- Independent acoustic testing to BS EN ISO 3744:2010
- Low noise to help meet acoustic requirements, including BB93
- Wide range of models for ceiling void, plantroom and weatherproof options
- Fully optimised low energy EC fans suitable for auto duty share configuration
- Low SFPs to achieve L2 building regulations
- High quality case construction to BS EN 1886
- Fitted BlueSense intelligent controls for simple installation
- **D** BIM files available



Colourfan® Twin Extract Acoustic part of a complete range of innovative, flexible products from the HVAC experts





Colourfan Twin Extract Acoustic

Colourfan is a range of small air handling ventilation units from VES, including supply, extract and twin extract, designed around a single product platform, with unique and innovative benefits across the range. Installation and maintenance is simplified through quick change "Plug & Play" connections or pre-wired fitted controls.

The Colourfan Twin Acoustic is suitable for many installations including schools, offices, libraries, hotels and retail establishments. Designed to fit any application, the units have been independently acoustically tested to BS EN ISO 3744:2010.



Colourfan Twin Extract Acoustic performance **Transfer of the colour factor of the colour fa

Colourfan *Twin Extract Acoustic*Features and benefits

Optimum performance

Our quietest extract air handling unit, meeting regulations and maximising performance.

Energy saving packages combine intelligent controls technology, products and services.

Simple installation and maintenance

Simple connection and pre-installed features save on site costs and reduce lead times. Carefully designed maintenance features minimise downtime and total cost of ownership.

Versatile options

Versatile location, handing and access options meet the widest range of project requirements.

Robust construction

Excellent build quality ensures minimal noise breakout, low SFPs and airtight performance



Energy Saving

Intelligent controls enhance performance whilst saving energy and money.



Energy efficient

Energy efficient units with low SFPs to help achieve L2 Building Regulations. Units are fully tested to BS EN ISO 5801:2017 (airside performance) and BS EN ISO 3744:2010 (acoustic performance).



Noise reduction

Our quickest extract air handling unit has been independently tested to BS EN ISO 3744:2010 and can help meet acoustic requirements for sensitive applications including BB93; Building Bulletin 93 - School Acoustics.



High performance fans

Backward curve EC fans offering maximum efficiency, minimum energy consumption, fully controllavle and ErP2015 compliant.



Complete ventilation package

VES offer the expertise, products and services to provide a complete ventilation package including heat recovery unit, integrated controls and site assistance, providing peace of mind through reliable products and expert knowledge.



Easy connections

Rectangular spigot connections are fitted with a flange, avoiding the need for additional accessories.



Pre-wired isolator

The unit is pre-wired to an isolator package to reduce on site wiring.



Plug & Play fans

Fan motor assembly is internally anti-vibration isolated and fitted with a quick charge plug connector for easy maintenance.



Duty share

The CPF twin controls provide automatic changeover upon fan failure to ensure continuous extract ventilation, including a time dependent duty share function.



Multi access

Plantroom units suitable for top or bottom access to fans, left or right access to conrols. External units are top access only.



Adjustable mounting feet

Weatherproof units size 0-3 are supplied with adjustable feet for uneven surfaces and sizes 4-10 are supplied on channel bases. Plantroom units can be supplied with optional feet.



Versatile handings

Handings can be left or right hand side to suit site and/or installation requirements.



Section joins

External joining brackets for silencer connections for simple installation of unit and silencer



Excellent construction

Double skinned cases available in plantroom or weatherproof. All units constructed to BS EN 1886, with 50mm aluminium tubular frame and galvanised sheet steel panels, with high density resin bonded mineral wool slab infill.



Powdercoat options

External units are powder coated Signal Grey to RAL 7004 as standard, with many other colours available.

BlueSense energy saving package



Colourfan Twin Extract Acoustic unit with integral controls



EC fan with full control



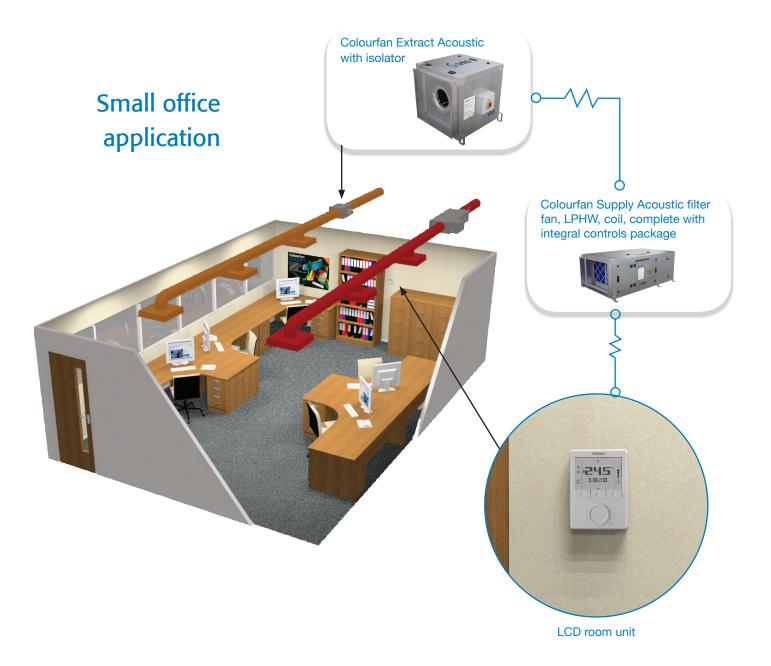
Sensor options



The sign of energy saving products, services and expertise

Supply, extract or twin extract working together

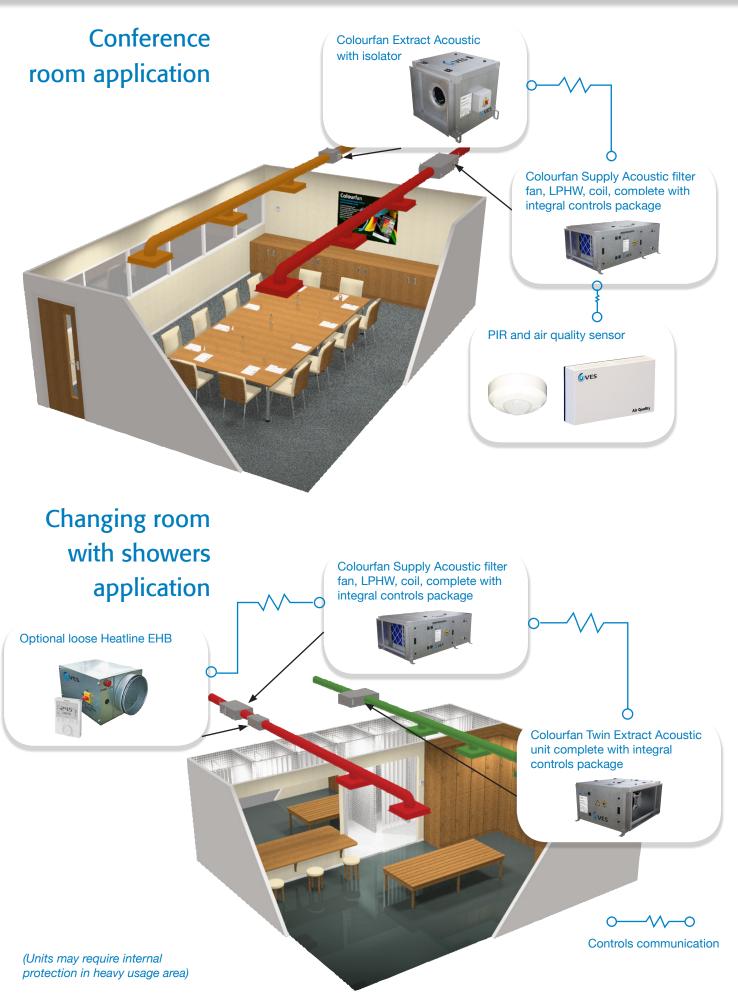
The Colourfan Supply Acoustic unit integrated controls can work seamlessly with any Colourfan Extract Acoustic or Colourfan Twin Extract Acoustic unit. This provides fully protected motor and control signals that can be wired directly to the isolator on the Extract Acoustic or Twin Acoustic unit, reducing the need for any other control requirements and easing site installations.





Colourfan BlueSense

All products in the Colourfan range can form part of the BlueSense energy saving commitment. By specifying a BlueSense package you are ensuring your Supply Acoustic, Extract Acoustic or Twin Acoustic unit is optimised with a pre-wired controls package, energy efficient speed controller and air quality sensor, all programmed to work in unison, reducing energy consumption and saving money.

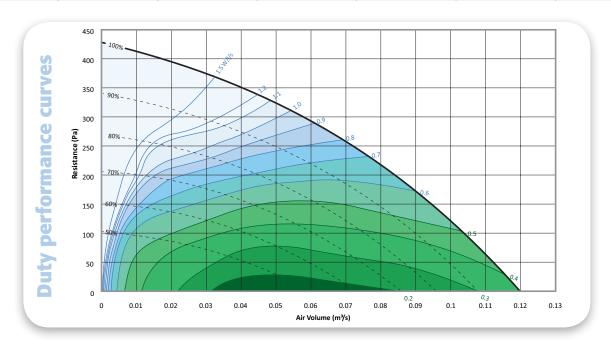


Selection data

Unit size 0 CAT0051-1

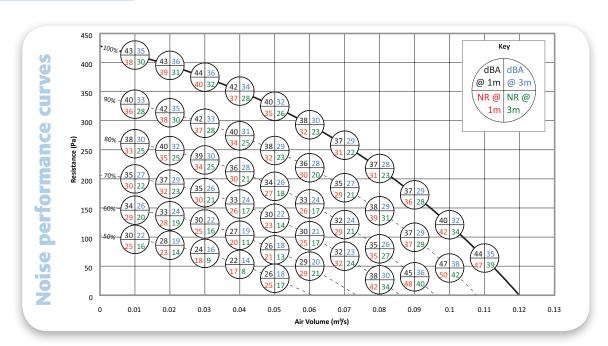
Performance

Size	Phase	Motor Size	Voltage	Fan Speed	Motor Full Load Current	Speed Control
CAT0051-1	1 Phase	0.043 kW	230 VAC	4501 rpm	0.32 A	EC



 $\frac{\text{SFP}}{\text{\tiny Watts/litres/}} = \frac{\text{Electrical input power (Watts)}}{\text{Air volume flow rate (litres/second)}}$

Notes: SFP figures quoted at voltages tested in accordance with BS EN ISO 5801:2017.

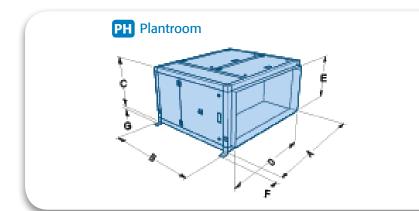


Unit configuration

Configuration and handling

CAT0051-1 / PH WH / EE / LT RB / ISC







Unit type			Dime	ensions	(mm)			Weight (kg)	Configuration options			
	Α	В	С	D	Е	F	G		LT	LB	RT	RB
CAT0 Plantroom extract	735	700	340	635	240	50	25	65	✓	✓	✓	✓
CAT0 Weatherproof extract	735	700	365	635	240	50	25	70	✓		✓	

Controls

CAT0051-1 / PH / EE / LT / ISC

LB

Unit type	Integral to AHU	Loose panel
CAT0051-1	CPF0-1/P/C	CPf0-1/N/C

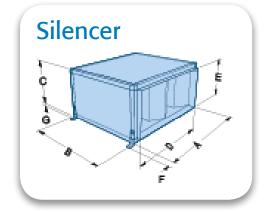
Noise and silencer data

	Fan speed	Sou	nd spec	trum dB	re 10 ⁻¹²	w PWL c	entre fre	equency	(Hz)	Casting noise breakdown				
Fan voltage	(RPM)	63	125	250	500	1k	2k	4k	8k	NR @ 1m	NR @ 3m	dBA @ 1m	dBA @ 3m	
100%	4501	66	53	47	48	38	41	54	47	47	39	43	35	
90%	4050	63	58	49	45	36	37	33	34	29	21	35	27	
80%	3500	61	56	47	42	33	34	30	30	26	17	33	24	
70%	3150	59	54	44	39	30	31	26	27	23	14	30	22	
60%	2700	56	51	42	36	27	28	23	24	20	11	27	19	
50%	2250	52	47	39	34	23	24	19	20	18	09	24	16	
Centre frequency							12	25	250	500	1k 2l	c 4k	8k	

Note: Independently acoustically tested to BS EN ISO 3744:2010.

Case insertion loss

Silencer option	Sound spectrum dB re 10 ⁻¹² w PWL centre frequency (Hz)									
CATVA0000/1200	63	125	250	500	1k	2k	4k	8k		
Induct loss	-6	-8	-12	-19	-28	-30	-24	-21		
Dimensions (mm)	A	В	С	D	E	F	G	Weight (kg)		
Plantroom CATVA0000/1200/STD	735	1300	340	635	240	50	25	75	5	



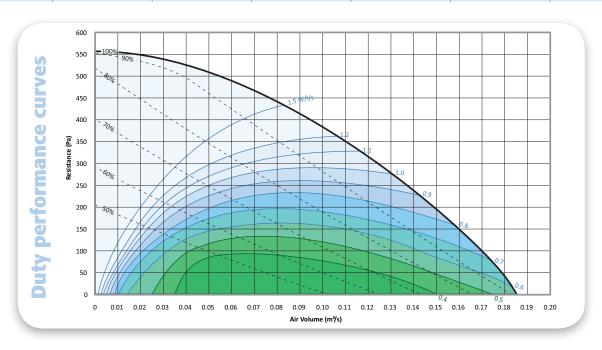
Note: The silencer will add a maximum of 2 Pa to the external resistance.

Selection data

Unit size 1 CAT0141-1

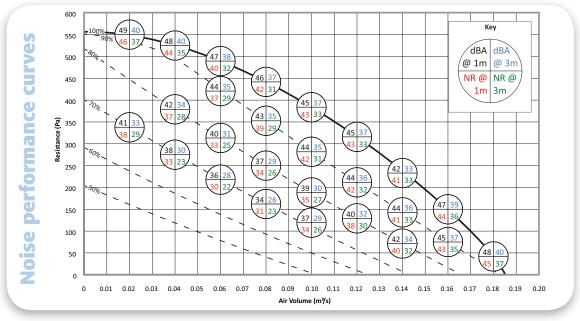
Performance

Size	Phase	Motor Size	Voltage	Fan Speed	Motor Full Load Current	Speed Control
CAT141-1	1 Phase	0.12 kW	230 VAC	3490 rpm	0.68 A	EC



SFP
Watts/litres/ second secon

Notes: SFP figures quoted at voltages tested in accordance with BS EN ISO 5801:2017.



Note: NR levels are dependent upon environmental conditions.

Tolerances:

On flow rates: +/_5%

On acoustic power and pressure: Levels: +/_3dB

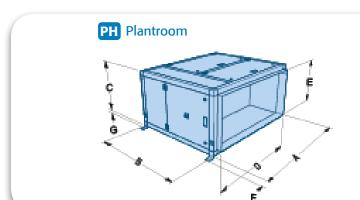
By octave band: +/_5dB

Unit configuration

Configuration and handling

CAT0141-1 / PH WH / EE / LT RB / ISC







Unit type		Dimensions (mm)					Weight (kg)	Configuration options				
	Α	В	С	D	E	F	G		LT	LB	RT	RB
CAT1 Plantroom extract	880	700	440	780	340	50	25	75	✓	✓	✓	✓
CAT1 Weatherproof extract	880	700	465	780	340	50	25	85	✓		✓	

Controls

CAT0141-1 / PH / EE / LT / ISC

VH

₹T CP

LB

Unit type	Integral to AHU	Loose panel
CAT0141-1	CPF0-1/P/C	CPf0-1/N/C

Noise and silencer data

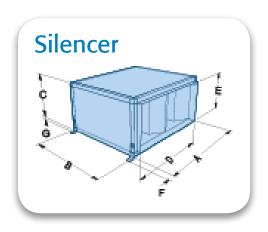
	Fan speed	Sou	Sound spectrum dB re 10 ⁻¹² w PWL centre frequency (Hz)								Casting noise breakdown				
Fan voltage	(RPM)	63	125	250	500	1k	2k	4k	8k	NR @ 1m	NR @ 3m	dBA @ 1m	dBA @ 3m		
100%	3490	80	66	63	57	50	55	51	52	46	38	49	41		
90%	3141	84	62	55	48	41	48	45	46	44	36	47	38		
80%	2792	65	60	50	42	35	43	41	38	34	26	37	29		
70%	2443	56	53	40	35	30	41	38	29	33	23	38	30		

Centre frequency	63	125	250	500	1k	2k	4k	8k
Case insertion loss	-3	-5	-14	-19	-26	-22	-22	-15

Note: Independently acoustically tested to BS EN ISO 3744:2010.

Silencer option	Sound spectrum dB re 10 ⁻¹² w PWL centre frequency (Hz)									
CATVA0100/1200	63	125	250	500	1k	2k	4k	8k		
Induct loss	-6	-8	-12	-19	-28	-30	-24	-21		
Dimensions (mm)	Α	В	С	D	E	F	G	Weight		
Plantroom CATVA0100/1200/STD	880	1300	440	780	340	50	25	90		
0711 0710 1007 12007 012										

Note: The silencer will add a maximum of 5 Pa to the external resistance.

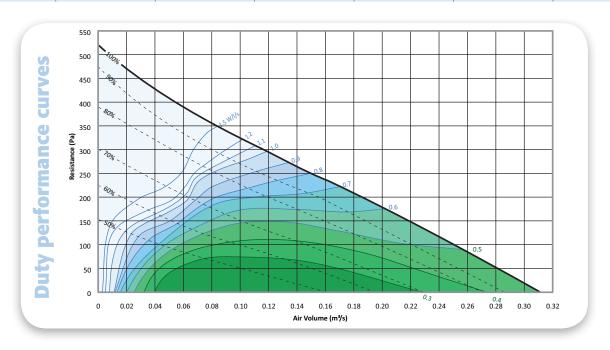


Selection data

Unit size 2 CAT0242-1

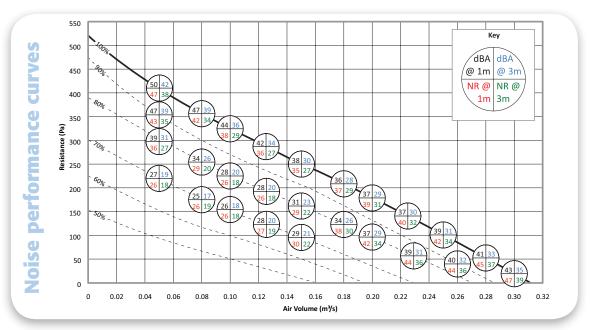
Performance

Size	Phase	Motor Size	Voltage	Fan Speed	Motor Full Load Current	Speed Control
CAT0242-1	1 Phase	0.14 kW	230 VAC	3240 rpm	0.78 A	EC



 $\frac{\mathsf{SFP}}{\mathsf{Watts/litres/}}_{\mathsf{second}} = \frac{\mathit{Electrical input power (Watts)}}{\mathit{Air volume flow rate (litres/second)}}$

Notes: SFP figures quoted at voltages tested in accordance with BS EN ISO 5801:2017.



Note: NR levels are dependent upon environmental conditions.

Tolerances:

On flow rates: +/_5%

On acoustic power and pressure: Levels: */_3dB

By octave band: +/_5dB

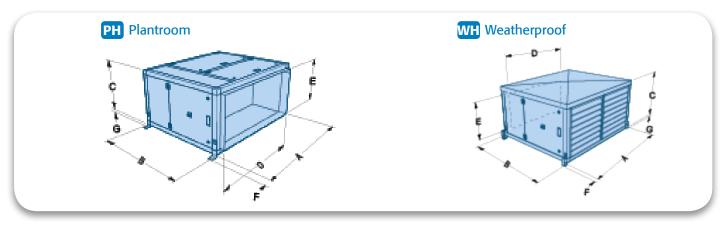
Unit configuration

Configuration and handling

CAT0242-1 / PH WH / EE / LT RB / ISC







Unit type		Dimensions (mm)						Weight (kg)	С	onfigurat	ion option	ıs
	Α	В	С	D	Е	F	G		LT	LB	RT	RB
CAT2 Plantroom extract	1010	750	500	910	400	50	25	90	✓	✓	✓	✓
CAT2 Weatherproof extract	1010	750	525	910	400	50	25	105	✓		✓	

Controls

CAT0242-1 / PH / EE / LT / ISC

LB

Unit type	Integral to AHU	Loose panel
CAT0242-1	CPF0-1/P/C	CPf0-1/N/C

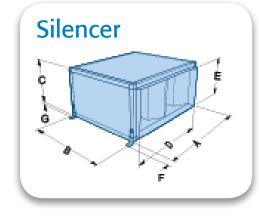
Noise and silencer data

	Fan speed	Sou	nd spec	trum dB	re 10 ⁻¹² v	w PWL c	entre fre	equency	(Hz)		Casting nois	e breakdown	1
Fan voltage	(RPM)	63	125	250	500	1k	2k	4k	8k	NR @ 1m	NR @ 3m	dBA @ 1m	dBA @ 3m
100%	3240	72	60	50	44	38	41	36	41	35	27	38	30
90%	2916	66	58	48	41	33	38	33	36	30	23	34	26
80%	2592	55	50	43	34	27	33	31	31	26	18	28	20
70%	2268	50	52	29	26	16	30	19	32	26	19	25	17

Centre frequency	63	125	250	500	1k	2k	4k	8k
Case insertion loss	-3	-5	-14	-19	-26	-22	-22	-15

Note: Independently acoustically tested to BS EN ISO 3744:2010.

Silencer option	Sound spectrum dB re 10 ⁻¹² w PWL centre frequency (Hz)										
CATVA0200/1200	63	125	250	500	1k	2k	4k	8k			
Induct loss	-6	-8	-12	-19	-28	-30	-24	-21			
Dimensions (mm)	Α	В	С	D	E	F	G	Weight			
Plantroom CATVA0200/1200/STD	1010	1300	500	910	400	50	25	10			



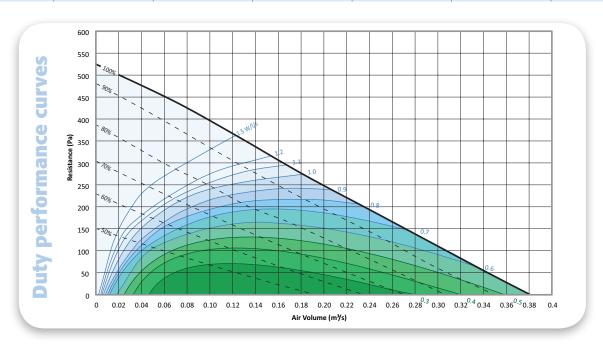
Note: The silencer will add a maximum of 3 Pa to the external resistance.

Selection data

Unit size 3 CAT0343-1

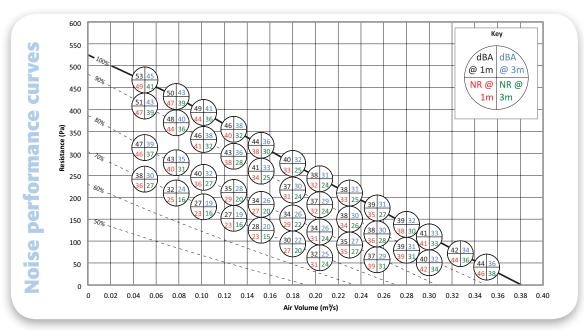
Performance

Size	Phase	Motor Size	Voltage	Fan Speed	Motor Full Load Current	Speed Control
CAT0343-1	1 Phase	0.23 kW	230 VAC	3290 rpm	1.2 A	EC



Electrical input power (Watts) Air volume flow rate (litres/second)

Notes: SFP figures quoted at voltages tested in accordance with BS EN ISO 5801:2017.



Note: NR levels are dependent upon environmental conditions.

Tolerances:

On flow rates: +/_5%

On acoustic power and pressure: Levels: */_3dB

Unit configuration

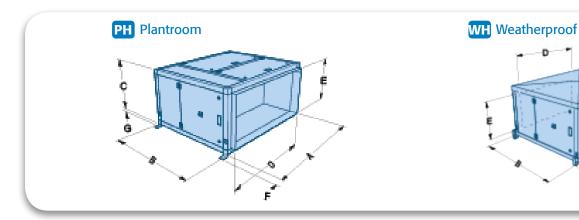
Configuration and handling

CAT0343-1 / PH WH / EE / LT RB / ISC









Unit type	Dimensions (mm)							Weight (kg)	C	onfigurat	ion optior	าร
	Α	В	С	D	E	F	G		LT	LB	RT	RB
CAT3 Plantroom extract	1020	850	550	920	450	50	25	100	✓	✓	✓	✓
CAT3 Weatherproof extract	1020	850	575	920	450	50	25	105	✓		✓	

Controls

CAT0343-1 / PH / EE / LT / ISC

LB

Unit type	Integral to AHU	Loose panel
CAT0343-1	CPF0-1/P/C	CPf0-1/N/C

Noise and silencer data

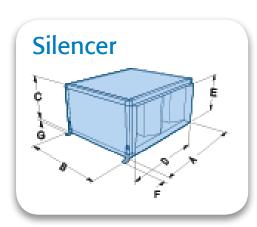
	Fan speed	Sou	nd spec	trum dB	re 10 ⁻¹² v	w PWL c	Casting noise breakdown						
Fan voltage	(RPM)	63	125	250	500	1k	2k	4k	8k	NR @ 1m	NR @ 3m	dBA @ 1m	dBA @ 3m
100%	3290	69	62	53	48	40	42	37	38	32	24	36	31
90%	2961	67	62	51	44	38	40	36	38	31	24	37	30
80%	2632	69	57	47	40	38	35	32	33	27	20	34	26
70%	2303	61	51	40	34	25	27	25	29	23	15	28	20

Centre frequency	63	125	250	500	1k	2k	4k	8k
Case insertion loss	-3	-5	-14	-19	-26	-22	-22	-15

Note: Independently acoustically tested to BS EN ISO 3744:2010.

Silencer option	Sou	nd spec	trum dB	re 10 ⁻¹² v	w PWL c	entre fre	quency	(Hz)
CATVA0300/1200	63	125	250	500	1k	2k	4k	8k
Induct loss	-6	-8	-12	-19	-28	-30	-24	-21
Dimensions (mm)	Α	В	С	D	E	F	G	Weight
Plantroom CATVA0300/1200/STD	1020	1300	550	920	450	50	25	115
Weatherproof	1020	1300	575	950	450	50	25	125



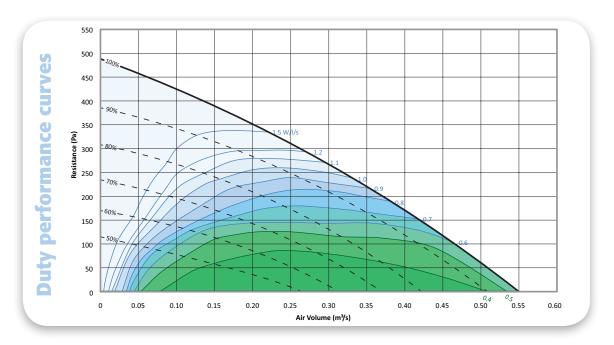


Selection data

Unit size 4 CAT0444-1

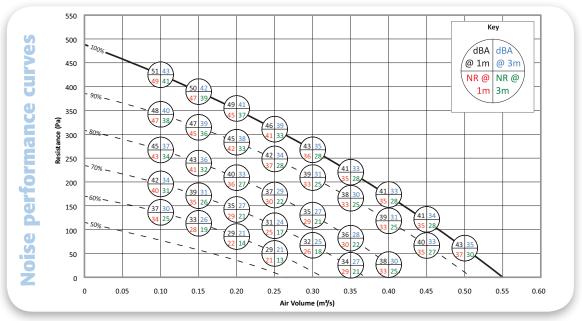
Performance

Size	Phase	Phase Motor Size		Fan Speed	Motor Full Load Current	Speed Control	
CAT0444-1	1 Phase	0.32 kW	230 VAC	2270 rpm	1.2 A	EC	



Electrical input power (Watts) Air volume flow rate (litres/second)

Notes: SFP figures quoted at voltages tested in accordance with BS EN ISO 5801:2017.



Note: NR levels are dependent upon environmental conditions.

Tolerances:

On flow rates: +/_5%

On acoustic power and pressure: Levels: */_3dB By octave band: */_5dB

Unit configuration

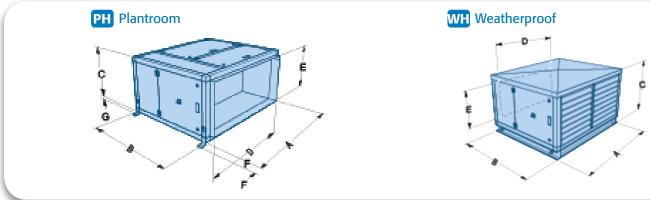
Configuration and handling

CAT0444-1 / PH WH / EE / LT RB / ISC









Unit type			Dime	ensions	(mm)			Weight (kg)	С	onfigurat	ion option	ıs
	Α	В	С	D	E	F	G		LT	LB	RT	RB
CAT4 Plantroom extract	1100	950	600	1000	500	50	25	120	✓	✓	✓	✓
CAT4 Weatherproof extract	1100	950	725	1000	500			150	✓		✓	

Controls

CAT0444-1 / PH / EE / LT / ISC

LB

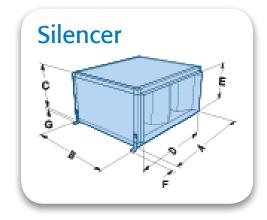
Unit type	Integral to AHU	Loose panel
CAT0444-1	CPF0-1/P/C	CPf0-1/N/C

Noise and silencer data

	Fan speed	Sou	nd spec	trum dB	re 10 ⁻¹² v	w PWL c	entre f	requen	cy (Hz)		Castin	g noise	breakdown	
Fan voltage	(RPM)	63	125	250	500	1k	2k	4k	8k	NR @ 1	m NR	2 3m	dBA @ 1m	dBA @ 3m
100%	2270	72	67	59	53	43	46	41	39	36	2	28	43	35
90%	2043	73	67	57	50	40	43	38	36	37	2	28	42	34
80%	1816	68	62	53	46	37	39	34	32	30	2	22	37	29
70%	1589	67	61	51	42	33	35	29	26	29	2	21	35	27
60%	1362	68	60	47	38	29	31	24	20	28	1	9	33	26
	Centre frequency							125	250	500	1k	2k	4k	8k
	Case insertion loss							-5	-14	-19	-26	-22	-22	-15

Note: Independently acoustically tested to BS EN ISO 3744:2010.

Silencer option	Sou	Sound spectrum dB re 10 ⁻¹² w PWL centre frequency (Hz)										
CATVA0400/1200	63	125	250	500	1k	2k	4k	8k				
Induct loss	-6	-8	-12	-19	-28	-30	-24	-21				
Dimensions (mm)	A	В	С	D	E	F	G	Weigh				
Plantroom CATVA0400/1200/STD	1100	1300	600	920	500	50	25	12				
Weatherproof	1100	1300	725	725	500			15				



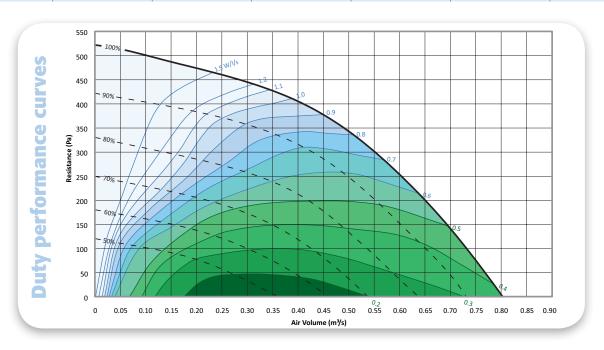
Note: The silencer will add a maximum of 8 Pa to the external resistance.

Selection data

Unit size 5 CAT0545-1

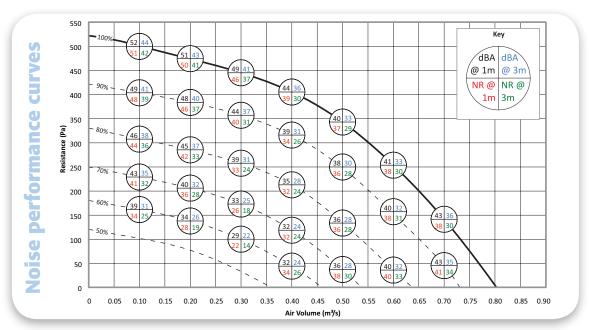
Performance

Size	Phase	Motor Size	Voltage	Fan Speed	Motor Full Load Current	Speed Control
CAT0545-1	1 Phase	0.4 kW	230 VAC	2010 rpm	1.5 A	EC



Electrical input power (Watts) Air volume flow rate (litres/second)

Notes: SFP figures quoted at voltages tested in accordance with BS EN ISO 5801:2017.



Note: NR levels are dependent upon environmental conditions.

Tolerances:

On flow rates: +/_5%

On acoustic power and pressure: Levels: */_3dB

Unit configuration

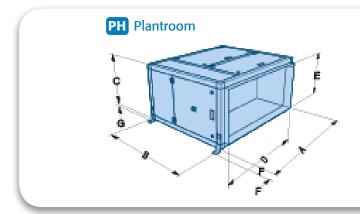
Configuration and handling

CAT0545-1 / PH WH / EE / LT RB / ISC











Unit type			D	imensi	ons (mn	n)	Weight (kg)	С	onfigurat	ion optior	ıs		
	Α	AA	В	С	D	Е	F	G		LT	LB	RT	RB
CAT5 Plantroom extract	1265		1050	650	1165	550	75	25	140	✓	✓	✓	✓
CAT5 Weatherproof extract	1265	1415	1050	825	1165	550			185	✓		✓	

Controls

CAT0545-1 / PH / EE / LT / ISC

LB

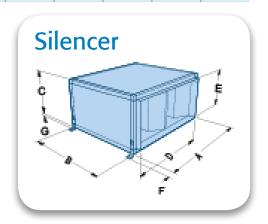
Unit type	Integral to AHU	Loose panel
CAT0545-1	CPF0-1/P/C	CPf0-1/N/C

Noise and silencer data

	Fan speed	Sou	ınd spec	trum dB	re 10 ⁻¹² v	w PWL c	entre	freque	ncy	(Hz)	Casting noise breakdown					
Fan voltage	(RPM)	63	1k	2k	4	k	8k	NR @ 1	m NR	2 3m		BA @ 1m	dBA @ 3m			
100%	2010	70	62	56	51	44	46	5 4	11	44	38	3	BO		41	33
90%	1809	68	61	52	48	40	43	3 3	88	42	36	2	28		38	30
80%	1608	66	59	49	45	36	40) 3	34	38	32	2	24		35	28
70%	1407	63	56	46	41	33	36	3	80	35	29	2	21		32	24
60%	1206	64	56	44	38	28	31	2	26	23	24	1	5		30	23
	Centre frequency							125		250	500	1k	2k		4k	8k
	Case insertion loss							-5		-14	-19	-26	-22	2	-22	-15

Note: Independently acoustically tested to BS EN ISO 3744:2010.

Silencer option	So	Sound spectrum dB re 10 ⁻¹² w PWL centre frequency (Hz)											
CATVA0500/1200	63	125	25	0	500	0	1k	2k	4k	8k			
Induct loss	-6	-8	-12	2	-19	9	-28	-30	-24	-21			
Dimensions (mm)	Α	AA	В	С	;	D	E	F	G	Weigh	t (
Plantroom CATVA0500/1200/STD	1265		1300	65	50	1165	550	75	25	14	.0		
Weatherproof CATVA0500/1200/W/STD	1265	1415	1300	82	.5	1165	550			18	30		



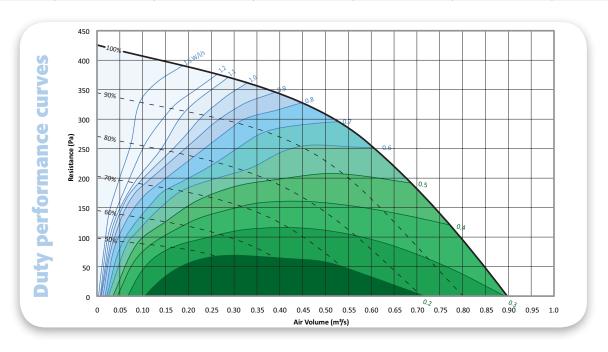
Note: The silencer will add a maximum of 11 Pa to the external resistance.

Selection data

Unit size 6 CAT0646-1

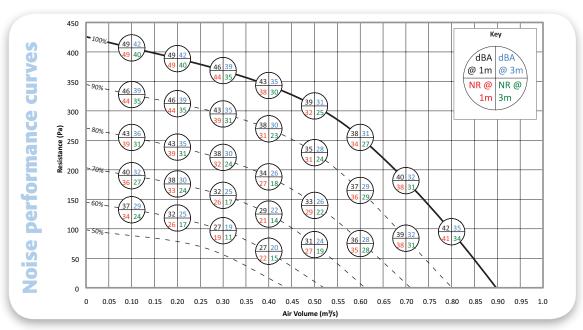
Performance

Size	Phase	Motor Size	Voltage	Fan Speed	Motor Full Load Current	Speed Control
CAT0646-1	1 Phase	0.35 kW	230 VAC	1590 rpm	1.3 A	EC



Electrical input power (Watts) Air volume flow rate (litres/second)

Notes: SFP figures quoted at voltages tested in accordance with BS EN ISO 5801:2017.



Note: NR levels are dependent upon environmental conditions.

Tolerances:

On flow rates: +/_5%

On acoustic power and pressure: Levels: +/_3dB

Unit configuration

Configuration and handling

CAT0646-1 / PH WH / EE / LT RB / ISC







Unit type			Dime	nsions	(mm)				Weight (kg)	С	onfigurat	ion optior	าร
	Α	AA	В	С	D	E	F	G		LT	LB	RT	RB
CAT6 Plantroom extract	1265		1210	730	1165	630	75	25	165	✓	✓	✓	✓
CAT6 Weatherproof extract	1265	1415	1210	905	1165	630			220	✓		✓	

Controls

CAT0646-1 / PH / EE / LT / ISC

Unit type	Integral to AHU	Loose panel
CAT0646-1	CPF0-1/P/C	CPf0-1/N/C

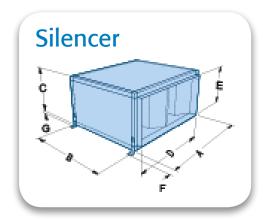
LB

Noise and silencer data

	Fan speed	Sou	nd spec	trum dB	re 10 ⁻¹² v	w PWL c	entre	freque	псу	(Hz)		Castin	g noise	e brea	akdown	
Fan voltage	(RPM)	63	125	250	500	1k	2 k	41	<	8k	NR @ 1	n NR @	2 3m		BA @ Im	dBA @ 3m
100%	1590	69	64	53	49	41	42	36	3	43	36	2	9		39	31
90%	1431	66	60	50	46	38	39	30	3	40	33	2	6		36	28
80%	1272	64	58	47	42	34	36	3.	1	32	26	1	8		32	25
70%	1113	63	54	45	39	30	32	29	9	23	21	1	4		29	22
60%	954	66	54	44	35	27	28	20)	14	21	1	2		29	22
	Centre	frequen	су			63		125		250	500	1k	2k		4k	8k
	Case in	sertion lo	oss			-3		-5		-14	-19	-26	-22	2	-22	-15

Note: Independently acoustically tested to BS EN ISO 3744:2010.

Silencer option	Sou	ınd spe	ctrum d	B re 10	¹² w P	NL c	entr	e fre	que	ency	(Hz)		
CATVA0600/1200	63	125	250	500		k	2	k	4	łk	8	3k	
Induct loss	-6	-8	-12	-19	-	28	-3	30	-)	24	-/2	21	
Dimensions (mm)	A	AA	В	С	D		E	F		G		Weig	jht (kạ
Plantroom CATVA0600/1200/STD	1265		1300	730	1165	6	630	7:	'5 25		5	1	50
Weatherproof CATVA0600/1200/W/STD	1265	1415	1300	905	1165	6	630					1	90



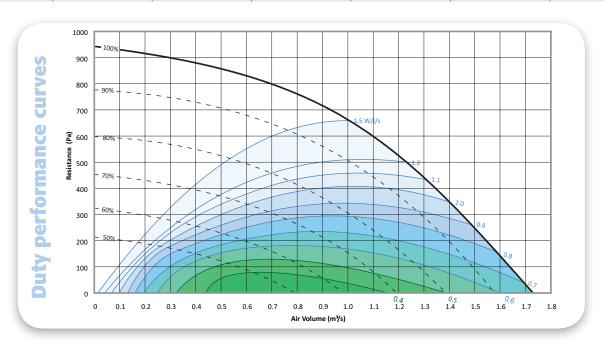
Note: The silencer will add a maximum of 12 Pa to the external resistance.

Selection data

Unit size 7 CAT0747-3

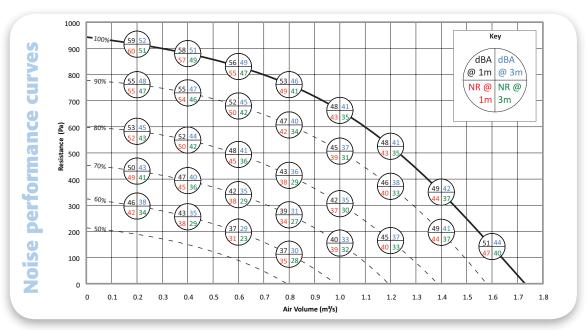
Performance

Size	Phase	Motor Size	Voltage	Fan Speed	Motor Full Load Current	Speed Control
CAT0747-3	3 Phase	1.4 kW	400 VAC	2100 rpm	1.9 A	EC



Electrical input power (Watts) Air volume flow rate (litres/second)

Notes: SFP figures quoted at voltages tested in accordance with BS EN ISO 5801:2017.



Note: NR levels are dependent upon environmental conditions.

Tolerances:

On flow rates: +/_5%

On acoustic power and pressure: Levels: */_3dB

Unit configuration

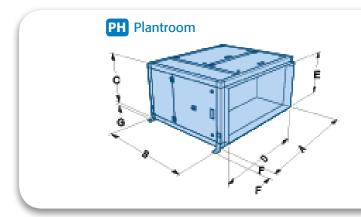
Configuration and handling

CAT0747-3 / PH WH / EE / LT RB / ISC











Unit type			Dime	ensions	(mm)				Weight (kg)	С	onfigurat	ion optior	าร
	Α	AA	В	С	D	E	F	G		LT	LB	RT	RB
CAT7 Plantroom extract	1725		1390	820	1625	720	75	25	230	✓	✓	✓	✓
CAT7 Weatherproof extract	1725	1875	1390	995	1625	720			300	✓		✓	

Controls

CAT0747-3 / PH / EE / LT / ISC

LB

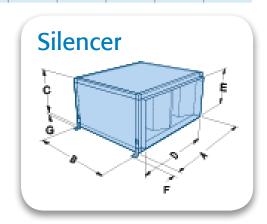
Unit type	Integral to AHU	Loose panel
CAT0747-3	CPF0-3/P/C	CPf0-3/N/C

Noise and silencer data

	Fan speed	Sou	ınd spec	trum dB	re 10 ⁻¹² v	w PWL c	entre	frequer	ncy (Hz)		Castin	g noise	breakd	own	
Fan voltage	(RPM)	63	125	250	500	1k	2k	41	•	8k	NR @ 1	n NR @	9 3m	dBA @	2	dBA @ 3m
100%	2100	76	69	65	60	52	52	46	6	47	42	3	5	47		40
90%	1890	74	68	63	57	49	48	44	1	45	40	3	2	46		39
80%	1680	72	67	58	54	46	44	40)	43	36	2	9	42		35
70%	1470	70	65	55	49	41	40	36	6	40	33	2	6	39		32
60%	1260	71	64	54	46	37	37	32	2	34	32	2	4	38		30
	Centre	e frequen	су			63		125	2	250	500	1k	2k		4k	8k
	Case in	sertion le	oss			-3		-5		-14	-19	-26	-22	-	22	-15

Note: Independently acoustically tested to BS EN ISO 3744:2010.

Silencer option	Sou	ınd spe	ctrum d	B re 10	·12 W	PW	L c	entr	e fre	que	ency	(Hz)			
CATVA0700/1200	63	125	250	500		1k		2	k	4	lk		8k			
Induct loss	-6	-8	-12	-19	-19		-28		-30		-24		-21			
Dimensions (mm)	A	AA	В	С	ı	D		E	F	:	G		Weig			
Plantroom CATVA0700/1200/STD	1725		1300	820	16	625	72	720		75		5 25		5	2	200



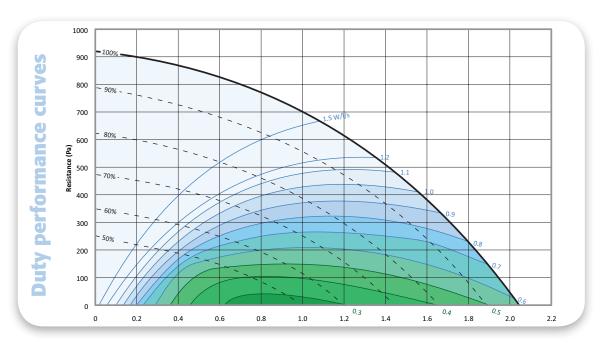
Note: The silencer will add a maximum of 18 Pa to the external resistance.

Selection data

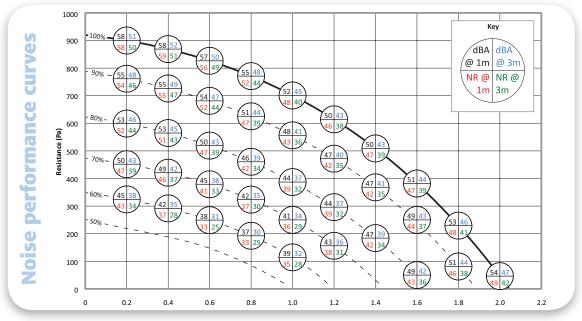
Unit size 8 CAT0848-3

Performance

Size	Phase	Motor Size	Voltage	Fan Speed	Motor Full Load Current	Speed Control
CAT0848-3	3 Phase	1.45 kW	400 VAC	1800 rpm	2 A	EC



Notes: SFP figures quoted at voltages tested in accordance with BS EN ISO 5801:2017.



Note: NR levels are dependent upon environmental conditions.

Tolerances:

On flow rates: +/_5%

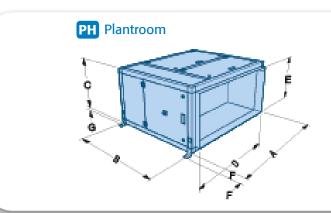
On acoustic power and pressure: Levels: +/_3dB

By octave band: +/_5dB

Unit configuration

Configuration and handling

CAT0848-3 / PH WH / EE / LT RB / ISC RT LB CPSC





Unit type			Dime	ensions	(mm)				Weight (kg)	С	onfigurat	ion optior	າຣ
	Α	AA	В	С	D	E	F	G		LT	LB	RT	RB
CAT8 Plantroom extract	1815		1570	910	1715	810	75	25	380	✓	✓	✓	✓
CAT8 Weatherproof extract	1815	1965	1570	1085	1715	810			370	✓		✓	

Controls

CAT0848-3 / PH / EE / LT / ISC

WH

RT CPSC

LB

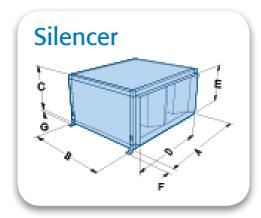
Unit type	Integral to AHU	Loose panel
CAT0848-3	CPF0-3/P/C	CPf0-3/N/C

Noise and silencer data

	Fan speed	Sou	ınd spec	trum dB	re 10 ⁻¹² v	w PWL c	entre fr	equenc	y (Hz)		Castin	g noise	breakdown	
Fan voltage	(RPM)	63	125	250	500	1k	2k	4k	8k	NR @ 1	n NR @	2 3m	dBA @ 1m	dBA @ 3m
100%	1800	78	74	70	62	53	50	45	46	47	3	9	50	43
90%	1620	76	73	66	59	50	46	41	44	42	3	5	47	40
80%	1440	75	70	63	55	45	42	37	42	39	3	2	44	37
70%	1260	74	67	60	51	41	39	34	37	36	2	9	41	34
60%	1080	71	61	57	44	34	35	29	25	33	2	5	37	30
	Centre	frequen	су			63	1	25	250	500	1k	2k	4k	8k
	Case in	sertion l	oss			-3		-5	-14	-19	-26	-22	-22	-15

Note: Independently acoustically tested to BS EN ISO 3744:2010.

Silencer option	Sou	ınd spe	ctrum d	B re 10	·12 W	PW	L ce	entre	e fre	que	ncy ((Hz))			
CATVA0800/1200	63	125	250	500		1k		2	k	4	k	8	3k			
Induct loss	-6	-8	-12	-19		-28	3	-3	0	-2	24	-:	21			
Dimensions (mm)	A	AA	В	С		ס	E		F		G		Wei	ght (k		
Plantroom CATVA0800/1200/STD	1815		1300	910	17	715 8		10	75		5 25		25			220
Weatherproof CATVA0800/1200/W/STD	1815	1965	1300	1065	17	15	81	10						280		



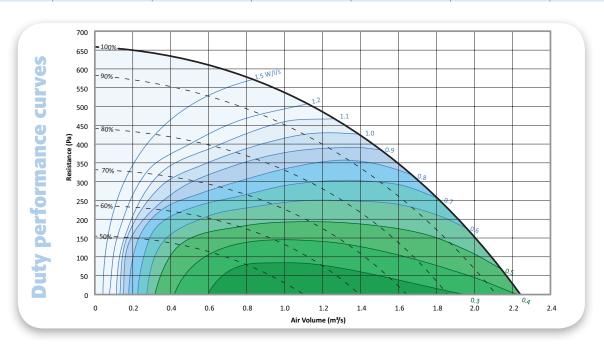
Note: The silencer will add a maximum of 12 Pa to the external resistance.

Selection data

Unit size 9 CAT0949-3

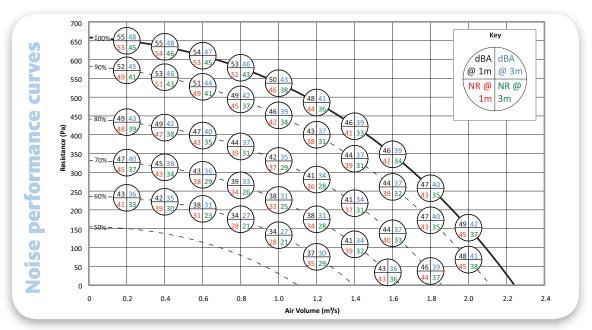
Performance

Size	Phase	Motor Size	Voltage	Fan Speed	Motor Full Load Current	Speed Control
CAT0949-3	3 Phase	1.25 kW	400 VAC	1400 rpm	1.65 A	EC



Electrical input power (Watts) Air volume flow rate (litres/second)

Notes: SFP figures quoted at voltages tested in accordance with BS EN ISO 5801:2017.



Note: NR levels are dependent upon environmental conditions.

Tolerances:

On flow rates: +/_5%

On acoustic power and pressure: Levels: */_3dB

Unit configuration

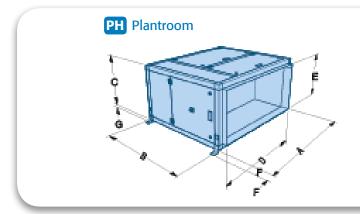
Configuration and handling

CAT0949-3 / PH WH / EE / LT RB / ISC











Unit type			Dime	ensions	(mm)				Weight (kg)	С	onfigurat	ion optior	ıs
	Α	AA	В	С	D	E	F	G		LT	LB	RT	RB
CAT9 Plantroom extract	1795		1750	1000	1695	900	75	25	330	✓	✓	✓	✓
CAT9 Weatherproof extract	1795	1945	1750	1175	1695	900			420	✓		✓	

Controls

CAT0949-3 / PH / EE / LT / ISC

LB

Unit type	Integral to AHU	Loose panel
CAT0949-3	CPF0-3/P/C	CPf0-3/N/C

Noise and silencer data

	Fan speed -	Sou	nd spec	trum dB	re 10 ⁻¹² v	w PWL c	entre f	requen	cy (Hz)	Casting noise breakdown					
Fan voltage	(RPM)	63	125	250	500	1k	2k	4k	8k	NR @ 1	m NR @	2 3m	dBA @ 1m	dBA @ 3m	
100%	1400	73	74	65	59	49	46	42	48	43	3	5	47	40	
90%	1260	71	72	63	57	47	44	41	48	41	3	3	45	38	
80%	1120	71	68	60	52	41	40	34	45	37	3	1	41	34	
70%	980	68	65	57	49	37	38	30	42	34	2	8	38	31	
60%	840	71	61	53	44	33	34	25	23	28	2	:1	35	28	
	Centre	frequen	су			63		125	250	500	1k	2k	4k	8k	
	Case in	sertion le	oss			-3		-5	-14	-19	-26	-22	-22	-15	

Note: Independently acoustically tested to BS EN ISO 3744:2010.

Silencer option	Sou	Sound spectrum dB re 10 ⁻¹² w PWL centre frequency (Hz)										
CATVA0900/1500	63	125	125 250 500		1k 2k		k 4k		lk	8k		
Induct loss	-6	-8	-12 -		-28		-30		-24		-21	
Dimensions (mm)	Α	AA	В	С	D		E	F		G	We	igh
Plantroom CATVA0900/1500/STD	1795		1600	1000	1695	9	900	75	5	25		290
Weatherproof	1795	1945	1600	1175	1695	c	900					350



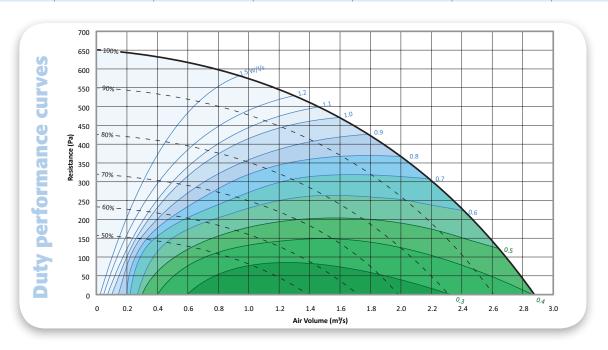
Note: The silencer will add a maximum of 12 Pa to the external resistance.

Selection data

Unit size 10 CAT10410-3

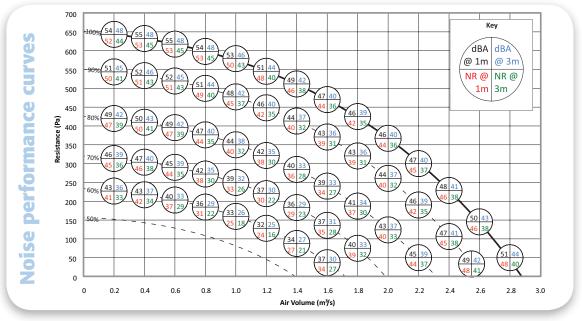
Performance

Size	Phase	Motor Size	Voltage	Fan Speed	Motor Full Load Current	Speed Control
CAT10410-3	3 Phase	1.5 kW	400 VAC	1230 rpm	2.1 A	EC



Electrical input power (Watts) Air volume flow rate (litres/second)

Notes: SFP figures quoted at voltages tested in accordance with BS EN ISO 5801:2017.



Note: NR levels are dependent upon environmental conditions.

Tolerances:

On flow rates: +/_5%

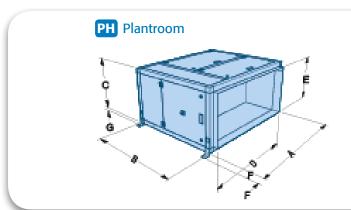
On acoustic power and pressure: Levels: */_3dB By octave band: */_5dB

Unit configuration

Configuration and handling

CAT10410-3 / PH WH / EE / LT RB / ISC







Unit type		Dimensions (I							Weight (kg)	С	configuration options			
	Α	AA	В	С	D	Е	F	G		LT	LB	RT	RB	
CAT10 Plantroom extract	1960		1950	1100	1880	1000	75	25	390	✓	✓	✓	✓	
CAT10 Weatherproof extract	1980	2130	1950	1275	1880	100			490	✓		✓		

Controls

CAT10410-3 / PH / EE / LT / ISC

WH DT GDS

RT CPSC RB LB

Unit type	Integral to AHU	Loose panel
CAT10410-3	CPF0-3/P/C	CPf0-3/N/C

Noise and silencer data

	Fan speed -	Sou	nd spec	trum dB	re 10 ⁻¹² v	w PWL c	entre	freque	ncy	(Hz)	Casting noise breakdown						
Fan voltage	(RPM)	63	125	250	500	1k	2k	4	k	8k	NR @ 1	n NR @	9 3m	dBA @ 1m		BA @ 3m	
100%	1230	74	76	64	58	47	44	3	9	48	45	3	7	47		40	
90%	1107	72	71	61	54	43	40	3	5	47	39	3	2	43		36	
80%	984	71	68	58	50	40	38	3	2	44	36	2	9	40		33	
70%	861	71	62	54	46	36	35	3	2	36	29	2	2	36		29	
60%	738	68	58	49	41	32	30	3	0	24	24	1	6	32		25	
	Centre	frequen	су			63		125		250	500	1k	2k	4k		8k	
	Case in	sertion lo	oss			-3		-5		-14	-19	-26	-22	-22		-15	

Note: Independently acoustically tested to BS EN ISO 3744:2010.

Silencer option	Sound spectrum dB re 10 ⁻¹² w PWL centre frequency (Hz)										
CATVA1000/1500	63	125	250	500	11	•	2k		4k	8k	
Induct loss	-6	-8	-12	-19	-2	8	-30	-	24	-21	
Dimensions (mm)	Α	AA	В	С	D	E		F	G	We	eight
Plantroom CATVA1000/1500/STD	1980		1600	1100	1880	100	00	75	25	5	330
Weatherproof CATVA1000/1500/W/STD	1980	2130	1600	1275	1880	100	00				390



Note: The silencer will add a maximum of 17 Pa to the external resistance.

Control packages for performance and efficiency

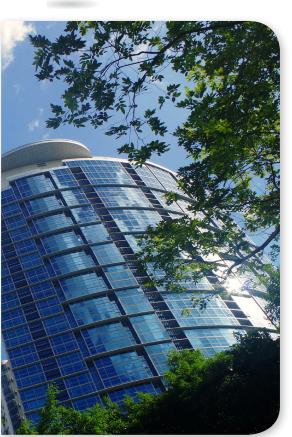


Save energy and costs with BlueSense controls

Demand ventilation solutions

BlueSense philosophy combines intelligent control technologies with energy saving products, services and engineering expertise. BlueSense helps meet energy reduction commitments by optimising equipment performance, improving energy efficiency, saving money and increasing equipment life expectancy.

BlueSense can be applied to a variety of projects and applications, providing efficient solutions whilst supporting design for best practice and sustainability.



BlueSense features

- Inbuilt intelligent controls technology
- Optimises performance and efficiency
- Demand ventilation control improves air quality, reducing energy consumption and lowering operating costs
- Combined CO₂ and VOC sensing technology with energy efficient speed control
- Extending equipment life expectancy and reducing maintenance
- Short term payback on capital expenditure
- Extended warranty



Colourfan Twin Extract Acoustic BlueSense

All products in the Ecovent range can form part of a BlueSense energy saving package. Specify BlueSense to ensure units are optimised with pre-wired controls, energy efficient speed controller and air quality sensor. All of these work in unison, reducing energy consumption and saving money.

A BlueSense example

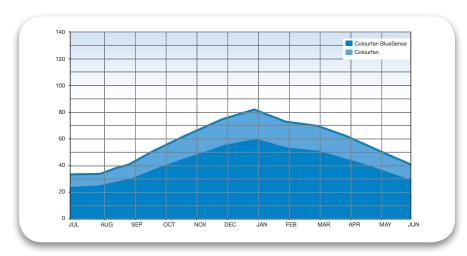


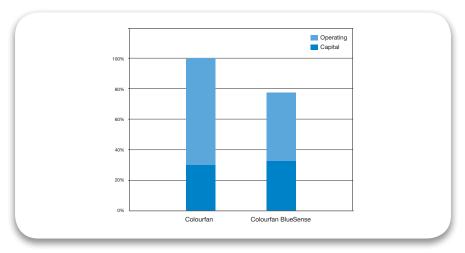
BlueSense energy savings

Energy comparisons for the Colourfan range illustrate how they reduce energy demands whilst improving the environment and saving money.

Energy chart life cycle costs

The example below is a typical office building, with an occupancy variation that results in an average 40% reduction in airflow requirement for 40% of the working day. The ventilation system operates from 8am till 6pm Monday to Friday, with a ventilation rate of 0.2m³/s at 100 Pa.





The heating requirement has been based upon the UK heating profile for an air temperature setpoint of 18.5°C, the same heater size has been used for all camparisons.

Conclusion

Combining VES products with BlueSense technology will reduce the impact to the environment, minimise overall life cycle costs and payback period.

VES is experienced at discussing energy requirements with clients, our knowledge and technology can help to identify areas where savings can be made. VES can provide assistance for both new and existing buildings.

BlueSense energy savings

VES designs and manufactures all controls systems entirely in-house, this advantage ensures that the most efficient, lowest cost, highest quality packages are available.

The CPF twin controls provide automatic change over upon fan failure to ensure continuous extract ventilation, including a time dependent duty share function and additional features to suit advanced applications. e.g. constant pressure and humidity control.



Features

- Single or three phase, extract fan control
- Auto changer over upon fan failure, detected by fitted and pre-wired airflow pressure switch
- Time dependent 12 hours duty share, with memory retention
- Optional remote status indicator, pressure, temperature and humidity functions.
- BlueSense energy saving package for demand ventilation control, complete with fully integrate pre-wired control panel, energy efficient speed control and air quality sensor

Selection matrix

		CPF
Power supply	230 VAC 50 Hz or 400 VAC 50 Hz	✓
Twin extract fan	230 VAC 50 Hz or 400 VAC 50 Hz	✓
Auto-change-ove	er and duty share	✓
Volt free remo	ote start/stop	✓
24 VDC fire al	arm shutdown	✓
Volt free common ru	ın and trip indication	✓
7 day tin	ne clock	✓
Internal or ext	ernal locations	✓
	Temperature	0
Sensor control	Humidity	0
	Pressure	0
BlueSense - Energ	gy saving package	✓
Energy efficien	t speed control	✓
Air quality senso	or (CO ₂ and VOC)	✓
Post installati	on optimising	✓

O = option

Bespoke solutions

As well as offering a wide range of standard Ecovent units VES are able to build bespoke versions for special applications and requirements.

Units can be adapted for higher specifications to address challenging locations and applications. Our experience with controls also enables high levels of integration with Building Management Systems or existing solutions, as well as matching to niche applications.

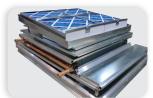
With VES you really get the full package without needing to mix and match suppliers.

Bespoke options

- Acoustic options for noise sensitive applications
- EC Plug fans for duties above 1.3 m³/s
- Ontrols integration into new and existing building management systems
- Aesthetic requirements and paint colour finishes
- Saline environment protection
- Cooling coils
- Specialist filtration applications i.e carbon, grease, HEPA
- Flatpack and site assistance

Specialist Site Services

VES operates a Specialist Site Services division, which is a market leader in the repair and refurbishment of any make or model of air handling equipment.



Flatpacking

- To suit difficult access locations
- Saves craneage costs
- No need for road closures
- Reduced manual handling risks



Post Installation Commissioning

VES technical engineers can ensure the unit has been installed and set up correctly. Also, VES can check all control wiring, set the unit running and measure air volumes (if suitable traverse point is available).



Spares and Maintenance

VES holds stock, or can source parts for all VES and other manufacturers products. A reminder service and regular user discount are available. VES offers varied maintenance agreements to suit location and budget.

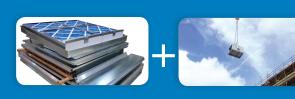


Energy Saving Solutions for Kitchens

VES can manufacture special Ecovent-K's, complete with grease filters, designed specifically for kitchens.







Site Assistance By Specialist Site Services VES has an accomplished Site

VES has an accomplished Site Services division. Ecovent units can be delivered in flat pack form and re-assembled "in situ" in restricted and difficult locations.

Product specification

Colourfan® Twin Acoustic

1.1. General

A. Provide an extract fan unit to meet the performance and configuration as indicated in the schedule and detail drawings. The extract fan unit shall be tested in accordance with BS EN ISO 5801:2017 and shall be of the Colourfan type as manufactured by VES Andover Ltd a company accredited with BS EN ISO 9001:2008.

1.2. Unit construction

- A. The unit shall be provided pre-assembled comprising of a rigidly constructed case, twin centrifugal backward curved fans with direct drive motors and rectangular spigots.
- B. The unit shall be supplied pre-wired, factory fitted and tested controls package or pre-wired to an external isolator.
- C. The unit shall be available in plantroom or weatherproof construction as indicated in the schedule and detail drawings.
- D. Sizes 0-10 shall have rectangular duct spigots complete with a flange as indicated in the schedule and detail drawings.
- E. Weatherproof units shall be available with horizontal inlet spigot as indicated in the schedule and detail drawings. Plantroom units shall be available with horizontal spigot as standard.
- F. Weatherproof units shall be available with an outlet louvre or spigot as indicated in the schedule and detail drawings.
- G. The unit casework shall incorporate high quality rubber gaskets seals on service doors and panels.
- H. The unit shall be provided pre-assembled comprising of a rigidly constructed 50mm tubular aluminium case, double skinned galvanised sheet stell panels.
- I. Access for maintenance shall be via hinged panels, allowing access for the cleaning or removal of internal components as indicated in the schedule and detail drawings.
- J. Plantroom units shall be suitable for top or bottom access as indicated in the schedule and detail drawings. Weatherproof units shall be suitable for top access only via a removable weather lid.
- K. Plantroom only shall incorporate mounting brackets compatible with drop-rod support systems.
- L. 1. Sizes 0-3 weatherproof units shall be supplied as standard with mounting feet. Plantroom units shall be available with optional mounting feet as indicated in the schedule.
 - 2. Sizes 4-10 weatherproof units shall be supplied as standard on a galvanised sheet steel channel base, the frame shall be 100mm high
- M. Plantroom unit casework and spigots shall be supplied naturally finished in high quality galvanised steel as standard. Optional powdercoat colour as indicated in the schedule.
- N. Weatherproof units shall be supplied powdercoated signal grey RAL7004 as standard. Alternative colour according to schedule.
- O. The unit shall be designed to be secured to a suitable base, wall or ceiling, ensuring the use of correct fixings for the application and taking into account individual unit weight as indicated in the schedule and detail drawings.

1.3. Fans

- A. The fan impellers shall be of PA6 glass-fibre reinforced, backward curved plastic blade construction with galvanised steel mounting plate.
- B. The impellers shall be statically and dynamically balanced to G 2.5 / G 6.3 according to ISO1940 part 1.
- C. The fan impellers shall be mated with aerodynamic bell inlet eyes for high efficiency and low noise generation.
- D. The fan impellers are supplied as standard in natural uncoated finish.

1.4. Motors

- A. The fans shall incorporate external rotor motors to insulation class F, IP44 environmental protection rating and shall be supplied with thermal protection cut-out as standard.
- B. The integrated motor shall be supplied epoxy painted grey to RAL7032.

1.5. Operation environment

A. The unit shall be designed to operate with process air temperature -20°C go 40°C, and humidity up to 80%.

1.6. Controls

A. The unit shall be fitted as standard with EC fan speed control system to match fan type with max/min speed and 0-10 VDC BMS control. i.e. air quality or temperature sensor.

Ltd to suit or alternative loose CPF panel for installation by others. If no control panel is ordered the unit will be supplied with local isolator for unit mains connections.

- C. Fitted controls shall be positioned as indicated in the schedule and detail drawings.
- D. Controls shall be supplied with internally mounted circuit breakers, run, trip and panel live indication and lockable door isolation switch.
- E. Control panels shall have individual circuit breakers where indicated in the schedule and detail drawings.
- F. Fitted controls shall be supplied with a wired AHU mounted LCD controller. Optional room user interfaces are available.
- G. Fitted controls shall be fully pre-wired to internal components.
- H. Automatic fan change over on airflow failure.
- I. Fully programmable digital controller with commissioning and adjustment for constant pressure, humidity and temperate applications.
- J. Duty share with 12 hour run-time memory retention.
- K. Start stop from remote volt free contacts.
- L. 7 day time.
- M. Volt free run and trip indicators.
- N. Volt free enable, and 24 VDC fire alarm interface.

1.7. Ancillaries

- A. The unit shall be fully compatible with a standard range of spigot mounted silencers. The silencers shall be suitable for direct mounting to the unit as indicated in the schedule.
- B. The silencer shall be a rigidly constructed 50mm tubular aluminium case, double skinned galvanised sheet steel panels incorporating internal splitters lined with resin bonded mineral wool. Polythene and perforated metal sheet lining shall be available where indicated in the schedule.
- C. The silencer casework shall be provided naturally finished in high quality galvanised stell as standard. Internal and external powdercoat available as indicated in the schedule. Colour to be in accordance with schedule.
- D. The plantroom unit shall be fully compatible with loosespigot mounted dampers suitable for direct fitting to the unit.
- E. Dampers shall incorporate an aluminium extruded channel frame and aluminium damper blades, mounted on nylon cogs with nylon bearing inserts. Blade operation shall be via a 12mm sq. spindle mounted to one side of the damper.
- F. Dampers shall be of opposed blade type, incorporating gasket seals between blades and sealed angles on the frame to ensure maximum sealing efficiency when the blades are closed.
- G. Dampers shall be suitable for use with optional 230 VAC or 24 VAC open/close actuator as supplied by VES Andover Ltd.

Download specification from www.ves.co.uk

Col	ourfar	1 Twin	Acou	stic		Case const	ruction			Opti	ons		Ancillaries examples		
Product	Unit size	Fan type	Fan size	Phase	Unit config	Main heating	Infill	Handling		itrol pane section	l Inlet/	Colour	Name	Part number	
CAT	00	5	1	-1	/PH	[null]	/EE	/RT	[null]	/ISC	/SP	[null]	Silencer CA	TVA0000/1200/STD	
	01	4	1	-1	/WH			/RB		/CPSC	/L	/R7004	Feet	NRGEX9000	
	02	4	2	-1				/LT							
	03	4	3	-1				/LB							
	04	4	4	-1											
	05	4	5	-1											
	06	4	6	-1											
	07	4	7	-3											
	08	4	8	-3											
	09	4	9	-3											
	10	4	10	-3											
Product	t				Unit config	Main heating	Infill	Handing	Main filte	er Cor	ntrol panel	section	Inlet/Outlet	Colour	
CAT = Co	olourfan	Extract	Acoust	ic	/PH=Plantroom horizontal inlet/ outlet	[null]=No heating	/EE=50mm	/RB=Right bottom	[null]=No filt	ers /	ISC=Isolato speed con		/SP=Square spigo /L=Louvre	t [null]=Galvanis /R=RAL	
xample WIN CA		1/DU/EI	=/I T/CD	SC/I	outlet /WH=Weatherproof horizontal inlet/			/LT=Left top /LB=Left bottom			/CSPC=Co panel and sp control	peed		(colours)	

Other products and services from the complete range of VES HVAC solutions

Air Handling Units

- Supply and extract, combined or separate
- Heat recovery including crossflow plate heat exchangers, thermal wheels and run-around coils
- ▶ Plantroom or weatherproof, flat or stacked
- Fitted silencers, inverters and controls
- Matching DX condensing units
- ▶ Various case constructions including EN 1886 certified units

Duct Fans

- In-line centrifugal, with forward or backward curved impellers
- Round, axial and mixed flow fans
- Fitted silencers available on all units
- Manual and automatic speed controllers available

Twin Fans

- > For ceiling void, plantroom and weatherproof
- Many models and configurations
- Fitted auto-changeover system

Hybrid Units

- Natural ventilation enhanced by a low power fan
- Utilises a combination of automatic mechanical ventilation and manually operated windows to achieve classroom comfort conditions
- Simple user interface with indication of operating mode
- Slimline, lightweight construction, saving space and easing installation
- Available in a range of sizes with the ability to add heating coils when required

Roof Extract Units

- Three ranges for volume and pressure
- Curb and soaker sheet bases

Wall and Ceiling Fans

All types for commercial, industrial and domestic premises

Kitchen Hood Extract Fans

- ▶ Heavy duty high temperature fans for hot greasy air
- Motors out of airstream
- Single inlet fans, in-line and vertical jet roof units

Control Panels

- Off the shelf and built to order panels
- Air quality sensors and energy savers
- Intelligent control software
- A range of remotes including touch screen

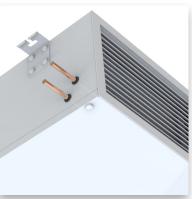
Noise Control

- Matching silencers available for all ventilation products
- Silencers designed to meet noise criteria
- Cleanable silencers
- Weatherproof silencers

Specialist Site Services

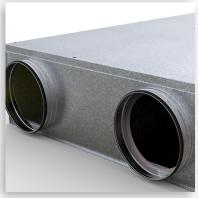
- Plant refurbishment
- Energy saving upgrades
- Noise reduction
- Site surveys
- Kitchen ventilation
- AHU flat pack installation
- Maintenance
- Spares

















VES Head Office

Eagle Close, Chandlers Ford Industrial Estate, Chandlers Ford, Eastleigh, Hampshire SO53 4NF Tel: +44 (0)23 8046 1150 Fax: +44 (0)23 8026 1204

ves.co.uk | sales@ves.co.uk

VES reserves the right to amend product specifications and details without notice.







