FläktGroup

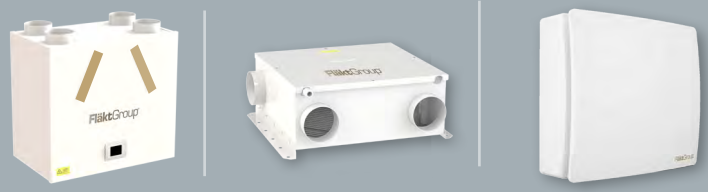
AIR TREATMENT

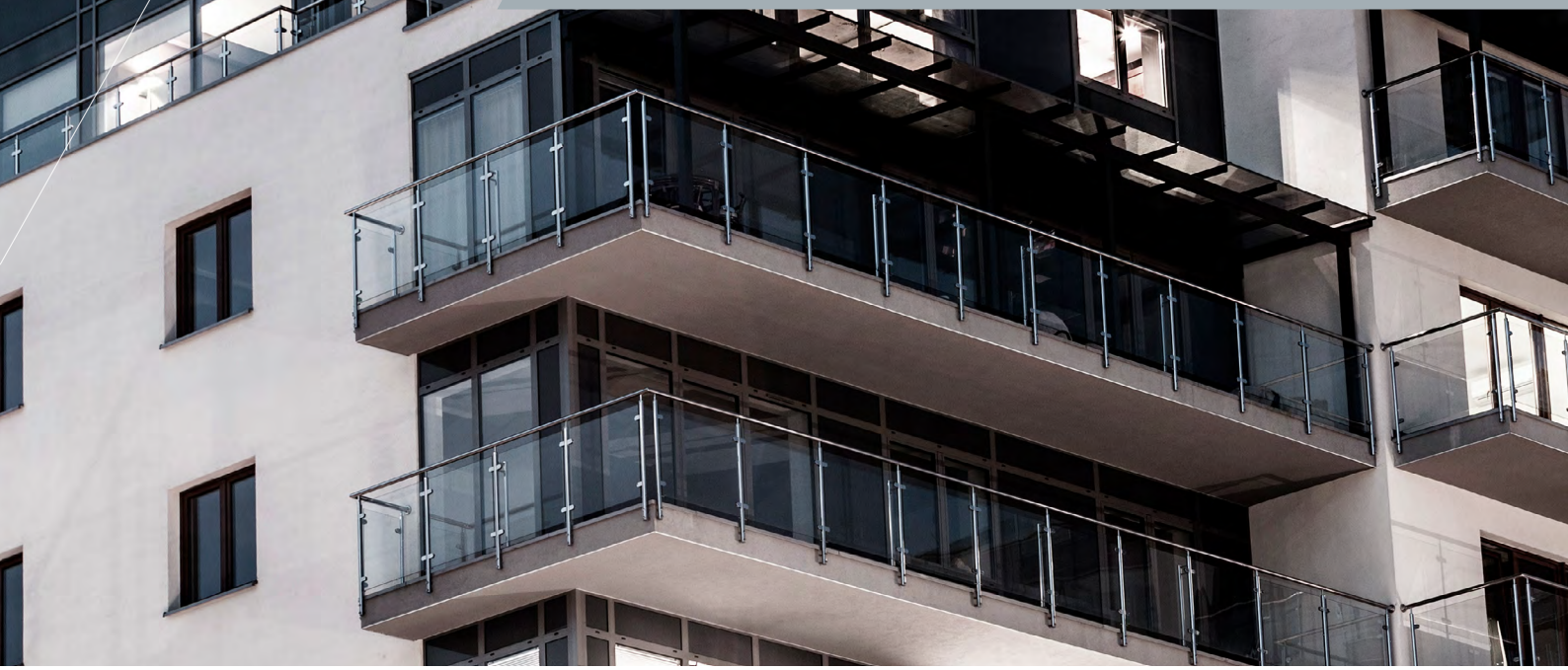
RESIDENTIAL VENTILATION

RESIDENTIAL VENTILATION

EXCELLENCE IN SOLUTIONS RANGE

» TAKE FLÄKT HOME





TAKE FLAKT HOME...

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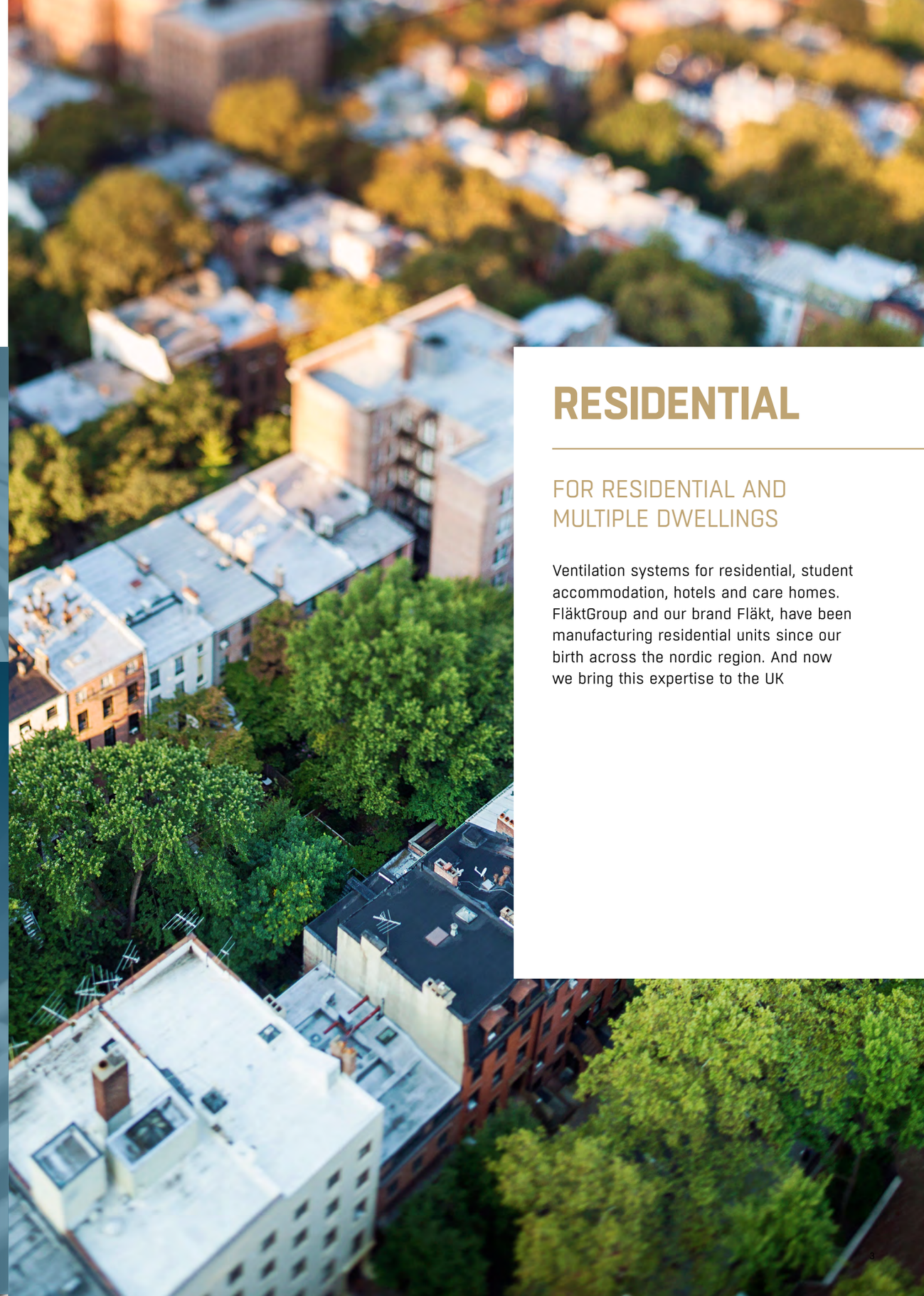


RESIDENTIAL

FOR RESIDENTIAL AND MULTIPLE DWELLINGS

Ventilation systems for residential, student accommodation, hotels and care homes. FläktGroup and our brand Fläkt, have been manufacturing residential units since our birth across the nordic region. And now we bring this expertise to the UK

WHOLE HOUSE MECHANICAL VENTILATION
WITH HEAT RECOVERY - MVHR

WALL MOUNTED STANDARD MVHR

EIS 95

EIS 95 **QUICK FACTS**

- With summer bypass and frost-stat
- Efficient, low energy solution to control moisture and pollution in residential properties up to 170m²
- Up to 94% heat exchange efficiency
- Variable choice of low (trickle), boost and purge speed at installation
- For wall, cupboard or loft installation
- Universal handing for models without humidistat
- Low noise
- Low running costs
- Complies with Building Regulations Parts L1A 2013 and F 2013
- Manufactured in uk to ISO 9001
- Accurate commissioning via optional integral LCD or remote LCD commissioning unit

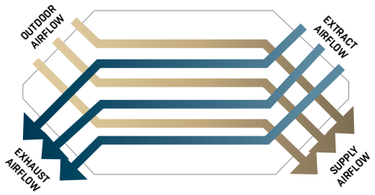
TAKE FLÄKT HOME

GENERAL FEATURES

- Up to 95 litre/sec at 50pa - max 101 litre/sec capacity
- Sfp down to 0.50 W/l/s
- Summer bypass which allows the airflow to bypass the heat exchanger automatically when internal and external temperatures are between adjustable set points.
- Frost-stat
- Run-time and power outage counters
- Easy to install and maintain
- Easy to access ISO Coarse filters
- Universal handing for models without humidistat - left or right
- For fitting vertically into lofts, or cupboards - wall fixing bracket supplied
- Variable low (trickle), boost and purge options for each motor
- Boost speed can be activated by a 230v switched live from:
  - A light switch (if more than one light switch is used, each one must be a double pole switch)
  - Remote humidistat
  - Passive infra red
  - Remote switch/pull cord - 230v
- Ultra quiet
- Low running costs

TECHNICAL FEATURES

- Compact unit - casing from steel sheet - epoxy paint finish
- Thermo-acoustic lining
- Low energy EC brushless motor with single width, single inlet, direct drive, forward curved impellors
- Operates in temperature up to 60°c
- Easy to access standard, disposable ISO Coarse filters
- Counter flow heat exchanger



CONTROL FEATURES - STANDARD

- Independent variable speed adjustment for each motor for trickle, boost and purge speeds.
- Adjustable boost speed over-run timer from 0 to 90 minutes.
- Adjustable boost speed delay from 0 to 5 minutes
- Remote purge - adjustable over-run timer from 0 to 250 minutes, pre-set to 15 minutes (adjustable at factory).
- Adjustable night time boost and purge inhibitor
- Integral frost-stat - proportionally reduces intake motor speed as temperature falls
- Automatic summer bypass

CONTROL FEATURES - CUSTOMISED FACTORY SETTINGS

- Change of ductwork handing on humidistat version (trip point can be set at manufacture)
- Integral humidistat - proportionally increases motor speeds with rising humidity
- 0-10v connections can be added for:
  - BMS - for remote motor shut-off
  - CO_2 detector
  - Home automation system
- Relay for external pre-heater
- 3 Speed selector switch
- Remote purge
- Purge speed over-run time
- Holiday mode for reduced speeds when property is unoccupied (factory set option) - default setting is 50% of trickle speed
- Run-time and power outage counters downloadable via QR code.

COMPLIES WITH

- Part L1A 2013 of Building Regulations for enhanced energy saving capability
- Part F 2013 of Building Regulations for reliable, efficient ventilation
- EU RoHS Directive Compliant.
- Complies with IEC60335-2-80, LVD2006/95/CE and EMC2014/30/UE (European Directive against radio interference and electro-magnetic compatibility
- Manufactured in UK to ISO 9001
- CE marked
- SAP PCDB Listed

TECHNICAL CHARACTERISTICS

Model	Airflow l/sec					Total Power - Watts				
	100%	80%	60%	40%	20%	100%	80%	60%	40%	20%
EIS 95	101	79	58	36	14	120	69	31	11	2.2

EIS 95	Sound Power Levels, Lw (dB) - Octave Bands Frequency Hz.									Sound Pressure dBA @ 3m
Curve Ref		63	125	250	500	1k	2k	4k	8k	
100% (101 l/sec)	Extract	65	65	63	63	59	58	57	54	
	Supply	70	70	68	68	64	63	62	59	
	Breakout	56	50	55	49	44	42	37	32	33.9
80% (79 l/sec)	Extract	61	61	58	58	54	53	50	46	
	Supply	66	66	63	63	59	58	55	51	
	Breakout	52	51	50	46	41	34	32	28	29.9
60% (58 l/sec)	Extract	55	55	51	51	47	45	41	36	
	Supply	60	60	56	56	52	50	46	41	
	Breakout	47	51	46	43	38	27	25	24	26.6
40% (36 l/sec)	Extract	47	46	41	41	38	35	29	21	
	Supply	52	51	46	46	43	40	34	26	
	Breakout	43	52	43	41	35	23	18	21	24.6
20% (14 l/sec)	Extract	33	32	24	24	22	18	8	11	
	Supply	38	37	29	29	27	23	13	15	
	Breakout	36	50	37	35	27	12	9	14	19.7

The breakout dB(A) sound pressure values are given for hemispherical free field propagation at a distance of 3m from the unit
All the above data has been independently tested to BS EN ISO 3743-1:2010

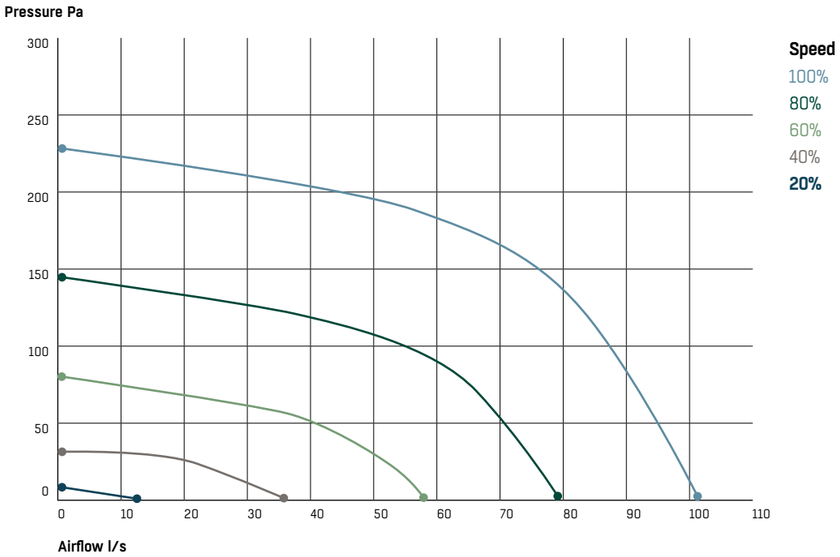
RESULTS for SAP CALCULATIONS
ENERGY LEVEL PERFORMANCE - using rigid ducting only

	2009 Data			2012 Data		
Exhaust Terminal Configuration	**Airflow (l/sec)**	**Specific Fan Power (W/l/sec)**	**Heat Exchange Efficiency**	**Airflow (l/sec)**	**Specific Fan Power (W/l/sec)**	**Heat Exchange Efficiency**
Kitchen + 1 additional wet room	15	0.50	94%	21	0.51	93%
Kitchen + 2 additional wet rooms	21	0.50	93%	29	0.61	91%
Kitchen + 3 additional wet rooms	27	0.55	92%	37	0.75	90%
Kitchen + 4 additional wet rooms	33	0.65	91%	45	0.92	89%

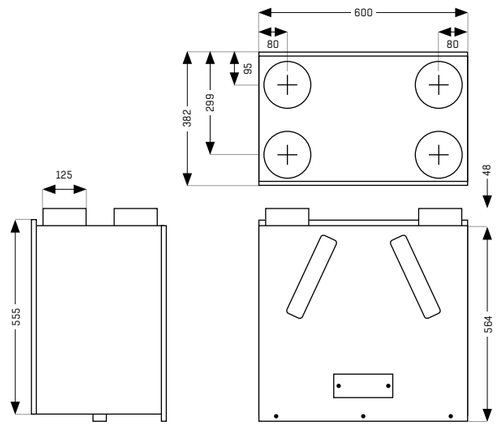
Figures at minimum flow rate conditions

EIS 95

PERFORMANCE



DIMENSIONS - MM



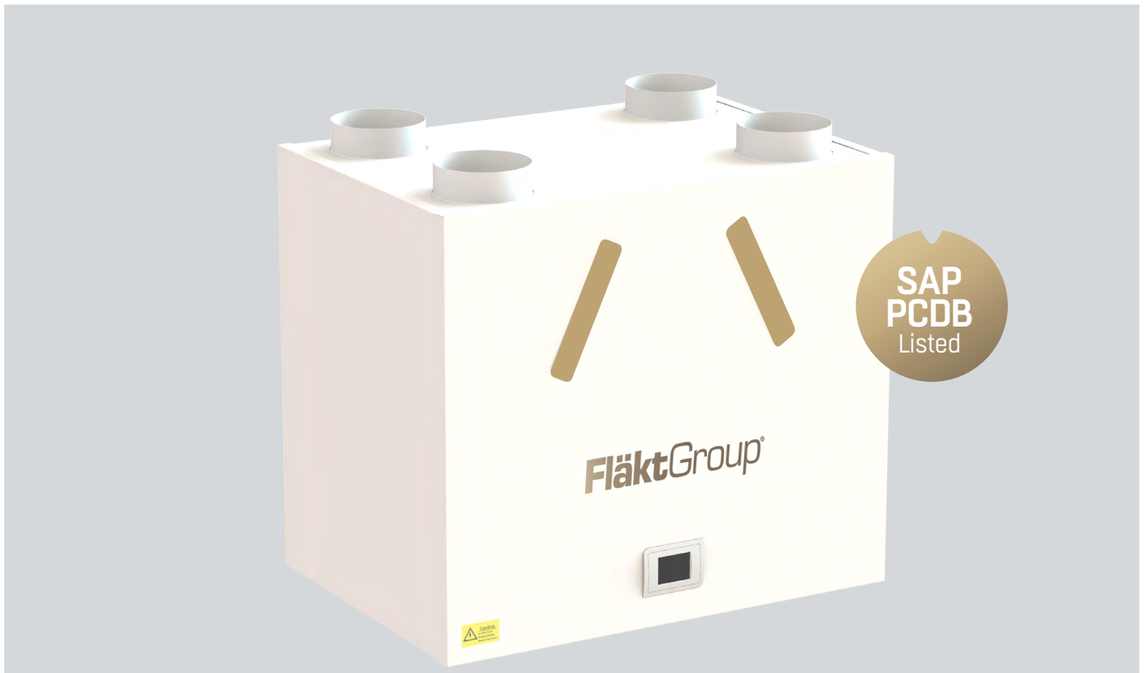
MODELS AVAILABLE

- **WHHR-EIS 95** BYPASS UNIVERSAL
- **WHHR-EIS 95 / LCD** BYPASS UNIVERSAL INTEGRAL LCD
- **WHHR-EIS 95 / LH** BYPASS,LEFT HANDED, HUMIDISTAT
- **EIS 95 / LCD / LH** BYPASS, INTEGRAL LCD, LEFT HANDED, HUMIDISTAT
- **EIS 95 / RH** BYPASS, RIGHT HANDED, HUMIDISTAT
- **EIS 95 / LCD / RH** BYPASS, INTEGRAL LCD, RIGHT HANDED, HUMIDISTAT

WHOLE HOUSE MECHANICAL VENTILATION
WITH HEAT RECOVERY - MVHR

WALL MOUNTED STANDARD MVHR

EIS 163



EIS 163 QUICK FACTS

- With summer bypass and frost-stat
- Efficient, low energy solution to control moisture and pollution in residential properties up to 250m²
- Up to 92% heat exchange efficiency
- Variable choice of low (trickle), boost and purge speed at installation
- For wall, cupboard or loft installation
- Universal handing for models without humidistat
- Low noise
- Low running costs
- Complies with Building Regulations Parts L1A 2013 and F 2013
- Manufactured in UK to ISO 9001
- Accurate commissioning via optional integral LCD or remote LCD commissioning unit

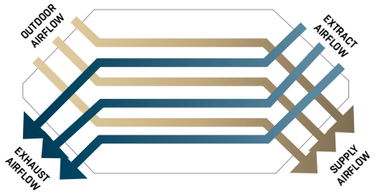
TAKE FLÄKT HOME

GENERAL FEATURES

- Up to 163 litre/sec at 50pa - max 177 litre/sec capacity
- Sfp down to 0.40 W/l/s
- Summer bypass which allows the airflow to bypass the heat exchanger automatically when internal and external temperatures are between adjustable setpoints.
- Frost-stat
- Run-time and power outage counters
- Easy to install and maintain
- Easy to access ISO Coarse filters
- Universal handing for models without humidistat - left or right
- For fitting vertically into lofts, or cupboards - wall fixing bracket supplied
- Variable low (trickle), boost and purge options for each motor
- Boost speed can be activated by a 230v switched live from:
  - A light switch (if more than one light switch is used, each one must be a double pole switch)
  - Remote humidistat
  - Passive infra red
  - Remote switch/pull cord - 230v
- Ultra quiet
- Low running costs

TECHNICAL FEATURES

- Compact unit - casing from steel sheet - epoxy paint finish
- Foam construction lining
- Low energy EC brushless motor with single width, single inlet, direct drive, forward curved impellors
- Operates in temperature up to 60°c
- Easy to access standard, disposable ISO Coarse filters
- Counter flow heat exchanger



CONTROL FEATURES - STANDARD

- Independent variable speed adjustment for each motor for trickle, boost and purge speeds.
- Adjustable boost speed over-run timer from 0 to 90 minutes.
- Adjustable boost speed delay from 0 to 5 minutes
- Remote purge - adjustable over-run timer from 0 to 250 minutes, pre-set to 15 minutes (adjustable at factory).
- Adjustable night time boost and purge inhibitor
- Integral frost-stat - proportionally reduces intake motor speed as temperature falls
- Automatic summer bypass

CONTROL FEATURES - CUSTOMISED FACTORY SETTINGS

- Change of ductwork handing on humidistat version (trip point can be set at manufacture)
- Integral humidistat - proportionally increases motor speeds with rising humidity
- 0-10V connections can be added for:
  - BMS - for remote motor shut-off
  - CO_2 detector
  - home automation system
- Relay for external pre-heater
- 3 Speed selector switch
- Remote purge
- Purge speed over-run time
- Holiday mode for reduced speeds when property is unoccupied (factory set option) - default setting is 50% of trickle speed
- Run-time and power outage counters downloadable via QR code.

COMPLIES WITH

- Part L1A 2013 of Building Regulations for enhanced energy saving capability
- Part F 2013 of Building Regulations for reliable, efficient ventilation
- EU RoHS Directive Compliant.
- Complies with IEC60335-2-80, LVD2006/95/CE and EMC2014/30/UE (European Directive against radio interference and electro-magnetic compatibility
- Manufactured in UK to ISO 9001
- CE marked
- SAP PCDB Listed

EIS 163

TECHNICAL CHARACTERISTICS

Model	Airflow l/sec					Total Power - Watts				
	100%	80%	60%	40%	20%	100%	80%	60%	40%	20%
EIS 163	177	138	99	60	23	176	97	44	17	4

EIS 163		Sound Power Levels, Lw (dB) - Octave Bands Frequency Hz.								Sound Pressure dBA @ 3m
Curve Ref		63	125	250	500	1k	2k	4k	8k	
100% (177 l/sec)	Extract	52	57	61	58	59	58	55	50	
	Supply	57	62	66	63	64	63	60	55	
	Breakout	54	55	60	56	43	39	30	21	38.1
80% (138 l/sec)	Extract	48	53	55	53	54	52	49	42	
	Supply	53	58	60	58	59	57	54	47	
	Breakout	52	55	57	54	42	37	28	22	35.9
60% (99 l/sec)	Extract	42	47	48	46	47	45	40	32	
	Supply	47	52	53	51	52	50	45	37	
	Breakout	51	54	54	51	41	35	26	22	33.2
40% (60 l/sec)	Extract	36	40	40	37	38	36	30	18	
	Supply	41	45	45	42	43	41	35	23	
	Breakout	48	51	46	40	29	25	19	22	24.2
20% (31/sec)	Extract	27	29	27	22	22	19	8	10	
	Supply	32	34	32	27	27	24	15	17	
	Breakout	43	50	41	35	20	16	11	15	20.2

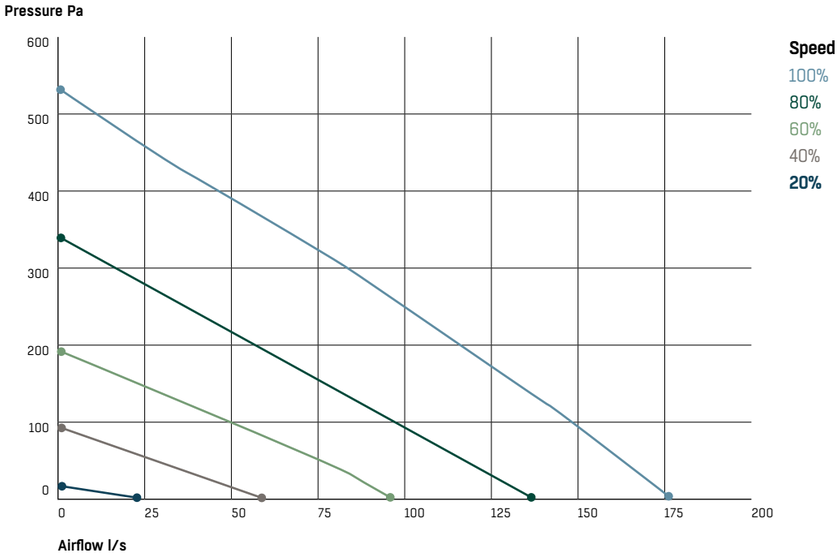
The breakout dB(A) sound pressure values are given for hemispherical free field propagation at a distance of 3m from the unit
All the above data has been independently tested to BS EN ISO 3743-1:2010

RESULTS for SAP CALCULATIONS
ENERGY LEVEL PERFORMANCE - using rigid ducting only

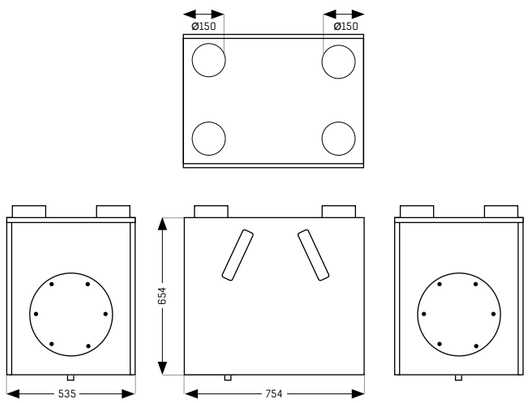
	2009 Data			2012 Data		
Exhaust Terminal Configuration	**Airflow (l/sec)**	**Specific Fan Power (W/l/sec)**	**Heat Exchange Efficiency**	**Airflow (l/sec)**	**Specific Fan Power (W/l/sec)**	**Heat Exchange Efficiency**
Kitchen + 1 additional wet room	15	0.43	92%	21	0.45	92%
Kitchen + 2 additional wet rooms	21	0.40	92.%	29	0.47	92%
Kitchen + 3 additional wet rooms	27	0.42	92%	37	0.54	91%
Kitchen + 4 additional wet rooms	33	0.48	91%	45	0.66	90%
Kitchen + 5 additional wet rooms	39	0.55	91%	53	0.80	90%
Kitchen + 6 additional wet rooms	45	0.63	90%	61	0.99	89%
Kitchen + 7 additional wet rooms	51	0.76	90%	69	1.21	89%

Figures at minimum flow rate conditions

PERFORMANCE



DIMENSIONS - MM



MODELS AVAILABLE

- **WHHR EIS 163** BYPASS UNIVERSAL
- **WHHR EIS 163 / LCD** BYPASS UNIVERSAL INTEGRAL LCD
- **WHHR EIS 163 / LH** BYPASS LEFT HANDED HUMIDSTAT
- **EIS 163 / LH / LCD** BYPASS LEFT HANDED HUMIDSTAT, INTEGRAL LCD
- **EIS 163 / RH** BYPASS, RIGHT HANDED, HUMIDISTAT
- **EIS 163 / RH / LCD** BYPASS, RIGHT HANDED, HUMIDISTAT, INTEGRAL LCD

TAKE FLÄKT HOME

WALL MOUNTED **STANDARD** MVHR

EIS 230

EIS 230 **QUICK FACTS**

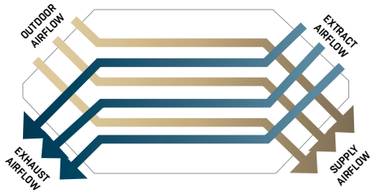
- With summer bypass and frost-stat
- Efficient, low energy solution to control moisture and pollution in residential properties up to 400m²
- up to 89% heat exchange efficiency
- Variable choice of low (trickle), boost and purge speed at installation
- For wall, cupboard or loft installation
- Universal handing for models without humidistat
- Low noise
- Low running costs
- complies with Building Regulations Parts L1A 2013 and F 2013
- Manufactured in UK to ISO 9001
- Accurate commissioning via optional integral LCD or remote LCD commissioning unit

GENERAL FEATURES

- Up to 230 litre/sec at 50pa - max 238 litre/sec capacity
- Sfp down to 0.46 W/l/s
- Summer bypass which allows the airflow to bypass the heat exchanger automatically when internal and external temperatures are between adjustable setpoints.
- Frost-stat
- Run-time and power outage counters
- Easy to install and maintain
- Easy to access ISO Coarse filters
- Universal handing for models without humidistat - left or right
- For fitting vertically into lofts, or cupboards - wall fixing bracket supplied
- Variable low (trickle), boost and purge options for each motor
- Boost speed can be activated by a 230v switched live from:
  - A light switch (if more than one light switch is used, each one must be a double pole switch)
  - Remote humidistat
  - Passive infra red
  - Remote switch/pull cord - 230V
- Ultra quiet
- Low running costs

TECHNICAL FEATURES

- Compact unit - casing from steel sheet - epoxy paint finish
- Foam construction lining
- Low energy EC brushless motor with single width, single inlet, direct drive, forward curved impellors
- Operates in temperature up to 60°C
- Easy to access standard, disposable ISO Coarse filters
- Counter flow heat exchanger



CONTROL FEATURES - STANDARD

- Independent variable speed adjustment for each motor for trickle, boost and purge speeds.
- Adjustable boost speed over-run timer from 0 to 90 minutes.
- Adjustable boost speed delay from 0 to 5 minutes
- Remote purge - adjustable over-run timer from 0 to 250 minutes, pre-set to 15 minutes (adjustable at factory).
- Adjustable night time boost and purge inhibitor
- Integral frost-stat - proportionally reduces intake motor speed as temperature falls
- Automatic summer bypass

CONTROL FEATURES - CUSTOMISED FACTORY SETTINGS

- Change of ductwork handing on humidistat version (trip point can be set at manufacture)
- Integral humidistat - proportionally increases motor speeds with rising humidity
- 0-10V connections can be added for:
  - BMS - for remote motor shut-off
  - CO_2 detector
  - Home automation system
- Relay for external pre-heater
- 3 Speed selector switch
- Remote purge
- Purge speed over-run time
- Holiday mode for reduced speeds when property is unoccupied (factory set option) - default setting is 50% of trickle speed
- Run-time and power outage counters downloadable via QR code.

COMPLIES WITH

- Part L1A 2013 of Building Regulations for enhanced energy saving capability
- Part F 2013 of Building Regulations for reliable, efficient ventilation
- EU RoHS Directive Compliant.
- Complies with IEC60335-2-80, LVD2006/95/CE and EMC2014/30/UE (European Directive against radio interference and electro-magnetic compatibility
- Manufactured in UK to ISO 9001
- CE marked
- SAP PCDB Listed

TECHNICAL CHARACTERISTICS

Model	Airflow l/sec					Total Power - Watts				
	100%	80%	60%	40%	20%	100%	80%	60%	40%	20%
EIS 230	238	186	135	84	35	355	184	85	32	8

EIS 230	Sound Power Levels, Lw (dB) - Octave Bands Frequency Hz.								Sound Pressure dBA @ 3m
Curve Ref		63	125	250	500	1k	2k	4k	8k	
100% (238 l/sec)	Extract	67	63	66	64	64	61	58	54	
	Supply	72	68	71	69	69	66	63	59	
	Breakout	67	65	64	57	51	53	49	32	43.1
80% (186 l/sec)	Extract	63	58	61	59	58	55	51	46	
	Supply	68	63	66	64	63	60	56	51	
	Breakout	62	59	60	52	45	44	39	28	37.4
60% (135/sec)	Extract	58	52	53	51	51	48	43	35	
	Supply	63	57	58	56	56	53	48	40	
	Breakout	58	54	57	45	39	37	31	25	32.8
40% (84 l/sec)	Extract	51	44	44	42	42	37	31	21	
	Supply	56	49	49	47	47	42	36	26	
	Breakout	52	47	48	41	36	31	26	23	26.0
20% (35/sec)	Extract	40	32	30	29	27	24	14	16	
	Supply	45	37	35	34	32	29	22	25	
	Breakout	44	36	34	33	31	28	20	21	24.0

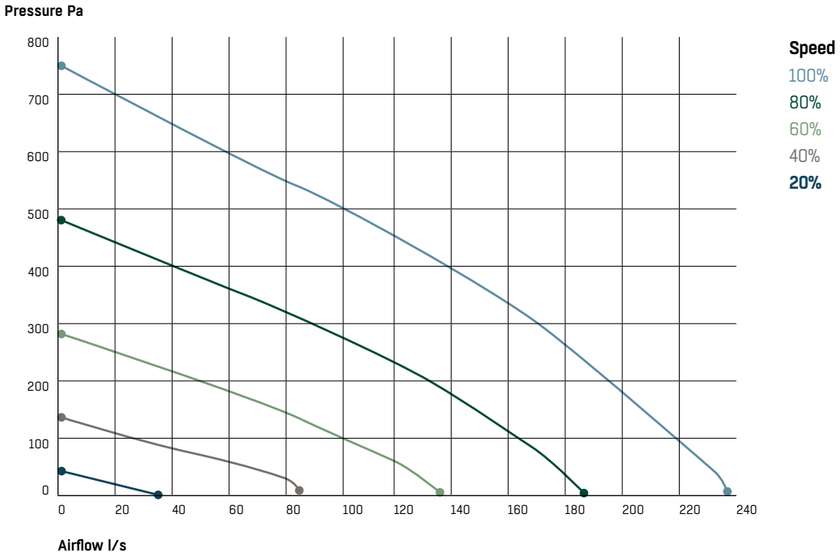
The breakout dB(A) sound pressure values are given for hemispherical free field propagation at a distance of 3m from the unit
All the above data has been independently tested to BS EN ISO 3743-1:2010

RESULTS for SAP CALCULATIONS ENERGY LEVEL PERFORMANCE - using rigid ducting only						
	2009 Data			2012 Data		
Exhaust Terminal Configuration	Airflow (l/sec)	Specific Fan Power (W/l/sec)	Heat Exchange Efficiency	Airflow (l/sec)	Specific Fan Power (W/l/sec)	Heat Exchange Efficiency
Kitchen + 1 additional wet room	15	0.75	89%	21	0.56	89%
Kitchen + 2 additional wet rooms	21	0.56	89%	29	0.47	89%
Kitchen + 3 additional wet rooms	27	0.46	89%	37	0.50	88%
Kitchen + 4 additional wet rooms	33	0.46	88%	45	0.56	87%
Kitchen + 5 additional wet rooms	39	0.49	88%	53	0.66	86%
Kitchen + 6 additional wet rooms	45	0.55	87%	61	0.78	85%
Kitchen + 7 additional wet rooms	51	0.63	86%	69	0.94	84%

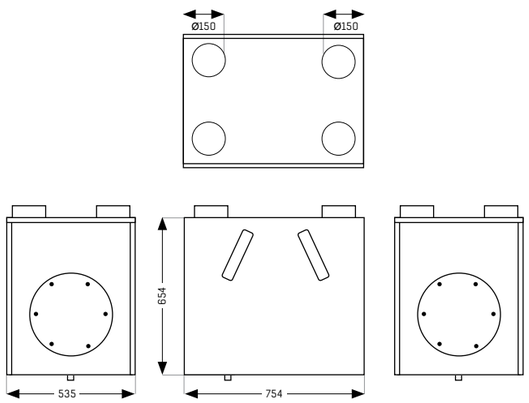
Figures at minimum flow rate conditions

EIS 230

PERFORMANCE



DIMENSIONS - MM



MODELS AVAILABLE

- **EIS 230** BYPASS UNIVERAL
- **EIS 230 / LCD** BYPASS UNIVERAL INTEGRAL LCD
- **EIS 230 / LH** BYPASS, LEFT HANDED, HUMIDISTAT
- **EIS 230 / LH/ LCD** BYPASS, LEFT HANDED, HUMIDISTAT, INTEGRAL LCD
- **EIS 230 / RH** BYPASS, RIGHT HANDED, HUMIDISTAT
- **EIS 230 / RH / LCD** BYPASS, RIGHT HANDED, HUMIDISTAT, INTEGRAL LCD

WHISPER RANGE

TAKE FLÄKT HOME

WALL MOUNTED ACOUSTIC MVHR

EIS 95 - WHISPER

EIS 95 - WHISPER **QUICK FACTS**

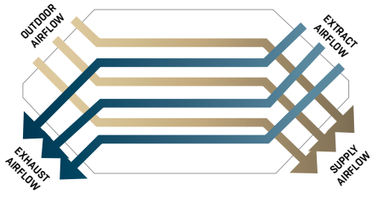
- Very low noise levels - lined with Class "0" fire resistant acoustic foam
- With summer bypass and frost-stat
- Efficient, low energy solution to control moisture and pollution in residential properties up to 170m²
- Up to 94% heat exchange efficiency
- Variable choice of low (trickle), boost and purge speed at installation
- For wall, cupboard or loft installation - no extra cabinet required
- Universal handing for models without humidistat
- Low running costs
- Complies with Building Regulations Parts L1A 2013 and F 2013
- Manufactured in UK to ISO 9001
- Accurate commissioning via integral touch screen LCD

GENERAL FEATURES

- Extremely low noise levels
- Up to 95 litre/sec at 50pa - max 101 litre/sec capacity
- Sfp down to 0.50 W/l/s
- Summer bypass which allows the airflow to bypass the heat exchanger automatically when internal and external temperatures are between adjustable setpoints.
- Frost-stat
- Run-time and power outage counters
- Easy to install and maintain
- Easy to access ISO Coarse filters
- Universal handing for models without humidistat - left or right
- For fitting vertically into lofts, or cupboards - wall fixing bracket supplied
- Variable low (trickle), boost and purge options for each motor
- Boost speed can be activated by a 230v switched live from:
  - A light switch (if more than one light switch is used, each one must be a double pole switch)
  - Remote humidistat
  - Passive infra red
  - Remote switch/pull cord - 230v
- Ultra quiet
- Low running costs

TECHNICAL FEATURES

- Compact unit - casing from steel sheet - epoxy paint finish
- Lined with class "o" fire resistant acoustic foam
- Low energy EC brushless motor with single width, single inlet, direct drive, forward curved impellors
- Operates in temperature up to 60°c
- Easy to access standard, disposable ISO Coarse filters
- Counter flow heat exchanger



CONTROL FEATURES - STANDARD

- Independent variable speed adjustment for each motor for trickle, boost and purge speeds.
- Adjustable boost speed over-run timer from 0 to 90 minutes.
- Adjustable boost speed delay from 0 to 5 minutes
- Remote purge - adjustable over-run timer from 0 to 250 minutes, pre-set to 15 minutes (adjustable at factory).
- Adjustable night time boost and purge inhibitor
- Integral frost-stat - proportionally reduces intake motor speed as temperature falls
- Automatic summer bypass

CONTROL FEATURES - CUSTOMISED FACTORY SETTINGS

- Change of ductwork handing on humidistat version (trip point can be set at manufacture)
- Integral humidistat - proportionally increases motor speeds with rising humidity
- 0-10V connections can be added for:
  - BMS - for remote motor shut-off
  - CO_2 detector
  - Home automation system
- Relay for external pre-heater
- 3 Speed selector switch
- Remote purge
- Purge speed over-run time
- Holiday mode for reduced speeds when property is unoccupied (factory set option) - default setting is 50% of trickle speed
- Run-time and power outage counters downloadable via QR code.

COMPLIES WITH

- Part L1A 2013 of Building Regulations for enhanced energy saving capability
- Part F 2013 of Building Regulations for reliable, efficient ventilation
- EU RoHS Directive Compliant.
- Complies with IEC60335-2-80, LVD2006/95/CE and EMC2014/30/UE (European Directive against radio interference and electro-magnetic compatibility
- Manufactured in UK to ISO 9001
- CE marked
- SAP PCDB Listed

TECHNICAL CHARACTERISTICS

Model	Airflow l/sec					Total Power - Watts				
	100%	80%	60%	40%	20%	100%	80%	60%	40%	20%
EIS 95 - WHISPER	101	79	58	36	14	120	69	31	11	2.2

EIS 95 - WHISPER	Sound Power Levels, Lw (dB) - Octave Bands Frequency Hz.									Sound Pressure dBA @ 3m	Noise Rating based on dB @ 1m
Curve Ref		63	125	250	500	1k	2k	4k	8k		
100% (101 l/sec)	Extract	61	58	48	41	34	26	23	54		
	Supply	74	69	60	57	50	44	43	59		
	Breakout	52	49	42	39	35	36	21	32	28.3	34
80% (79 l/sec)	Extract	56	53	45	37	29	21	16	46		
	Supply	70	65	55	53	44	39	36	51		
	Breakout	47	45	36	35	27	29	13	28	23.4	28
60% (58 l/sec)	Extract	49	45	39	29	19	10	7	36		
	Supply	62	56	47	45	34	27	21	41		
	Breakout	39	36	31	28	19	20	7	24	15.8	21
40% (36 l/sec)	Extract	38	38	32	17	8	3	6	21		
	Supply	51	47	38	31	22	13	8	26		
	Breakout	29	33	22	15	6	5	6	21	9.8	15
20% (14 l/sec)	Extract	31	20	10	4	0	2	6	11		
	Supply	32	27	13	8	1	2	6	15		
	Breakout	20	16	12	7	1	2	6	14	<5.0	<10

The breakout dB(A) sound pressure values are given for hemispherical free field propagation at a distance of 3m from the unit
All the above data has been independently tested to BS EN ISO 3743-1:2010

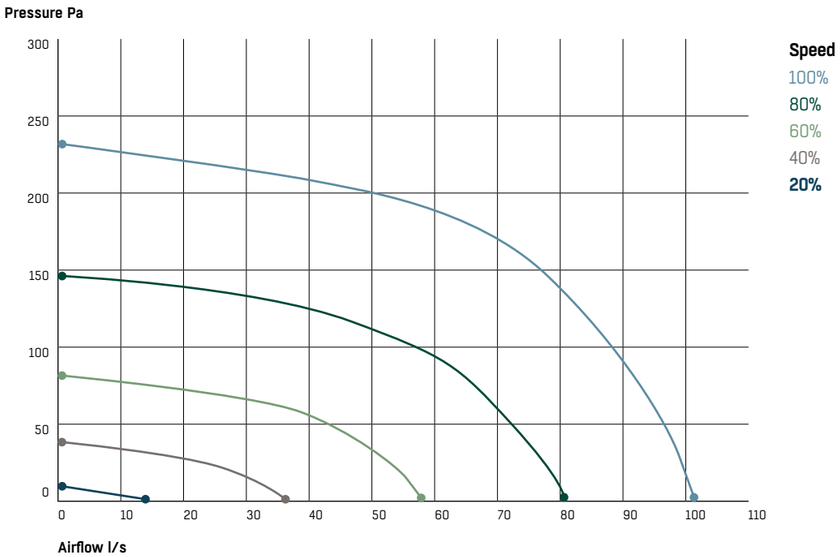
RESULTS for SAP CALCULATIONS
ENERGY LEVEL PERFORMANCE - using rigid ducting only

	2009 Data			2012 Data		
Exhaust Terminal Configuration	**Airflow (l/sec)**	**Specific Fan Power (W/l/sec)**	**Heat Exchange Efficiency**	**Airflow (l/sec)**	**Specific Fan Power (W/l/sec)**	**Heat Exchange Efficiency**
Kitchen + 1 additional wet room	15	0.50	94%	21	0.51	93%
Kitchen + 2 additional wet rooms	21	0.50	93%	29	0.61	91%
Kitchen + 3 additional wet rooms	27	0.55	92%	37	0.75	90%
Kitchen + 4 additional wet rooms	33	0.65	91%	45	0.92	89%

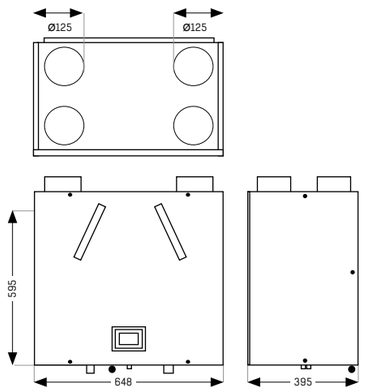
Figures at minimum flow rate conditions

EIS 95 - WHISPER

PERFORMANCE



DIMENSIONS - MM



MODELS AVAILABLE

- **EIS 95 / WHISPER / LCD** BYPASS, ATTENUATION, UNIVERSAL, INTEGRAL LCDCD
- **EIS 95 / WHISPER / LCD / LH** BYPASS, ATTENUATION, LEFT HANDED, HUMIDISTAT, INTEGRAL LCDD
- **EIS 95 / WHISPER / LCD / RH** BYPASS, ATTENUATION, RIGHT HANDED, HUMIDISTAT, INTEGRAL LCD

WHOLE HOUSE MECHANICAL VENTILATION
WITH HEAT RECOVERY - MVHR

WALL MOUNTED ACOUSTIC MVHR

WHISPER RANGE

TAKE FLÄKT HOME

EIS 163 - WHISPER

EIS 163 - WHISPER **QUICK FACTS**

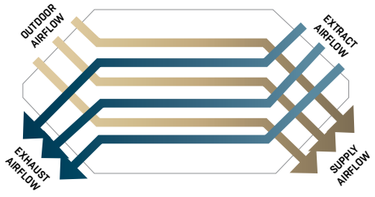
- Very low noise levels - lined with Class "0" fire resistant acoustic foam
- With summer bypass and frost-stat
- Efficient, low energy solution to control moisture and pollution in residential properties up to 250m²
- Up to 92% heat exchange efficiency
- Variable choice of low (trickle), boost and purge speed at installation
- For wall, cupboard or loft installation - no extra cabinet required
- Universal handing for models without humidistat
- Low running costs
- Complies with Building Regulations Parts L1A 2013 and F 2013
- Manufactured in UK to ISO 9001
- Accurate commissioning via integral touch screen LCD

GENERAL FEATURES

- Extremely low noise levels
- Up to 163 litre/sec at 50pa - max 177 litre/sec capacity
- Sfp down to 0.40 W/l/s
- Summer bypass which allows the airflow to bypass the heat exchanger automatically when internal and external temperatures are between adjustable setpoints.
- Frost-stat
- Run-time and power outage counters
- Easy to install and maintain
- Easy to access ISO Coarse filters
- Universal handing for models without humidistat - left or right
- For fitting vertically into lofts, or cupboards - wall fixing bracket supplied - weight only 42 kgs
- Variable low (trickle), boost and purge options for each motor
- Boost speed can be activated by a 230v switched live from:
  - A light switch (if more than one light switch is used, each one must be a double pole switch)
  - Remote humidistat
  - Passive infra red
  - Remote switch/pull cord
- Ultra quiet
- Low running costs

TECHNICAL FEATURES

- Casing from steel sheet - epoxy paint finish
- Lined with Class "0" fire resistant acoustic foam
- Low energy EC brushless motor with single width, single inlet, direct drive, forward curved impellors
- Operates in temperature up to 60°C
- Easy to access standard, disposable ISO Coarse filters
- Counter flow heat exchanger



CONTROL FEATURES - STANDARD

- Independent variable speed adjustment for each motor for trickle, boost and purge speeds.
- Adjustable boost speed over-run timer from 0 to 90 minutes.
- Adjustable boost speed delay from 0 to 5 minutes
- Remote purge - adjustable over-run timer from 0 to 250 minutes, pre-set to 15 minutes (adjustable at factory).
- Adjustable night time boost and purge inhibitor
- Integral frost-stat - proportionally reduces intake motor speed as temperature falls
- Automatic summer bypass

CONTROL FEATURES - CUSTOMISED FACTORY SETTINGS

- Change of ductwork handing on humidistat version (trip point can be set at manufacture)
- Integral humidistat - proportionally increases motor speeds with rising humidity
- 0-10V connections can be added for:
  - BMS - for remote motor shut-off
  - CO_2 detector
  - Home automation system
- Relay for external pre-heater
- 3 Speed selector switch
- Remote purge
- Purge speed over-run time
- Holiday mode for reduced speeds when property is unoccupied (factory set option) - default setting is 50% of trickle speed
- Run-time and power outage counters downloadable via QR code.

COMPLIES WITH

- Part L1A 2013 of Building Regulations for enhanced energy saving capability
- Part F 2013 of Building Regulations for reliable, efficient ventilation
- EU RoHS Directive Compliant.
- Complies with IEC60335-2-80, LVD2006/95/CE and EMC2014/30/UE (European Directive against radio interference and electro-magnetic compatibility
- Manufactured in UK to ISO 9001
- CE marked
- SAP PCDB Listed

TECHNICAL CHARACTERISTICS

Model	Airflow l/sec					Total Power - Watts				
	100%	80%	60%	40%	20%	100%	80%	60%	40%	20%
EIS 163 - WHISPER	177	138	99	60	23	176	97	44	17	4

EIS 163 - WHISPER		Sound Power Levels, Lw (dB) - Octave Bands Frequency Hz.								Sound Pressure dBA @ 3m	Noise Rating based on dB @ 1m
Curve Ref		63	125	250	500	1k	2k	4k	8k		
100% (177 l/sec)	Extract	60	64	51	46	38	30	24	54		
	Supply	70	74	69	59	53	46	42	59		
	Breakout	54	58	52	44	43	41	20	32	36.8	41
80% (138 l/sec)	Extract	57	63	51	42	33	24	18	46		
	Supply	69	70	67	56	50	41	37	51		
	Breakout	51	55	48	40	39	36	15	28	32.4	38
60% (99 l/sec)	Extract	52	51	39	30	21	8	6	36		
	Supply	68	63	54	53	44	38	36	41		
	Breakout	47	46	39	30	29	23	7	24	23.4	29
40% (60 l/sec)	Extract	47	45	29	21	9	2	6	21		
	Supply	58	49	45	34	27	12	7	26		
	Breakout	42	37	32	21	16	8	6	21	15.1	20
20% (23 l/sec)	Extract	32	28	13	11	0	2	6	11		
	Supply	39	31	27	14	5	2	6	15		
	Breakout	26	23	13	5	1	2	6	14	<5.0	<10

The breakout dB(A) sound pressure values are given for hemispherical free field propagation at a distance of 3m from the unit
All the above data has been independently tested to BS EN ISO 3743-1:2010

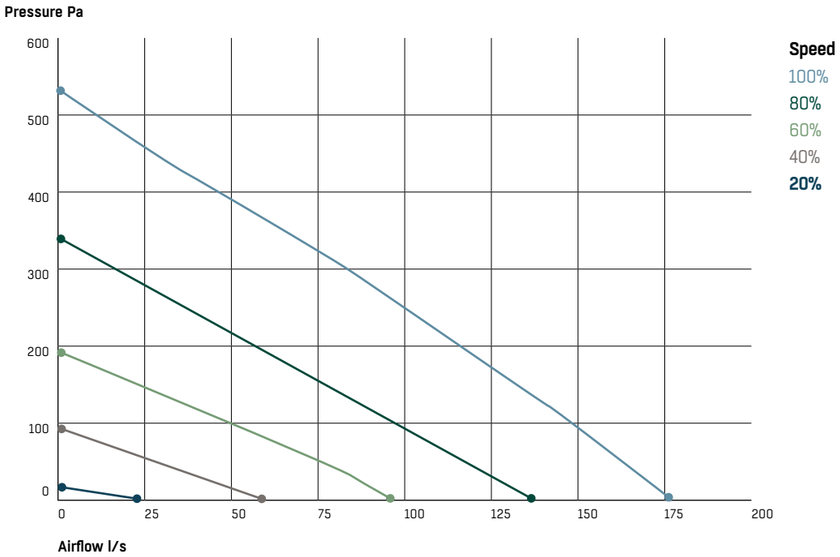
RESULTS for SAP CALCULATIONS
ENERGY LEVEL PERFORMANCE - using rigid ducting only

	2009 Data			2012 Data		
Exhaust Terminal Configuration	**Airflow (l/sec)**	**Specific Fan Power W/l/sec)**	**Heat Exchange Efficiency**	**Airflow (l/sec)**	**Specific Fan Power W/l/sec)**	**Heat Exchange Efficiency**
Kitchen + 1 additional wet room	15	0.43	92%	21	0.45	92%
Kitchen + 2 additional wet rooms	21	0.40	92.%	29	0.47	92%
Kitchen + 3 additional wet rooms	27	0.42	92%	37	0.54	91%
Kitchen + 4 additional wet rooms	33	0.48	91%	45	0.66	90%
Kitchen + 5 additional wet rooms	39	0.55	91%	53	0.80	90%
Kitchen + 6 additional wet rooms	45	0.63	90%	61	0.99	89%
Kitchen + 7 additional wet rooms	51	0.76	90%	69	1.21	89%

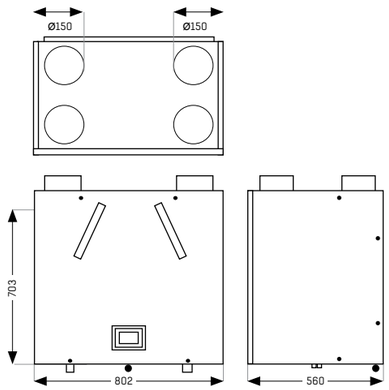
Figures at minimum flow rate conditions

EIS 163 - WHISPER

PERFORMANCE



DIMENSIONS - MM



MODELS AVAILABLE

- **EIS 163 / WHISPER / LCD** BYPASS, ATTENUATION, UNIVERSAL, INTEGRAL LCD
- **EIS 163 / WHISPER / LH / LCD** BYPASS, ATTENUATION, LEFT HANDED, HUMIDISTAT, INTEGRAL LCD
- **EIS 163 / WHISPER / RH / LCD** BYPASS,ATTENUATION, RIGHT HANDED, HUMIDISTAT, INTEGRAL LCD

WHISPER RANGE

TAKE FLÄKT HOME

WALL MOUNTED ACOUSTIC MVHR

EIS 230 - WHISPER

EIS 230 - WHISPER **QUICK FACTS**

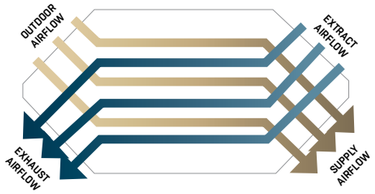
- Very low noise levels - lined with Class "0" fire resistant acoustic foam
- With summer bypass and frost-stat
- Efficient, low energy solution to control moisture and pollution in residential properties up to 400m^2
- Up to 89% heat exchange efficiency
- Variable choice of low (trickle), boost and purge speed at installation
- For wall, cupboard or loft installation - no extra cabinet required
- Universal handing for models without humidistat
- Low running costs
- Complies with Building Regulations Parts L1A 2013 and F 2013
- Manufactured in UK to ISO 9001
- Accurate commissioning via integral touch screen LCD

GENERAL FEATURES

- Up to 230 litre/sec at 50pa - max 238 litre/sec capacity
- Sfp down to 0.46 W/l/s
- Summer bypass which allows the airflow to bypass the heat exchanger automatically when internal and external temperatures are between adjustable setpoints.
- Frost-stat
- Run-time and power outage counters
- Easy to install and maintain
- Easy to access ISO Coarse filters
- Universal handing for models without humidistat - left or right for fitting vertically into lofts, or cupboards - wall fixing bracket supplied-- weight only 42 kgs
- Variable low (trickle), boost and purge options for each motor
- Boost speed can be activated by a 230V switched live from:
  - A light switch (if more than one light switch is used, each one must be a double pole switch)
  - Remote humidistat
  - Passive infra red
  - Remote switch/pull cord
- Low running costs

TECHNICAL FEATURES

- Casing from steel sheet - epoxy paint finish
- Foam construction lining
- Low energy EC brushless motor with single width, single inlet, direct drive, forward curved impellors
- Operates in temperature up to 60°C
- Easy to access standard, disposable ISO Coarse filters
- Counter flow heat exchanger



CONTROL FEATURES - STANDARD

- Independent variable speed adjustment for each motor for trickle, boost and purge speeds.
- Adjustable boost speed over-run timer from 0 to 90 minutes.
- Adjustable boost speed delay from 0 to 5 minutes
- Remote purge - adjustable over-run timer from 0 to 250 minutes, pre-set to 15 minutes (adjustable at factory).
- Adjustable night time boost and purge inhibitor
- Integral frost-stat - proportionally reduces intake motor speed as temperature falls
- Automatic summer bypass

CONTROL FEATURES - CUSTOMISED FACTORY SETTINGS

- Change of ductwork handing on humidistat version (trip point can be set at manufacture)
- Integral humidistat - proportionally increases motor speeds with rising humidity
- 0-10V connections can be added for:
  - BMS - for remote motor shut-off
  - CO_2 detector
  - Home automation system
- Relay for external pre-heater
- 3 Speed selector switch
- Remote purge
- Purge speed over-run time
- Holiday mode for reduced speeds when property is unoccupied (factory set option) - default setting is 50% of trickle speed
- Run-time and power outage counters downloadable via QR code.

COMPLIES WITH

- Part L1A 2013 of Building Regulations for enhanced energy saving capability
- Part F 2013 of Building Regulations for reliable, efficient ventilation
- EU RoHS Directive Compliant.
- Complies with IEC60335-2-80, LVD2006/95/CE and EMC2014/30/UE (European Directive against radio interference and electro-magnetic compatibility
- Manufactured in UK to ISO 9001
- CE marked
- SAP PCDB Listed

EIS 230 - WHISPER

TECHNICAL CHARACTERISTICS

Model	Airflow l/sec					Total Power - Watts				
	100%	80%	60%	40%	20%	100%	80%	60%	40%	20%
EIS 230 - WHISPER	238	186	135	84	35	355	184	85	32	8

EIS 230 - WHISPER		Sound Power Levels, Lw (dB) - Octave Bands Frequency Hz.								Sound Pressure dBA @ 3m	Noise Rating based on dB @ 1m
Curve Ref		63	125	250	500	1k	2k	4k	8k		
100% (238 l/sec	Extract	61	63	57	49	43	34	28	54		
	Supply	75	79	74	66	63	52	52	59		
	Breakout	61	61	56	49	52	46	29	32	41.1	47
80% (186 l/sec)	Extract	57	59	51	44	37	28	23	46		
	Supply	71	71	66	60	58	46	47	51		
	Breakout	57	57	48	43	44	38	22	28	34.9	40
60% (135 l/sec)	Extract	51	55	45	36	27	15	8	36		
	Supply	64	68	60	51	48	34	29	41		
	Breakout	51	54	42	37	36	28	10	24	28.9	37
40% (84 l/sec)	Extract	49	44	35	26	17	4	6	21		
	Supply	59	52	48	41	36	19	12	26		
	Breakout	52	38	36	25	21	11	7	21	20.7	26
20% 35 l/sec	Extract	36	36	28	12	3	2	6	11		
	Supply	42	41	31	21	12	2	6	15		
	Breakout	35	31	15	7	1	3	7	14	5.8	12

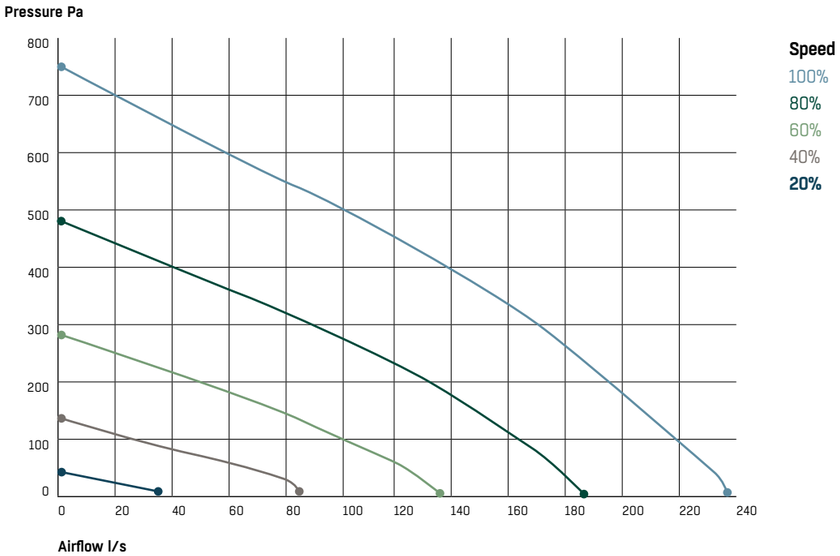
The breakout dB(A) sound pressure values are given for hemispherical free field propagation at a distance of 3m from the unit
All the above data has been independently tested to BS EN ISO 3743-1:2010

RESULTS for SAP CALCULATIONS
ENERGY LEVEL PERFORMANCE - using rigid ducting only

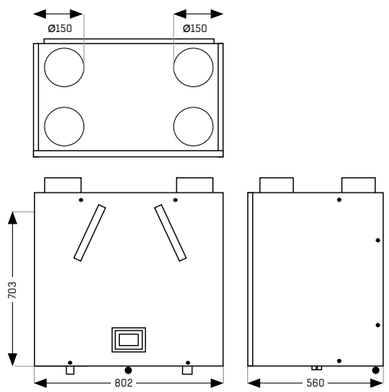
	2009 Data			2012 Data		
Exhaust Terminal Configuration	**Airflow (l/sec)**	**Specific Fan Power (W/l/sec)**	**Heat Exchange Efficiency**	**Airflow (l/sec)**	**Specific Fan Power (W/l/sec)**	**Heat Exchange Efficiency**
Kitchen + 1 additional wet room	15	0.75	89%	21	0.56	89%
Kitchen + 2 additional wet rooms	21	0.56	89%	29	0.47	89%
Kitchen + 3 additional wet rooms	27	0.46	89%	37	0.50	88%
Kitchen + 4 additional wet rooms	33	0.46	88%	45	0.56	87%
Kitchen + 7 additional wet rooms	51	0.63	86%	69	0.94	84%

Figures at minimum flow rate conditions

PERFORMANCE



DIMENSIONS - MM



MODELS AVAILABLE

- **EIS 230 / WHISPER / LCD** BYPASS, ATTENUATION, UNIVERSAL, INTEGRAL LCD
- **EIS 230 / WHISPER /LH / LCD** BYPASS, ATTENUATION, LEFT HANDED, HUMIDISTAT, INTEGRAL LCD
- **EIS 230 / WHISPER / RH / LCD** BYPASS, ATTENUATION, RIGHT HANDED, HUMIDISTAT, INTEGRAL LCD

TAKE FLÄKT HOME

IN-LINE MVHR

FLÄKTMASTER 55

FLÄKTMASTER 55 **QUICK FACTS**

- With summer bypass and frost-stat
- Efficient, low energy solution to control moisture and pollution in residential properties up to 100m²
- Up to 80% heat exchange efficiency
- Variable choice of low (trickle), boost and purge speed at installation
- For ceiling, loft or void installation
- Low noise levels
- Low running costs
- Complies with Building Regulations Parts L1A 2013 and F 2013
- Manufactured in UK to ISO 9001
- Accurate commissioning via remote LCD commissioning unit

GENERAL FEATURES

- For 1 or 2 bedroom apartments, hotel rooms, student accommodation, extra care facilities, multi-occupancy establishments etc
- Up to 55 litre/sec at 50pa - max 59 litre/sec capacity
- Sfp down to 0.91 W/l/s
- Summer bypass which allows the airflow to bypass the heat exchanger automatically when internal and external temperatures are between adjustable setpoints.
- Frost-stat
- Run-time and power outage counters
- Easy to install and maintain
- For ceiling, loft or void in-line installation
- Variable low (trickle), boost and purge options for each motor
- Boost speed can be activated by a 230v switched live from:
  - A light switch (if more than one light switch is used, each one must be a double pole switch)
  - Remote humidistat
  - Passive infra red
  - Remote switch/pull cord
- Very low noise levels
- Low running costs

CONTROL FEATURES - STANDARD

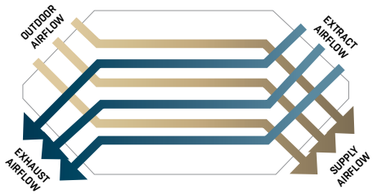
- Independent variable speed adjustment for each motor for trickle, boost and purge speeds.
- Adjustable boost speed over-run timer from 0 to 90 minutes.
- Adjustable boost speed delay from 0 to 5 minutes
- Remote purge - adjustable over-run timer from 0 to 250 minutes, pre-set to 15 minutes (adjustable at factory).
- Adjustable night time boost and purge inhibitor
- Integral frost-stat - proportionally reduces intake motor speed as temperature falls
- Automatic summer bypass

CONTROL FEATURES - CUSTOMISED FACTORY SETTINGS

- Change of ductwork handing on humidistat version (trip point can be set at manufacture)
- Integral humidistat - proportionally increases motor speeds with rising humidity
- 0-10V connections can be added for:
  - BMS - for remote motor shut-off
  - CO_2 detector
  - home automation system
- Relay for external pre-heater
- 3 Speed selector switch
- Remote purge
- Purge speed over-run time
- Holiday mode for reduced speeds when property is unoccupied (factory set option) - default setting is 50% of trickle speed
- Run-time and power outage counters downloadable via QR code.

TECHNICAL FEATURES

- Compact low profile unit with galvanised sheet steel casing
- Thermo-acoustic lining
- Pre-wired for easy electrical connection
- Low energy EC brushless motor with single width, single inlet, direct drive, backward curved impellors
- Operates in temperature up to 50°C
- Easy to access ISO Coarse filters
- Counter flow heat exchanger



COMPLIES WITH

- Part L1A 2013 of Building Regulations for enhanced energy saving capability
- Part F 2013 of Building Regulations for reliable, efficient ventilation
- EU RoHS Directive Compliant.
- Complies with IEC60335-2-80, LVD2006/95/CE and EMC2014/30/UE (European Directive against radio interference and electro-magnetic compatibility
- Manufactured in UK to ISO 9001
- CE marked
- SAP PCDB Listed

TECHNICAL CHARACTERISTICS

Model	Airflow l/sec					Total Power - Watts				
	100%	80%	60%	40%	20%	100%	80%	60%	40%	20%
FLAKTMASTER 55	59	45	30	17	6	100	57	25	10	2

FLAKT-MASTER 55		Sound Power Levels, Lw (dB) - Octave Bands Frequency Hz.								Sound Pressure dBA @ 3m
Curve Ref		63	125	250	500	1k	2k	4k	8k	
100% (59 l/sec)	Extract	63	65	66	66	62	59	57	49	
	Supply	68	70	71	71	67	64	62	54	
	Breakout	66	63	58	52	42	33	25	15	36.3
80% (45 l/sec)	Extract	59	62	61	61	57	54	50	42	
	Supply	64	67	66	66	62	59	55	47	
	Breakout	62	60	53	47	37	28	18	8	31.8
60% (30 l/sec)	Extract	53	57	55	55	50	47	41	32	
	Supply	58	62	60	60	55	52	46	37	
	Breakout	56	55	47	41	30	24	9	< 5	26.1
40% (17 l/sec)	Extract	46	50	47	47	41	37	30	18	
	Supply	51	55	52	52	46	42	35	23	
	Breakout	49	48	39	33	21	11	< 5	< 5	18.4
20% (6 l/sec)	Extract	34	38	33	33	27	22	12	3	
	Supply	39	43	38	38	32	27	17	8	
	Breakout	37	36	25	19	7	< 5	< 5	< 5	<10.0

The breakout dB(A) sound pressure values are given for hemispherical free field propagation at a distance of 3m from the unit

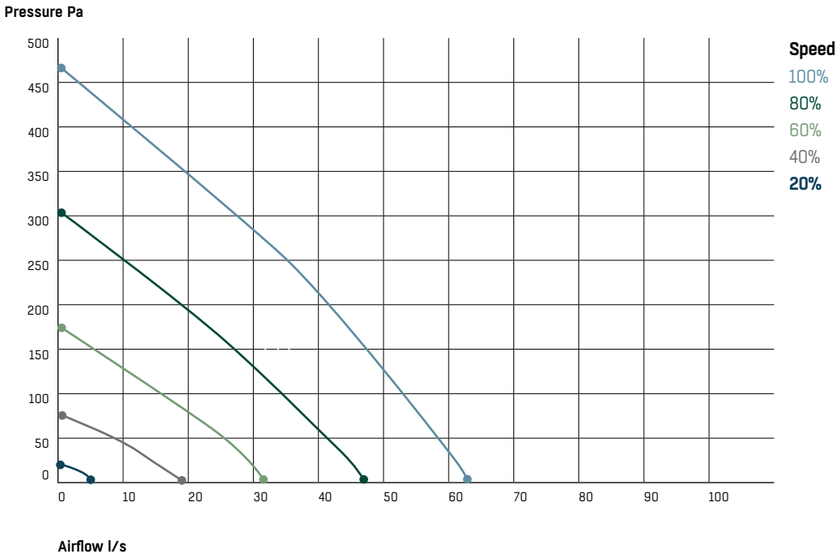
RESULTS for SAP CALCULATIONS
ENERGY LEVEL PERFORMANCE - using rigid ducting only

	2009 Data			2012 Data		
Exhaust Terminal Configuration	**Airflow (l/sec)**	**Specific Fan Power (W/l/sec)**	**Heat Exchange Efficiency**	**Airflow (l/sec)**	**Specific Fan Power (W/l/sec)**	**Heat Exchange Efficiency**
Kitchen + 1 additional wet room	15	0.91	80%	21	0.96	79%
Kitchen + 2 additional wet rooms	21	0.92	79%	29	1.08	78%
Kitchen + 3 additional wet rooms	27	1.03	78%	37	1.37	77%

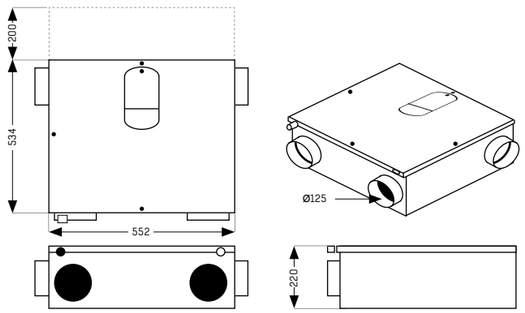
Figures at minimum flow rate conditions

FLÄKTMASTER 55

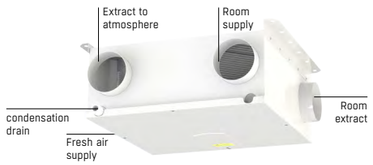
PERFORMANCE



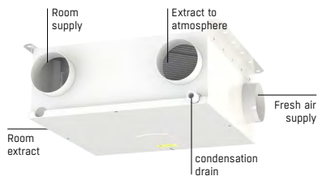
DIMENSIONS - MM



OPTION 1 (RIGHT HAND)



OPTION 2 (LEFT HAND)



MODELS AVAILABLE

- **EIS FLAKTMASTER 55 / LB** LEFT HANDED, BYPASS
- **EIS FLAKTMASTER 55 / RB** RIGHT HANDED, BYPASS
- **EIS FLAKTMASTER 55 / LBH** LEFT HANDED, BYPASS, HUMIDISTAT
- **EIS FLAKTMASTER 55 / RBH** RIGHT HANDED, BYPASS, HUMIDISTAT

TAKE FLÄKT HOME

IN-LINE MVHR

FLÄKTMASTER 80

FLAKTMASTER 80 **QUICK FACTS**

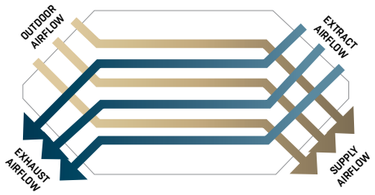
- With summer bypass and frost-stat
- Efficient, low energy solution to controlmoisture and pollution in residential properties up to 150m²
- Up to 88% heat exchange efficiency
- Variable choice of low (trickle), boost and purge speed at installation
- For ceiling, loft or void installation
- Low noise levels
- Low running costs
- Complies with Building Regulations Parts L1A 2013 and F 2013
- Manufactured in UK to ISO 9001
- Accurate commissioning via remote LCD commissioning unit

GENERAL FEATURES

- Up to 80 litre/sec at 50Pa - max 85 litre/sec capacity
- Sfp down to 0.70 W/l/s
- Summer bypass which allows the airflow to bypass the heat exchanger automatically when internal and external temperatures are between adjustable setpoints.
- Frost-stat
- Run-time and power outage counters
- Easy to install and maintain
- For ceiling, loft or void in-line installation
- Variable low (trickle), boost and purge options for each motor
- Boost speed can be activated by a 230v switched live from:
  - A light switch (if more than one light switch is used, each one must be a double pole switch)
  - Remote humidistat
  - Passive infra red
  - Remote switch/pull cord
- Very low noise levels
- Low running costs
-

TECHNICAL FEATURES

- Compact low profile unit
- Spigot size 204mm x 60mm
- Casing from galvanised sheet steel
- Thermo-acoustic lining
- Pre-wired for easy electrical connection
- Low energy EC brushless motor with single width, single inlet, direct drive, backward curved impellors
- Operates in temperature up to 60°C
- Easy to access ISO Coarse Filters
- Counter flow heat exchanger
- All models bottom access only



CONTROL FEATURES - STANDARD

- Independent variable speed adjustment for each motor for trickle, boost and purge speeds.
- Adjustable boost speed over-run timer from 0 to 90 minutes.
- Adjustable boost speed delay from 0 to 5 minutes
- Remote purge - adjustable over-run timer from 0 to 250 minutes, pre-set to 15 minutes (adjustable at factory).
- Adjustable night time boost and purge inhibitor
- Integral frost-stat - proportionally reduces intake motor speed as temperature falls
- Automatic summer bypass

CONTROL FEATURES - CUSTOMISED FACTORY SETTINGS

- Change of ductwork handing on humidistat version (trip point can be set at manufacture)
- Integral humidistat - proportionally increases motor speeds with rising humidity
- 0-10v connections can be added for:
  - BMS - for remote motor shut-off
  - CO_2 detector
  - Home automation system
- Relay for external pre-heater
- 3 Speed selector switch
- Remote purge
- Purge speed over-run time
- Holiday mode for reduced speeds when property is unoccupied (factory set option) - default setting is 50% of trickle speed
- Run-time and power outage counters downloadable via qr code.

COMPLIES WITH

- Part L1A 2013 of Building Regulations for enhanced energy saving capability
- Part F 2013 of Building Regulations for reliable, efficient ventilation
- EU RoHS Directive Compliant.
- Complies with IEC60335-2-80, LVD2006/95/CE and EMC2014/30/UE (European Directive against radio interference and electro-magnetic compatibility
- Manufactured in UK to ISO 9001
- CE marked
- SAP PCDB Listed

TECHNICAL CHARACTERISTICS

Model	Airflow l/sec					Total Power - Watts				
	100%	80%	60%	40%	20%	100%	80%	60%	40%	20%
FLAKTMASTER 80	85	67	48	30	12	101	53	23	9	2

FLAKT-MASTER 80		Sound Power Levels, Lw (dB) - Octave Bands Frequency Hz.								Sound Pressure dBA @ 3m
Curve Ref		63	125	250	500	1k	2k	4k	8k	
100% (85 l/sec)	Extract	63	60	62	64	61	59	60	50	
	Supply	68	65	67	69	66	64	65	55	
	Breakout	66	58	54	50	41	33	28	16	33.4
80% (67 l/sec)	Extract	59	57	58	58	56	53	53	42	
	Supply	64	62	63	63	61	58	58	47	
	Breakout	62	55	50	44	36	27	21	8	28.7
60% (48 l/sec)	Extract	54	51	51	52	49	46	43	31	
	Supply	59	56	56	57	54	51	48	36	
	Breakout	57	49	43	38	29	20	11	< 5	22.4
40% (30 l/sec)	Extract	46	44	43	42	40	36	31	17	
	Supply	51	49	48	47	45	41	36	22	
	Breakout	49	42	35	28	20	10	< 5	< 5	14.1
20% (12 l/sec)	Extract	33	33	29	28	24	20	5	3	
	Supply	38	38	34	33	29	25	10	8	
	Breakout	36	31	21	14	< 5	< 5	< 5	< 5	< 10.0

The breakout dB(A) sound pressure values are given for hemispherical free field propagation at a distance of 3m from the unit

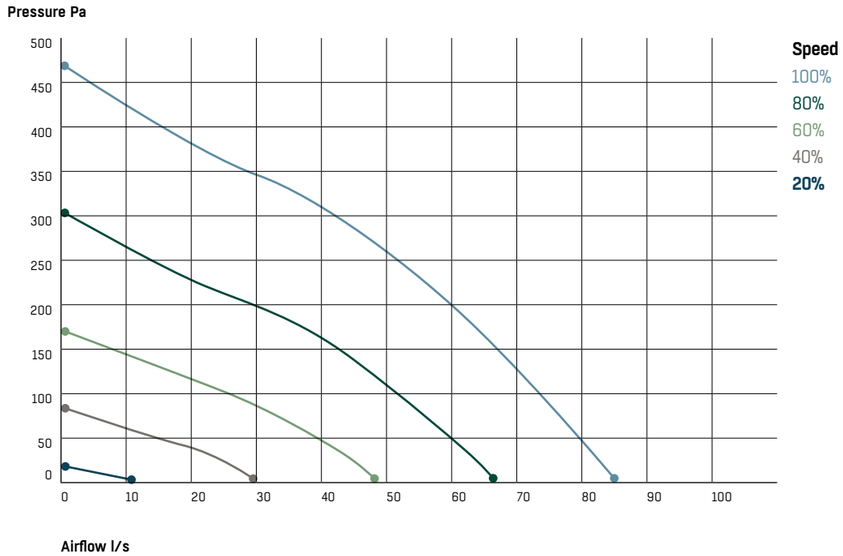
RESULTS for SAP CALCULATIONS
ENERGY LEVEL PERFORMANCE - using rigid ducting only

Exhaust Terminal Configuration	2009 Data			2012 Data		
	Airflow (l/sec)	Specific Fan Power (W/l/sec)	Heat Exchange Efficiency	Airflow (l/sec)	Specific Fan Power (W/l/sec)	Heat Exchange Efficiency
Kitchen + 1 additional wet room	15	0.70	88%	21	0.75	87%
Kitchen + 2 additional wet rooms	21	0.72	87%	29	0.89	86%
Kitchen + 3 additional wet rooms	27	0.82	87%	37	1.00	85%
Kitchen + 4 additional wet rooms	33	0.99	86%	45	1.37	84%

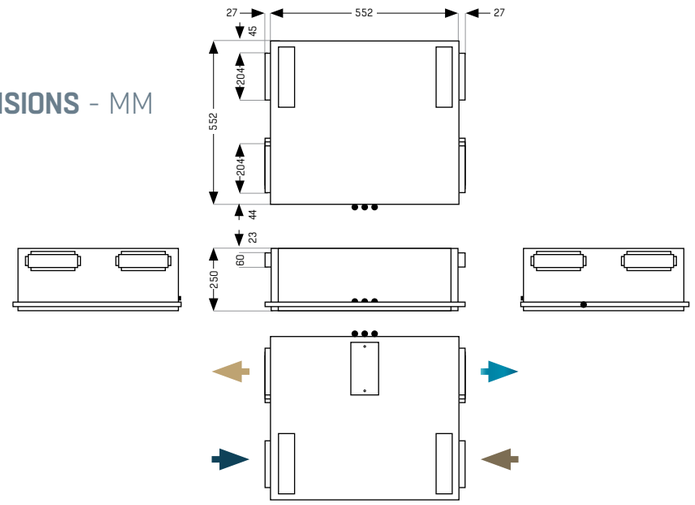
Figures at minimum flow rate conditions

FLÄKTMASTER 80

PERFORMANCE



DIMENSIONS - MM



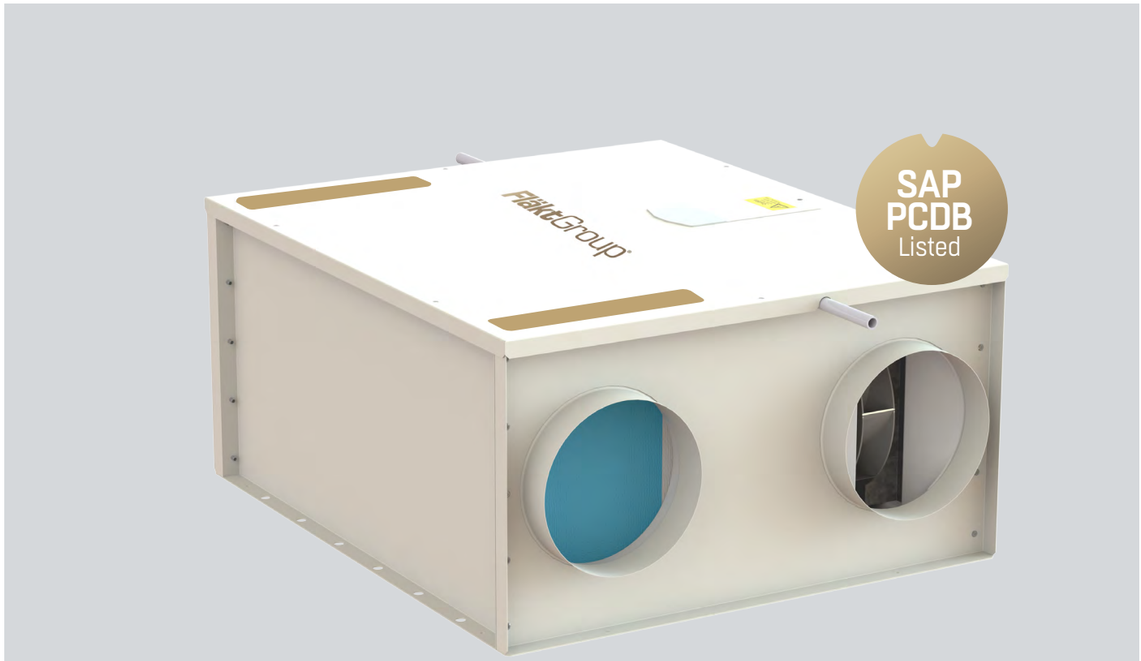
MODELS AVAILAIBLE

- **EIS FLAKTMASTER 80** BOTTOM ACCESS BYPASS
- **EIS FLAKTMASTER 80 / LH** BOTTOM ACCESS, LEFT HANDED, BYPASS, HUMIDISTAT
- **EIS FLAKTMASTER 80 / RH** BOTTOM ACCESS, RIGH HANDED, BYPASS HUMIDISTAT

TAKE FLÄKT HOME

IN-LINE MVHR

FLÄKTMASTER 107



FLAKTMASTER 107 **QUICK FACTS**

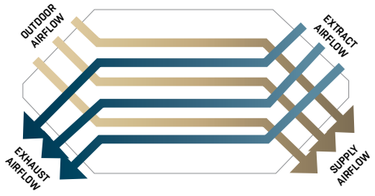
- With summer bypass and frost-stat
- Efficient, low energy solution to controlmoisture and pollution in residential properties up to 200m²
- Up to 88% heat exchange efficiency
- Variable choice of low (trickle), boost and purge speed at installation
- For ceiling, loft or void installation
- Low noise levels
- Low running costs
- Complies with Building Regulations Parts L1A 2013 and F 2013
- Manufactured in UK to ISO 9001
- Accurate commissioning via remote LCD commissioning unit

GENERAL FEATURES

- Up to 107 litre/sec at 50pa - max 116 litre/sec capacity
- Sfp down to 0.67 W/l/s
- Summer bypass which allows the airflow to bypass the heat exchanger automatically when internal and external temperatures are between adjustable setpoints.
- Frost-stat
- Run-time and power outage counters
- Easy to install and maintain
- For ceiling, loft or void in-line installation
- Variable low (trickle), boost and purge options for each motor
- Boost speed can be activated by a 230v switched live from:
  - A light switch (if more than one light switch is used, each one must be a double pole switch)
  - Remote humidistat
  - Passive infra red
  - Remote switch/pull cord
- Very low noise levels
- Low running costs
- 5 Year warranty - 1 year parts and labour, 4 years parts only

TECHNICAL FEATURES

- Compact low profile unit
- Casing from galvanised sheet steel
- Thermo-acoustic lining
- Pre-wired for easy electrical connection
- Low energy EC brushless motor with single width, single inlet, direct drive, backward curved impellors
- Operates in temperature up to 60°C
- Easy to access ISO Coarse filters
- Counter flow heat exchanger
- All models bottom access only



CONTROL FEATURES - STANDARD

- Independent variable speed adjustment for each motor for trickle, boost and purge speeds.
- Adjustable boost speed over-run timer from 0 to 90 minutes.
- Adjustable boost speed delay from 0 to 5 minutes
- Remote purge - adjustable over-run timer from 0 to 250 minutes, pre-set to 15 minutes (adjustable at factory).
- Adjustable night time boost and purge inhibitor
- Integral frost-stat - proportionally reduces intake motor speed as temperature falls
- Automatic summer bypass

CONTROL FEATURES - CUSTOMISED FACTORY SETTINGS

- Change of ductwork handing on humidistat version (trip point can be set at manufacture)
- Integral humidistat - proportionally increases motor speeds with rising humidity
- 0-10V connections can be added for:
  - BMS - for remote motor shut-off
  - CO_2 detector
  - Home automation system
- Relay for external pre-heater
- 3 Speed selector switch
- Remote purge
- Purge speed over-run time
- Holiday mode for reduced speeds when property is unoccupied (factory set option) - default setting is 50% of trickle speed
- Run-time and power outage counters downloadable via qr code.

COMPLIES WITH

- Part L1A 2013 of Building Regulations for enhanced energy saving capability
- Part F 2013 of Building Regulations for reliable, efficient ventilation
- EU RoHS Directive Compliant.
- Complies with IEC60335-2-80, LVD2006/95/CE and EMC2014/30/UE (European Directive against radio interference and electro-magnetic compatibility
- Manufactured in UK to ISO 9001
- CE marked
- SAP PCDB Listed

TECHNICAL CHARACTERISTICS

Model	Airflow l/sec					Total Power - Watts				
	100%	80%	60%	40%	20%	100%	80%	60%	40%	20%
FLAKTMASTER 107	116	90	64	38	14	157	83	39	15	4

FLAKT-MASTER 107		Sound Power Levels, Lw (dB) - Octave Bands Frequency Hz.								Sound Pressure dBA @ 3m
Curve Ref		63	125	250	500	1k	2k	4k	8k	
100% (116 l/sec)	Extract	63	65	64	63	60	57	54	49	
	Supply	68	70	69	68	65	62	59	54	
	Breakout	66	63	56	49	40	31	22	15	34.6
80% (90 l/sec)	Extract	59	61	60	58	54	52	48	41	
	Supply	64	66	65	63	59	57	53	46	
	Breakout	62	59	52	44	34	26	16	9	30.3
60% (64 l/sec)	Extract	53	55	54	52	48	45	40	32	
	Supply	58	60	59	57	53	50	45	37	
	Breakout	56	53	46	38	28	19	8	5	24.3
40% (38 l/sec)	Extract	46	48	46	43	39	35	29	17	
	Supply	51	53	51	48	44	40	34	22	
	Breakout	49	46	38	29	19	9	7	< 5	16.5
20% (14 l/sec)	Extract	35	36	32	28	24	20	7	5	
	Supply	40	41	37	33	29	25	12	10	
	Breakout	38	34	24	14	8	6	< 5	< 5	< 10.0

The breakout dB(A) sound pressure values are given for hemispherical free field propagation at a distance of 3m from the unit

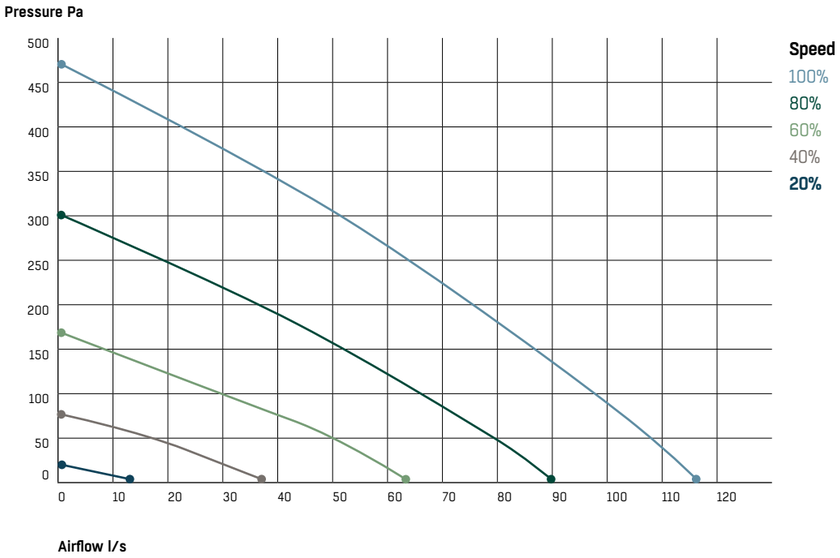
RESULTS for SAP CALCULATIONS
ENERGY LEVEL PERFORMANCE - using rigid ducting only

	2009 Data			2012 Data		
Exhaust Terminal Configuration	**Airflow (l/sec)**	**Specific Fan Power (W/l/sec)**	**Heat Exchange Efficiency**	**Airflow (l/sec)**	**Specific Fan Power (W/l/sec)**	**Heat Exchange Efficiency**
Kitchen + 1 additional wet room	15	0.76	88%	21	0.75	87%
Kitchen + 2 additional wet rooms	21	0.67	87%	29	0.76	85%
Kitchen + 3 additional wet rooms	27	0.69	85%	37	0.86	84%
Kitchen + 4 additional wet rooms	33	0.78	84%	45	1.05	83%

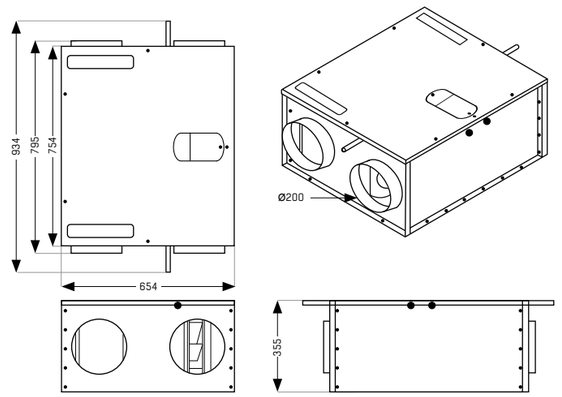
Figures at minimum flow rate conditions

FLÄKTMASTER 107

PERFORMANCE



DIMENSIONS - MM



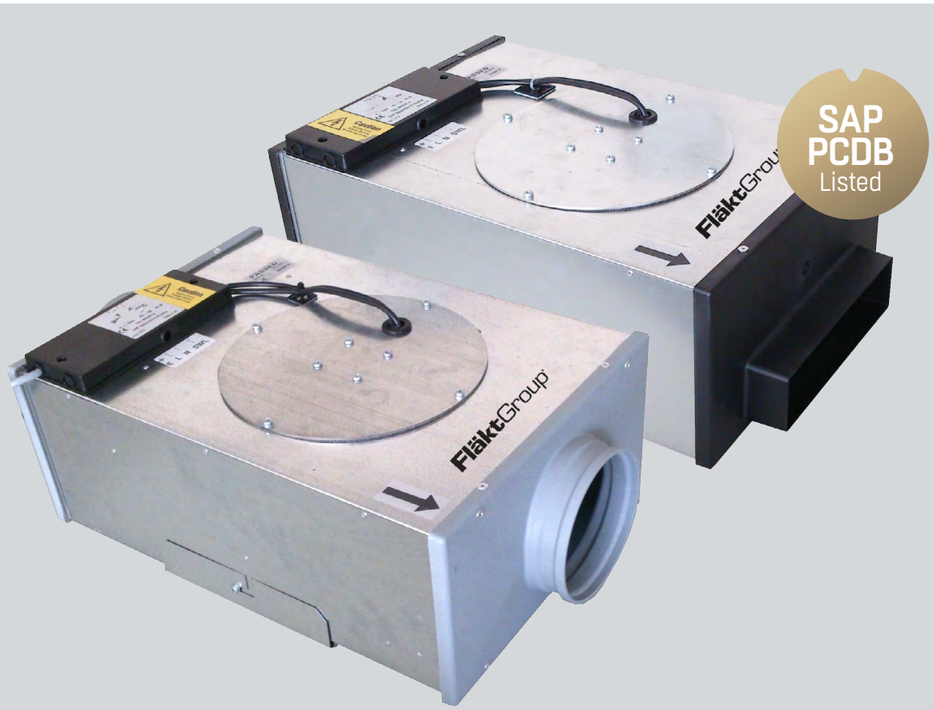
MODELS AVAILABLE

- **EIS FLAKTMASTER 107** BOTTOM ACCESS, BYPASS
- **EIS FLAKTMASTER 107 / LH** BOTTOM ACCESS, LEFT HANDED, BYPASS, HUMIDISTAT
- **EIS FLAKTMASTER 107 / RH** BOTTOM ACCESS, RIGHT HANDED, BYPASSM HUMIDISTAT

TAKE FLÄKT HOME

IN-LINE
MEV

EIS MEV 100



EIS MEV 100 **QUICK FACTS**

- Efficient, low energy solution to control moisture and pollution in residential properties up to 185m²
- Variable choice of low (trickle), boost and purge speed at installation
- For ceiling, loft or void installation
- Compact, ultra low profile unit
- Requires only one discharge grille
- Low noise levels
- Low running costs
- Available with 204 x 60mm spigot
- Humidistat model available
- Complies with Building Regulations Parts L1A 2013 and F 2013
- Manufactured in UK to ISO 9001

GENERAL FEATURES

- Up to 97 litre/sec at 50pa - max 108 litre/sec capacity
- Sfp down to 0.20 W/l/s
- Easy and economical to install and maintain
- For ceiling, loft or void in-line installation
- Can be installed horizontally or vertically
- Variable low (trickle), boost and purge options - purge option factory set
- Boost speed can be activated by a 230v switched live from:
  - A light switch (if more than one light switch is used, each one must be a double pole switch)
  - optional, integral humidistat
  - Passive infra red
  - Remote switch/pull cord
- Very low noise levels
- Low running costs

CONTROL FEATURES

- Variable adjustment - trickle, boost and purge speeds set at installation (purge option factory set)
- Boost setting (via switched live)
- Integral, adjustable over-run timer - adjustable from 0-30 minutes set at installation

COMPLIES WITH

- Part L1A 2013 of Building Regulations for enhanced energy saving capability
- Part F 2013 of Building Regulations for reliable, efficient ventilation
- EU RoHS Directive Compliant.
- Complies with IEC60335-2-80, LVD2006/95/CE and EMC2014/30/UE (European Directive against radio interference and electro-magnetic compatibility
- Manufactured in UK to ISO 9001
- CE marked
- SAP PCDB Listed
- Energy Saving Trust Best Practice Compliant

TECHNICAL FEATURES

- Compact, low profile unit
- Casing from galvanised sheet steel
- Thermal overload protection
- Pre-wired for easy electrical connection
- Service and maintenance panel easily accessible
- Low energy EC external rotor motor with sealed for life bearings and dynamically balanced backward curved impellors
- Operates in temperature up to 60°C
- Complete with mounting bracket and anti-vibration plate
- IPX4 rated

TECHNICAL CHARACTERISTICS

Model	Airflow l/sec					Total Power - Watts				
	max boost	max trickle	80%	60%	40%	max boost	max trickle	80%	60%	40%
EIS MEV 100	108	101	80	60	40	46	45	26	12	6

EIS MEV 100		Sound Power Levels, Lw (dB) - Octave Bands Frequency Hz.								Sound Pressure dBA @ 3m
Curve Ref		63	125	250	500	1k	2k	4k	8k	
Max Boost (108 l/sec)	Extract	53	58	59	55	54	52	48	52	
	Supply	58	63	64	60	59	57	53	57	
	Breakout	56	56	51	41	34	26	16	18	28.2
Max Trickle (101 l/sec)	Extract	52	57	58	54	53	51	46	50	
	Supply	57	62	63	59	58	56	51	55	
	Breakout	55	55	50	40	33	25	14	16	27.2
80% (80 l/sec)	Extract	48	53	53	49	48	46	40	42	
	Supply	53	58	58	54	53	51	45	47	
	Breakout	51	51	45	35	28	20	8	8	22.5
60% (60 l/sec)	Extract	45	49	47	43	42	39	32	32	
	Supply	50	54	52	48	47	44	37	37	
	Breakout	48	47	39	29	22	19	< 5	< 5	17.4
40% (40 l/sec)	Extract	40	42	40	36	35	31	24	12	
	Supply	45	47	45	41	40	36	29	17	
	Breakout	43	40	32	22	15	5	< 5	< 5	10.5

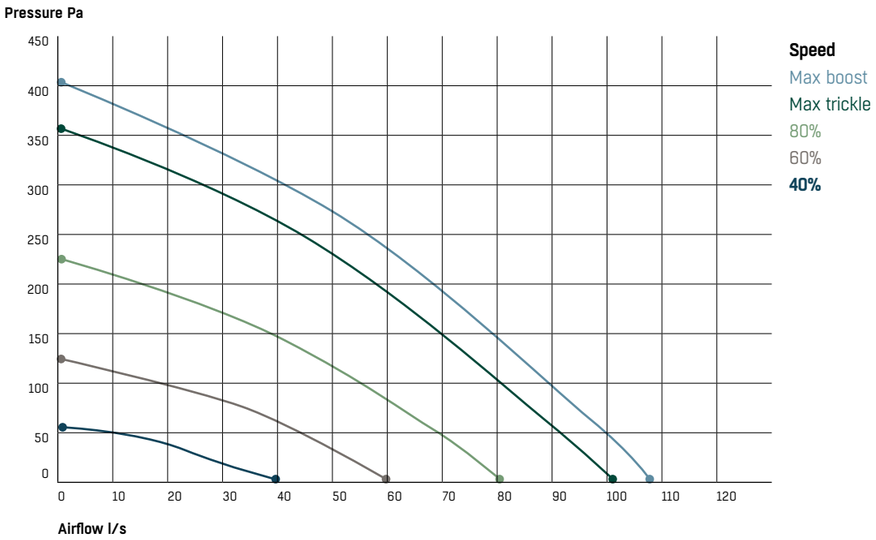
The breakout dB(A) sound pressure values are given for hemispherical free field propagation at a distance of 3m from the unit

RESULTS for SAP CALCULATIONS ENERGY LEVEL PERFORMANCE - using rigid ducting only		
	2012 Data	
Exhaust Terminal Configuration	Airflow (l/sec)	Specific Fan Power (W/l/sec)
Kitchen + 1 additional wet room	21	0.20
Kitchen + 2 additional wet rooms	29	0.26
Kitchen + 3 additional wet rooms	37	0.34
Kitchen + 4 additional wet rooms	45	0.44
Kitchen + 5 additional wet rooms	53	0.55

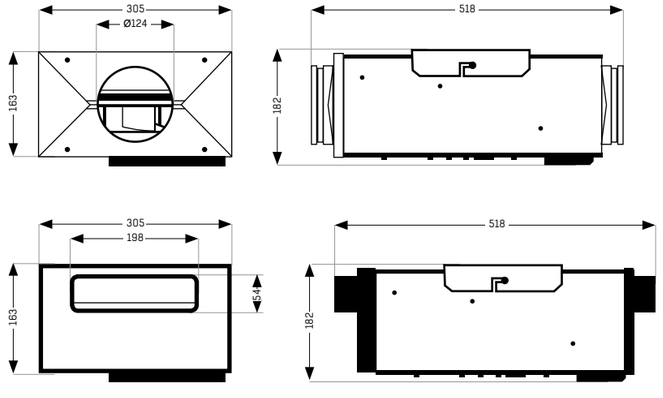
Figures at minimum flow rate conditions

EIS MEV 100

PERFORMANCE



DIMENSIONS - MM



MODELS AVAILABLE

- EIS MEV 100 STANDARD MODEL
- EIS MEV100 / H WITH INTEGRAL HUMIDISTAT
- ~~EIS MEV 100 / 204~~ WITH 204mm X 60mm SPIGOT
- EIS MEV 100 / 204H WITH 204mm X 60mm SPIGOT AND INTEGRAL HUMIDISTAT

TAKE FLÄKT HOME

IN-LINE MEV

EIS MEV 230

EIS MEV 230 **QUICK FACTS**

- Efficient, low energy solution to control moisture and pollution in residential properties up to 335m²
- Variable choice of low (trickle), boost and purge speed at installation
- For ceiling, loft or void installation
- Powerful low profile unit
- Requires only one discharge grille
- Low noise levels
- Low running costs
- Humidistat model available
- Complies with Building Regulations Parts L1A 2013 and F 2013
- Manufactured in UK to ISO 9001

GENERAL FEATURES

- Up to 233 litre/sec at 50pa - max 251 litre/sec capacity
- Sfp down to 0.27 W/l/s
- Easy and economical to install and maintain
- For ceiling, loft or void in-line installation
- Can be angled horizontally or vertically
- Variable low (trickle), boost and purge options - purge option factory set
- Boost speed can be activated by a 230v switched live from:
  - A light switch (if more than one light switch is used, each one must be a double pole switch)
  - Remote humidistat
  - Passive infra red
  - Remote switch/pull cord
- Very low noise levels
- Low running costs

CONTROL FEATURES

- Variable adjustment - trickle, boost and purge speeds set at installation (purge option factory set)
- Boost setting (via switched live)
- Integral, adjustable over-run timer - adjustable from 0-30 minutes set at installation

COMPLIES WITH

- Part L1A 2013 of Building Regulations for enhanced energy saving capability
- Part F 2013 of Building Regulations for reliable, efficient ventilation
- EU RoHS Directive Compliant.
- Complies with IEC60335-2-80, LVD2006/95/CE and EMC2014/30/UE (European Directive against radio interference and electro-magnetic compatibility
- Manufactured in UK to ISO 9001
- CE marked
- SAP PCDB Listed
- Energy Saving Trust Best Practice Compliant

TECHNICAL FEATURES

- Powerful, low profile unit, 232mm deep
- Casing from galvanised sheet steel
- Pre-wired for easy electrical connection
- Service and maintenance panel easily accessible
- Low energy EC external rotor motor with sealed for life bearings and dynamically balanced backward curved impellors
- Operates in temperature up to 60°C
- Complete with mounting bracket and anti-vibration plate
- IPX4 rated

TECHNICAL CHARACTERISTICS

Model	Airflow l/sec					Total Power - Watts				
	max boost	max trickle	80%	60%	40%	max boost	max trickle	80%	60%	40%
EIS MEV 230	251	235	188	141	94	84	48	31	21	15

EIS MEV 230	Sound Power Levels, Lw (dB) - Octave Bands Frequency Hz.									Sound Pressure dBA @ 3m
Curve Ref		63	125	250	500	1k	2k	4k	8k	
Max Boost (251 l/sec)	Extract	58	60	65	63	64	62	58	58	
	Supply	63	65	70	68	69	67	63	63	
	Breakout	61	58	57	49	44	36	26	24	34.4
Max Trickle (235 l/sec)	Extract	57	59	64	61	62	60	57	56	
	Supply	62	64	69	66	67	65	62	61	
	Breakout	60	57	56	47	42	34	25	22	33.0
80% (188 l/sec)	Extract	53	55	59	56	57	55	50	48	
	Supply	58	60	64	61	62	60	55	53	
	Breakout	56	53	51	42	37	29	18	14	28.2
60% (141 l/sec)	Extract	49	50	52	49	50	48	42	39	
	Supply	54	55	57	54	55	53	47	44	
	Breakout	52	48	44	35	30	22	10	5	21.6
40% (94 l/sec)	Extract	43	42	43	40	41	38	32	25	
	Supply	48	47	48	45	46	43	37	30	
	Breakout	46	40	35	26	21	12	< 5	< 5	13.0

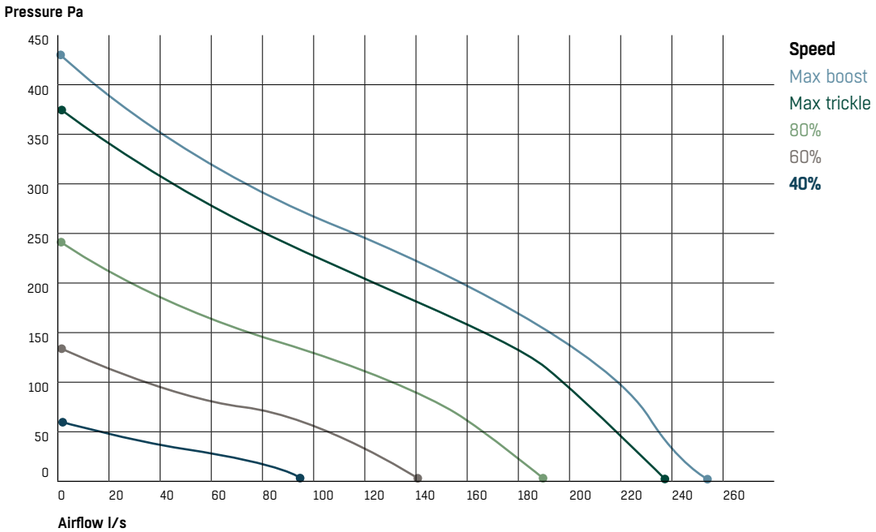
The breakout dB(A) sound pressure values are given for hemispherical free field propagation at a distance of 3m from the unit

RESULTS for SAP CALCULATIONS ENERGY LEVEL PERFORMANCE - using rigid ducting only		
	2012 Data	
Exhaust Terminal Configuration	**Airflow (l/sec)**	**Specific Fan Power (W/l/sec)**
Kitchen + 1 additional wet room	21	0.28
Kitchen + 2 additional wet rooms	29	0.27
Kitchen + 3 additional wet rooms	37	0.28
Kitchen + 4 additional wet rooms	45	0.36
Kitchen + 5 additional wet rooms	53	0.42
Kitchen + 6 additional wet rooms	61	0.52

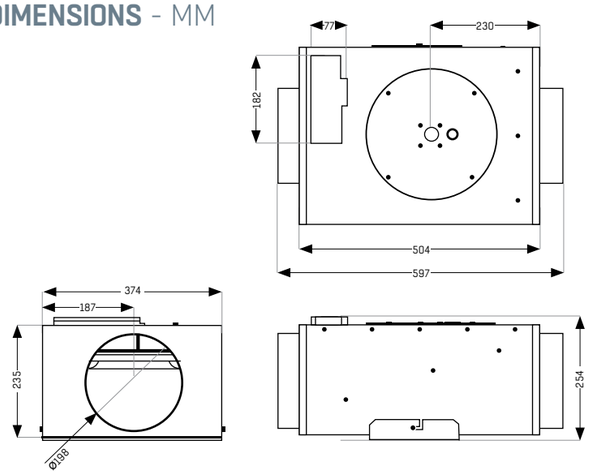
Figures at minimum flow rate conditions

EIS MEV 230

PERFORMANCE



DIMENSIONS - MM



MODELS AVAILABLE

- **EIS MEV 230** STANDARD MODEL
- **EIS MEV 230H** WITH INTEGRAL HUMIDISTAT

also available with 150mm dia spigot or rectangular spigot 220mm x 90mm

TAKE FLÄKT HOME

EIS
dMEV

EIS - DMEV

EIS - DMEV **QUICK FACTS**

- Provides low level continuous ventilation to control moisture
- 3 speed axial fan
- Powerful low profile unit
- Wall, ceiling or window (with additional window kit)
- Low noise levels
- Low running costs
- For any domestic wet room
- Complies with Building Regulations Parts L1A 2013 and F 2013

GENERAL FEATURES

- Exhausts directly to the outside (through wall, or window installation with additional window kit, or with medium length ducting - up to 6m)
- sfp down to 0.09 W/l/s
- Easy and economical to install and maintain
- Runs continuously at pre-selected choice of two speeds (fixed at installation)
- Speed 1 operates at 8 l/s (factory set)
- Speed 2 operates at 13.6 L/s
- Speed boosted to maximum (26.9 L/s) using integral pull cord or by:
  - Remote switch/light switch
  - PIR sensor
  - DRH240 (dynamic remote humidistat)
- Anti-vibration gasket
- Patented anti-turbulence deflectors ensure very low noise levels and optimum performances
- Energy saving ventilation
- Extremely low running costs
- Low carbon footprint

COMPLIES WITH

- Part L1A 2013 of Building Regulations for enhanced energy saving capability
- Part F 2013 of Building Regulations for reliable, efficient ventilation
- EU RoHS Directive Compliant.
- Complies with IEC60335-2-80, LVD2006/95/CE and EMC2014/30/UE (European Directive against radio interference and electro-magnetic compatibility
- CE marked
- SAP PCDB Listed
- Energy Saving Trust Best Practice Compliant

TECHNICAL FEATURES

- Shockproof, high quality technopolymer casing
- Designed using latest wind tunnel technology and CFD simulations
- EC induction motor with thermal protection
- Sealed for life bearings for minimal maintenance
- Operates in ambient temperatures up to 40°c
- Double insulated - no earth required
- IPX4 Splashproof rated - can safely be installed in Zones I and II

MODELS AVAILABLE

- **EIS - DMEV** 3 SPEED, CONTINUOUS RUNNING, CORD OR REMOTE
- **EIS - DMEV / T** 3 SPEED, CONTINUOUS RUNNING, CORD OR REMOTE, COMFORT TIMER
- **EIS - DMEV / HT** 3 SPEED, COMFORT TIMER, HUMIDISTAT, PULL CORD
- **EIS - DMEV / LV** 3 SPEED, CONTINUOUS RUNNING, PULL CORD, LOW VOLT {SELV}
- **EIS - DMEV / LVT** 3 SPEED, CONTINUOUS RUNNING, PULL CORD, COMFORT TIMER, LOW VOLT {SELV}
- **EIS - DMEV / LVTH** 3 SPEED, CONTINUOUS RUUNING, COMFORT TIMER, HUMIDISTAT, PULL CORD, LOW VOLT {SELV}

N.B timer adjustable from 0-30 mins

DECENTRALISED MECHANICAL EXTRACT VENTILATION - dMEV

TECHNICAL CHARACTERISTICS

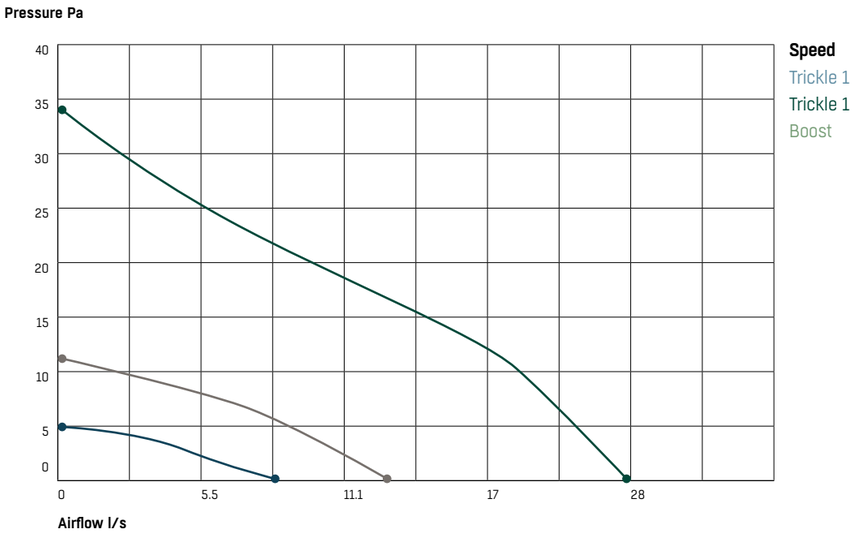
Model	Airflow l/sec			Power - Watts			dBA (@ 3m in free field)			
	Trickle 1	Trickle 2	Boost	Trickle 1	Trickle 2	Boost	Trickle 1	Trickle 2	Boost	40%
EIS - DMEV	8	13.6	26.9	0.5	0.8	3.5	15.1	17.3	31.4	15

RESULTS for SAP CALCULATIONS ENERGY LEVEL PERFORMANCE - using rigid ducting only			
Unit Configuration	**Specific Fan Power (W/l/s)**	**ESTBest Practice Performance Compliant**	**Flow Rate (l/sec)**
In room - kitchen	0.12	Yes	13.0
In room - wetroom	0.11	Yes	8.0
Through wall - kitchen	0.09	Yes	13.0
Through wall - wetroom	0.09	Yes	8.0

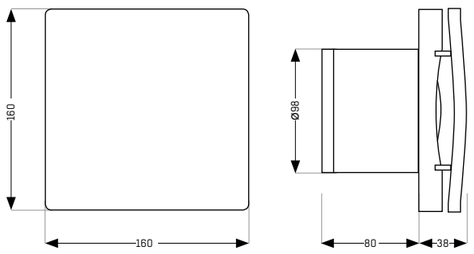
Figures from BRE test results at minimum flow rate conditions

EIS - DMEV

PERFORMANCE



DIMENSIONS - MM



MODELS AVAILABLE

- **EIS - DMEV** 3 SPEED, CONTINUOUS RUNNING, CORD OR REMOTE
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N.B timer adjustable from 0-30 mins

TAKE FLÄKT HOME

EIS
dMEV

EIS - DMEVX

EIS - DMEVX **QUICK FACTS**

- Energy efficient EC motor
- Provides low level continuous ventilation to control moisture
- 3 Speed centrifugal fan
- Powerful low profile unit
- Wall or ceiling
- Low noise levels
- Low running costs
- For any domestic wet room
- Complies with Building Regulations Parts L1A 2013 and F 201

GENERAL FEATURES

- Exhausts directly to the outside or through long lengths of ducting (up to 15m)
- Sfp down to 0.14 W/l/s
- Easy and economical to install and maintain
- Runs continuously at pre-selected choice of two speeds (fixed at installation)
- Speed 1 operates at 8 l/s (factory set)
- Speed 2 operates at 13.6 L/s
- Speed boosted to maximum (26.9 L/s) using integral pull cord or by:
  - Remote switch/light switch
  - PIR sensor
  - DRH240 (dynamic remote humidistat)
- Anti-vibration gasket
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COMPLIES WITH

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- Operates in ambient temperatures up to 40^{0}C
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- IPX4 Splashproof rated - can safely be installed in Zones I and I

MODELS AVAILABLE

- **EIS - DMEVX** 3 SPEED, CONTINUOUS RUNNING, CORD OR REMOTE
- **EIS - DMEVX / T** 3 SPEED, CONTINUOUS RUNNING, CORD OR REMOTE, COMFORT TIMER
- **EIS - DMEVX / HT** 3 SPEED, COMFORT TIMER, HUMIDISTAT, PULL CORD
- **EIS - DMEVX / DL** WITH DATA LOGGING FOR NUMBER OF HOURS RUN & NO OF POWER OUTAGES
- **EIS - DMEVX / LV** 3 SPEED, CONTINUOUS RUNNING, PULL CORD, LOW VOLT {SELV}
- **EIS - DMEVX / DTLV** 3 SPEED, CONTINUOUS RUNNING, COMFORT TIMER, OVER-RUN TIMER & PULL CORD LOW VOLT {SELV}
- **EIS - DMEVX / HDTLV** -3 SPEED, CONTINUOUS RUUNING, COMFORT TIMER, HUMIDISTAT, PULL CORD, LOW VOLT {SELV}

N.B timer adjustable from 0-30 mins

TECHNICAL CHARACTERISTICS

Model	Airflow l/sec			Power - Watts			dBA (@ 3m in free field)			
	Trickle 1	Trickle 2	Boost	Trickle 1	Trickle 2	Boost	Trickle 1	Trickle 2	Boost	40%
EIS - DMEVX	8	13.6	26.9	0.5	0.8	3.5	15.1	17.3	31.4	15

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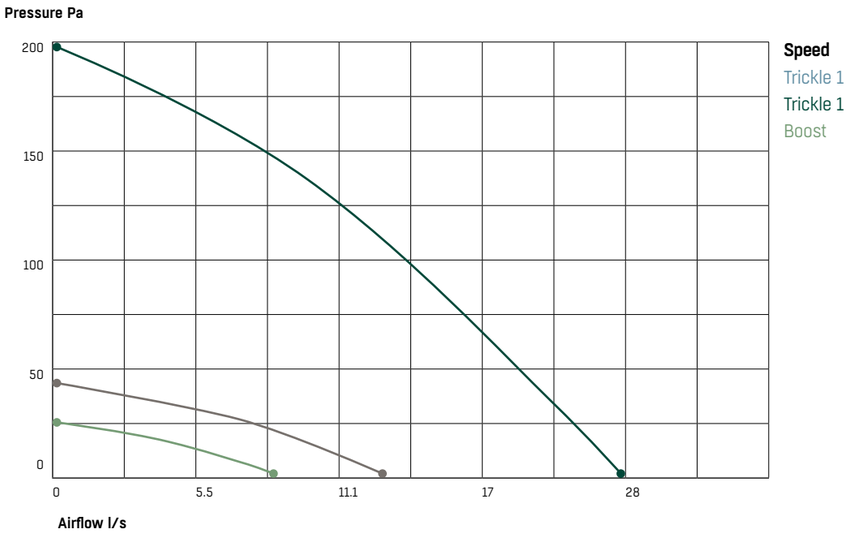
Through wall - kitchen	0.09	Yes	13.0
Through wall - wetroom	0.09	Yes	8.0

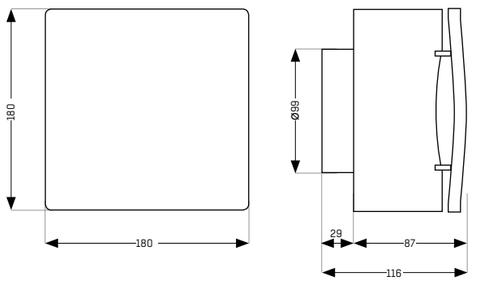
Figures from BRE test results at minimum flow rate conditions

EIS - DMEVX

PERFORMANCE



DIMENSIONS - MM



MODELS AVAILABLE

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N.B timer adjustable from 0-30 mins

TURNKEY
FIRE SAFETY
SOLUTIONS

FlaktGroup undertakes the entire project from design through to completion & life time maintainance.

A FULL TURNKEY SOLUTION

SYSTEM SUMMARY

- The system provides a dedicated mechanical extraction point on each floor.
- In the event of a fire and hence an activation of the system on any one floor; an evacuating occupant will exit from the office to the lobby and then into the stairwell.
- The lobby must remain at a negative pressure to the stairwell and adjacent office spaces, ensuring the stairwell is kept smoke free during a fire evacuation.
  NB: The lobby is sacrificial and maintaining the stairwell free from smoke is the primary concern.

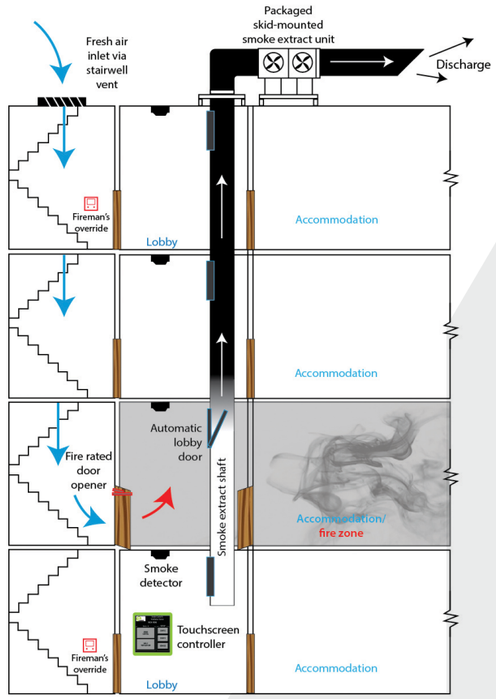
There are two operating modes for the system:

DOOR CLOSED MODE:

- The system operates to maintain a negative pressure in the lobby space relative to the buildings stair cores & accommodation spaces.
- Critically, the accommodation doors must not be pulled open due to this negative pressure thereby breaching the fire compartmentation of the lobby.

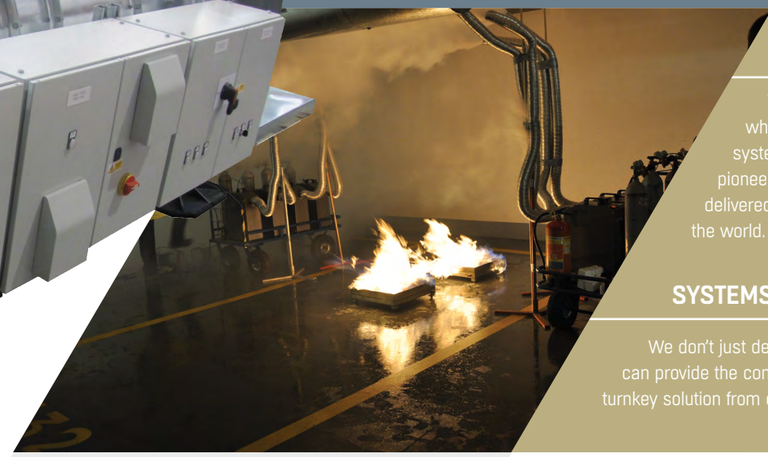
DOOR OPEN MODE:

- When either the accommodation door or stairwell door opens, the fan speed increases to maintain the negative pressure in the lobby ensuring the stairwell remains free from smoke, with the relevant door(s) open.



PROTECTIVE VENTILATION
CAR PARKS

STAIRWELL FIRE & SMOKE SAFETY

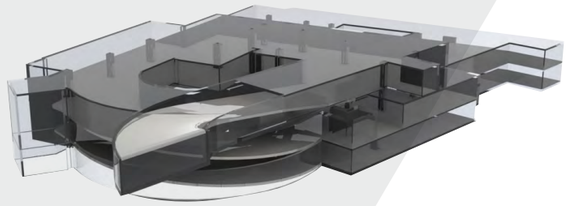


SMOKE TESTS

We are able to run hot smoke tests if required which demonstrate the effectiveness of our system designs and products. As one of the pioneers of the jet fans, we have designed and delivered 100's of operational car parks across the world.

SYSTEMS

We don't just design and manufacture fans. We can provide the complete system and give you a turnkey solution from design to commissioning.



CFD DESIGN
(COMPUTATIONAL
FLUID DYNAMICS)

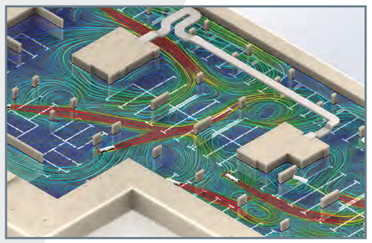
IFC audited Installation SDI 05 and 19 certification &
Member of the smoke control association

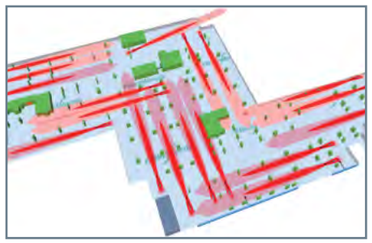
JTV - SLIMLINE

- High performance cylindrical silencer
- Compact length
- High efficiency
- Maximum thrust

JTV - LOW PROFILE

- Low height for confined spaces
- Low noise levels for a more discreet installation
- Maximum efficiency





NOTES

NOTES

FläktGroup®

EXCELLENCE IN SOLUTIONS

FläktGroup is the European market leader for smart and energy efficient Indoor Air and Critical Air solutions to support every application area. We offer our customers innovative technologies, high quality and outstanding performance supported by more than a century of accumulated industry experience. The widest product range in the market, and strong market presence in 65 countries worldwide, guarantee that we are always by your side, ready to deliver Excellence in Solutions.

PRODUCT FUNCTIONS BY FLÄKTGROUP

Air Treatment | Air Movement | Air Diffusion
Air Distribution | Air Filtration | Air Management & ATD's
Air Conditioning & Heating | Controls | Service

» *Learn more on **www.flaktgroup.com** or contact one of our offices*

UKFG.residential@flaktgroup.com