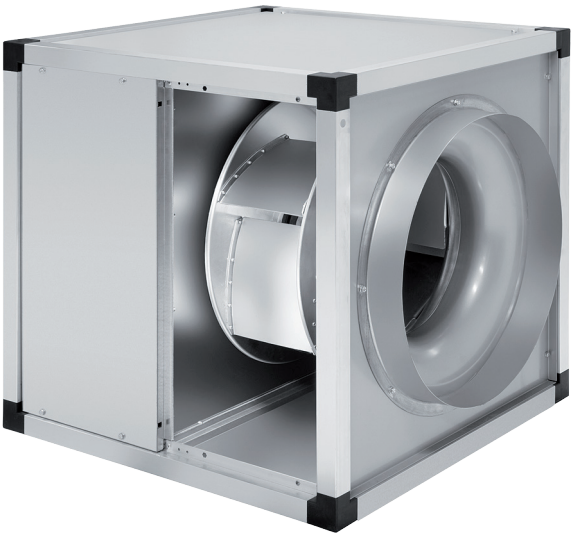
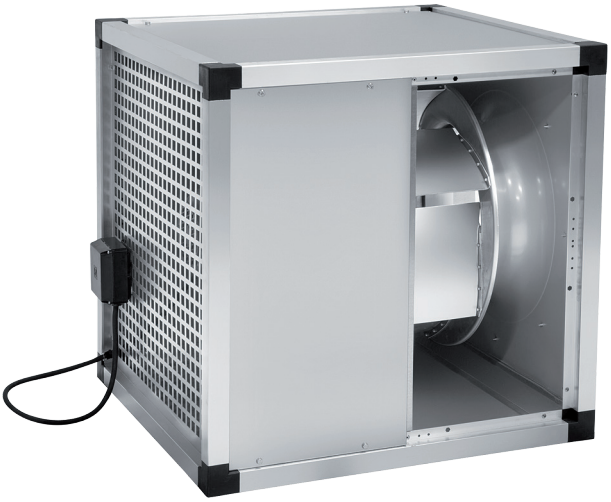




APPLICATION

KABB/KABT fans are ideal for ventilation of public buildings, offices, restaurants and storage rooms because of low levels of noise.

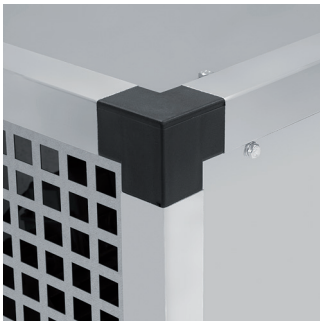
CONSTRUCTION

Radial fan designed for installation in circular ducts Ø315 - Ø560.
The fan casing is made of galvanized sheet steel and is equipped with 25mm double-sided fiberglass fire-retardant sound insulation. Capable of operation between -20°C and 100°C. Impeller with backward curved blades. Fan equipped with galvanized drip tray and copper drain.

MOTOR

KABT - 230/400V 50Hz three-phase AC motor with IP55 installed outside the air stream. Motor adapted for inverter control.
Operating temperature for three-phase motors from 20°C up to +100°C.

Centrifugal impeller with backward curved blades.
Protection against dirt setting.
Dynamically balanced.



Durability.
High quality plastic corners and aluminium profile provide excellent durability.

IP55. Junction box.
Easy installation and connection to external controls.

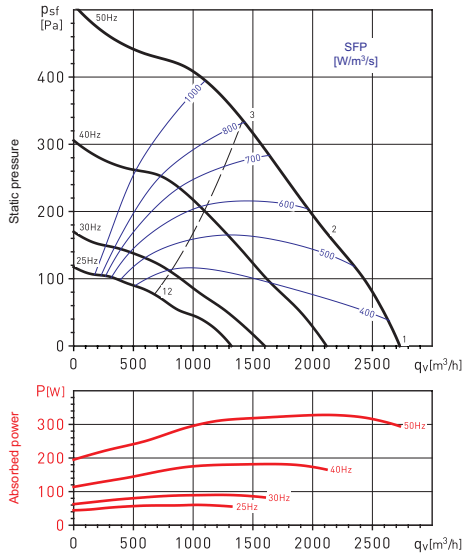
TECHNICAL CHARACTERISTICS

Type	speed	maximum absorbed power	maximum absorbed current		airflow at free discharge	sound pressure level*			weight	regulator	ErP	article number
						inlet	emitted	outlet				
	[r.p.m.]	[W]	[A]		[m³/h]	[dB(A)]			[kg]			
KABT/4-3000/315	1430	327	1,2	0,7	2750	60	54	61	14	inverter 0,4kW	2018	41023100
KABT/4-4000/355	1450	561	2,1	1,2	4000	63	55	65	21	inverter 0,4kW	2018	41023200
KABT/4-6000/450	1495	1094	4,2	2,4	6120	67	55	71	32	inverter 1,5kW	2018	41023300
KABT/4-9000/500	1430	2022	6,1	3,5	8840	76	62	77	46	inverter 1,5 kW	2018	41023400
KABT/4-12000/560	1460	2673		5	11400	71	59	75	58	inverter 2,2 kW	2018	41023410

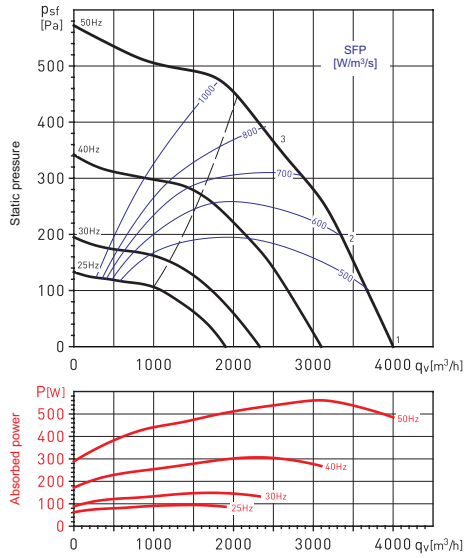
* Measured at a distance of 1,5m from the fan at maximum efficiency.

PERFORMANCE CURVES AND ACOUSTIC CHARACTERISTICS

KABT/4-3000/315



KABT/4-4000/355

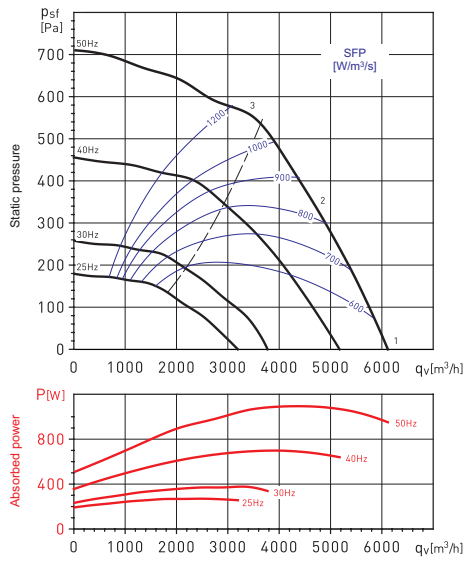


230V - 50Hz		63	125	250	500	1000	2000	4000	8000	L_{WA}
1	Emitted	40	69	54	55	56	52	51	47	70
	Inlet	47	71	67	68	67	67	62	58	76
	Outlet	47	71	69	71	71	70	64	59	78
2	Emitted	39	68	54	54	55	50	48	42	69
	Inlet	46	70	67	67	66	65	59	53	75
	Outlet	47	69	68	71	69	65	60	53	76
3	Emitted	41	64	53	54	55	49	47	43	65
	Inlet	48	66	66	67	66	64	58	54	73
	Outlet	49	68	68	70	68	64	58	52	75

230V - 50Hz		63	125	250	500	1000	2000	4000	8000	L_{WA}
1	Emitted	45	69	59	59	64	60	58	57	72
	Inlet	48	76	69	70	72	70	66	65	80
	Outlet	49	79	71	74	74	73	69	66	82
2	Emitted	41	66	58	58	63	58	56	53	69
	Inlet	44	73	68	69	71	68	64	61	78
	Outlet	45	75	69	72	72	70	65	60	79
3	Emitted	41	60	56	56	61	56	53	49	66
	Inlet	44	67	66	67	69	66	61	57	74
	Outlet	45	74	69	70	70	67	62	57	78

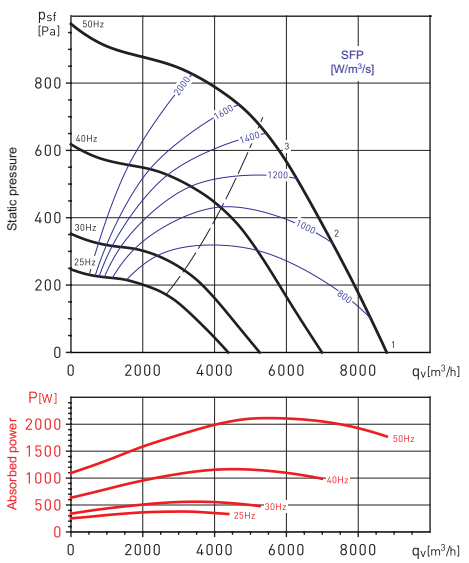
PERFORMANCE CURVES AND ACOUSTIC CHARACTERISTICS

KABT/4-6000/450



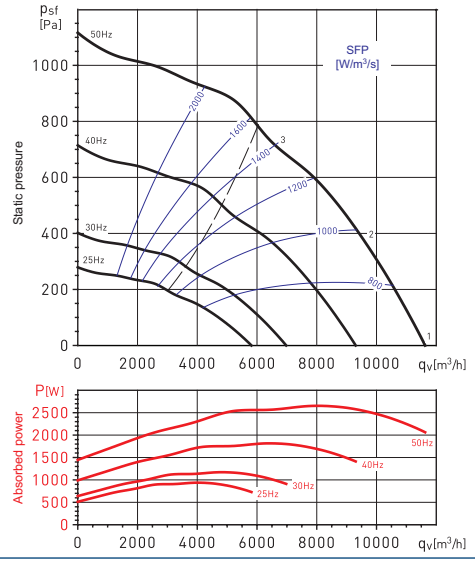
230V - 50Hz		63	125	250	500	1000	2000	4000	8000	L_{wA}
1	Emitted	46	61	62	67	65	61	58	50	71
	Inlet	52	74	74	76	76	78	76	68	83
	Outlet	65	80	78	82	82	79	77	70	88
2	Emitted	45	57	62	65	63	59	54	47	69
	Inlet	51	70	74	74	74	76	72	65	82
	Outlet	50	77	76	80	81	77	74	67	86
3	Emitted	50	60	63	67	64	58	53	48	70
	Inlet	56	73	75	76	75	75	71	66	82
	Outlet	54	80	77	81	80	76	71	65	86

KABT/4-9000/500



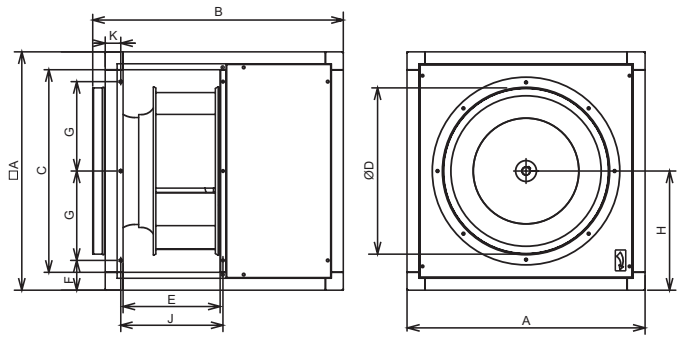
230V - 50Hz		63	125	250	500	1000	2000	4000	8000	L_{wA}
1	Emitted	53	76	67	64	71	66	64	61	78
	Inlet	56	86	81	81	87	85	81	82	92
	Outlet	56	89	82	84	91	88	81	78	95
2	Emitted	51	75	66	63	66	62	63	59	77
	Inlet	54	85	80	80	82	81	80	80	90
	Outlet	54	87	80	82	84	82	79	76	91
3	Emitted	52	75	69	62	65	61	62	56	77
	Inlet	55	85	83	79	81	80	79	77	90
	Outlet	55	87	80	81	81	79	77	73	90

KABT/4-12000/560



230V - 50Hz		63	125	250	500	1000	2000	4000	8000	L_{wA}
1	Emitted	56	70	68	65	68	67	67	59	76
	Inlet	60	78	81	80	81	82	81	72	89
	Outlet	60	85	83	84	85	84	83	73	92
2	Emitted	55	68	66	64	66	64	60	53	73
	Inlet	59	76	79	79	79	79	74	66	86
	Outlet	59	82	80	83	83	81	77	69	89
3	Emitted	54	68	66	63	65	61	57	54	72
	Inlet	58	76	79	78	78	76	71	67	85
	Outlet	60	78	80	82	81	78	73	68	87

DIMENSIONS [mm]



Type	A	B	C	D	E	F	G	H	J	K
KABT/4-3000/315	505	547	405	315	240	100	152,5	253	225,5	40
KABT/4-4000/355	550	592	450	355	230	100	175	275	248	40,5
KABT/4-6000/450	630	675	530	450	248	100	215	315	269	40
KABT/4-9000/500	710	753	590	500	276	100	255	355	293	51,5
KABT/4-12000/560	800	844	680	560	326	100	300	400	343,5	51,5

ELECTRICAL ACCESSORIES

Type	wall thermostat	duct thermostat	air quality sensor	humidistat	thyristor controller		
	TS	TK-1	SQA	HIG-2	REB N	REB NE	TLR
KABT/4-3000/315	40025345 + contactor	40025330 + contactor	40025140 + contactor	40025150 + contactor	-	-	-
KABT/4-4000/355	40025345 + contactor	40025330 + contactor	40025140 + contactor	40025150 + contactor	-	-	-
KABT/4-6000/450	40025345 + contactor	40025330 + contactor	40025140 + contactor	40025150 + contactor	-	-	-
KABT/4-9000/500	40025345 + contactor	40025330 + contactor	40025140 + contactor	40025150 + contactor	-	-	-
KABT/4-12000/560	40025345 + contactor	40025330 + contactor	40025140 + contactor	40025150 + contactor	-	-	-

Type	11-speed thyristor regulator	2-adjustable 6-speed thyristor regulator	ERV	transformer regulator		transformer regulator 2-adjustable		inverter
	IRF	RND-1		RMB	RVS	SC2	SC2A	
KABT/4-3000/315	-	-	-	-	-	-	-	40016302
KABT/4-4000/355	-	-	-	-	-	-	-	40016302
KABT/4-6000/450	-	-	-	-	-	-	-	40016322
KABT/4-9000/500	-	-	-	-	-	-	-	40016322
KABT/4-12000/560	-	-	-	-	-	-	-	40016332

thermostat **TS** p. 650

thermostat **TK-1** p. 650

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

inverter p. 643

ERP CHARACTERISTICS

		NRVU*				
	Name	KABT/4-3000/315	KABT/4-4000/355	KABT/4-6000/450	KABT/4-9000/500	KABT/4-12000/560
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	41023100	41023200	41023300	41023400	41023500
c	device category	NRVU	NRVU	NRVU	NRVU	NRVU
c	device type	UVU	UVU	UVU	UVU	UVU
d	type of drive	variable speed drive	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	not applicable
f	thermal efficiency of heat recovery [%]	not applicable	not applicable	not applicable	not applicable	not applicable
g	reference flow rate in NRVU [m^3/s]	0,39	0,57	0,91	1,48	1,68
h	electric power input [kW]	0,32	0,52	1,33	2,11	2,57
i	SFP_{int} [$W/(m^3/s)$]	0,806	0,907	NA	1,424	1,534
j	face velocity [m/s]	4	4,7	6	7,9	7,3
k	Δps, ext [Pa]	335,4	447,9	692	697,3	788,3
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 [%]	46	46,7	52,1	57,9	54,8
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)]	65	66	71	77	72
	internet address	venture.eu solerpalau.com	venture.eu solerpalau.com	venture.eu solerpalau.com	venture.eu solerpalau.com	venture.eu solerpalau.com