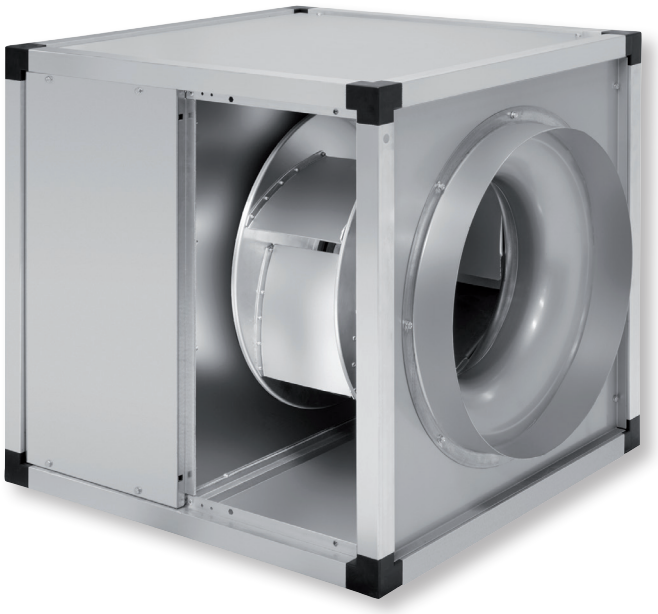


Cabinet fans manufactured from galvanised steel sheet with double thickness side panels lined with 17 mm thickness of fireproof fibreglass acoustic insulation (M0). Circular duct connection flange on the inlet.
KABB / KABT incorporates direct driven aluminium backward curved centrifugal impeller with motor fitted outside of the air stream.
Supplied with galvanized drip tray and copper drain.

Motors

- KABB: Single-phase 4 pole motor 230V-50Hz, IP55, class F, with thermal protection, speed controllable by tension.

Maximum temperature around the motor:
KABB/4-3000/315: 70ºC
KABB/4-4000/355: 50ºC
KABB/4-6000/450: 40ºC

- From KABT/4-3000/315 to KABT/4-9000/500:
  Three-phase 4 pole motor 230/400V-50Hz, IP55, Class F, with thermal protection, speed controllable by inverter.
- KABT/4-12000/560:
  Three-phase 4 pole motor 400V-50Hz, IP55, Class F, with thermal protection, speed controllable by inverter.

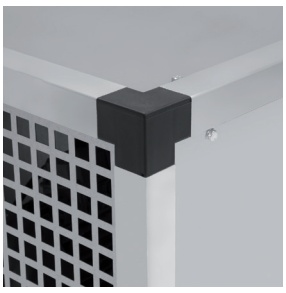
Additional information
Working temperature from -20ºC to 100ºC.

Specific applications

Continuous


Industrial kitchens

Backward curved centrifugal impellers
To prevent accumulation of dirtiness. Dynamically balanced.



Robustness
Quality finished plastic corners and aluminium profile, providing a great robustness.

IP55 remote terminal box
To ease installation and connection to external controls.

TECHNICAL CHARACTERISTICS

Before installation check that the product electrical characteristics listed on the data plate label (voltage, power, frequency, etc.) match those of the intended electrical supply.

Model	Speed (RPM)	Maximum power absorbed (W)	Maximum current absorbed (A)	Maximum air volume (m^3/h)	Sound pressure level* (dB(A))			Weight (kg)	Speed controller	
					Inlet	Rad.	Outlet		RMB	REV
KABB/4-3000/315	1370	305	1,6	2.470	59	53	60	33	RMB-3,5	REV-3
KABB/4-4000/355	1385	487	2,0	3.790	62	54	64	40	RMB-3,5	REV-3
KABB/4-6000/450	1400	932	3,9	5.780	65	53	70	58	RMB-8	REV-5

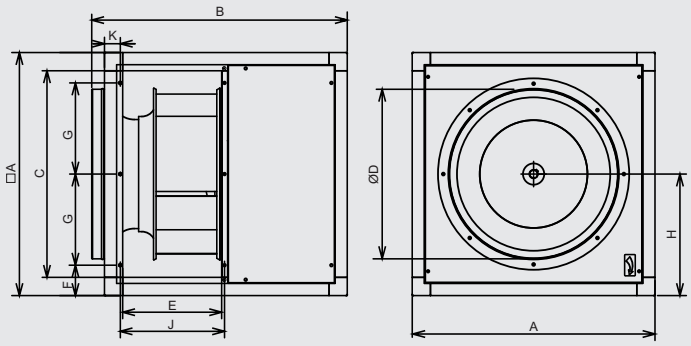
* Sound pressure level measured at 1,5m, in free field condition, at the medium point of the performance curve

Model	Speed (RPM)	Maximum power absorbed (W)	Maximum current absorbed (A)		Maximum air volume (m^3/h)	Sound pressure level* (dB(A))			Weight (kg)	Variable frecuency inverter Main supply	
			(230V)	(400V)		Inlet	Rad.	Outlet		1/230V/50Hz**	3/400V/50Hz
KABT/4-3000/315	1430	327	1,2	0,7	2.750	60	54	61	33	VFTM MONO 0,18	VFTM TRI 0,37
KABT/4-4000/355	1450	561	2,1	1,2	4.000	63	55	65	40	VFTM MONO 0,37	VFTM TRI 0,37
KABT/4-6000/450	1495	1094	4,2	2,4	6.120	67	55	71	58	VFTM MONO 1,1	VFTM TRI 1,5
KABT/4-9000/500	1430	2022	6,1	3,5	8.840	76	62	77	75	VFTM MONO 1,5	VFTM TRI 1,5
KABT/4-12000/560	1460	2673		5	11.400	71	59	75	120		VFTM TRI 2,2

* Sound pressure level measured at 1,5m, in free field condition, at the medium point of the performance curve

** Only with 230/400V motor

DIMENSIONS (mm)

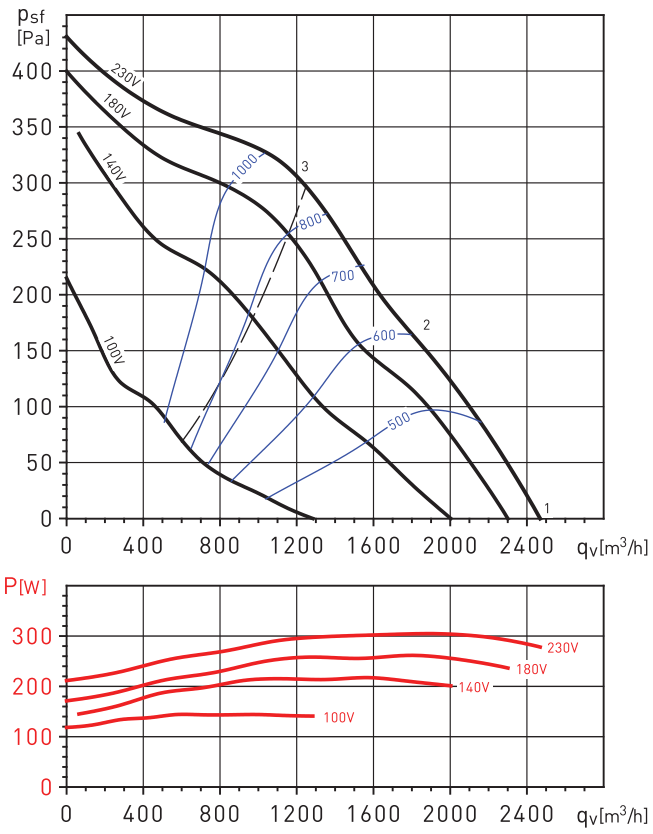


Model	A	B	C	D	E	F	G	H	J	K
KABB/4-3000/315	505	547	405	315	204	100	152,5	253	225,5	40
KABB/4-4000/355	550	592	450	355	230	100	175	275	248	40,5
KABB/4-6000/450	630	675	530	450	248	100	215	315	269	40
KABT/4-3000/315	505	547	405	315	240	100	152,5	253	225,5	40
KABT/4-4000/355	550	592	450	355	230	100	175	275	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

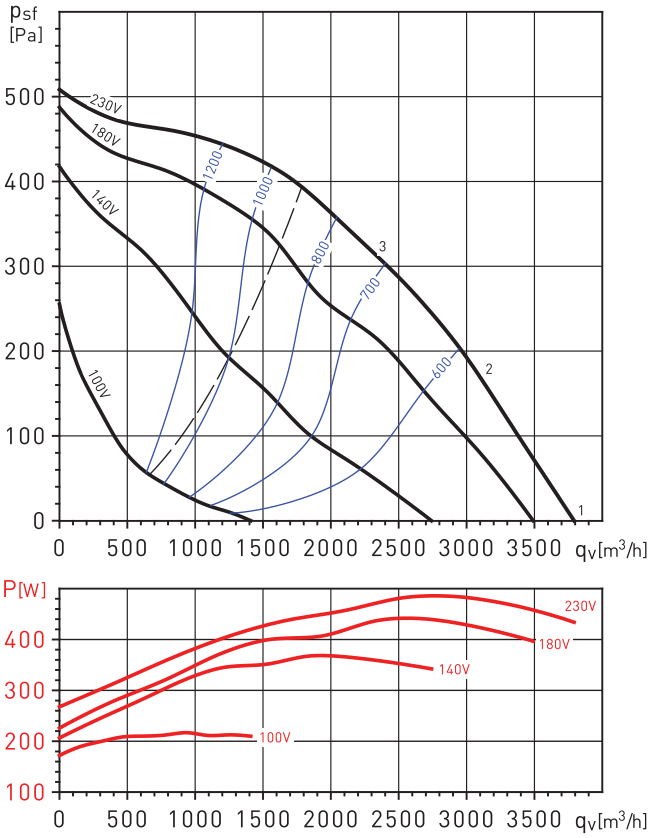
PERFORMANCE CURVES

- q_v: Airflow in m^3/h and m^3/s.
- p_{sf}: Static pressure in Pa.
- LwA: Radiated sound power level in dB(A), fan ducted.
- Dry air at 20ºC and 760 mmHg.
- Performance data in accordance with ISO 5801 and AMCA 210-99 Standards.

KABB/4-3000/315



KABB/4-4000/355



Sound power spectrum: The sound levels shown in these tables are sound power levels at the discharge, radiated and inlet, in dB(A) for frequency ranges at 3 points of the curve: (a) free discharge, (b) medium pressure, (c) maximum pressure.

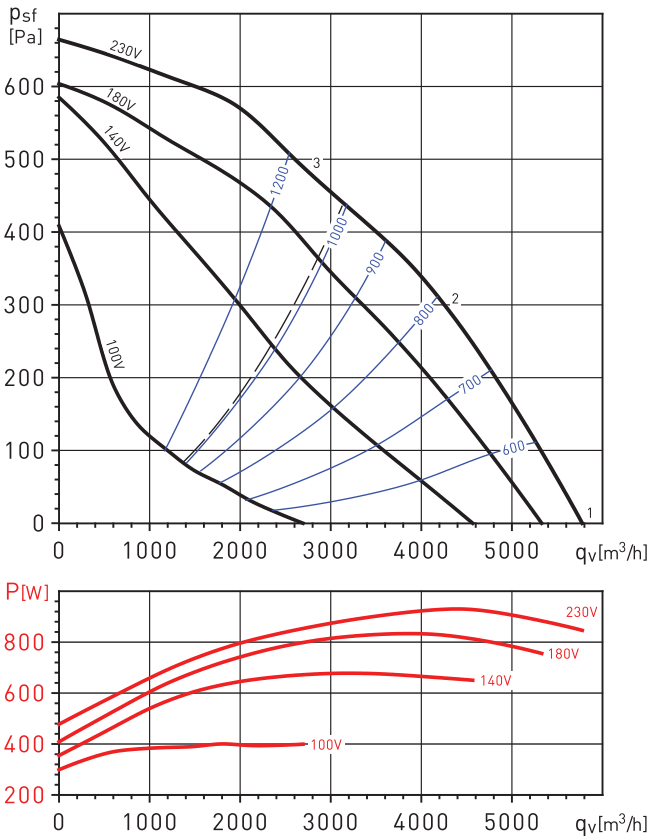
230V - 50Hz		63	125	250	500	1.000	2.000	4.000	8.000	LwA
1	Radiated	39	68	53	54	55	51	50	46	69
	Inlet	46	70	66	67	66	66	61	57	75
	Outlet	46	70	68	70	70	69	63	58	77
2	Radiated	38	67	53	53	54	49	47	41	68
	Inlet	45	69	66	66	65	64	58	52	73
	Outlet	46	68	67	70	68	64	59	52	75
3	Radiated	40	63	52	53	54	48	46	42	64
	Inlet	47	65	65	66	65	63	57	53	72
	Outlet	48	67	67	69	67	63	57	51	74

230V - 50Hz		63	125	250	500	1.000	2.000	4.000	8.000	LwA
1	Radiated	44	68	58	58	63	59	57	56	70
	Inlet	47	75	68	69	71	69	65	64	78
	Outlet	48	78	70	73	73	72	68	65	81
2	Radiated	40	65	57	57	62	57	55	52	68
	Inlet	43	72	67	68	70	67	63	60	76
	Outlet	44	74	68	71	71	69	64	59	78
3	Radiated	40	59	55	55	60	55	52	48	64
	Inlet	43	66	65	66	68	65	60	56	73
	Outlet	44	73	68	69	69	66	61	56	77

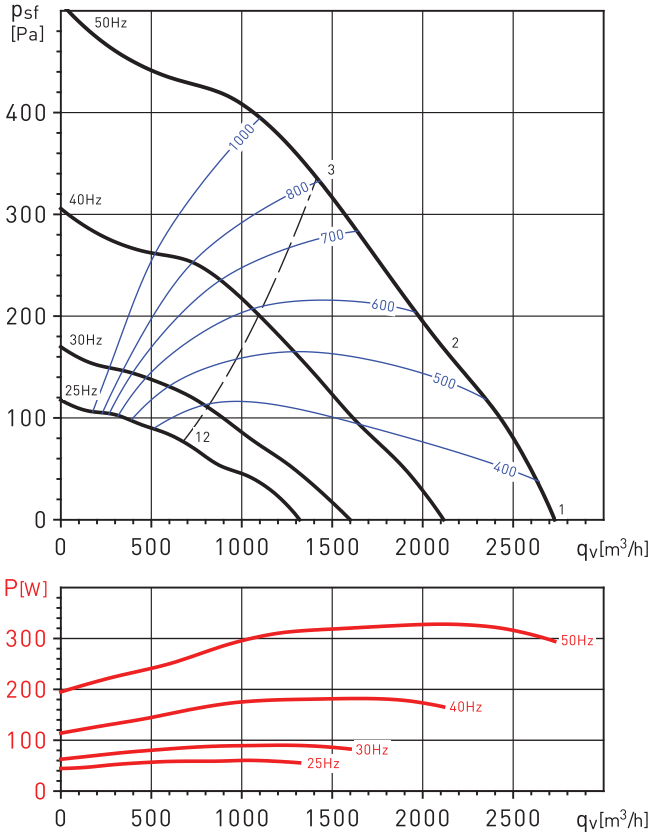
PERFORMANCE CURVES

- q_v: Airflow in m^3/h and m^3/s.
- p_{sf}: Static pressure in Pa.
- LwA: Radiated sound power level in dB(A), fan ducted.
- Dry air at 20ºC and 760 mmHg.
- Performance data in accordance with ISO 5801 and AMCA 210-99 Standards.

KABB/4-6000/450



KABT/4-3000/315



Sound power spectrum: The sound levels shown in these tables are sound power levels at the discharge, radiated and inlet, in dB(A) for frequency ranges at 3 points of the curve: (a) free discharge, (b) medium pressure, (c) maximum pressure.

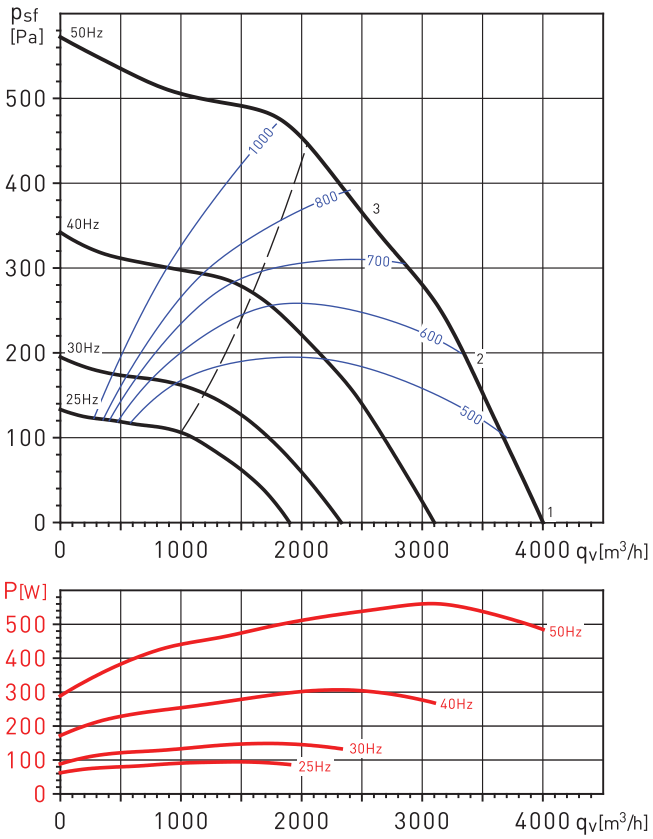
230V - 50Hz		63	125	250	500	1.000	2.000	4.000	8.000	LwA
1	Radiated	44	59	60	65	63	59	56	48	69
	Inlet	50	72	72	74	74	76	74	66	82
	Outlet	63	78	76	80	80	77	75	68	86
2	Radiated	43	55	60	63	61	57	52	45	67
	Inlet	49	68	72	72	72	74	70	63	80
	Outlet	48	75	74	78	79	75	72	65	84
3	Radiated	48	58	61	65	62	56	51	46	69
	Inlet	54	71	73	74	73	73	69	64	80
	Outlet	52	78	75	79	78	74	69	63	84

400V- 50Hz		63	125	250	500	1.000	2.000	4.000	8.000	LwA
1	Radiated	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	Radiated	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	Radiated	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

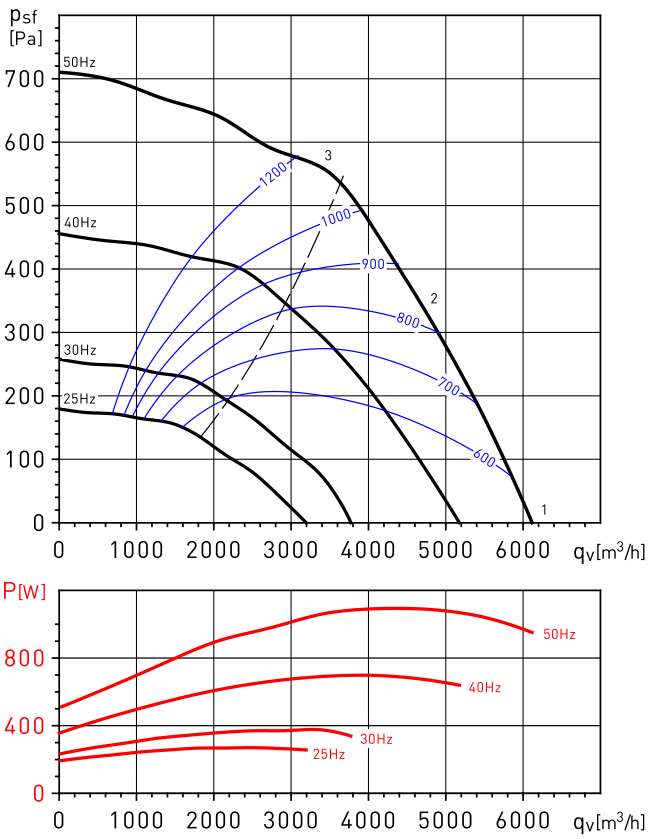
PERFORMANCE CURVES

- q_v: Airflow in m^3/h and m^3/s.
- p_{sf}: Static pressure in Pa.
- LwA: Radiated sound power level in dB(A), fan ducted.
- Dry air at 20ºC and 760 mmHg.
- Performance data in accordance with ISO 5801 and AMCA 210-99 Standards.

KABT/4-4000/355



KABT/4-6000/450



Sound power spectrum: The sound levels shown in these tables are sound power levels at the discharge, radiated and inlet, in dB(A) for frequency ranges at 3 points of the curve: (a) free discharge, (b) medium pressure, (c) maximum pressure.

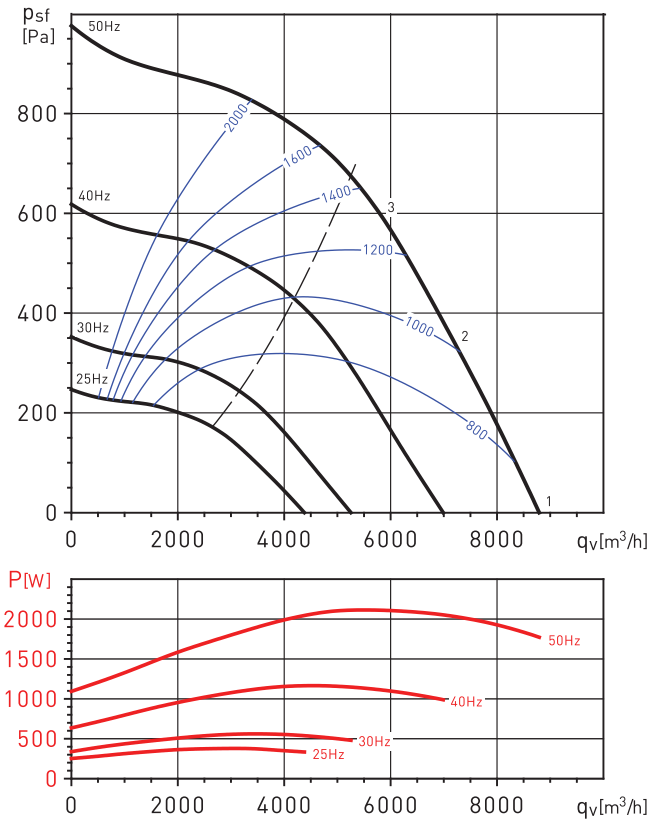
400V- 50Hz		63	125	250	500	1.000	2.000	4.000	8.000	LwA
1	Radiated	45	69	59	59	64	60	58	57	72
	Inlet	48	76	69	70	72	70	66	65	80
	Outlet	49	79	71	74	74	73	69	66	82
2	Radiated	41	66	58	58	63	58	56	53	69
	Inlet	44	73	68	69	71	68	64	61	78
	Outlet	45	75	69	72	72	70	65	60	79
3	Radiated	41	60	56	56	61	56	53	49	66
	Inlet	44	67	66	67	69	66	61	57	74
	Outlet	45	74	69	70	70	67	62	57	78

400V- 50Hz		63	125	250	500	1.000	2.000	4.000	8.000	LwA
1	Radiated	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	Radiated	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	Radiated	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

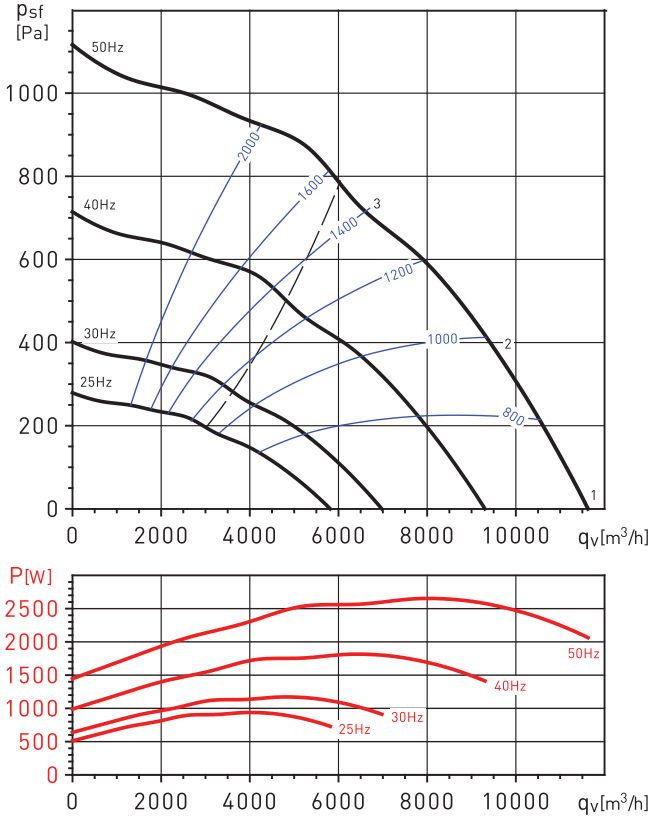
PERFORMANCE CURVES

- q_v: Airflow in m^3/h and m^3/s.
- p_{sf}: Static pressure in Pa.
- LwA: Radiated sound power level in dB(A), fan ducted.
- Dry air at 20ºC and 760 mmHg.
- Performance data in accordance with ISO 5801 and AMCA 210-99 Standards.

KABT/4-9000/500



KABT/4-12000/560



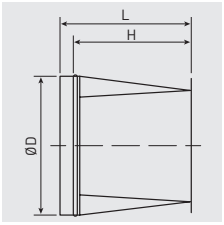
Sound power spectrum: The sound levels shown in these tables are sound power levels at the discharge, radiated and inlet, in dB(A) for frequency ranges at 3 points of the curve: (a) free discharge, (b) medium pressure, (c) maximum pressure.

400V- 50Hz		63	125	250	500	1.000	2.000	4.000	8.000	LwA
1	Radiated	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	Radiated	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	Radiated	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

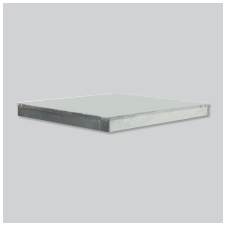
400V- 50Hz		63	125	250	500	1.000	2.000	4.000	8.000	LwA
1	Radiated	56	70	68	65	68	67	67	59	76
	Inlet	60	78	81	80	81	82	81	72	89
	Outlet	60	85	83	84	85	84	83	73	92
2	Radiated	55	68	66	64	66	64	60	53	73
	Inlet	59	76	79	79	79	79	74	66	86
	Outlet	59	82	80	83	83	81	77	69	89
3	Radiated	54	68	66	63	65	61	57	54	72
	Inlet	58	76	79	78	78	76	71	67	85
	Outlet	60	78	80	82	81	78	73	68	87

MOUNTING ACCESSORIES

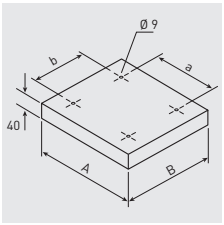
USD-N
Circular coupling flange
To fit to the outlet.



Model	Ø D	L	H
USD-3000 N	315	450	400
USD-4000 N	355	450	400
USD-6000 N	450	450	400
USD-9000 N	500	450	400
USD-12000 N	560	450	400

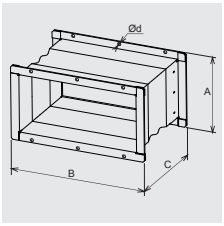


CTI KABT
Outdoor cover
For outdoor installations.



Model	A	B	a	b
CTI KABT-3000 N	535	535	305	420,7
CTI KABT-4000 N	580	580	350	465,5
CTI KABT-6000 N	660	660	430	545,5
CTI KABT-9000 N	740	740	510	605,5
CTI KABT-12000 N	830	830	600	695,5

ACOP RECT KABT
Rectangular elastic coupling
To fit to the outlet.
Avoids transmission of vibrations.



Model	A	B	C	d
ACOP RECT KABT-3000 N	242	441	143	9
ACOP RECT KABT-4000 N	265	486	143	9
ACOP RECT KABT-6000 N	285	566	143	9
ACOP RECT KABT-9000 N	312	626	143	9
ACOP RECT KABT-12000 N	362	716	143	9

KSE
Vibration damping supports
Rubber vibration damping supports that reduce vibrations and attenuate the noise of the installation.
(1 KSE = 4 supports in a bag).

ACOPEL F400 N
Circular flexible connector.
Certified F400-120.

Model	Flexible connector
KABB-KABT/4-3000/315	ACOPEL F400-315/160N
KABB-KABT/4-4000/355	ACOPEL F400-355/160N
KABB-KABT/4-6000/450	ACOPEL F400-450/160N
KABT/4-9000/500	ACOPEL F400-500/160N
KABT/4-12000/560	ACOPEL F400-500/160N

ELECTRICAL ACCESSORIES

VFTM
Adjustable frequency drives.

RMB
Single-phase speed controller by auto-transformer IP65.

REV
Single-phase speed controller by auto-transformer IP44
Terminals for motor thermal protection (PTO).