



APPLICATION

Due to their low noise level ABF fans are designed for ventilation of public buildings, offices, restaurants, warehouses, sound studios etc.

CONSTRUCTION

The fan casing is made of galvanized sheet steel with a sound insulation thickness of 50 mm (reaction class on fire A1). Inlet and outlet manifold with round profile with rubber gaskets.

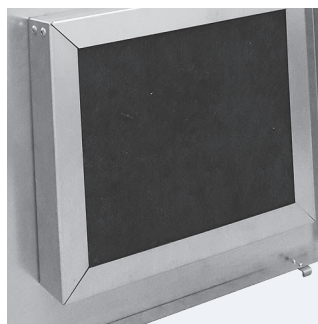
The open housing allows access to the rotor and motor without dismantling the fan from the installation. The housing cover is fitted with locks for fast inspection without additional tools. All models are also equipped with four mounting brackets to install the fan on the wall, floor or ceiling. Junction box mounted on IP55 enclosure. As standard the device is designed to be mounted directly to the outside.

MOTOR

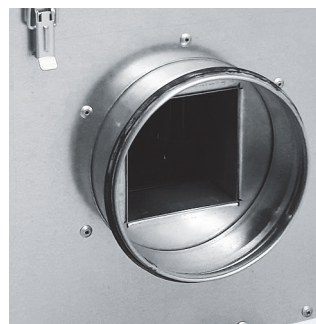
Fans are equipped with single-phase motors 230V, 50Hz, IP44 protection rating, insulation class B.

All motors are designed for voltage-controlled speed control.

Motor fitted with protection Thermal (TP).



Acoustic insulation of a 50 mm thick layer with a reaction to fire class (A1) significantly reducing the noise level.



Circular connection at the inlet and outlet.



All models are equipped with 4 mounting brackets to facilitate installation in any position: ceiling, wall or floor.



Junction box mounted on housing with IP55 protection rating.



NEW

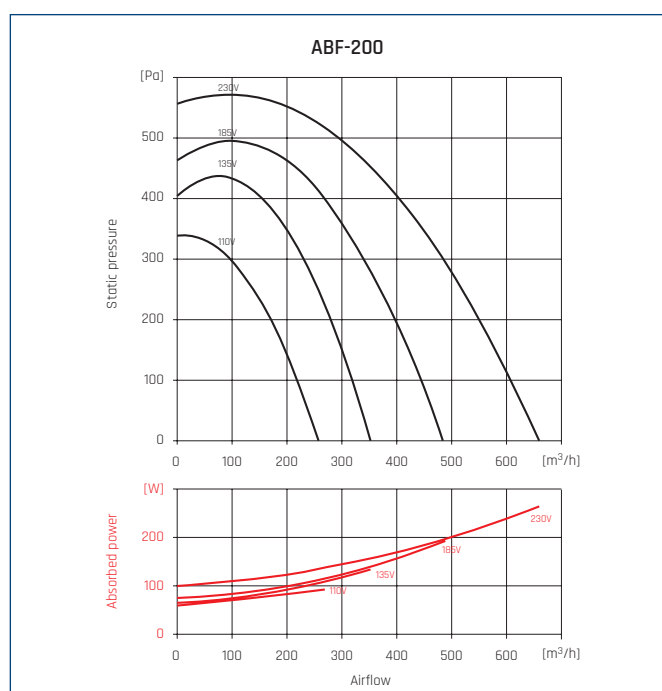
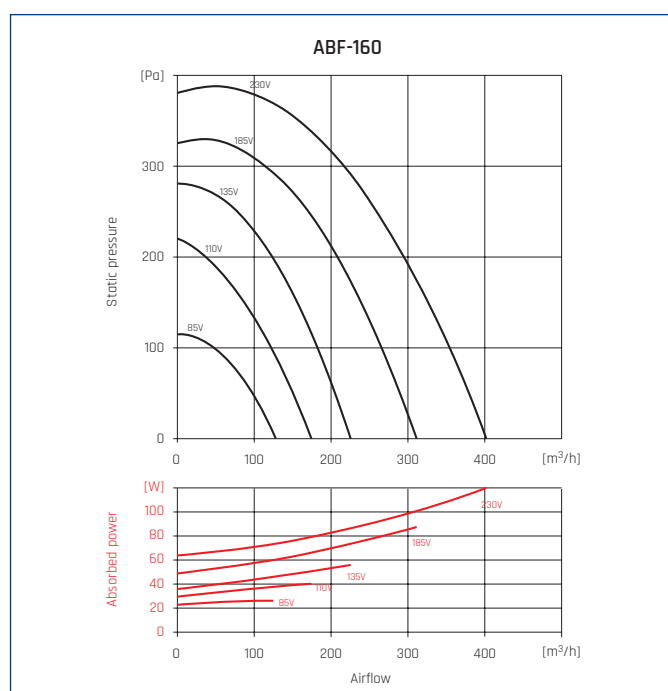
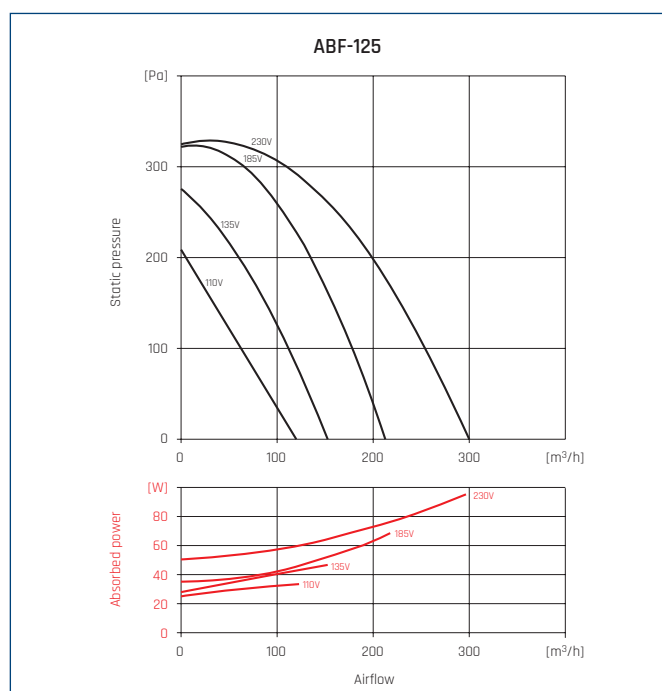
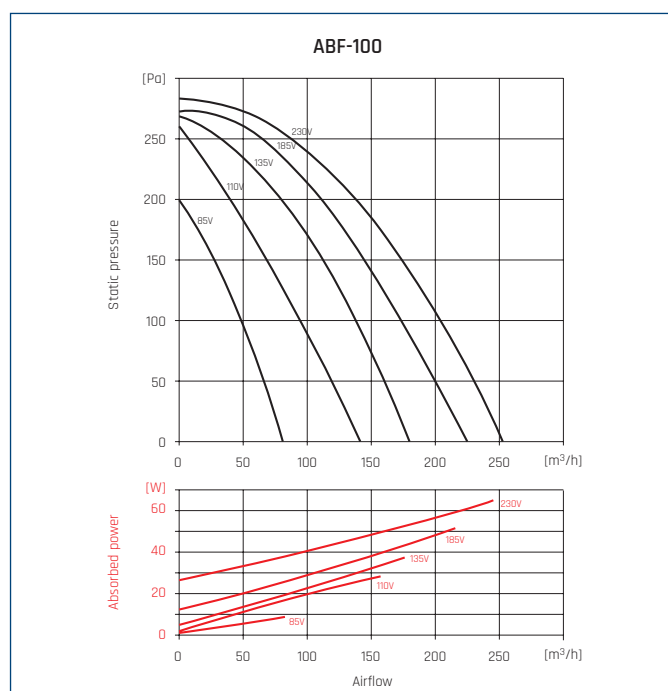


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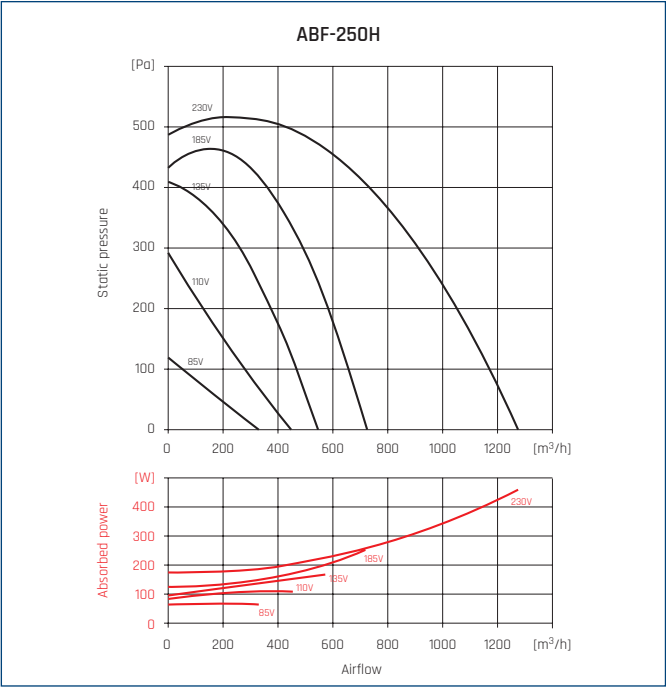
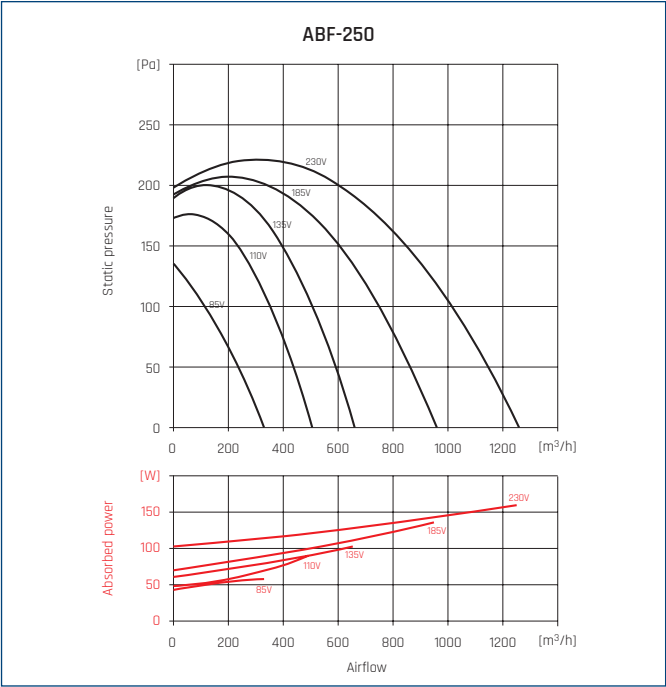
TECHNICAL CHARACTERISTICS

Type	voltage	speed	maximum absorbed power	maximum absorbed current	airflow at free discharge	operating temp. min max		sound pressure level	weight	regulator	ErP	article number
	[V]	[r.p.m.]	[W]	[A]	[m³/h]	[°C]		[dB(A)]	[kg]			
ABF-100	230	2300	80	0,35	250	-20	+40	54	11	TLR 15/RVS 1,5	2016	41013010
ABF-125	230	1650	100	0,47	300	-20	+40	52	12	TLR 15/RVS 1,5	2016	41013020
ABF-160	230	1650	140	0,66	400	-20	+40	52	17	TLR 15/RVS 1,5	2016	41013030
ABF-200	230	2740	280	1,2	650	-20	+40	57	18	TLR 15/RVS 1,5	2016	41013040
ABF-250	230	1400	240	1	1250	-20	+40	58	23	TLR 15/RVS 1,5	2016	41013050
ABF-250H	230	2730	380	1,7	1270	-20	+40	59	22	TLR 25/RVS 3	2016	41013055

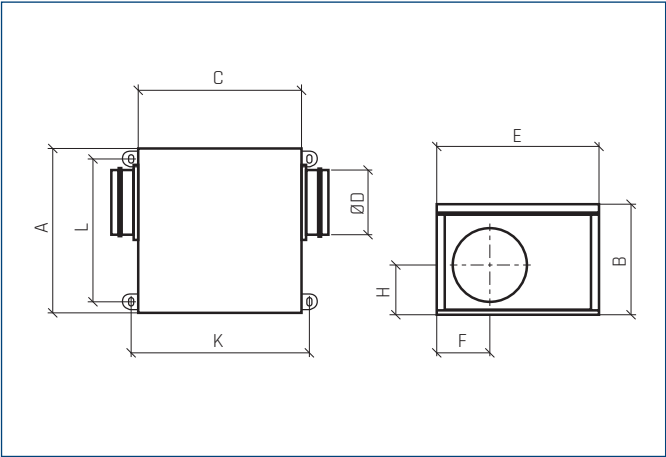
PERFORMANCE CURVES



PERFORMANCE CURVES



DIMENSIONS [mm]



Type	A	B	C	ØD	E	F	G
ABF-100	300	355	330	100	131	146	416,7
ABF-125	300	355	330	125	131	146	416,7
ABF-160	349	440	390	160	170	175	470,8
ABF-200	349	440	390	200	170	175	486,8
ABF-250	456	485	435	250	210	232	551,8
ABF-250H	456	485	435	250	210	232	551,8

ACCESSORY ASSEMBLY



1	2	3				
Type	channel filter DF	channel filter DF-K				
			cartridge filter to DF-K			
			EU3	EU5	EU7	EU9
ABF-100	40520610	40521710	40520800	40520805	40520810	40520820
ABF-125	40520620	40521715	40520800	40520805	40520810	40520820
ABF-160	40520630	40521720	40520800	40520805	40520810	40520820
ABF-200	40520640	40521725	40520800	40520805	40520810	40520820
ABF-250	40520650	40521730	40520800	40520805	40520810	40520820
ABF-250H	40520650	40521730	40520800	40520805	40520810	40520820

1	4	5	6		7	8
Type	backdraft shutter CAR-PL	antivibration connector ACOP PL	flexible silencer AKU COMP		throttle IRIS	vent KWO
			0,6m	1,2m		
ABF-100	40521010-01	40521810	40521510	40521610	19527100	40522520
ABF-125	40521020-01	40521815	40521520	40521620	19527125	40522530
ABF-160	40521030-01	40521820	40521530	40521630	19527160	40522540
ABF-200	40521040-01	40521825	40521540	40521640	19527200	40522550
ABF-250	40521050-01	40521830	40521550	40521650	19527250	40522560
ABF-250H	40521050-01	40521830	40521550	40521650	19527250	40522560

channel filter DF p. 243	channel filter DFK...+EU p. 244	backdraft shutter CAR-PL p. 247	antivibration connector ACOP-PL p. 245	flexible silencer AKU-COMP p. 241	throttle IRIS p. 248	vent KWO p. 661	diffuser AKT/AKK p. 658	heater DH/DH-R p. 233

ELECTRICAL ACCESSORIES

Type	wall thermostat	duct thermostat	air quality sensor	humidistat	thyristor controller		
	TS	TK-1	SQA	HIG-2	REB N	REB NE	TLR
ABF-100	40025345	40025330	40025140	40025150	40025010	40025020	40025025
ABF-125	40025345	40025330	40025140	40025150	40025010	40025020	40025025
ABF-160	40025345	40025330	40025140	40025150	40025010	40025020	40025025
ABF-200	40025345	40025330	40025140	40025150	40025030	40025040	40025025
ABF-250	40025345	40025330	40025140	40025150	40025010	40025020	40025025
ABF-250H	40025345	40025330	40025140	40025150	40025030	40025040	40025045

Type	11-speed thyristor regulator	2-adjustable 6-speed thyristor regulator	ERV	transformer regulator		transformer regulator 2-adjustable	
	IRF	RND-1		RMB	RVS	SC2	SC2A
ABF-100	40015154	40025630	40025046	40025060	40025232	40025250	40025251
ABF-125	40015154	40025630	40025046	40025060	40025232	40025250	40025251
ABF-160	40015154	40025630	40025046	40025060	40025232	40025250	40025251
ABF-200	40015154	40025630	40025046	40025060	40025232	40025250	40025251
ABF-250	40015154	40025630	40025046	40025060	40025232	40025250	40025251
ABF-250H	40015154	40025630	40025046	40025070	40025234	40025252	40025253

									
wall thermostat TS p. 650	duct thermostat TK-1 p. 650	air quality sensor SQA p. 645	humidistat HIG-2 p. 645	thyristor regulator REB p. 638	thyristor regulator TLR p. 639	regulator IRF p. 639	regulator RND-1 p. 641	regulator ERV p. 642	regulator RMB p. 640
									
regulator RVS p. 640	transformer regulator 2-adjustable p. 641								

ERP CHARACTERISTICS

RVU*			
	Name	ABF-100	ABF-125
a	supplier name	VENTURE INDUSTRIES	VENTURE INDUSTRIES
b	article number	41013010,00	41013020
c	SEC average [kWh/m².a]	-17,14	-17,14
c	SEC cold	-33,55	-33,54
c	SEC warm	-7,75	-7,75
c	SEC class	E	E
d	device category	RVU	RVU
d	device type	UVU	UVU
e	type of drive	variable speed drive	variable speed drive
f	type of heat recovery system	not applicable	not applicable
g	thermal efficiency of heat recovery [%]	not applicable	not applicable
h	maximum flow rate [m³/h]	226,00	274
i	electric power input [W]	53,00	70
j	sound power level [dB(A)]	-	-
k	reference flow rate [m³/s]	0,04	0,05
l	reference pressure difference [Pa]	50,00	50
m	SPI [W/m³/h]	0,00	0
n	control factor	1,00	1
o	maximum external leakage for BVU [%]	3,00	3
p	mixing rate	not applicable	not applicable
q	position of visual filter warning	not applicable	not applicable
r	instructions for installing supply grilles	not applicable	not applicable
s	internet address	www.ventur.eu	www.ventur.eu
t	airflow sensitivity to pressure variation	not applicable	not applicable
u	indoor/outdoor air tightness [m³/h]	not applicable	not applicable
v	annual electricity consumption - average climate [kWh/a]	293,77	320,03
v	annual electricity consumption - warm climate [kWh/a]	293,77	320,03
v	annual electricity consumption - cold climate [kWh/a]	293,77	320,03
w	annual heating saved - average climate [kWh/a]	3355,29	3355,29
w	annual heating saved - warm climate [kWh/a]	1715,15	1715,15
w	annual heating saved - cold climate [kWh/a]	775,57	775,57

* RVU - "residential ventilation unit" - according to COMMISSION REGULATION (EU) No 1253/2014.

NRVU*					
	Name	ABF-160	ABF-200	ABF-250	ABF-250 H
a	supplier name	VENTURE INDUSTRIES	VENTURE INDUSTRIES	VENTURE INDUSTRIES	VENTURE INDUSTRIES
b	article number	41013030	41013040	41013050	41013055
c	device category	NRVU	NRVU	NRVU	NRVU
c	device type	UVU	UVU	UVU	UVU
d	Naped	variable speed drive	variable speed drive	variable speed drive	variable speed drive
e	type of heat recovery system	not applicable	not applicable	not applicable	not applicable
f	thermal efficiency of heat recovery [%]	not applicable	not applicable	not applicable	not applicable
g	Znamionowe natężenie przepływu w NRVU [m³/s]	0,04	0,09	0,21	0,2
h	Efektywny pobór mocy [kW]	0,09	0,17	0,13	0,27
i	JMWint [W/(m³/s)]	2225	1741,94	620,53	1353,16
j	Prędkość czołowa [m/s]	0,32	0,63	1,17	1,1
k	Δps, ext [Pa]	300	490	181	412
l	Δps, int [Pa]	not applicable	not applicable	not applicable	not applicable
m	Δps, add [Pa]	not applicable	not applicable	not applicable	not applicable
n	Static efficiency of fans [%]	0,21	0,28	0,29	0,3
o	maximum external leakage for BVU [%]	3	3	3	3
p	Efektywność energetyczna filtra	not applicable	not applicable	not applicable	not applicable
q	position of visual filter warning	not applicable	not applicable	not applicable	not applicable
r	L _{wa} [dB(A)]	-	-	-	-
s	internet address	www.ventur.eu	www.ventur.eu	www.ventur.eu	www.ventur.eu

* NRVU - "non-residential ventilation unit" - according to COMMISSION REGULATION (EU) No 1254/2014.