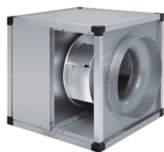




KABB/KABT

5148519000 - KABT/4-9000/500 1,5KW 230/400V - ACOUSTIC CABINET FANS



Cabinet fans manufactured from galvanised steel sheet with double thickness side panels internally lined with 25 mm thickness of fireproof fibreglass acoustic insulation (M0). Circular duct connection flange on the inlet. KABT incorporates direct drive backward curved centrifugal impeller with motor fitted outside of the air stream, suitable for air stream temperature up to 100°C. Three phase motor IP55, F. Motors 4 pole. Electrical supply: Three phase motor 230/400V-50Hz, speed controllable by inverter. Three-phase motor 400V-50Hz, speed controllable by inverter. Working temperature from -20°C to 100°C. Trade S&P model KABT/4-9000/500 1,5KW 230/400V for a airflow 1.596 l/s and static pressure 598 Pa.

5148519000 - KABT/4-9000/500 1,5KW 230/400V

Project: Camden Market (Kitchen Extract Fans) (rev. 1 (2)) - Reference: HEAVY

Theoretical Working Point

Airflow	1.530 l/s
Static Pressure	550 Pa
Temperature	20 °C
Altitude	0 m
Density	1,2 kg/m ³
Frequency	50 Hz
Voltage	3-230/400V-50Hz

Working Point

Airflow	1.596 l/s
Static Pressure	598 Pa
Dynamic pressure	57 Pa
Total Pressure	655 Pa
Efficiency	62
Input power	2,02 kW
Tot efficiency	62,3 %
Shaft power	1,68 kW
St Efficiency	56,9 %
Outlet speed	9,7 m/s
Fan speed	1413 rpm
Specific Fan Power	1,27 W/l/s
Specific Fan Power reg	1,19 W/l/s

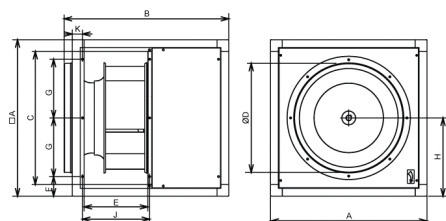
Construction

Discharge diameter	500 mm
Fan size	500
Weight	69,00 kg

Motor Characteristics

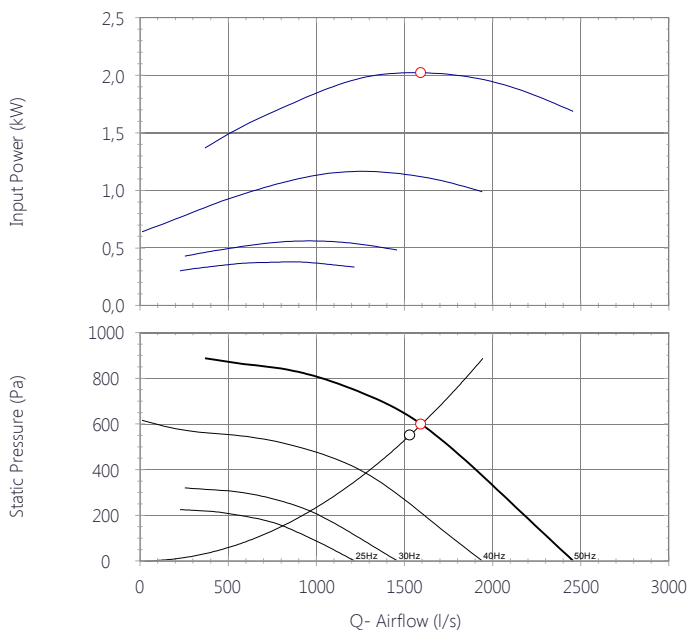
Number of poles	4
Motor Power	1,5 kW
Voltage	3-230/400V-50Hz
Maximum absorbed current	5,7 A / 3,3 A
IP Rating	IP55
Motor insulation class	F

Drawing



710	753	590	500	276	100	255	355	293	51.5
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Performance Chart



Sound Performance

	63	125	250	500	1k	2k	4k	8k	Overall
Inlet (LwA)	54	85	80	80	82	81	80	80	90
Inlet LpA @ 3m	33	64	60	59	61	60	59	59	69
Outlet (LwA)	54	87	80	82	84	82	79	76	91
Outlet LpA @ 3m	33	66	59	61	63	61	58	55	71
Breakout (LwA)	51	75	66	63	66	62	63	59	77
Breakout LpA @ 3m	30	54	46	42	45	41	42	38	56





KABB/KABT

5148519000 - KABT/4-9000/500 1,5KW 230/400V - ACOUSTIC CABINET FANS

Project: Camden Market (Kitchen Extract Fans) (rev. 1 (2)) - Reference: HEAVY

ErP Data

Ecodesign	
Commission regulation (EU) N°1253/2014 of July 2014	
Information requirements (Annex V)	
Product description	KABT/4-9000/500 1,5kW 230/400V
Manufacturer's Info	S&P ES-08150 CIF-B64911928
Identifier	-
Typology	NRVU unidirectional
Drive	VSD
Type of HRC	None
Thermal efficiency (%)	NA
Qnom (m3/s)	1,46
Pelec (kW)	2,02
SFPint (W/m3/s)	NA
Face velocity (m/s)	7,33
$\Delta p_{s,ext}$ (Pa)	664,6
$\Delta p_{s,int}$ (Pa)	NA
$\Delta p_{s,add}$ (Pa)	NA
Static efficiency fans (%)	57,9
External leakage rate (%)	3
Internal leakage rate (%)	NA
Filter performance	NA
Filter warning	NA
LWA dB(A)	77
https://www.solerpalau.com/	

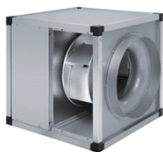
Warnings

Motor absorbed current may vary slightly depending on motor installed



KABB/KABT

5148519000 - KABT/4-9000/500 1,5KW 230/400V - ACOUSTIC CABINET FANS



Cabinet fans manufactured from galvanised steel sheet with double thickness side panels internally lined with 25 mm thickness of fireproof fibreglass acoustic insulation (M0). Circular duct connection flange on the inlet. KABT incorporates direct drive backward curved centrifugal impeller with motor fitted outside of the air stream, suitable for air stream temperature up to 100°C. Three phase motor IP55, F. Motors 4 pole. Electrical supply: Three phase motor 230/400V-50Hz, speed controllable by inverter. Three-phase motor 400V-50Hz, speed controllable by inverter. Working temperature from -20°C to 100°C. Trade S&P model KABT/4-9000/500 1,5KW 230/400V for a airflow 1.557 l/s and static pressure 618 Pa.

5148519000 - KABT/4-9000/500 1,5KW 230/400V

Project: Camden Market (Kitchen Extract Fans) (rev. 1 (2)) - Reference: MEDIUM

Theoretical Working Point

Airflow	1.400 l/s
Static Pressure	500 Pa
Temperature	20 °C
Altitude	0 m
Density	1,2 kg/m ³
Frequency	50 Hz
Voltage	3-230/400V-50Hz

Working Point

Airflow	1.557 l/s
Static Pressure	618 Pa
Dynamic pressure	54 Pa
Total Pressure	673 Pa
Efficiency	62
Input power	2,02 kW
Tot efficiency	62,4 %
Shaft power	1,68 kW
St Efficiency	57,4 %
Outlet speed	9,5 m/s
Fan speed	1413 rpm
Specific Fan Power	1,30 W/l/s
Specific Fan Power reg	1,11 W/l/s

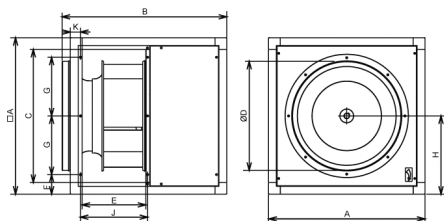
Construction

Discharge diameter	500 mm
Fan size	500
Weight	69,00 kg

Motor Characteristics

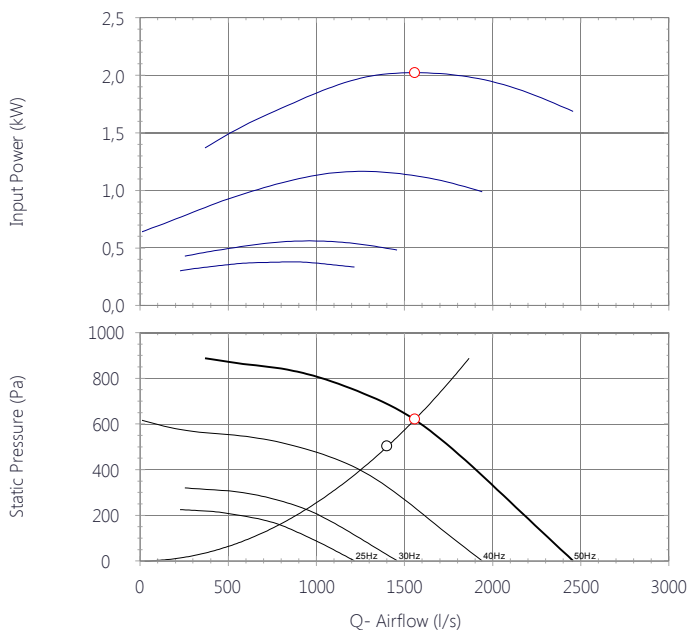
Number of poles	4
Motor Power	1,5 kW
Voltage	3-230/400V-50Hz
Maximum absorbed current	5,7 A / 3,3 A
IP Rating	IP55
Motor insulation class	F

Drawing



710	753	590	500	276	100	255	355	293	51.5
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Performance Chart



Sound Performance

	63	125	250	500	1k	2k	4k	8k	Overall
Inlet (LwA)	54	85	80	80	82	81	80	80	90
Inlet LpA @ 3m	34	64	60	59	61	60	59	59	69
Outlet (LwA)	54	87	80	82	84	82	79	76	91
Outlet LpA @ 3m	34	66	59	61	63	61	58	55	70
Breakout (LwA)	51	75	66	63	66	62	63	59	77
Breakout LpA @ 3m	31	54	46	42	45	41	42	38	56





KABB/KABT

5148519000 - KABT/4-9000/500 1,5KW 230/400V - ACOUSTIC CABINET FANS

Project: Camden Market (Kitchen Extract Fans) (rev. 1 (2)) - Reference: MEDIUM

ErP Data

Ecodesign	
Commission regulation (EU) N°1253/2014 of July 2014	
Information requirements (Annex V)	
Product description	KABT/4-9000/500 1,5kW 230/400V
Manufacturer's Info	S&P ES-08150 CIF-B64911928
Identifier	-
Typology	NRVU unidirectional
Drive	VSD
Type of HRC	None
Thermal efficiency (%)	NA
Qnom (m3/s)	1,46
Pelec (kW)	2,02
SFPint (W/m3/s)	NA
Face velocity (m/s)	7,33
$\Delta p_{s,ext}$ (Pa)	664,6
$\Delta p_{s,int}$ (Pa)	NA
$\Delta p_{s,add}$ (Pa)	NA
Static efficiency fans (%)	57,9
External leakage rate (%)	3
Internal leakage rate (%)	NA
Filter performance	NA
Filter warning	NA
LWA dB(A)	77
https://www.solerpalau.com/	

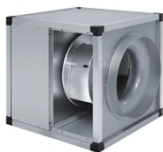
Warnings

Motor absorbed current may vary slightly depending on motor installed



KABB/KABT

5148518800 - KABT/4-4000/355 0,5KW 230/400V VE - ACOUSTIC CABINET FANS



Cabinet fans manufactured from galvanised steel sheet with double thickness side panels internally lined with 25 mm thickness of fireproof fibreglass acoustic insulation (M0). Circular duct connection flange on the inlet. KABT incorporates direct drive backward curved centrifugal impeller with motor fitted outside of the air stream, suitable for air stream temperature up to 100°C. Three phase motor IP55, F. Motors 4 pole. Electrical supply: Three phase motor 230/400V-50Hz, speed controllable by inverter. Three-phase motor 400V-50Hz, speed controllable by inverter. Working temperature from -20°C to 100°C. Trade S&P model KABT/4-4000/355 0,5KW 230/400V VE for a airflow 700 l/s and static pressure 359 Pa.

5148518800 - KABT/4-4000/355 0,5KW 230/400V VE

Project: Camden Market (Kitchen Extract Fans) (rev. 1 (2)) - Reference: LIGHT

Theoretical Working Point

Airflow	640 l/s
Static Pressure	300 Pa
Temperature	20 °C
Altitude	0 m
Density	1,2 kg/m ³
Frequency	50 Hz
Voltage	3-230/400V-50Hz

Working Point

Airflow	700 l/s
Static Pressure	359 Pa
Dynamic pressure	27,5 Pa
Total Pressure	387 Pa
Efficiency	71
Input power	0,538 kW
Tot efficiency	70,9 %
Shaft power	0,382 kW
St Efficiency	65,8 %
Outlet speed	6,8 m/s
Fan speed	1440 rpm
Specific Fan Power	0,77 W/l/s
Specific Fan Power reg	0,67 W/l/s

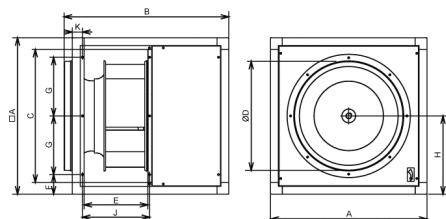
Construction

Discharge diameter	355 mm
Fan size	355
Weight	44,00 kg

Motor Characteristics

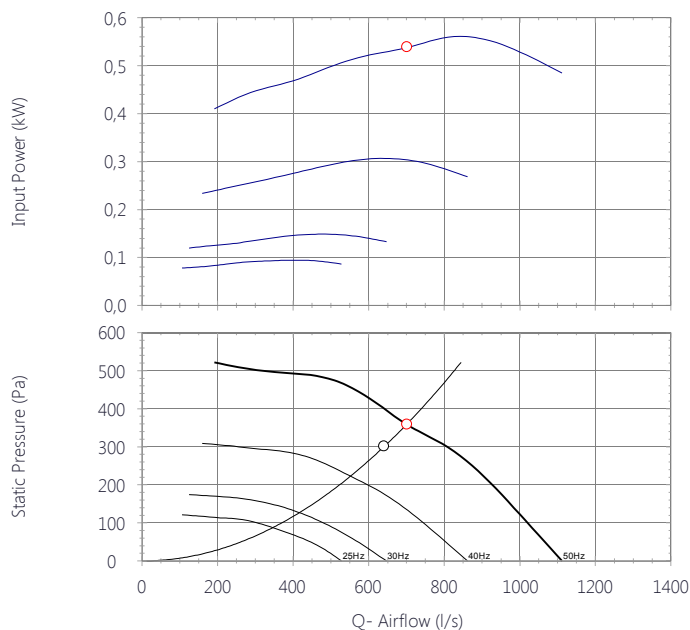
Number of poles	4
Motor Power	0,55 kW
Voltage	3-230/400V-50Hz
Maximum absorbed current	2,5 A / 1,4 A
IP Rating	IP55
Motor insulation class	F

Drawing



550	592	450	355	230	100	175	275	248	40.5
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Performance Chart



Sound Performance

	63	125	250	500	1k	2k	4k	8k	Overall
Inlet (LwA)	44	73	68	69	71	68	64	61	77
Inlet LpA @ 3m	23	52	47	48	50	47	43	40	57
Outlet (LwA)	45	75	69	72	72	70	65	60	79
Outlet LpA @ 3m	24	54	48	51	51	49	44	39	59
Breakout (LwA)	41	66	58	58	63	58	56	53	69
Breakout LpA @ 3m	20	45	37	37	42	37	35	32	49





KABB/KABT

5148518800 - KABT/4-4000/355 0,5KW 230/400V VE - ACOUSTIC CABINET FANS

Project: Camden Market (Kitchen Extract Fans) (rev. 1 (2)) - Reference: LIGHT

ErP Data

Ecodesign	
Commission regulation (EU) N°1253/2014 of July 2014	
Information requirements (Annex V)	
Product description	KABT/4-4000/355 0,5KW 230/400V VE
Manufacturer's Info	S&P ES-08150 CIF-B64911928
Identifier	-
Typology	NRVU unidirectional
Drive	VSD
Type of HRC	None
Thermal efficiency (%)	NA
Qnom (m3/s)	0,57
Pelec (kW)	0,52
SFPint (W/m3/s)	NA
Face velocity (m/s)	4,7
$\Delta p_{s,ext}$ (Pa)	447,9
$\Delta p_{s,int}$ (Pa)	NA
$\Delta p_{s,add}$ (Pa)	NA
Static efficiency fans (%)	46,7
External leakage rate (%)	3
Internal leakage rate (%)	NA
Filter performance	NA
Filter warning	NA
LWA dB(A)	66
https://www.solerpalau.com/	

Warnings

Motor absorbed current may vary slightly depending on motor installed