakout	
S-QUBE40-1EC	006326	55,2	0,145	4280	47	



Description	Poles	Mot.	P <sub>el</sub>	I <sub>nom</sub>	I <sub>start</sub>	IP/Cl.
		size	kW	A	A	
S-QUBE50-1EC	-	-	0,33	1,5	-	54/F
Description	Code	Eff.	SFP	Q max	Lp	
		%	W/m³/h	m³/h	dB(A) @3m Breakout	
S-QUBE50-1EC	006327	56,1	0,104	4895	43	



## Dimensions (mm) e Weight (kg)



Description	A	B	C	Weight
S-QUBE 20	460	Ø 250	105	24
S-QUBE 40	580	Ø 318	131	33
S-QUBE 50/60	740	Ø 364	188	56
S-QUBE 80/100	740	Ø 450	145	67

## Accessories

Description	 Circular inlet panel		 Rainproof cowl		 Mounting feet (set of 4)		 Rainproof outlet discharge		 Service switch	
	Description	Code	Description	Code	Description	Code	Description	Code	Description	Code
S-QUBE20-1AC	PNLC-QUBIK-DS15	005767	TP-QUBIK15	002517	KFEET-QUBIK	002523	TRM-QUBIK15	002520	SEZIONATORE 4P	02704
S-QUBE20-3AC										
S-QUBE20-1EC										
S-QUBE40-1AC	PNLC-QUBIK-DS25	005768	TP-QUBIK25/35	002518						
S-QUBE40-3AC										
S-QUBE40-1EC										
S-QUBE50-1EC	PNLC-QUBIK-DS35	005769	TP-QUBIK50	002519						
S-QUBE60-1AC										
S-QUBE60-3AC										
S-QUBE80-3AC	PNLC-QUBIK-DS50	005770								
S-QUBE100-3AC										

Description	 Potentiometer	
	Description	Code
S-QUBE20-1EC	CTRL-A	002049
S-QUBE40-1EC		
S-QUBE50-1EC		

# S-QUBE

## Circular inlet panel



- Galvanised steel panel with washable acoustic lining, 15 mm thick, with circular inlet/outlet spigot

Descrizione	Ø Bocca
PNLC-QUBIK-S15	315
PNLC-QUBIK-S25	400
PNLC-QUBIK-S35	450
PNLC-QUBIK-S50	500

Dimensioni in mm

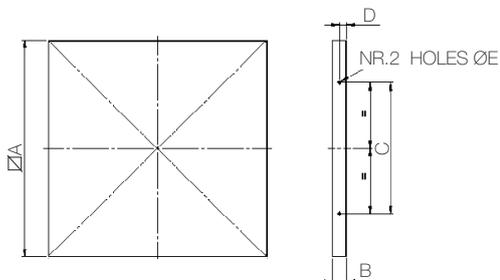
## Rainproof cowl



- Made from galvanised steel
- To be used in case of external mounting

Description	A	B	C	D	ØE
TP-QUBIK15	465	30	280	15	6
TP-QUBIK25/35	590	30	380	15	6
TP-QUBIK50	745	30	480	15	6

Dimensioni in mm



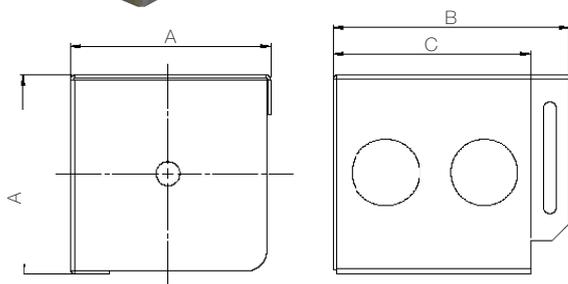
## Mounting feet



- Set of 4 pieces made from galvanised steel

Description	A	B	C
KFEET-QUBIK	101,50	120	100

Dimensions in mm



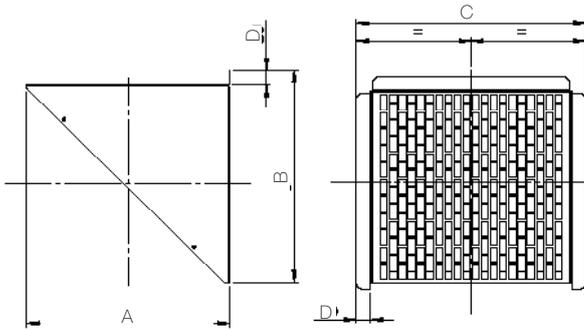
## Rainproof outlet discharge



- Made from galvanised steel
- Provided with protection guard
- To be mounted on the fan outlet

Description	A	B	C	D
TRM-QUBIK15	227	294	313	20
TRM-QUBIK25/35	322	340	403	20
TRM-QUBIK50	375	400	468	20

Dimensions in mm



## Service switch



- 4-pole breaker (supplied unassembled)

Description	max Amp
SEZIONATORE 4P	16

Dimensions in mm

## CTRL-A



- Potentiometer with front knob to adjust the motor speed
- Provided with two-pole switch (ON/OFF)
- Front yellow led to indicate that the load is active
- Controls one fan only
- 230V~ 50/60Hz
- Supplied with IP55 wall surface box