



K RANGE

In-line centrifugal fans for kitchen cabinet

One or two-speed centrifugal duct fans, ideal for ventilating small and medium-size residential and commercial premises. The AXIAL K model is designed for suction in-line with the exhaust, while the ANGOL K model instead allows for 90° exhaust with respect to suction.

Key features

- Excellent performance/price ratio
- Easy, fast installation.
- ANGOL K equipped with a 2-speed motor to adapt the performance provided to the actual current needs.

Version

2 models, both the nominal diameter 100 mm, designed for in-line exhaust or 90° rotated exhaust with respect to the suction.



Technical features

- White, shock-proof, plastic resin casings prevent ageing caused by exposure to sunlight ("UV resistant"). Protective grilles integrated into the air inlets
- Heat-protected motors, two-speed in ANGOL K, with shafts mounted on bushings with self-centring and self-lubricating neck to keep sound emissions down and guarantee regular product operation for durations suitable to typical applications. Speed adjustment using VORTICE accessory devices.
- Centrifugal impellers moulded in plastic resin, resistant to aggressive agents, with optimised profile blades to combine high performance with considerable flow rate levels
- Class of electric isolation: II (earthing not required).

TECHNICAL DATA

MODELS	CODE	V~50HZ	W min/max	A min/max	RPM min/max	MAX AIRFLOW m³/h min/max	MAX PRESSURE mmH ₂ O min/max	Lp dB(A)* 3m min/max	MAX °C**	KG
ANGOL K	10204	220-240	29 35	0.12 0.16	1410 2180	86 140	23.9 38.9	13.5 17	132 157	33 43
AXIAL K	10904	220-240	27	0.13	2560	135	37.5	17	167	41

* Data refers to both speeds. Measurement taken in front of the intake port with outlet connected and unobstructed extraction. Conforms with ISO 3744 for noise and pressure levels.



K RANGE | TECHNICAL DATA FOR REGULATION N° 1254/2014/UE

	UNIT OF MEASURE	ANGOL K	AXIAL K
Supplier's name or trade mark	-	VORTICE	VORTICE
Specific Energy Consumption class SEC in average climate zone	-	NA	NA
Specific Energy Consumption class SEC average		-2.2	-1.8
Specific Energy Consumption class SEC cold	kWh/m ² year	-10.9	-10.5
Specific Energy Consumption class SEC warm		10.1	10.5
Declared typology	-	RVU-U*	RVU-U*
Type of drive	-	NA	NA
Type of heat recovery system HRS	-	none	none
Thermal efficiency of heat recovery at reference air flow	%	NA	NA
Maximum flow rate	m ³ /h	75	78
Electric power input of the fan drive, including any motor control equipment, at maximum flow rate	W	29.2	27.0
Sound power level LWA	LWA [dB(A)]	62	64
Reference flow rate	m ³ /s	0.0146	0.0152
Reference pressure difference	Pa	82	129
SPI	W/(m ³ /h)	0.47619	0.48901
Control factor CTRL	-	1	1
Control typology	-	manual	manual
Maximum internal leakage rates	%	NA	NA
Maximum external leakage rates	%	NA	NA
Mixing rate	-	NA	NA
Position and description of visual filter warning	-	NA	NA
Airflow sensitivity to pressure variations at + 20 Pa and - 20 Pa	-	NA	NA
Indoor/outdoor air tightness	m ³ /h	NA	NA
Annual electricity consumption (AEC)	kWh electricity/year	597	613
AHS average Annual heating saved		1715	1715
AHS cold Annual heating saved	kWh primary energy/year	2732	2732
AHS warm Annual heating saved		632	632

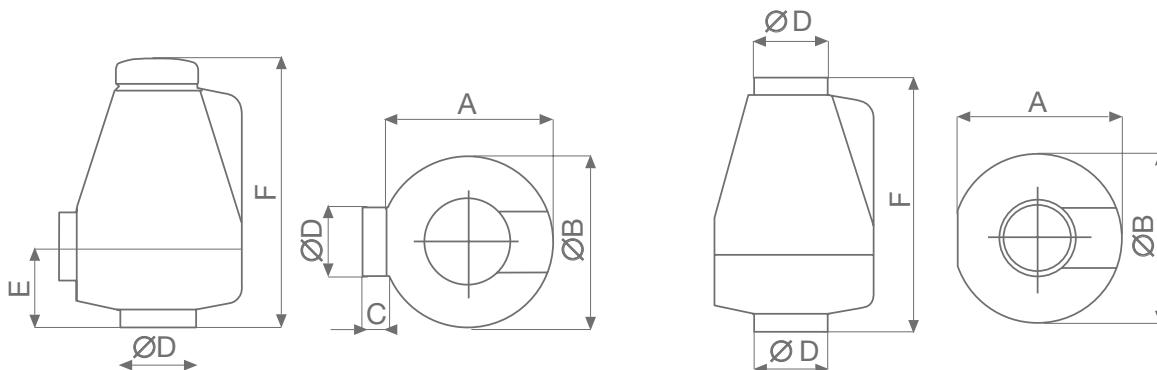
* RVU-U: Unit Ventilation Residential - Unidirectional

** NRVU-U: Unit Ventilation Non Residential - Unidirectional

*** MSD: Multi-Speed Drive

NA: Not applicable

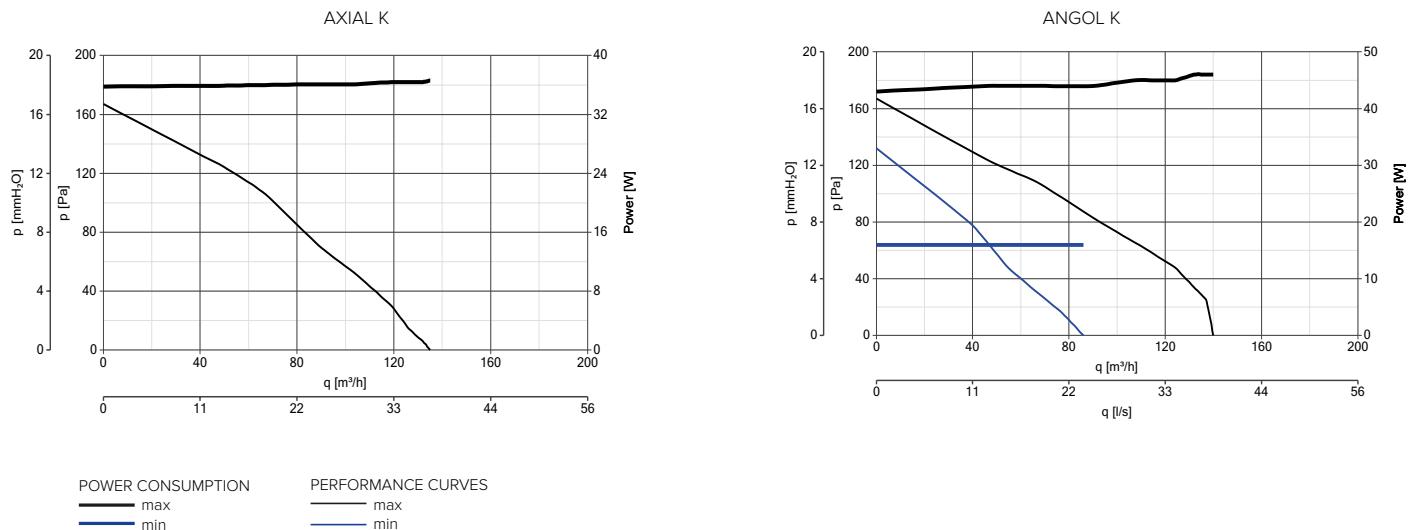
DIMENSIONS



MODELS	øA	øB	C	øD	E	F
ANGOL K	168	176	25	97	93	281
AXIAL K	168	176	-	97	-	270

Dimensions (mm)

PERFORMANCE CURVES



CONTROLLER

MODELS	DESCRIPTION	CODE	PRODUCT
	C 1.5 - Electronic speed controller 1.5 A	12966	ALL PRODUCTS
	SCNRB - Electronic speed controller built-in	12971	ALL PRODUCTS
	SCB KIT - Built-in controller adaptor for C 1.5	22481	12966

ACCESSORIES ON REQUEST

MODELS	DESCRIPTION	CODE	PRODUCT
	AIR DEFLECTOR	100/4	22310
	CA MU - Galvanized sheet-metal brackets	22674	ALL PRODUCTS



APPLICATIONS

