



APPLICATION

Very quiet operation makes CAB B ideal for ventilation of public buildings, libraries, conference rooms, offices, restaurants, classrooms, audio studios, etc.

CONSTRUCTION

The fan casing is made of galvanized sheet steel and is equipped with 50mm fiberglass fire-retardant (M0) sound insulation. Impeller with backward curved polyamide blades. The rounded inlet and outlet nozzles are fitted with rubber gaskets. The housing cover is equipped with locks which allow easy access to the impeller and motor without dismantling the fan from the installation. All models are also equipped with four mounting brackets to install the fan on the wall, floor or ceiling. The fans can be installed outdoors as standard.

MOTOR

The fans are equipped with asynchronous, single-phase 230V, 50/60Hz motors with ball bearings. Models CAB B 100 - CAB B 160 have IP44 protection rating, insulation class B. Models CAB B 200 - CAB B 250 have IP44 protection rating, insulation class F. All motors are designed for voltage-controlled speed control. Electrical connection diagram - fig. 9, p. 663.

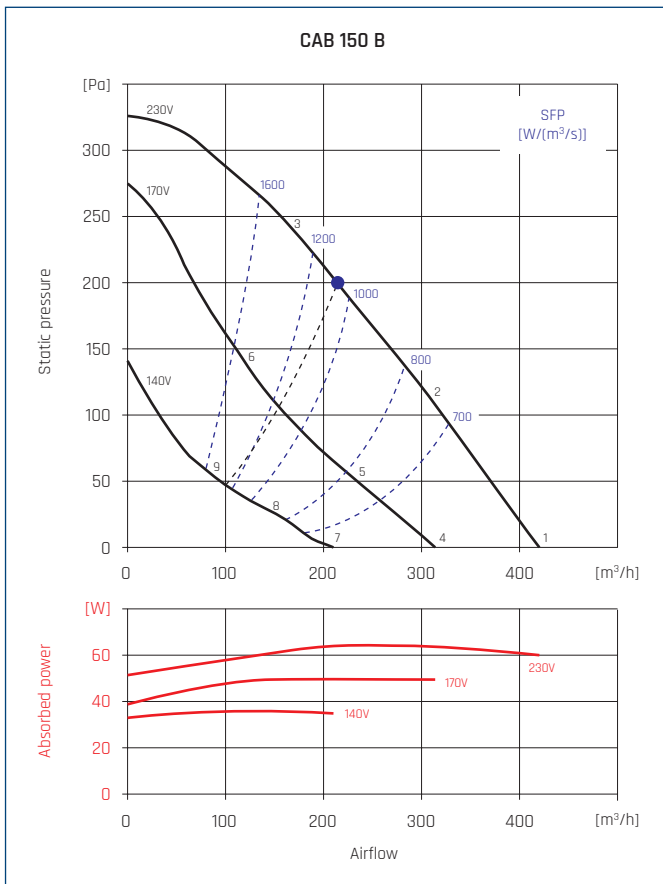
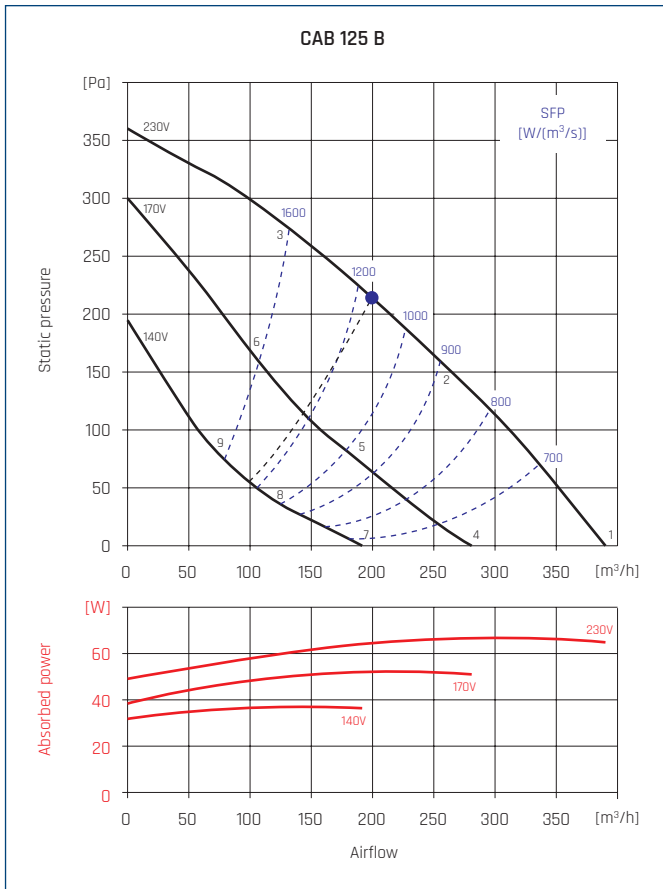


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TECHNICAL CHARACTERISTICS

Type	voltage	speed	maximum absorbed power	maximum absorbed current	airflow at free discharge	operating temp.		sound pressure level	weight	regulator	ErP	article number
	[V]	[obr/min]	[W]	[A]	[m³/h]	min	max	[dB(A)]				
CAB 125 B	230	2550	65	0,3	390	-20	+50	29	13	TLR 15 DS RVS 1,5	2016	41020406
	170	1830	50	0,3	280			26				
	140	1260	36	0,3	190			22				
CAB 150 B	230	2590	63	0,3	420	-20	+50	30	15	TLR 15 DS RVS 1,5	2016	41020408
	170	1960	50	0,3	310			26				
	140	1320	36	0,3	210			22				
CAB 160 B	230	2620	64	0,3	430	-20	+50	30	15	TLR 15 DS RVS 1,5	2016	41020411
	170	2020	50	0,3	330			26				
	140	1390	36	0,3	230			22				
CAB 200 B	230	2620	157	0,7	920	-20	+50	34	22	TLR 15 DS RVS 1,5	2018	41020421
	170	2070	137	0,8	720			29				
	140	1470	103	0,8	500			25				
CAB 250 B	230	2620	225	1	1220	-20	+50	36	25	TLR 15 DS RVS 1,5	2018	41020431
	170	2090	197	1,2	970			30				
	140	1460	143	1,1	670			26				

PERFORMANCE CURVES



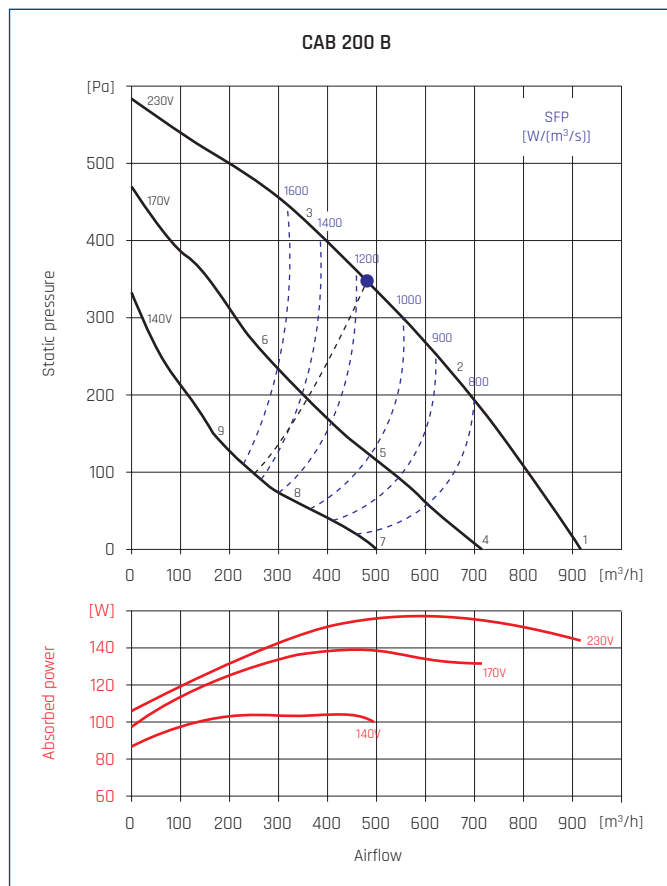
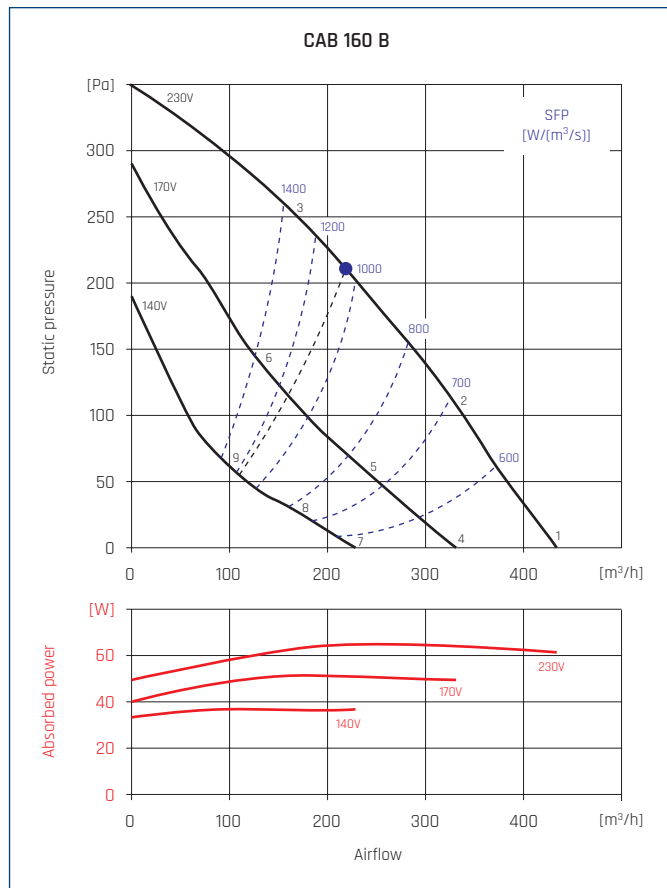
● - highest efficiency point.

ACOUSTIC CHARACTERISTICS

Hz/dB(A)		63	125	250	500	1000	2000	4000	8000	L _{WA}
1	Inlet	36	41	53	54	55	54	53	46	61
	Outlet	35	45	51	46	51	49	46	38	57
	Emitted	36	38	46	40	42	44	44	38	51
2	Inlet	34	40	54	53	54	52	49	44	60
	Outlet	31	41	51	43	48	47	43	36	55
	Emitted	34	36	46	38	40	41	39	34	49
3	Inlet	31	41	55	55	56	52	49	43	61
	Outlet	31	42	49	43	48	47	43	37	54
	Emitted	30	37	46	40	42	40	38	33	50
4	Inlet	32	40	49	49	52	50	48	40	57
	Outlet	30	41	46	42	47	44	40	31	52
	Emitted	32	37	41	36	39	41	39	35	47
5	Inlet	30	39	49	49	50	49	46	39	56
	Outlet	27	40	47	40	45	42	37	30	51
	Emitted	30	37	41	36	38	39	37	34	46
6	Inlet	27	38	49	48	50	47	43	36	55
	Outlet	25	38	46	39	44	42	37	30	50
	Emitted	27	35	40	34	37	36	34	30	45
7	Inlet	29	37	43	45	46	46	41	33	52
	Outlet	27	38	43	39	42	39	33	26	48
	Emitted	29	34	38	32	35	37	32	28	43
8	Inlet	25	36	42	44	45	43	37	30	50
	Outlet	23	37	42	38	39	36	30	25	46
	Emitted	26	33	38	32	35	35	30	26	42
9	Inlet	25	36	43	44	45	42	35	28	50
	Outlet	23	38	42	37	39	35	29	25	46
	Emitted	24	33	38	31	34	33	27	23	42

Hz/dB(A)		63	125	250	500	1000	2000	4000	8000	L _{WA}
1	Inlet	36	42	54	55	55	55	54	47	62
	Outlet	36	46	52	47	52	50	47	39	58
	Emitted	36	38	46	40	42	44	43	38	51
2	Inlet	34	40	54	53	54	52	49	44	60
	Outlet	31	41	51	43	48	47	43	36	55
	Emitted	35	37	47	39	41	42	40	35	50
3	Inlet	31	41	55	55	56	52	49	43	61
	Outlet	31	42	48	43	48	47	43	37	54
	Emitted	31	38	47	41	43	41	39	34	51
4	Inlet	33	41	51	52	54	52	49	43	59
	Outlet	31	42	47	43	48	45	41	33	53
	Emitted	33	38	42	37	40	41	40	36	48
5	Inlet	31	40	50	50	51	50	47	40	57
	Outlet	28	41	48	41	46	44	38	31	52
	Emitted	30	37	41	36	38	39	37	34	46
6	Inlet	28	39	50	49	51	48	44	38	56
	Outlet	26	39	46	40	45	43	38	32	51
	Emitted	28	36	41	35	37	37	35	31	45
7	Inlet	29	38	44	46	48	46	42	34	53
	Outlet	28	39	44	40	43	40	34	27	49
	Emitted	30	35	39	34	36	38	33	29	44
8	Inlet	25	37	43	45	46	44	38	31	51
	Outlet	24	38	42	39	40	37	31	26	47
	Emitted	26	34	38	32	34	35	30	26	42
9	Inlet	25	37	44	45	46	42	36	29	51
	Outlet	24	39	43	38	40	37	30	26	47
	Emitted	25	34	39	32	34	33	28	24	42

PERFORMANCE CURVES



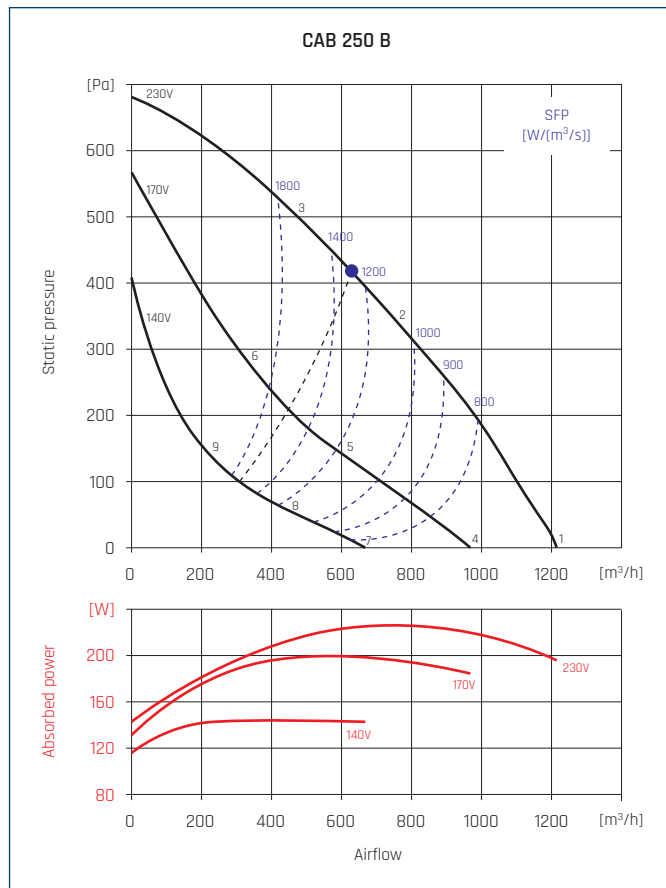
• - highest efficiency point.

ACOUSTIC CHARACTERISTICS

Hz/dB(A)		63	125	250	500	1000	2000	4000	8000	L _{WA}
1	Inlet	36	42	54	55	56	55	54	47	62
	Outlet	36	46	52	47	52	50	47	39	58
	Emitted	36	38	46	40	42	44	43	38	51
2	Inlet	34	40	54	53	54	52	49	44	60
	Outlet	31	41	51	43	48	47	43	36	55
	Emitted	35	37	47	39	41	42	40	35	50
3	Inlet	31	41	55	55	56	52	49	43	61
	Outlet	31	42	48	43	48	47	43	37	54
	Emitted	31	38	47	41	43	41	39	34	51
4	Inlet	33	41	51	52	54	52	49	43	59
	Outlet	31	42	47	43	48	45	41	33	53
	Emitted	33	38	42	37	40	41	40	36	48
5	Inlet	31	40	50	50	51	50	47	40	57
	Outlet	28	41	48	41	46	44	38	31	52
	Emitted	30	37	41	36	38	39	37	34	46
6	Inlet	28	39	50	49	51	48	44	38	56
	Outlet	26	39	46	40	45	43	38	32	51
	Emitted	28	36	41	35	37	37	35	31	45
7	Inlet	29	38	44	46	48	46	42	34	53
	Outlet	28	39	44	40	43	40	34	27	49
	Emitted	30	35	39	34	36	38	33	29	44
8	Inlet	25	37	43	45	46	44	38	31	51
	Outlet	24	38	42	39	40	37	31	26	47
	Emitted	26	34	38	32	34	35	30	26	42
9	Inlet	25	37	44	45	46	42	36	29	51
	Outlet	24	39	43	38	40	37	30	26	47
	Emitted	25	34	39	32	34	33	28	24	42

Hz/dB(A)		63	125	250	500	1000	2000	4000	8000	L _{WA}
1	Inlet	42	48	63	65	67	60	60	56	71
	Outlet	46	52	56	53	58	58	55	48	64
	Emitted	41	42	53	45	46	43	44	41	55
2	Inlet	37	47	62	62	62	56	58	54	68
	Outlet	39	48	54	50	56	56	53	48	62
	Emitted	38	42	53	43	43	41	43	40	55
3	Inlet	34	48	63	63	63	58	59	54	69
	Outlet	38	47	54	50	54	57	54	49	62
	Emitted	33	41	52	42	42	40	42	39	54
4	Inlet	37	48	59	61	63	56	56	51	67
	Outlet	42	51	53	50	55	55	51	44	61
	Emitted	37	42	47	41	43	40	40	39	51
5	Inlet	34	47	58	58	59	53	53	48	64
	Outlet	34	49	51	46	52	51	48	41	58
	Emitted	33	41	46	38	39	36	37	36	49
6	Inlet	31	47	57	57	57	52	53	48	63
	Outlet	33	48	51	46	51	52	48	42	58
	Emitted	32	42	46	38	38	37	38	35	49
7	Inlet	33	45	54	56	57	52	50	44	62
	Outlet	37	48	49	46	50	51	46	38	57
	Emitted	33	40	44	39	40	37	37	32	48
8	Inlet	29	44	52	54	54	48	47	40	59
	Outlet	32	47	46	43	47	47	42	34	54
	Emitted	29	38	42	36	36	33	33	28	45
9	Inlet	26	44	50	51	51	46	44	38	57
	Outlet	31	46	46	43	46	46	39	33	53
	Emitted	26	38	41	34	34	31	30	26	44

PERFORMANCE CURVES

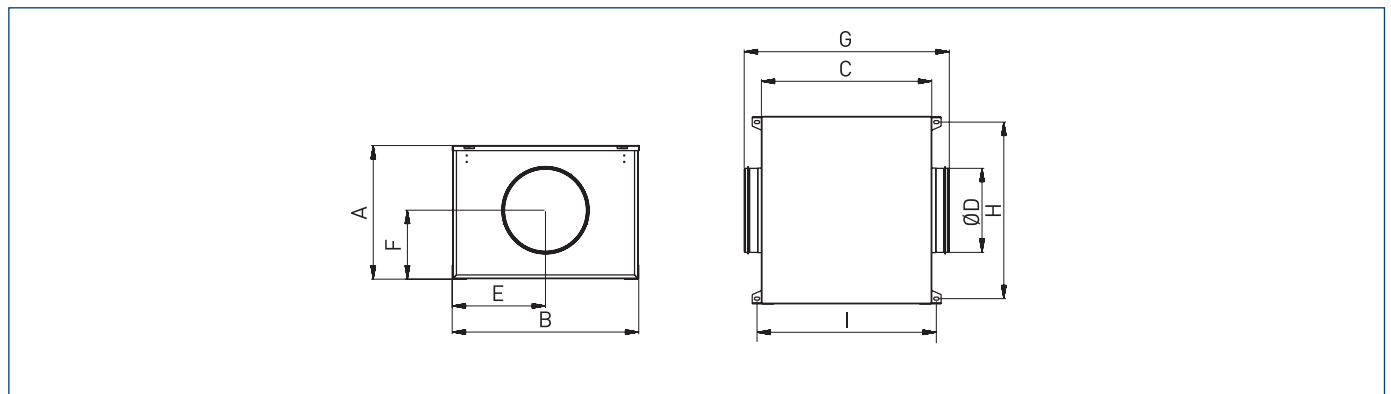


● - highest efficiency point.

ACOUSTIC CHARACTERISTICS

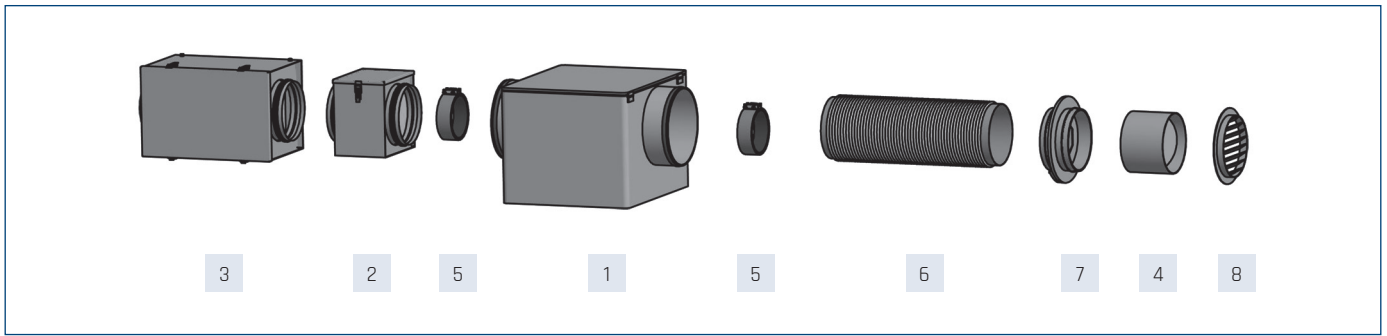
Hz/dB(A)		63	125	250	500	1000	2000	4000	8000	L _{WA}
1	Inlet	43	51	66	68	70	62	62	58	74
	Outlet	51	55	58	56	60	62	59	52	67
	Emitted	43	44	55	47	48	44	45	43	58
2	Inlet	38	50	65	65	65	58	61	57	71
	Outlet	42	51	55	52	58	59	56	51	64
	Emitted	39	44	55	46	44	41	44	43	57
3	Inlet	36	51	67	66	66	60	63	58	72
	Outlet	41	49	57	53	57	61	58	53	65
	Emitted	35	43	54	44	42	41	44	41	56
4	Inlet	40	51	63	65	67	59	59	56	71
	Outlet	46	54	55	52	57	59	55	48	64
	Emitted	40	44	50	44	45	41	41	41	54
5	Inlet	34	49	60	60	61	53	55	51	66
	Outlet	38	53	52	49	54	55	52	45	61
	Emitted	34	42	48	39	39	35	37	36	50
6	Inlet	33	51	60	60	60	54	56	52	66
	Outlet	36	52	53	48	54	55	52	47	61
	Emitted	33	43	47	38	38	36	39	37	50
7	Inlet	34	48	57	60	61	53	53	48	65
	Outlet	39	51	50	47	52	54	50	41	59
	Emitted	34	41	46	41	41	37	38	33	50
8	Inlet	30	46	54	56	56	49	49	43	61
	Outlet	35	50	48	45	49	51	47	38	57
	Emitted	30	39	43	37	36	33	34	28	46
9	Inlet	26	47	53	53	53	47	47	41	59
	Outlet	34	50	48	45	48	50	43	36	56
	Emitted	26	39	41	34	33	30	31	26	44

DIMENSIONS [mm]



Type	A	B	C	ØD	E	F	G	H
CAB 125 B	316	420	386	125	210	163	433	412
CAB 150 B	334	447	386	150	224	174	517	441
CAB 160 B	334	447	386	160	224	174	517	441
CAB 200 B	375	510	468	200	255	193	570	494
CAB 250 B	395	553	505	250	277	204	608	535

ACCESSORY ASSEMBLY



1	2	3				
Type	channel filter DF	channel filter DF-K				
		cartridge filter to DF-K				EU9
		EU3	EU5	EU7		
CAB 125 B	40520620	40521715	40520800	40520805	40520810	40520820
CAB 150 B	-	-	40520800	40520805	40520810	40520820
CAB 160 B	40520630	40521720	40520800	40520805	40520810	40520820
CAB 200 B	40520640	40521725	40520800	40520805	40520810	40520820
CAB 250 B	40520650	40521730	40520800	40520805	40520810	40520820

1	4	5	6		7	8
Type	backdraft shutter CAR-PL	anti-vibration connector ACOP PL	flexible silencer AKU COMP		throttle IRIS	vent KWO
			0,6m	1,2m		
CAB 125 B	40521020-01	40521815	40521520	40521620	19527125	40522530
CAB 150 B	40521029-01	40521818	-	-	-	-
CAB 160 B	40521030-01	40521820	40521530	40521630	19527160	40522540
CAB 200 B	40521040-01	40521825	40521540	40521640	19527200	40522550
CAB 250 B	40521050-01	40521830	40521550	40521650	19527250	40522560

channel filter DF p. 243	channel filter DFK...+EU p. 244	backdraft shutter CAR-PL p. 247	anti-vibration 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
CAB 125 B	40025345	40025330	40025140	40025150	40025010	40025020	40025025
CAB 150 B	40025345	40025330	40025140	40025150	40025010	40025020	40025025
CAB 160 B	40025345	40025330	40025140	40025150	40025010	40025020	40025025
CAB 200 B	40025345	40025330	40025140	40025150	40025010	40025020	40025025
CAB 250 B	40025345	40025330	40025140	40025150	40025030	40025040	40025025

Type	11-speed thyristor controller	2-adjustable 6-speed thyristor controller	ERV	transformer regulator	transformer regulator 2-adjustable	
	IRF	RND-1		RMB	SC2	SC2A
CAB 125 B	40015154	40025630	40025046	40025060	40025250	40025251
CAB 150 B	40015154	40025630	40025046	40025060	40025250	40025251
CAB 160 B	40015154	40025630	40025046	40025060	40025250	40025251
CAB 200 B	40015154	40025630	40025046	40025060	40025250	40025251
CAB 250 B	40015154	40025630	40025046	40025060	40025250	40025251



ERP CHARACTERISTICS

		NRVU*				
	Name	CAB 125 B	CAB 150 B	CAB 160 B	CAB 200 B	CAB 250 B
a	supplier name	VENTURE INDUSTRIES / SOLER&PALAU	VENTURE INDUSTRIES / SOLER&PALAU	VENTURE INDUSTRIES / SOLER&PALAU	VENTURE INDUSTRIES / SOLER&PALAU	VENTURE INDUSTRIES / SOLER&PALAU
b	article number	41020406	41020408	41020411	41020421	41020431
c	device category	NRVU	NRVU	NRVU	NRVU	NRVU
c	device type	UVU	UVU	UVU	UVU	UVU
d	type of drive	VSD	VSD	VSD	VSD	VSD
e	type of heat recovery system	not applicable	not applicable	not applicable	not applicable	not applicable
f	thermal efficiency of heat recovery [%]	not applicable	not applicable	not applicable	not applicable	not applicable
g	reference flow rate in NRVU [m³/s]	0,06	0,06	0,06	0,13	0,18
h	electric power input [kW]	0,06	0,06	0,06	0,15	0,22
i	SFP _{int} [W/(m³/s)]	not applicable	not applicable	not applicable	not applicable	not applicable
j	face velocity [m/s]	0,8	0,76	0,81	1,19	1,31
k	Δps, ext [Pa]	214	200	205	349	416
l	Δps, int [Pa]	not applicable	not applicable	not applicable	not applicable	not applicable
m	Δps, add [Pa]	not applicable	not applicable	not applicable	not applicable	not applicable
n	static efficiency of fans [%]	28,8	28,8	28,8	42,8	44,9
o	maximum external leakage rate [%]	3	3	3	3	3
p	maximum internal leakage rate [%]	not applicable	not applicable	not applicable	not applicable	not applicable
q	energy performance	not applicable	not applicable	not applicable	not applicable	not applicable
r	visual filter warning	not applicable	not applicable	not applicable	not applicable	not applicable
s	L _{wa} [dB(A)]	50	51	51	54	55
	internet address	www.ventur.eu www.solerpalau.com	www.ventur.eu www.solerpalau.com	www.ventur.eu www.solerpalau.com	www.ventur.eu www.solerpalau.com	www.ventur.eu www.solerpalau.com

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