



## DOUBLE SKIN ACOUSTIC CENTRIFUGAL BOX FANS

### 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

- Frame made from extruded aluminum profiles.
- Double-skin panels manufactured from galvanised sheet steel, providing long lasting and robust construction.
- 15mm thick acoustic lining, washable, made in self-extinguishing technopolymer (grade HF1 as per UL94).
- Panel corners sealed with gasket to optimise air-tightness.
- Side inspection panel for ease of installation, inspection and maintenance.
- Outlet with rectangular section.
- Double inlet double width centrifugal fan, direct drive, fitted with IP55 connection box (in IP55 models).
- Dynamically balanced forward curved impeller.
- IP20 or IP55 motors, 3-speed single-phase.
- Fan totally isolated from external casing, thanks to anti-vibration mounts on the support feet and thick gasket between fan and discharge side panel.

### FEATURES & BENEFITS

- Installation is made easier thanks to removable and exchangeable panels.
- High quality washable lining for optimum acoustic performance and ease of cleaning thanks to sandwich panels
- Accurate panels sealing for absence of leakage.
- Inlet opening can be cut where needed.
- Fans are suitable to operate at a maximum temperature of +40°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 Machinery Directive (MD), low Voltage Directive (LVD), electromagnetic compatibility Directive (EMC) and regulation 1253/2014 (ErP Directive).

### ACCESSORIES

- Circular spigot panel.
- Rectangular inlet panel.
- Rainproof cowl.
- Mounting feet (set of 4).
- Rainproof outlet discharge.
- Service switch.
- 3-speed selector.

# QUBIK-DS

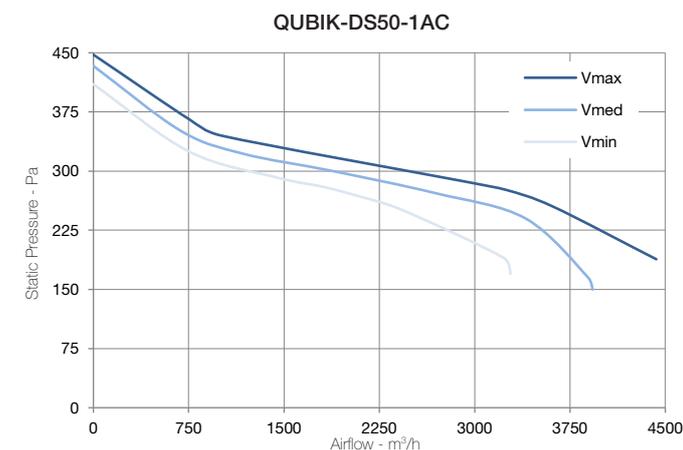
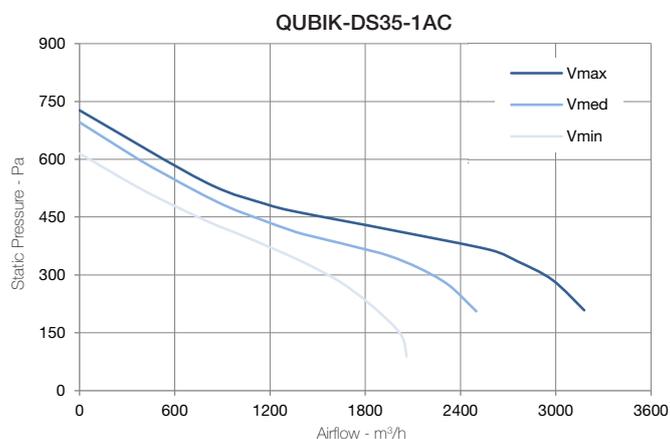
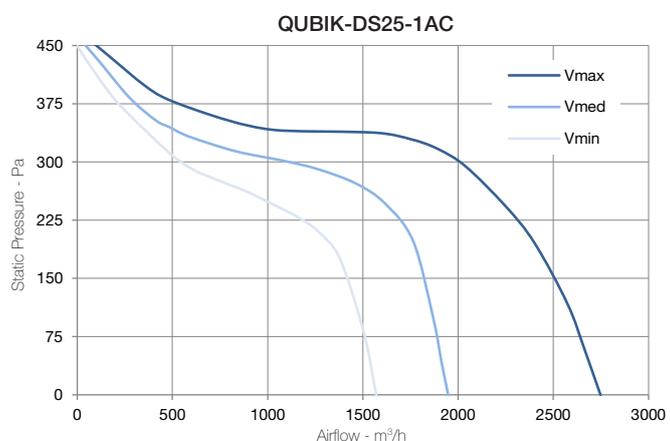
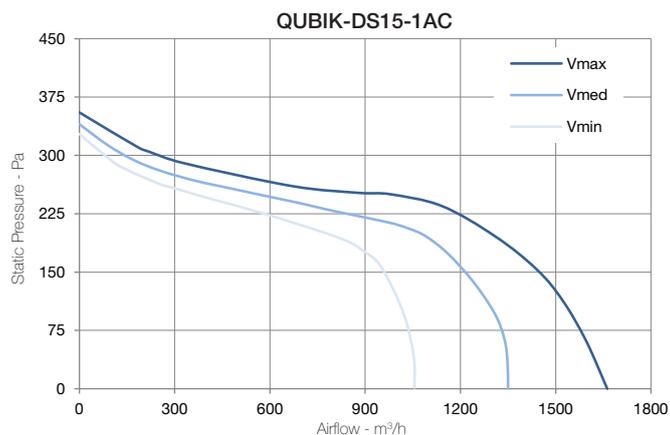
## Performances

Description	Poles	Mot.	P <sub>mec</sub>	I <sub>nom</sub>	I <sub>start</sub>	IP/Cl.
		size	kW	A	A	
QUBIK-DS15-1AC	4	-	0,15	2,1	-	20/F
Description	Code	Eff.	SFP	Q max	Lp	
		%	W/m³/h	m³/h	dB(A) @3m Breakout	
QUBIK-DS15-1AC	005759	33,4	0,206	1660	52	

Description	Poles	Mot.	P <sub>mec</sub>	I <sub>nom</sub>	I <sub>start</sub>	IP/Cl.
		size	kW	A	A	
QUBIK-DS25-1AC	4	-	0,37	4,0	-	55/F
Description	Code	Eff.	SFP	Q max	Lp	
		%	W/m³/h	m³/h	dB(A) @3m Breakout	
QUBIK-DS25-1AC	005760	37,6	0,269	2750	56	

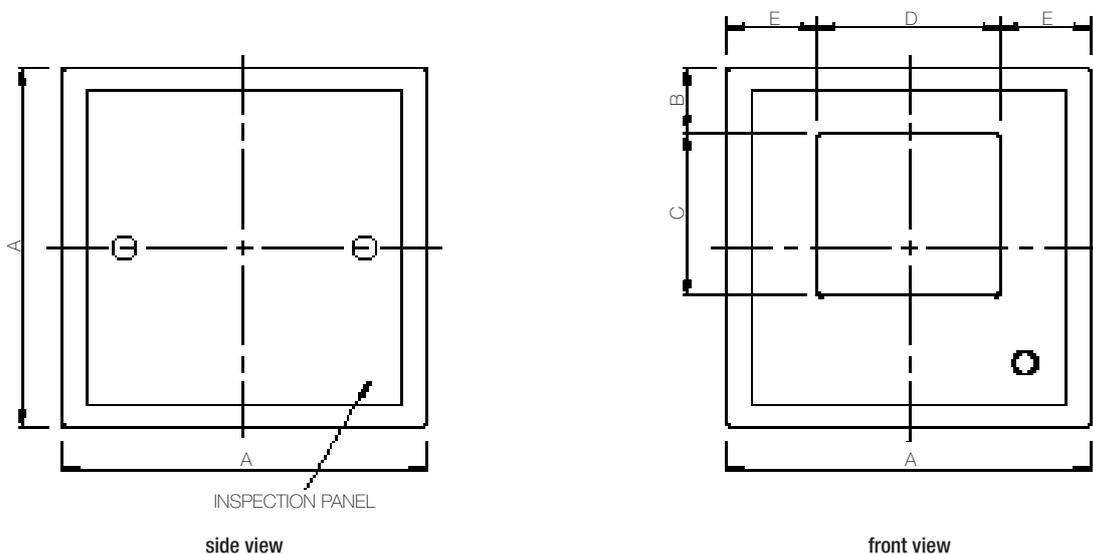
Description	Poles	Mot.	P <sub>mec</sub>	I <sub>nom</sub>	I <sub>start</sub>	IP/Cl.
		size	kW	A	A	
QUBIK-DS35-1AC	4	-	0,55	7,1	-	55/F
Description	Code	Eff.	SFP	Q max	Lp	
		%	W/m³/h	m³/h	dB(A) @3m Breakout	
QUBIK-DS35-1AC	005761	39,6	0,326	3180	58	

Description	Poles	Mot.	P <sub>mec</sub>	I <sub>nom</sub>	I <sub>start</sub>	IP/Cl.
		size	kW	A	A	
QUBIK-DS50-1AC	6	-	0,74	8,47	-	55/F
Description	Code	Eff.	SFP	Q max	Lp	
		%	W/m³/h	m³/h	dB(A) @3m Breakout	
QUBIK-DS50-1AC	005762	40,3	0,228	4430	54	



The performance curves shown were obtained by making a suction hole in line with the pressure port of equivalent surface area. Data in accordance with Regulation 1253/2014 (ErP Directive). Product category is NRVU. Measurement category used to determine energy efficiency: D. Data provided at standard air density of 1.2kg/m³. 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.

## Dimensions (mm) and Weight (kg)



INSPECTION PANEL

side view

front view

Description	A	B	C	D	E	Weight
QUBIK-DS15-1AC	460	83	215	232	114	18
QUBIK-DS25-1AC	580	135	264	298	141	28
QUBIK-DS35-1AC	580	77	291	330	125	32
QUBIK-DS50-1AC	740	152	350	410	165	40

Dimensions in mm

## Accessori

Description		Circular spigot panel		Rectangular inlet panel		Rainproof cowl		Mounting feet (set of 4)		Rainproof outlet discharge
	Description	Code	Description	Code	Description	Code	Description	Code	Description	Code
QUBIK-DS15-1AC	PNLC-QUBIK-DS15	005767	PNLR-QUBIK-DS15	005775	TP-QUBIK15	002517	KFEET-QUBIK	002523	TRM-QUBIK15	002520
QUBIK-DS25-1AC	PNLC-QUBIK-DS25	005768	PNLR-QUBIK-DS25	005776	TP-QUBIK25/35	002518			TRM-QUBIK25/35	002521
QUBIK-DS35-1AC	PNLC-QUBIK-DS35	005769	PNLR-QUBIK-DS35	005777					TP-QUBIK50	002519
QUBIK-DS50-1AC	PNLC-QUBIK-DS50	005770	PNLR-QUBIK-DS50	005778						

Description		Service switch	3-speed selector	
	Description	Code	Description	Code
QUBIK-DS15-1AC	SEZIONATORE 4P	002704	SEL-3V-P	003790
QUBIK-DS25-1AC			SEL-3V-I 2M	003789
QUBIK-DS35-1AC			COMMUT. 12A	003333
QUBIK-DS50-1AC			COMMUT. 12A	003333
			COMMUT. 12A	003333

# QUBIK-DS

## Circular spigot panel



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

Description	Ø Spigot
PNLC-QUBIK-DS15	315
PNLC-QUBIK-DS25	400
PNLC-QUBIK-DS35	450
PNLC-QUBIK-DS50	500

Dimensions in mm

## Rectangular inlet panel



- Galvanised steel panel with washable acoustic lining, 15mm thick, with rectangular inlet.

Description	Spigot Length	Spigot Width
PNLR-QUBIK-DS15	232	215
PNLR-QUBIK-DS25	298	264
PNLR-QUBIK-DS35	330	291
PNLR-QUBIK-DS50	410	350

Dimensions in mm

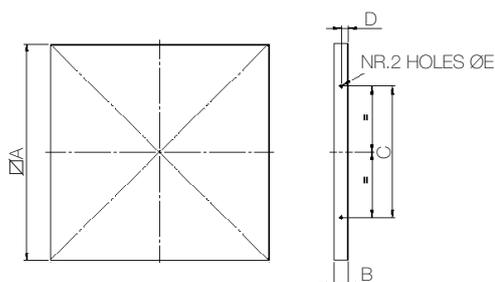
## Rainproof cowl



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

Description	∅A	B	C	D	∅E
TP-QUBIK15/21	465	30	280	15	6
TP-QUBIK32/40	590	30	380	15	6
TP-QUBIK60/75	745	30	480	15	6

Dimensions in mm



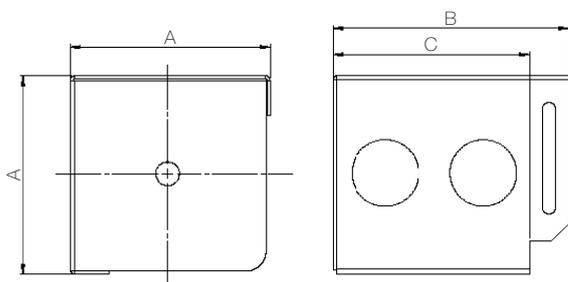
## Mounting feet



- Set of 4 pieces made from galvanised steel.

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

Dimensions in mm



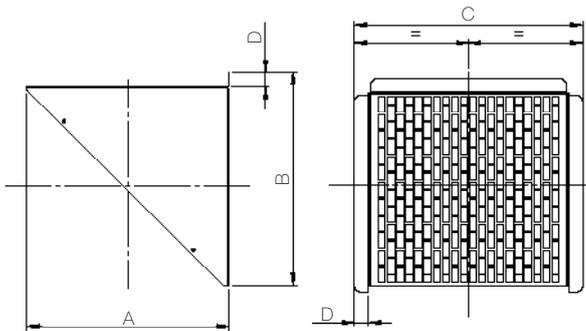
## Rainproof outlet discharge



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

Description	A	B	C	D
TRM-QUBIK15/21	227	294	313	20
TRM-QUBIK32/40	322	340	403	20
TRM-QUBIK60/75	375	400	468	20

Dimensions in mm



## Service switch



- 4-pole breaker.

Description	max Amp
SEZIONATORE 4P	16

Dimensions in mm

## 3-speed selector



- Speed selector with front selection knob, including ON/OFF position.
- SEL-3V controller is available for surface (SEL-3V-P) or recessed mounting (SEL-3V-I 2M).
- The item COMMUT. 12A does not include the box for wall installation.

Description	Voltage/Hz	max Amp	H	L
SEL-3V	230V - 50/60Hz	3	80	80
COMMUT. 12A	600V - 50/60Hz	12	-	-

Dimensions in mm