

VORT PRESS HABITAT RANGE
CENTRIFUGAL DUCT FANS

VORT PRESS HABITAT RANGE

Centrifugal duct fans **LONG LIFE 30.000 h**



Design: F. Trabucco & Associati



2 speed centrifugal fans for wall or ceiling installation, particularly suitable thanks to their small size and special combination of performance and consumption for the continuous ventilation of medium or large-size residential and commercial premises whose layout requires ducting of the exhaust.

Key features

- Reduced exhaust sleeve depth, compatible with installation immediately upstream of a 90° bend.
- 2-speed fan motor, optimised for the continuous 24/7 ventilation of serviced rooms
- Suitable for bathroom installation.
- Dishwasher safe metallic filters.

Version

2 models.

Technical features

- White, shock-proof, plastic resin casing prevents ageing caused by exposure to sunlight ("UV resistant"). Fan motor housing mounted on antivibration supports inside a scroll, with sound-absorbing characteristics, ensuring especially quiet operation.
- Heat-protected 2-speed motor with shaft mounted on ball bearings to guarantee long lasting continuous service (at least 30,000 h) at the maximum plate temperature. Speed adjustment using VORTICE accessory devices.
- Forward-curved centrifugal impeller moulded in plastic resin, resistant to aggressive agents.
- Multi-layer aluminium mesh filter, dishwasher-safe.
- Performance and safety certified by third party body (IMQ)
- Class of electric isolation: II □ (earthing not required).

TECHNICAL DATA

MODELS	CODE	V~50HZ	W		RPM	MAX AIRFLOW		MAX PRESSURE		Lp dB(A) 3m max	MAX °C	KG
			min/max	A min/max		m³/h min/max	l/s min/max	mmH ₂ O min/max	Pa min/max			
VORT PRESS HABITAT LL 30/90	12002	230	8 22	0.06 0.18	820 1450	51 101	14.2 28.1	4 14	39 137	28.5 44.5	40	2.1
VORT PRESS HABITAT LL 45/135	12004	230	4 29	0.04 0.12	430 1170	52 149	14.4 41.4	5 23	49 225	26.5 48	40	2.7

* Conforms with ISO 3744 for noise and pressure levels.



VORT PRESS habitat RANGE | TECHNICAL DATA FOR REGULATION N° 1254/2014/UE

	UNIT OF MEASURE	ARIETT HABITATT LL 15/30	ARIETT HABITATT LL 20/75
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	-	-2,6	-4,0
Specific Energy Consumption class SEC cold	kWh/m ² year	-15,9	-17,3
Specific Energy Consumption class SEC warm	-	5,1	3,7
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	90	143
Electric power input of the fan drive, including any motor control equipment, at maximum flow rate	W	21,0	29,58
Sound power level LWA	LWA [DB(A)]	56	59
Reference flow rate	m ³ /s	0,0175	0,0278
Reference pressure difference	Pa	53	95
SPI	W/(m ³ /h)	0,33016	0,28971
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	455	339
AHS average Annual heating saved	-	1397	1397
AHS cold Annual heating saved	kWh primary energy/year	2732	2732
AHS warm Annual heating saved	-	632	632

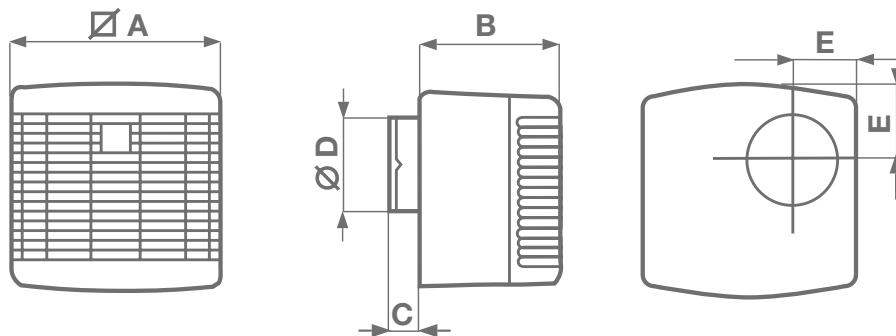
* RVU-U: Unit Ventilation Residential - Unidirectional

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

*** MSD: Multi-Speed Drive

NA: Not applicable

DIMENSIONS



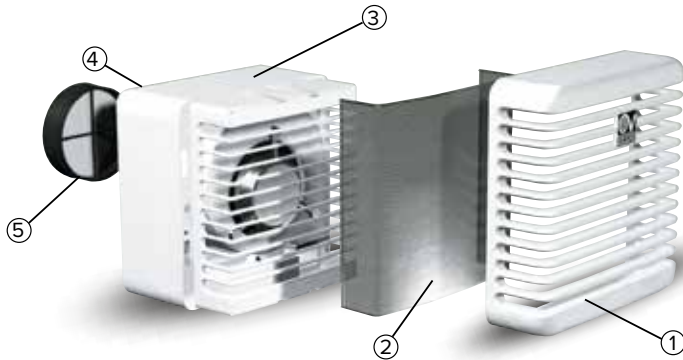
MODEL	∅ A	B	C	∅ D	E
VORT PRESS HABITAT LL 30/90	202	147	30	97	73
VORT PRESS HABITAT LL 45/135	275	140	28	97	73

Dimensions (mm)

VORT PRESS HABITAT RANGE

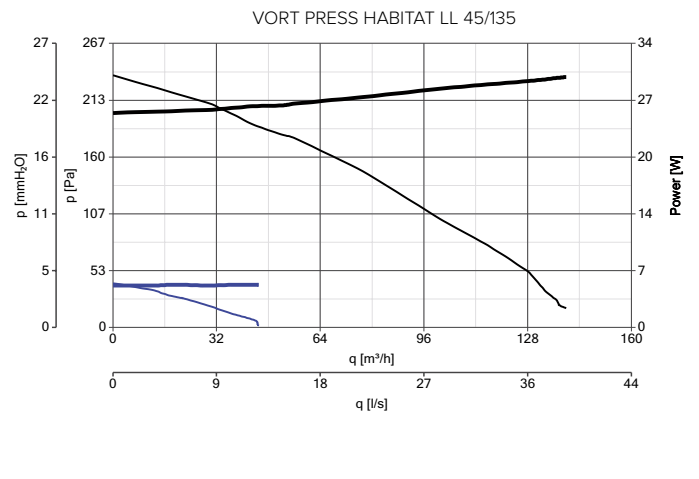
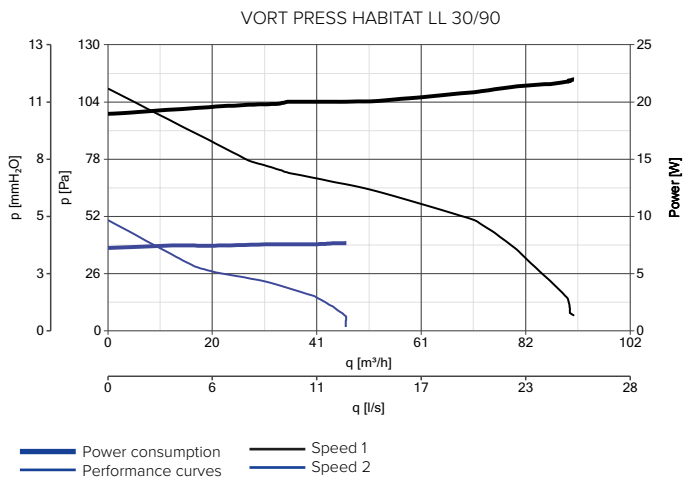
CENTRIFUGAL DUCT FANS

MAIN COMPONENTS






- ① Front grille.
- ② Metallic filter which can be removed and washed (dishwasher safe).
- ③ Made of rigid synthetic resin to guarantee high durability.
- ④ 100 mm dia. outlet spigot.
- ⑤ Silicon backdraught shutter to avoid back-flow when the unit is turned off.


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	ALL PRODUCTS