

# Air Handling Units

with

## EC Motors

## EHB and LPHW

## Plant and Roof

0.11 m<sup>3</sup>/sec to 1.4 m<sup>3</sup>/sec



*ventilation  
systems*



## Features and Benefits

### Air Handling Units

- Internal and External
- EHB and LPHW heating
- ErP Compliant
- EC fans to suit L2
- BAHU/BAHU-HW and AHU-D/AHU-HW-D denote internally mounted units
- BAHU-R/BAHU-R-HW and AHU-R/AHU-HW-R denote externally mounted units

### Low Energy EC Fans

- Energy efficient direct drive fans
- Low SFP to help achieve L2 Regulations
- Integral trickle and boost and isolator

### Flexible design to suit your application

- Units are constructed from galvanised steel 0.9mm to 1.6 mm depending on model
- External models are plastisol coated
- Horizontal or vertical mounting - top or bottom access
- External models with removable weather lid
- Bottom inlet also available on request
- Panel filters fitted into slide-in channels - EU3/G3 grade standard
- Integral mounting points for floor or ceiling mounting



### Acoustic lining to reduce noise breakout

- Units are lined with 20mm Barafoam "O" class liner
- A 6mm barrier mat layer is incorporated in the liner
- This significantly reduces noise breakout

### Energy Saving Controls

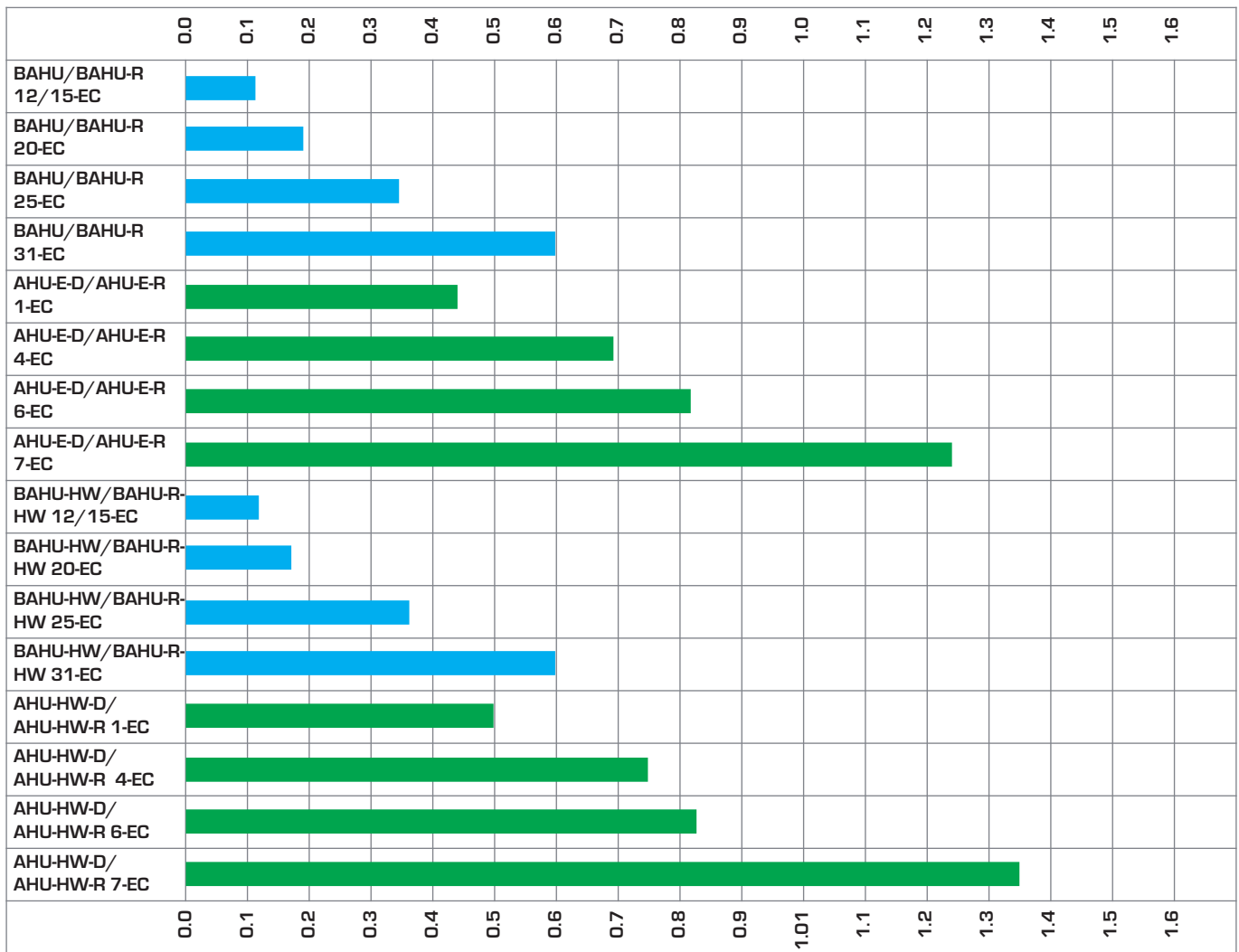
- Stand-alone control panels with door isolator
- Stepped or thyristor electric heater control
- Fire alarm circuits
- Temperature set-point for heater control

### Accessories

- Silencers
- Powder coated silencers
- Filter Boxes
- AV mounts
- Duct clamps/flexible connectors



## Maximum Air Volume (m<sup>3</sup>/sec)

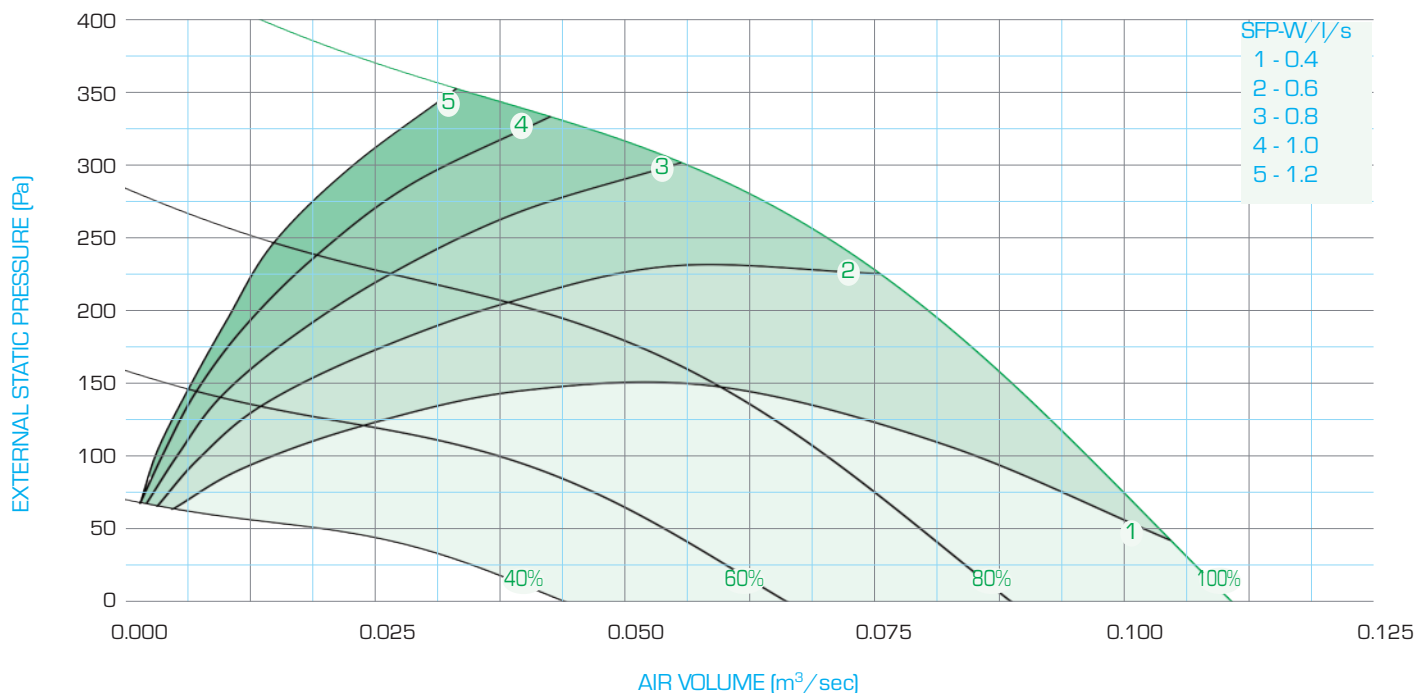


# Compact Air Handling Units Internal and External Electric Heater Battery



## TECHNICAL DATA - BAHU/BAHU-R 12/15-ECs

### FAN SPEED



ELECTRICAL DATA	MODEL	FAN POWER W	SUPPLY	FLC amps
	BAHU 12/15 EC	52	230V 1Ph	0.40

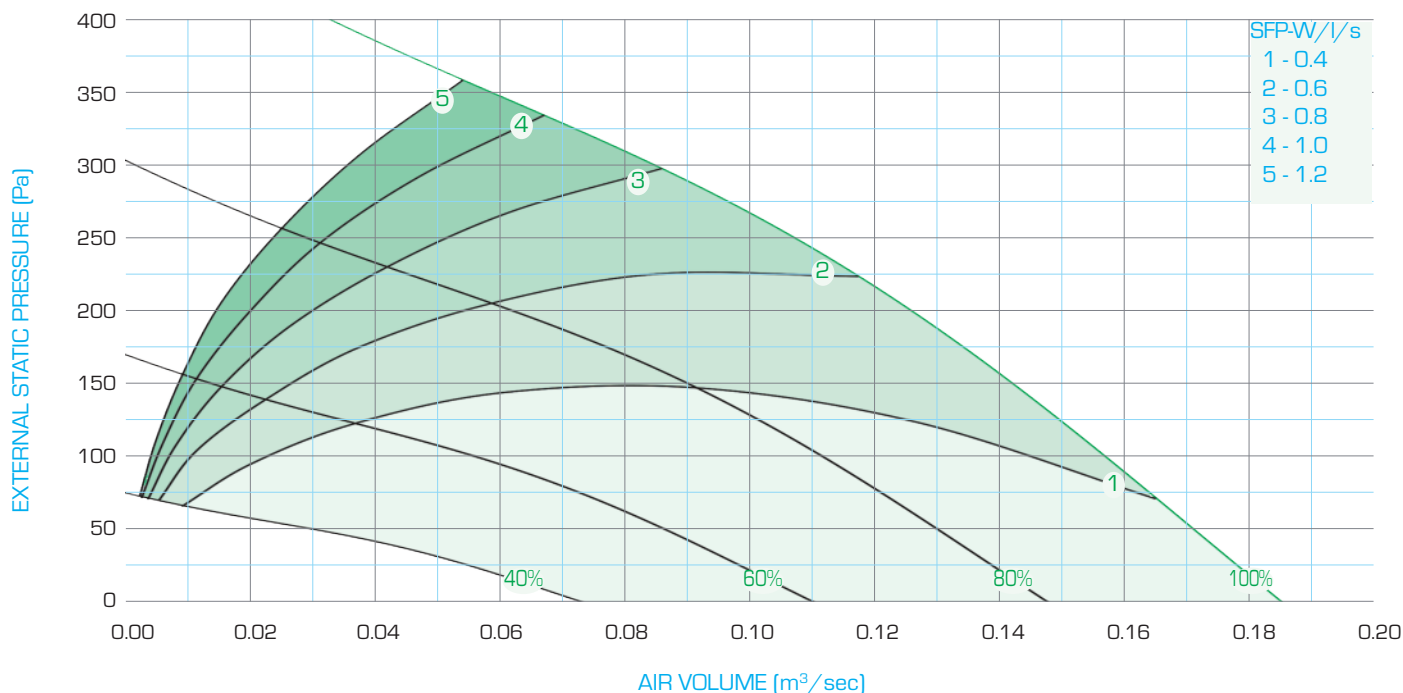
BAHU/BAHU-R 12/15-EC		Mid Octave Frequency band / Hz								Total in Duct		Breakout @ 1m		Breakout @ 3m	
		63	125	250	500	1k	2k	4k	8k	dB	dB(A)	dB(A)	NR	dB(A)	NR
100%	Inlet in duct dB	62	57	60	66	63	61	74	60	76	76	28	23	<20	<20
	Outlet in duct dB	65	60	63	69	66	64	77	63	79	79				
80%	Inlet in duct dB	57	52	56	61	58	56	66	54	69	68	24	<20	<20	<20
	Outlet in duct dB	60	55	59	64	61	59	69	57	72	71				
60%	Inlet in duct dB	50	47	51	55	52	50	52	46	60	59	<20	<20	<20	<20
	Outlet in duct dB	53	50	54	58	55	53	55	49	63	62				
40%	Inlet in duct dB	43	46	48	48	43	40	34	29	53	49	<20	<20	<20	<20
	Outlet in duct dB	46	49	51	51	46	43	37	32	56	52				

# Compact Air Handling Units Internal and External Electric Heater Battery



## TECHNICAL DATA - BAHU20EC/BAHU-20-R-EC

### FAN SPEED



ELECTRICAL DATA	MODEL	FAN POWER W	SUPPLY	FLC amps
	BAHU 20 EC	70	230V 1Ph	0.55

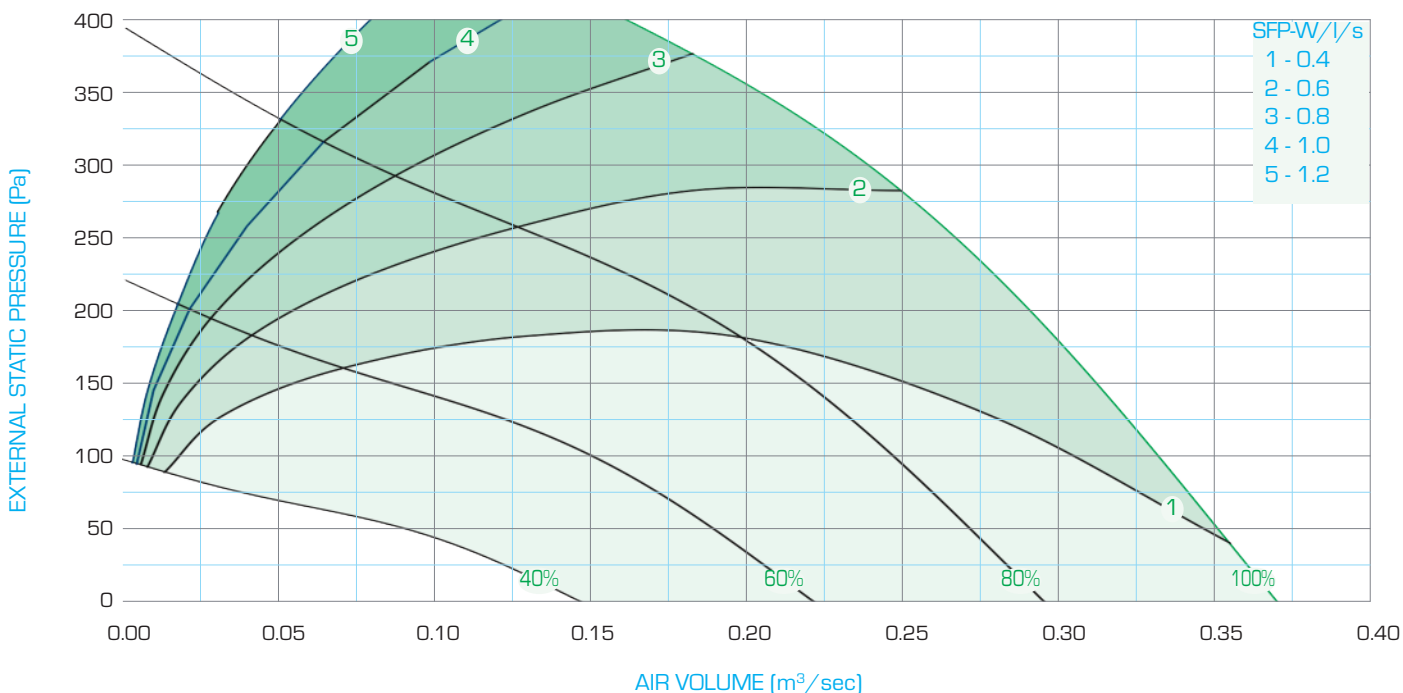
BAHU20-EC/BAHU20-R-EC		Mid Octave Frequency band / Hz								Total in Duct		Breakout @ 1m		Breakout @ 3m	
		63	125	250	500	1k	2k	4k	8k	dB	dB(A)	dB(A)	NR	dB(A)	NR
100%	Inlet in duct dB	63	70	72	68	66	65	63	69	77	73	38	37	28	26
	Outlet in duct dB	66	73	75	71	69	68	66	72	80	76				
80%	Inlet in duct dB	59	65	66	62	61	59	58	61	71	67	33	30	23	20
	Outlet in duct dB	62	68	69	65	64	62	61	64	74	70				
60%	Inlet in duct dB	52	58	59	56	54	52	52	49	64	60	25	22	<20	<20
	Outlet in duct dB	55	51	62	59	57	55	55	52	66	63				
40%	Inlet in duct dB	44	52	51	47	43	39	36	28	56	49	<20	<20	<20	<20
	Outlet in duct dB	47	55	54	50	46	42	39	31	59	52				

# Compact Air Handling Units Internal and External Electric Heater Battery



## TECHNICAL DATA - BAHU25EC/BAHU25-R-EC

### FAN SPEED



ELECTRICAL DATA	MODEL	FAN POWER W	SUPPLY	FLC amps
	BAHU 25 EC	170	230V 1Ph	1.4

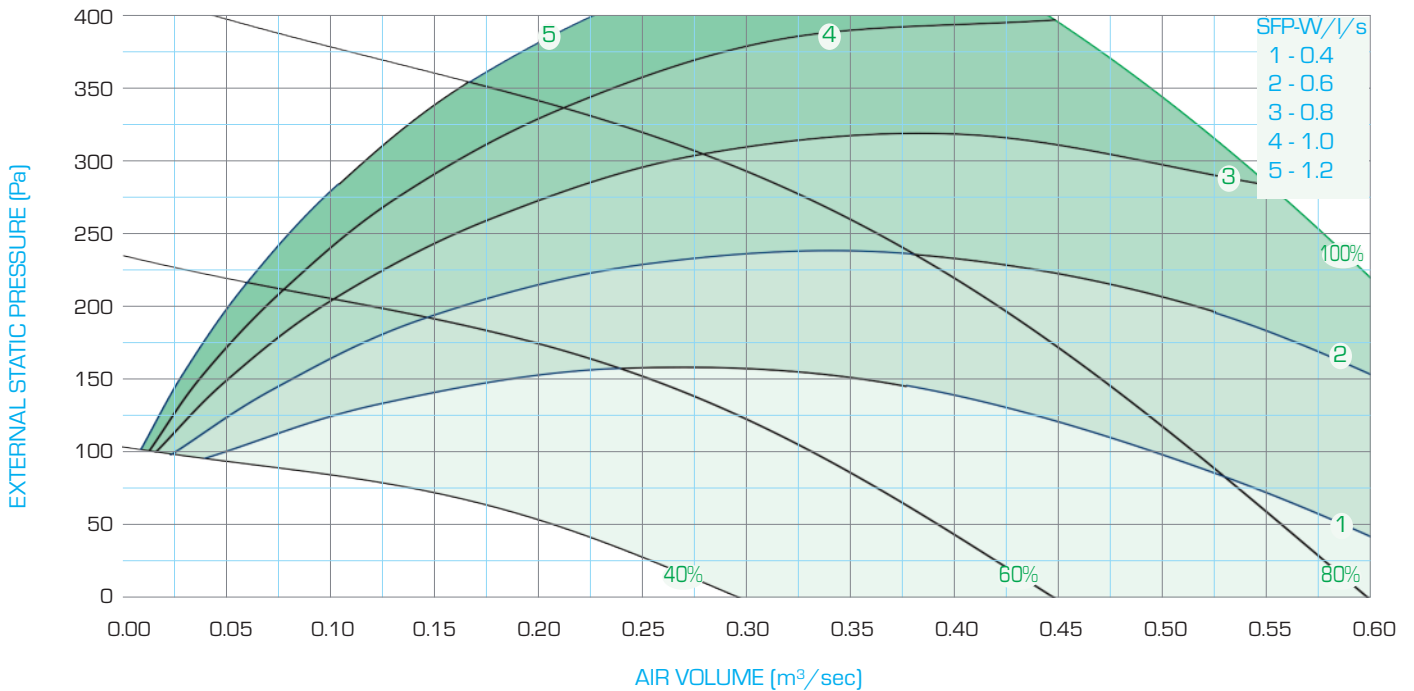
RBAHU25EC/BAHU25-R-EC		Mid Octave Frequency band / Hz								Total in Duct		Breakout @ 1m		Breakout @ 3m	
		63	125	250	500	1k	2k	4k	8k	dB	dB(A)	dB(A)	NR	dB(A)	NR
100%	Inlet in duct dB	59	62	67	66	67	65	67	65	73	72	33	31	24	20
	Outlet in duct dB	62	65	70	69	70	68	70	68	76	75				
80%	Inlet in duct dB	53	57	61	60	62	60	62	60	68	66	27	24	20	<20
	Outlet in duct dB	56	60	64	63	65	63	65	63	71	69				
60%	Inlet in duct dB	46	50	53	52	54	52	54	52	60	58	<20	<20	<20	<20
	Outlet in duct dB	49	53	56	55	57	55	57	55	63	61				
40%	Inlet in duct dB	37	40	42	43	41	38	41	38	49	46	<20	<20	<20	<20
	Outlet in duct dB	40	43	45	46	44	41	44	41	52	49				

# Compact Air Handling Units Internal and External Electric Heater Battery



## TECHNICAL DATA - BAHU31EC/BAHU31-REC

### FAN SPEED



ELECTRICAL DATA	MODEL	FAN POWER W	SUPPLY	FLC amps
	BAHU31 EC	510	230V 1Ph	3.1

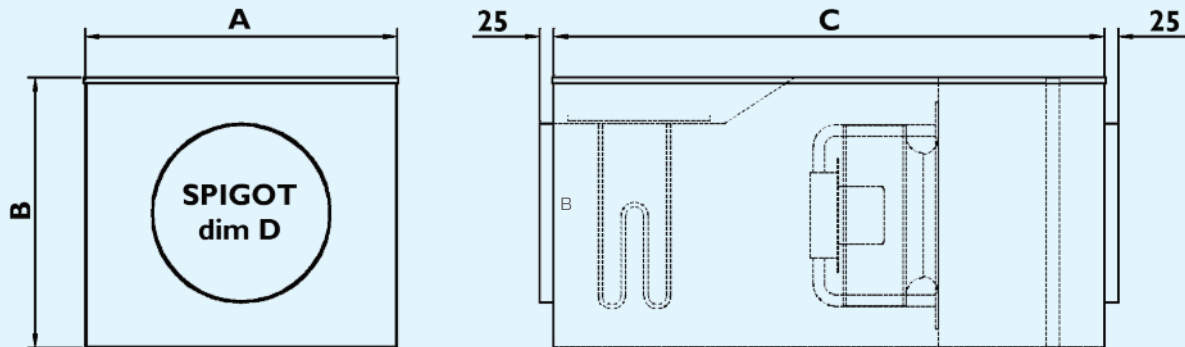
BAHU31EC/BAHU31-R-EC		Mid Octave Frequency band / Hz								Total in Duct		Breakout @ 1m		Breakout @ 3m	
		63	125	250	500	1k	2k	4k	8k	dB	dB(A)	dB(A)	NR	dB(A)	NR
100%	Inlet in duct dB	66	70	80	79	77	73	70	64	84	82	46	45	36	34
	Outlet in duct dB	69	73	83	82	80	76	73	67	87	85				
80%	Inlet in duct dB	61	65	74	73	72	68	65	59	79	76	40	39	31	29
	Outlet in duct dB	64	68	77	76	75	71	68	62	82	79				
60%	Inlet in duct dB	54	59	67	65	64	60	58	52	72	69	33	31	24	21
	Outlet in duct dB	57	62	70	68	67	63	61	55	75	72				
40%	Inlet in duct dB	46	51	55	53	51	50	49	42	60	57	21	<20	<20	<20
	Outlet in duct dB	49	54	58	56	54	53	52	45	63	60				

# Compact Air Handling Units Internal and External Electric Heater Battery



## UNIT DIMENSIONS

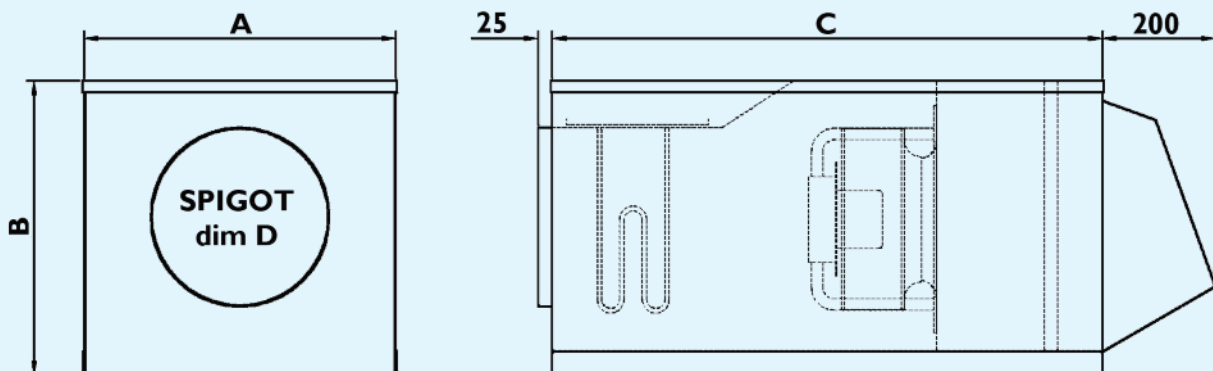
### INTERNAL - BAHU ECs



COMPACT AHUs - INTERNAL and EXTERNAL - EHB

Model	A	B	C	D	kg	Model	A	B	C	D	kg
<a href="#">BAHU12-EC</a>	400	225	750	125	29	<a href="#">BAHU12-R-EC</a>	400	350	750	125	24
<a href="#">BAHU15-EC</a>	400	225	750	150	29	<a href="#">BAHU15-R-EC</a>	400	350	750	150	24
<a href="#">BAHU20-EC</a>	475	335	850	200	37	<a href="#">BAHU20-R-EC</a>	425	375	850	200	35
<a href="#">BAHU25-EC</a>	500	400	920	250	45	<a href="#">BAHU25-R-EC</a>	650	450	900	250	43
<a href="#">BAHU31-EC</a>	550	475	970	315	49	<a href="#">BAHU31-R-EC</a>	650	475	900	315	47

### EXTERNAL - BAHU-R ECs



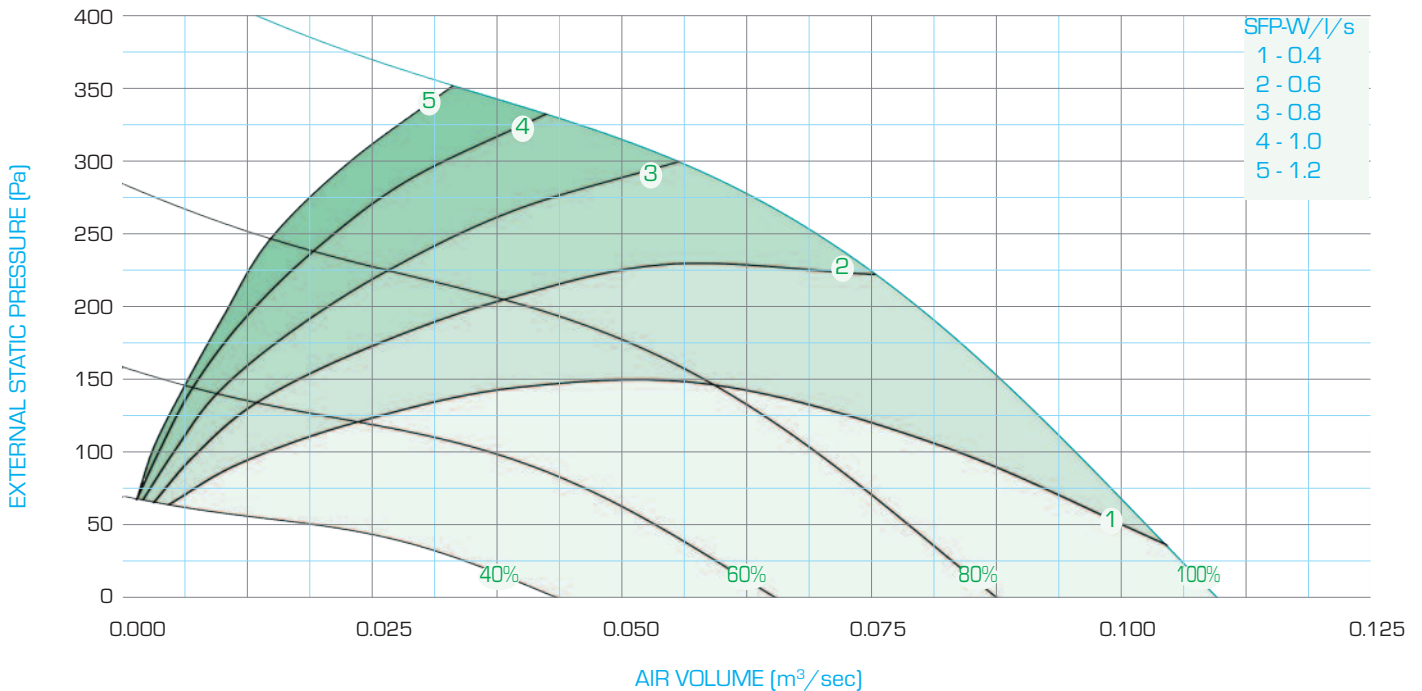


# Compact Air Handling Units Internal and External LPHW Heating Coil



## TECHNICAL DATA - BAHU-HW/BAHU-R-HW 12/15-ECs

### FAN SPEED



ELECTRICAL DATA	MODEL	FAN POWER W	SUPPLY	FLC amps
	BAHU-HW 12/15 EC	52	230V 1Ph	0.40

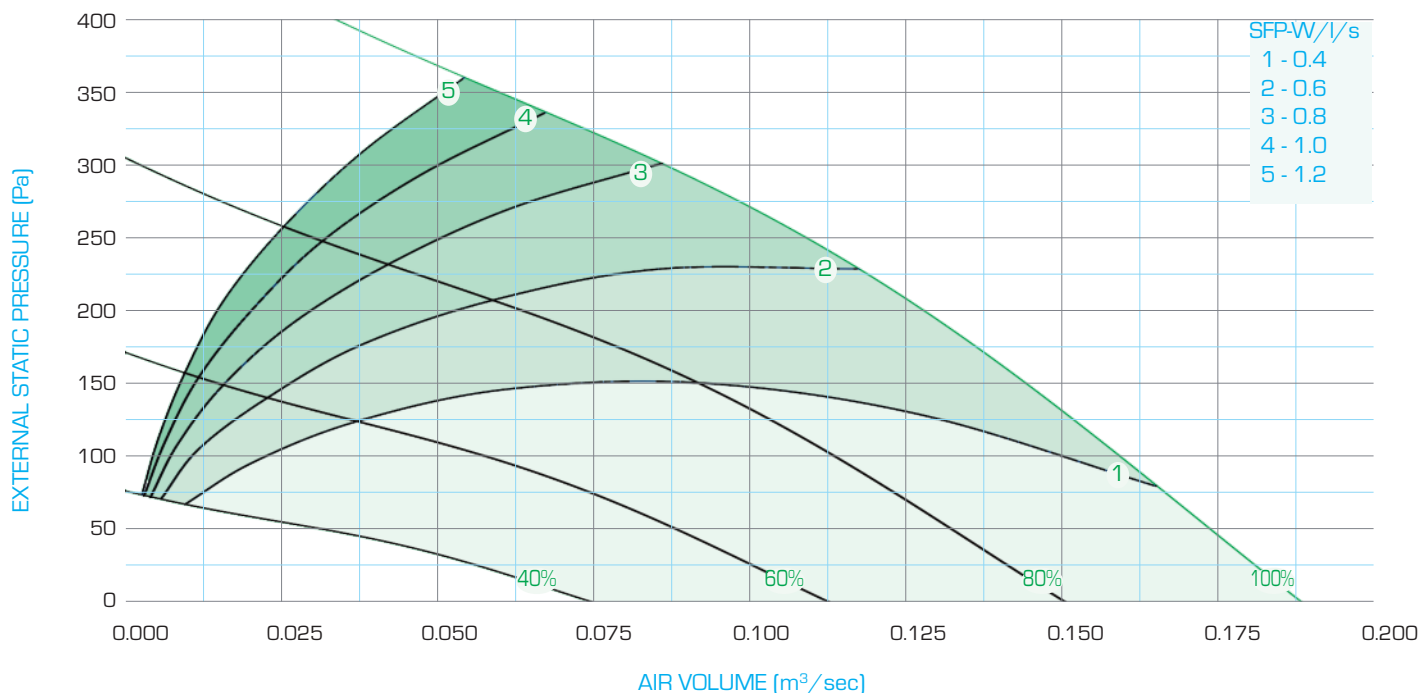
BAHU-HW/BAHU-R-HW 12/15-EC		Mid Octave Frequency band / Hz								Total in Duct		Breakout @ 1m		Breakout @ 3m	
		63	125	250	500	1k	2k	4k	8k	dB	dB(A)	dB(A)	NR	dB(A)	NR
100%	Inlet in duct dB	62	57	60	66	63	61	74	60	76	76	28	23	<20	<20
	Outlet in duct dB	65	60	63	69	66	64	77	63	79	79				
80%	Inlet in duct dB	57	52	56	61	58	56	66	54	69	68	24	<20	<20	<20
	Outlet in duct dB	60	55	59	64	61	59	69	57	72	71				
60%	Inlet in duct dB	50	47	51	55	52	50	52	46	60	59	<20	<20	<20	<20
	Outlet in duct dB	53	50	54	58	55	53	55	49	63	62				
40%	Inlet in duct dB	43	46	48	48	43	40	34	29	53	49	<20	<20	<20	<20
	Outlet in duct dB	46	49	51	51	46	43	37	32	56	52				

# Compact Air Handling Units Internal and External LPHW Heating Coil



## TECHNICAL DATA - BAHU20-HW-EC/BAHU20-R-HW-EC

### FAN SPEED



ELECTRICAL DATA	MODEL	FAN POWER W	SUPPLY	FLC amps
	BAHU 20- HW- EC	70	230V 1Ph	0.55

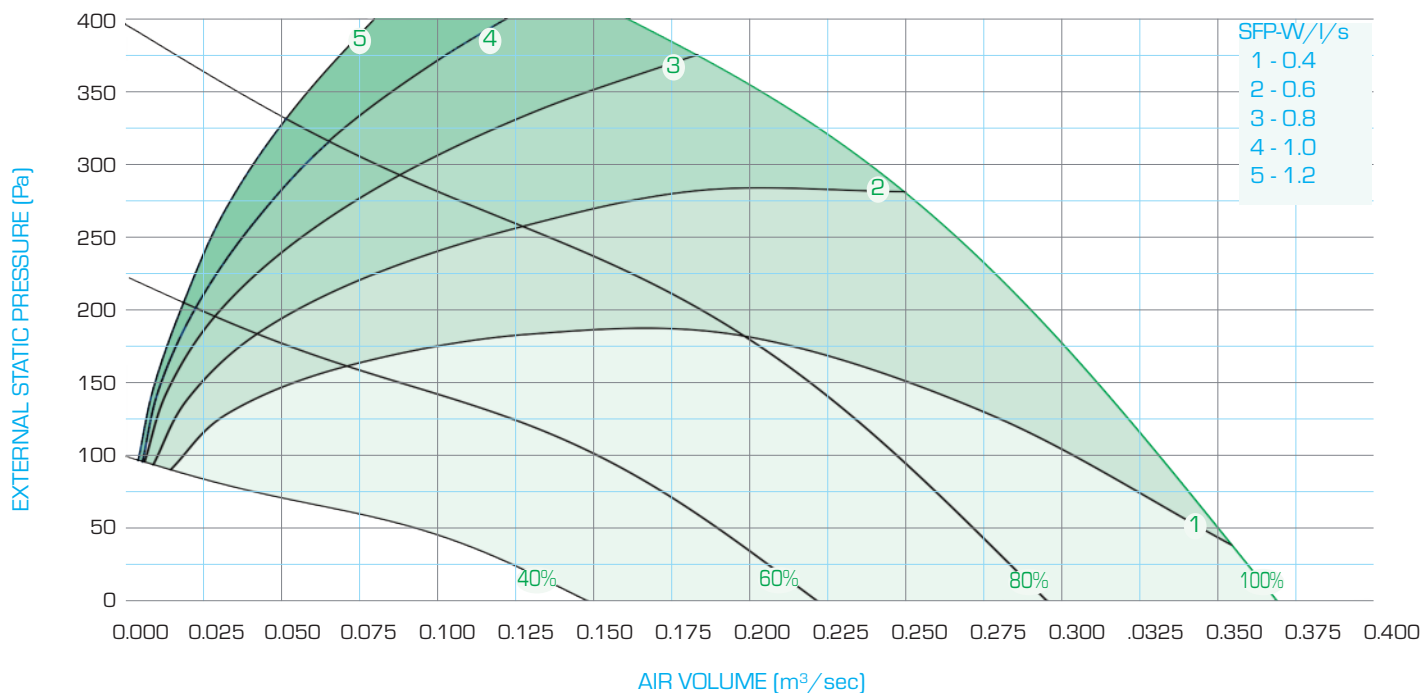
BAHU20-HW-EC/BAHU20-R-HW-EC		Mid Octave Frequency band / Hz								Total in Duct		Breakout @ 1m		Breakout @ 3m	
		63	125	250	500	1k	2k	4k	8k	dB	dB(A)	dB(A)	NR	dB(A)	NR
100%	Inlet in duct dB	63	70	72	68	66	65	63	69	77	73	38	37	28	26
	Outlet in duct dB	66	73	75	71	69	68	66	72	80	76				
80%	Inlet in duct dB	59	65	66	62	61	59	58	61	71	67	33	30	23	20
	Outlet in duct dB	62	68	69	65	64	62	61	64	74	70				
60%	Inlet in duct dB	52	58	59	56	54	52	52	49	64	60	25	22	<20	<20
	Outlet in duct dB	55	51	62	59	57	55	55	52	66	63				
40%	Inlet in duct dB	44	52	51	47	43	39	36	28	56	49	<20	<20	<20	<20
	Outlet in duct dB	47	55	54	50	46	42	39	31	59	52				

# Compact Air Handling Units Internal and External LPHW Heating Coil



## TECHNICAL DATA - BAHU25-HW-EC/BAHU25-R-HW-EC

### FAN SPEED



ELECTRICAL DATA	MODEL	FAN POWER W	SUPPLY	FLC amps
	BAHU 25- HW- EC	170	230V 1Ph	1.4

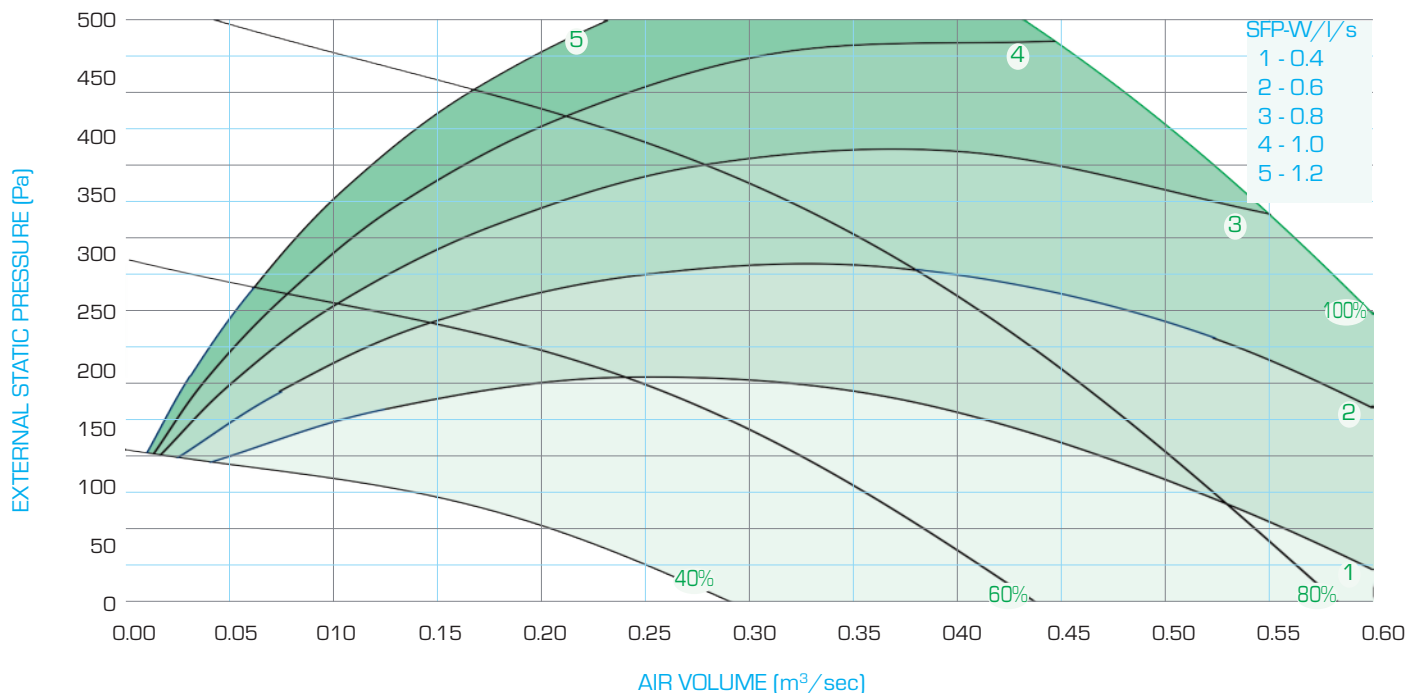
BAHU25-HW-EC/BAHU25-R-HW-EC		Mid Octave Frequency band / Hz								Total in Duct		Breakout @ 1m		Breakout @ 3m	
		63	125	250	500	1k	2k	4k	8k	dB	dB(A)	dB(A)	NR	dB(A)	NR
100%	Inlet in duct dB	59	62	67	66	67	65	61	60	73	72	33	31	24	20
	Outlet in duct dB	62	65	70	69	70	68	64	63	76	75				
80%	Inlet in duct dB	53	57	61	60	62	60	55	55	68	66	27	24	<20	<20
	Outlet in duct dB	56	60	64	63	65	63	58	58	71	69				
60%	Inlet in duct dB	46	50	53	52	54	52	48	46	60	58	<20	<20	<20	<20
	Outlet in duct dB	49	53	56	55	57	55	51	49	63	61				
40%	Inlet in duct dB	37	40	42	43	41	38	34	28	49	46	<20	<20	<20	<20
	Outlet in duct dB	40	43	45	46	44	41	37	31	52	49				

# Compact Air Handling Units Internal and External LPHW Heating Coil



## TECHNICAL DATA - BAHU31-HW-EC/BAHU31-R-HW-EC

### FAN SPEED



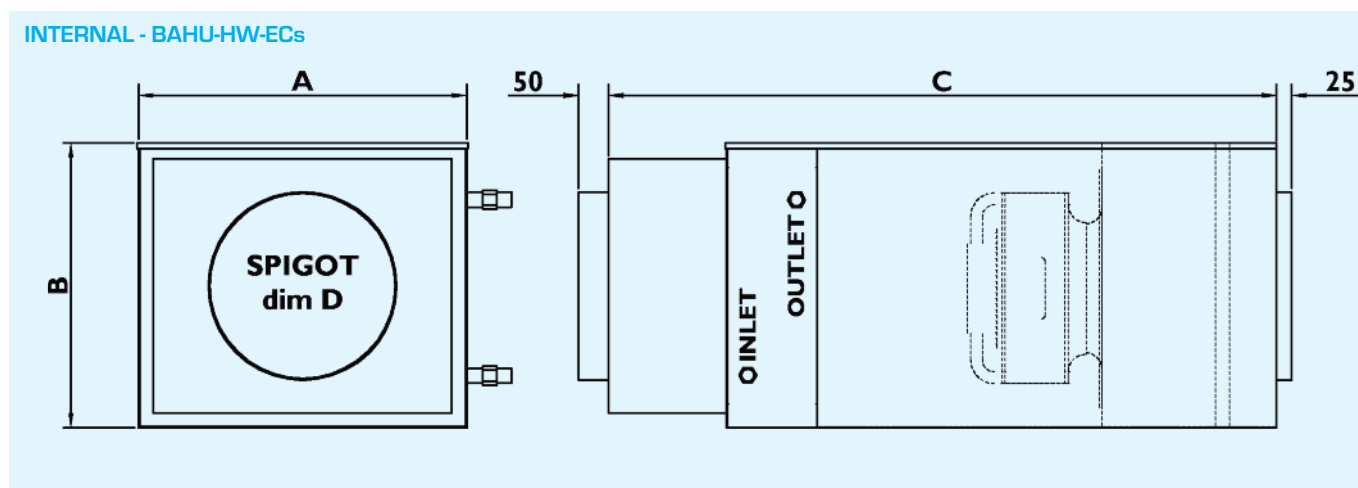
ELECTRICAL DATA	MODEL	FAN POWER W	SUPPLY	FLC amps
	BAHU 31- HW- EC	510	230V 1Ph	3.1

BAHU31-HW-EC/BAHU31-R-HW-ECC		Mid Octave Frequency band / Hz								Total in Duct		Breakout @ 1m		Breakout @ 3m	
		63	125	250	500	1k	2k	4k	8k	dB	dB(A)	dB(A)	NR	dB(A)	NR
100%	Inlet in duct dB	66	70	80	79	77	73	70	64	84	82	46	45	36	34
	Outlet in duct dB	69	73	83	82	80	76	73	67	87	85				
80%	Inlet in duct dB	61	65	74	73	72	68	65	59	79	76	40	39	31	29
	Outlet in duct dB	64	68	77	76	75	71	68	62	82	79				
60%	Inlet in duct dB	54	59	67	65	64	60	58	52	72	69	33	31	24	21
	Outlet in duct dB	57	62	70	68	67	63	61	55	75	72				
40%	Inlet in duct dB	46	51	55	53	51	50	49	42	60	57	21	<20	<20	<20
	Outlet in duct dB	49	54	58	56	54	53	52	45	63	60				

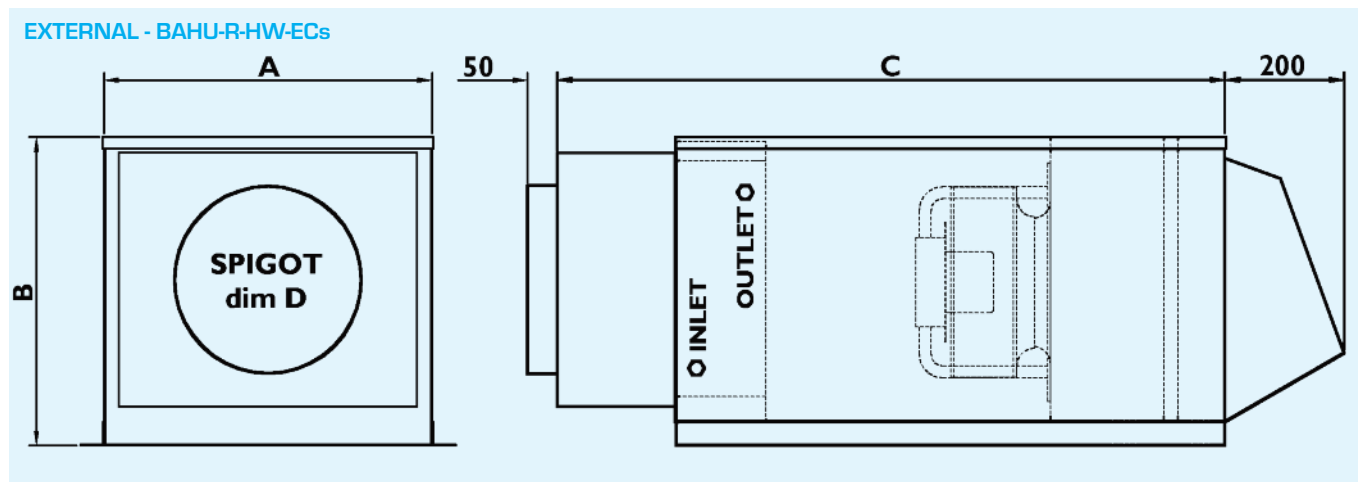
# Compact Air Handling Units Internal and External LPHW Heating Coil



## UNIT DIMENSIONS



COMPACT AHUs - INTERNAL and EXTERNAL - LPHW											
Model	A	B	C	D	kg	Model	A	B	C	D	kg
BAHU12-HW-EC	400	225	900	125	29	BAHU12-R-HW-EC	400	350	900	125	30
BAHU15-HW-EC	400	225	900	150	29	BAHU15-R-HW-EC	400	350	900	150	30
BAHU20-HW-EC	475	335	1000	200	37	BAHU20-R-HW-EC	425	375	1000	200	40
BAHU25-HW-EC	500	400	1070	250	45	BAHU25-R-HW-EC	650	450	1070	250	45
BAHU31-HW-EC	550	475	1120	315	49	BAHU31-R-HW-EC	650	475	1120	315	50

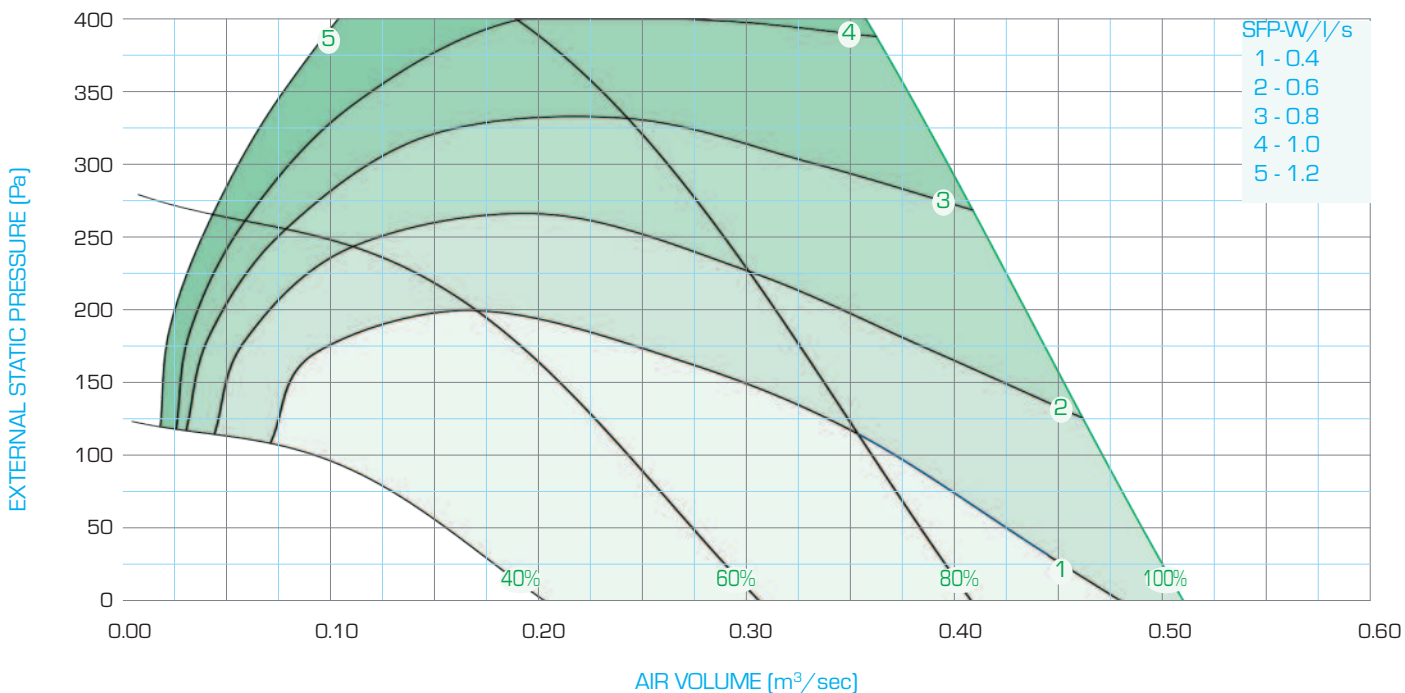


# Air Handling Units Internal and External Electric Heater Battery



## TECHNICAL DATA - AHU-E1-D-EC/AHU-E1-R-EC

### FAN SPEED



ELECTRICAL DATA	MODEL	FAN POWER W	SUPPLY	FLC amps
	AHU-E1 EC	490	230V 1Ph	3.0

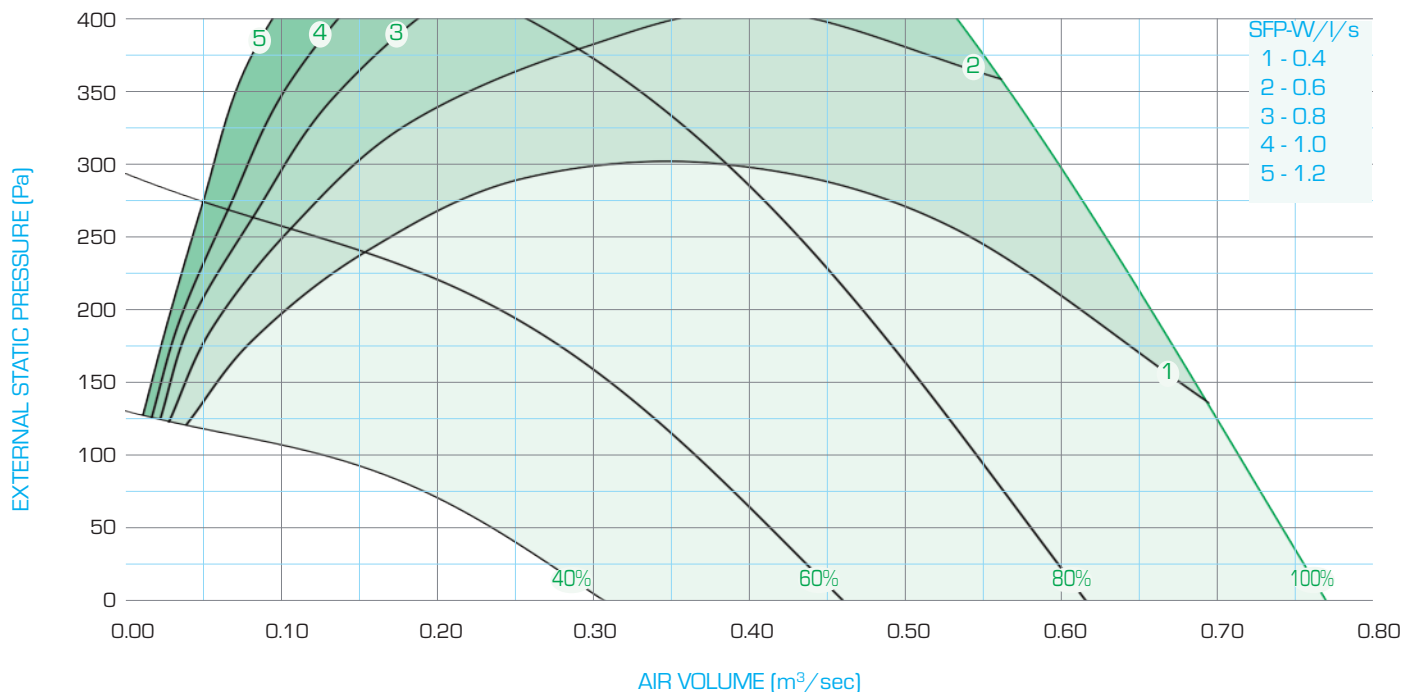
AHU-E1-D-EC/AHU-E1-R-EC		Mid Octave Frequency band / Hz								Total in Duct		Breakout @ 1m		Breakout @ 3m	
		63	125	250	500	1k	2k	4k	8k	dB	dB(A)	dB(A)	NR	dB(A)	NR
100%	Inlet in duct dB	69	75	75	78	77	73	72	76	84	82	51	48	41	38
	Outlet in duct dB	72	78	78	81	80	76	75	79	87	85				
80%	Inlet in duct dB	64	70	70	73	72	67	67	71	79	77	46	43	36	32
	Outlet in duct dB	67	73	73	76	75	70	70	74	82	80				
60%	Inlet in duct dB	57	64	63	67	65	60	60	63	72	70	39	36	30	26
	Outlet in duct dB	60	67	66	70	68	63	63	66	75	73				
40%	Inlet in duct dB	47	57	54	56	55	51	51	51	63	60	30	26	21	<20
	Outlet in duct dB	50	60	57	59	58	54	54	54	66	63				

# Air Handling Units Internal and External Electric Heater Battery



## TECHNICAL DATA - AHU-E4-D-EC/AHU-E4-R-EC

### FAN SPEED



ELECTRICAL DATA	MODEL	FAN POWER W	SUPPLY	FLC amps
	AHU-E4 EC	510	230V 1Ph	3.1

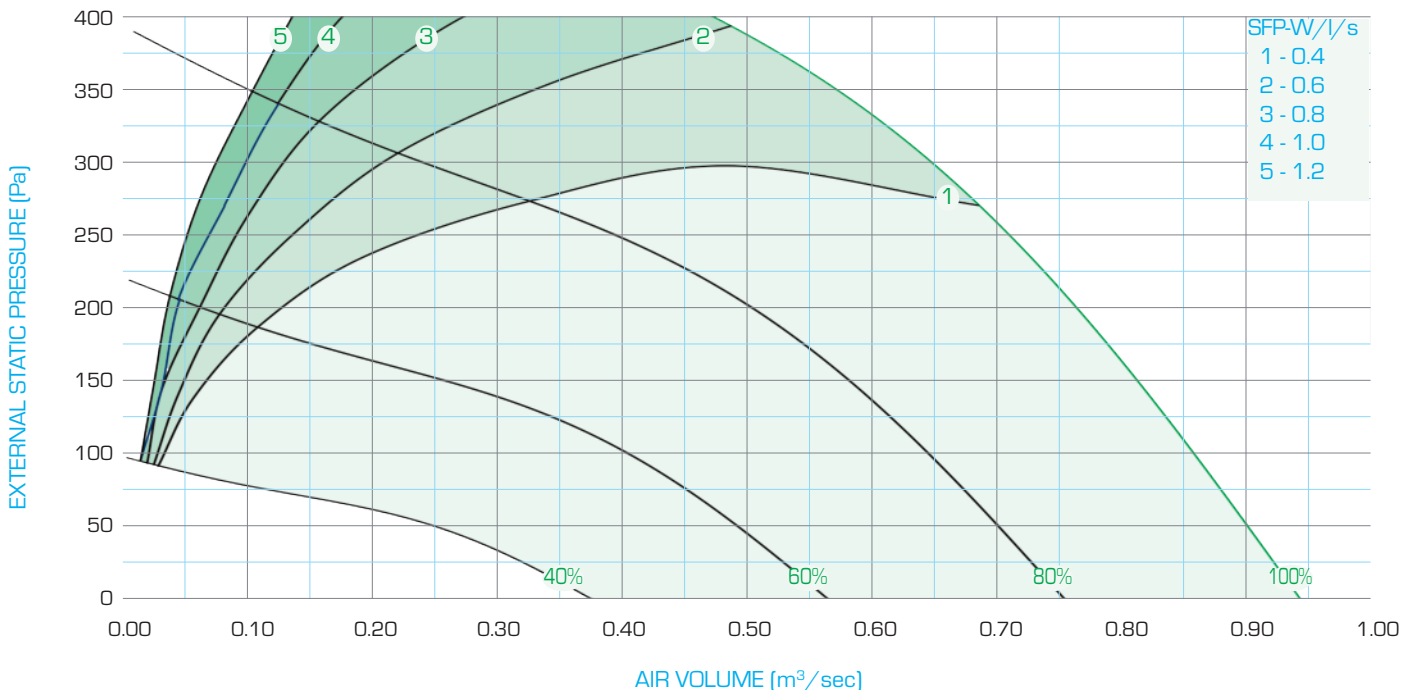
AHU-E4-D-EC/AHU-E4-R-EC		Mid Octave Frequency band / Hz								Total in Duct		Breakout @ 1m		Breakout @ 3m	
		63	125	250	500	1k	2k	4k	8k	dB	dB(A)	dB(A)	NR	dB(A)	NR
100%	Inlet in duct dB	66	70	80	79	78	74	70	65	85	82	54	53	45	44
	Outlet in duct dB	69	73	83	82	81	77	73	68	88	85				
80%	Inlet in duct dB	61	65	75	74	73	68	65	60	80	77	49	48	40	38
	Outlet in duct dB	64	68	78	77	76	71	68	63	83	80				
60%	Inlet in duct dB	54	59	68	67	65	61	59	53	73	70	42	41	33	31
	Outlet in duct dB	57	62	71	70	68	64	62	56	76	73				
40%	Inlet in duct dB	45	51	56	54	52	50	49	42	60	57	30	28	20	<20
	Outlet in duct dB	48	54	59	57	55	53	52	45	63	60				

# Air Handling Units Internal and External Electric Heater Battery



## TECHNICAL DATA - AHU-E6-D-EC/AHU-E6-R-EC

### FAN SPEED



ELECTRICAL DATA	MODEL	FAN POWER W	SUPPLY	FLC amps
		AHU-E6 EC	450	230V 1Ph

AHU-E6-D-EC/AHU-E6-R-EC		Mid Octave Frequency band / Hz								Total in Duct		Breakout @ 1m		Breakout @ 3m	
		63	125	250	500	1k	2k	4k	8k	dB	dB(A)	dB(A)	NR	dB(A)	NR
100%	Inlet in duct dB	64	75	74	76	68	66	65	54	81	76	50	47	40	38
	Outlet in duct dB	67	78	77	79	71	69	68	57	84	79				
80%	Inlet in duct dB	59	70	68	70	63	61	59	49	75	70	44	41	34	31
	Outlet in duct dB	62	73	71	73	66	64	62	52	78	73				
60%	Inlet in duct dB	53	63	61	62	55	54	51	42	68	63	36	33	27	22
	Outlet in duct dB	56	66	64	65	58	57	54	45	71	66				
40%	Inlet in duct dB	45	56	53	53	47	46	42	36	60	54	29	24	<20	<20
	Outlet in duct dB	48	59	56	56	50	49	45	39	63	57				

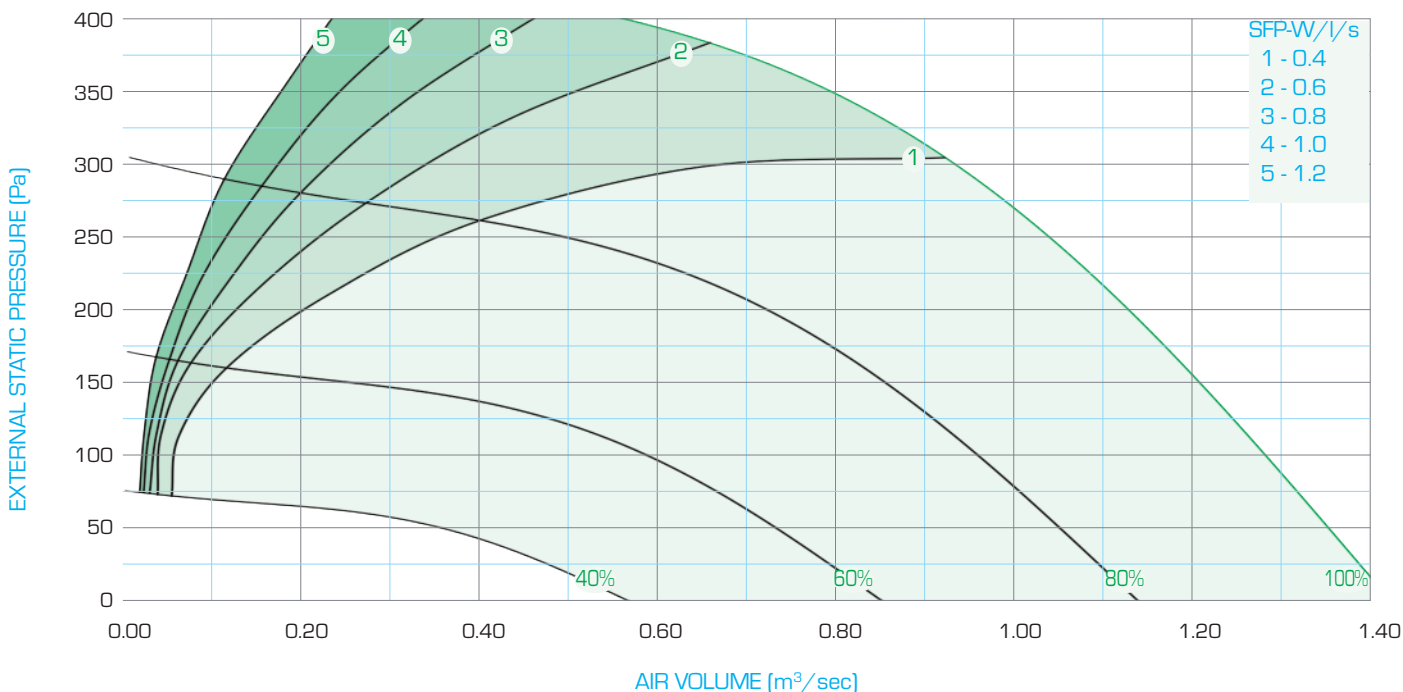


# Air Handling Units Internal and External Electric Heater Battery



## TECHNICAL DATA - AHU-E7-D-EC/AHU-E7-R-EC

### FAN SPEED



ELECTRICAL DATA	MODEL	FAN POWER W	SUPPLY	FLC amps
	AHU-E7 EC	640	230V 1Ph	2.9

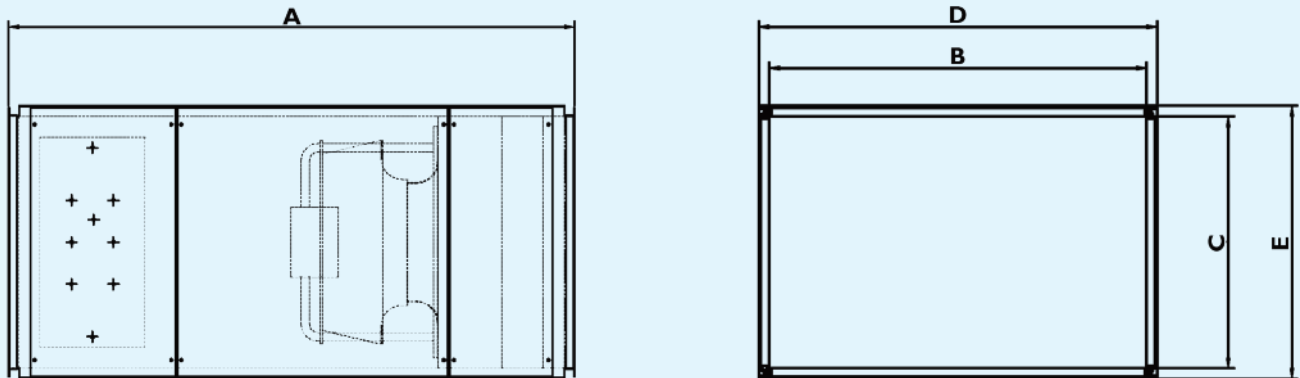
AHU-E7-D-EC/AHU-E7-R-EC		Mid Octave Frequency band / Hz								Total in Duct		Breakout @ 1m		Breakout @ 3m	
		63	125	250	500	1k	2k	4k	8k	dB	dB(A)	dB(A)	NR	dB(A)	NR
100%	Inlet in duct dB	66	71	73	73	63	64	63	52	78	73	46	44	37	34
	Outlet in duct dB	68	72	74	76	74	71	66	55	81	79				
80%	Inlet in duct dB	60	67	69	68	58	58	57	47	73	68	41	39	32	29
	Outlet in duct dB	63	67	69	71	69	65	61	50	76	73				
60%	Inlet in duct dB	55	58	60	59	51	52	50	40	65	60	33	30	24	20
	Outlet in duct dB	57	60	61	63	61	59	54	43	68	66				
40%	Inlet in duct dB	48	51	48	47	46	46	40	34	56	51	24	<20	<20	<20
	Outlet in duct dB	49	53	51	52	55	52	45	38	60	58				

# Air Handling Units Internal and External Electric Heater Battery



## UNIT DIMENSIONS

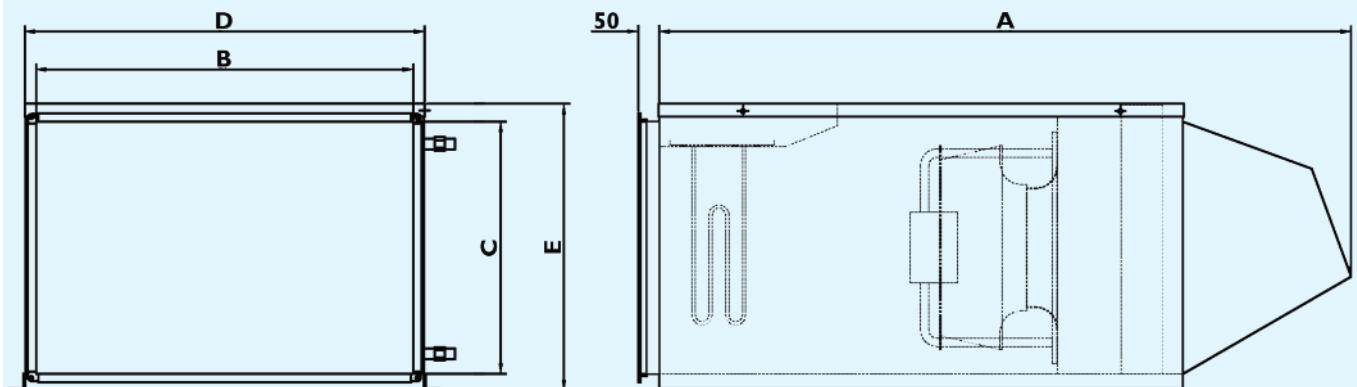
### INTERNAL - AHU-D-ECs



AHUs - INTERNAL and EXTERNAL - EHB

Model	A	B	C	D	kg	Model	A	B	C	D	kg
AHU-E1-D-EC	1150	600	450	650	500	AHU-E1-R-EC	1350	600	450	650	580
AHU-E4-D-EC	1150	750	450	800	500	AHU-E4-R-EC	1350	750	450	800	580
AHU-E6-D-EC	1250	825	500	875	550	AHU-E6-R-EC	1600	825	500	875	580
AHU-E7-D-EC	1350	900	600	950	650	AHU-E7-R-EC	1650	900	600	950	680

### EXTERNAL - AHU-R-ECs

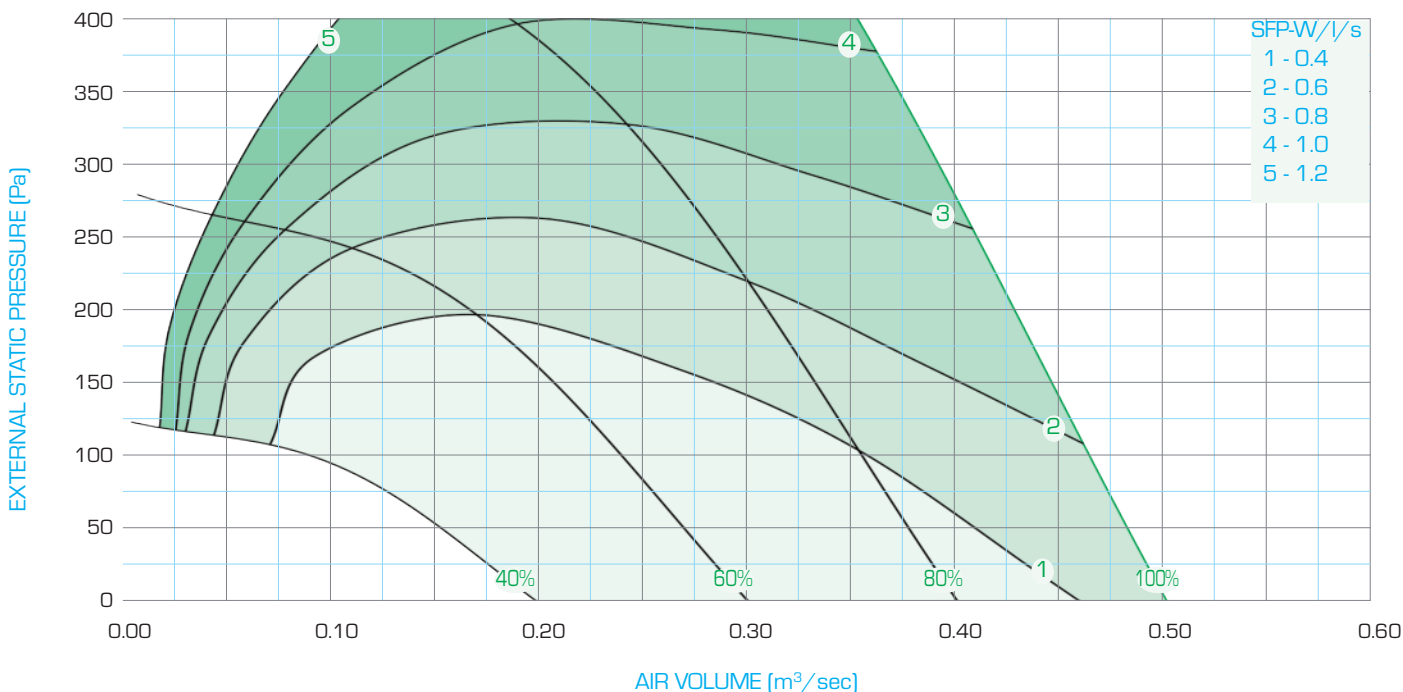


# Air Handling Units Internal and External LPHW Heating Coil



## TECHNICAL DATA - AHU-HW1-D-EC/AHU-HW1-R-EC

### FAN SPEED



ELECTRICAL DATA	MODEL	FAN POWER W	SUPPLY	FLC amps
	AHU-HW1-EC	490	230V 1Ph	3.0

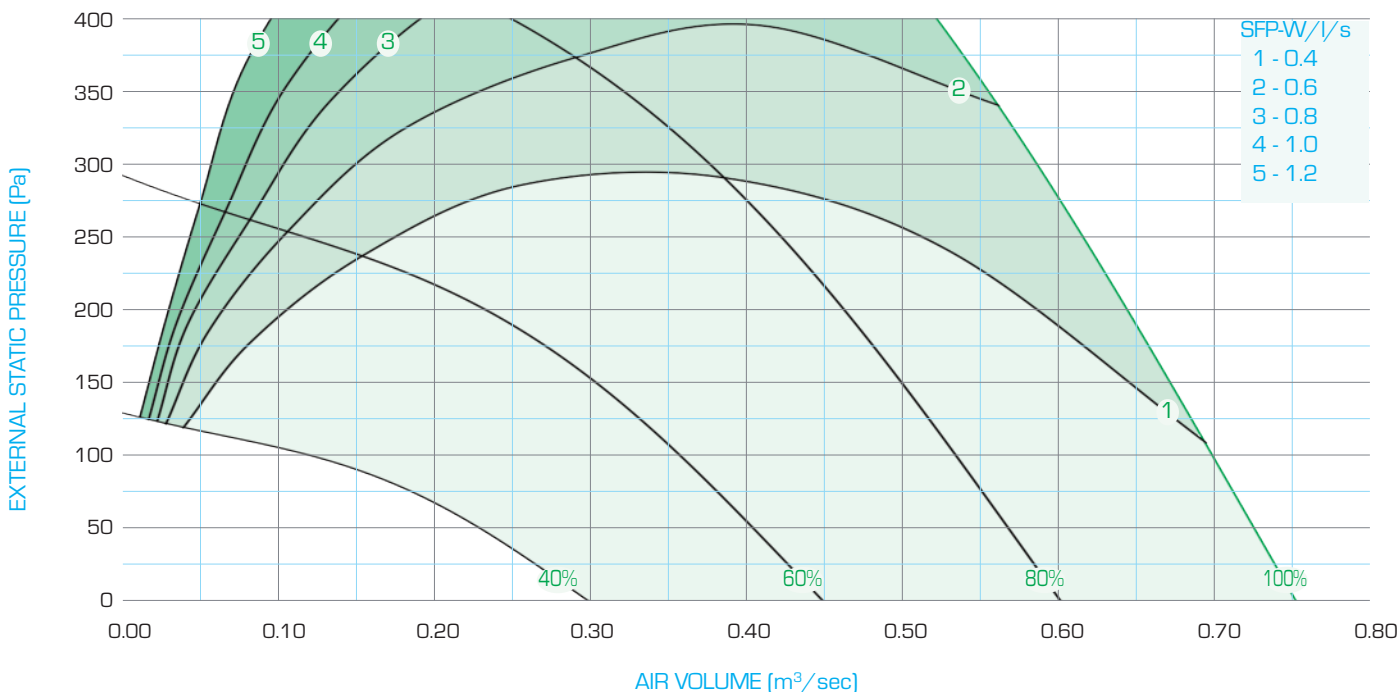
AHU-HW1-D-EC/AHU-HW1-R-EC		Mid Octave Frequency band / Hz								Total in Duct		Breakout @ 1m		Breakout @ 3m	
		63	125	250	500	1k	2k	4k	8k	dB	dB(A)	dB(A)	NR	dB(A)	NR
100%	Inlet in duct dB	69	75	75	78	77	73	72	76	84	82	51	48	41	38
	Outlet in duct dB	72	78	78	81	80	76	75	79	87	85				
80%	Inlet in duct dB	64	70	70	73	72	67	67	71	79	77	46	43	36	32
	Outlet in duct dB	67	73	73	76	75	70	70	74	82	80				
60%	Inlet in duct dB	57	64	63	67	65	60	60	63	72	70	39	36	30	26
	Outlet in duct dB	60	67	66	70	68	63	63	66	75	73				
40%	Inlet in duct dB	47	57	54	56	55	51	51	51	63	60	30	26	21	<20
	Outlet in duct dB	50	60	57	59	58	54	54	54	66	63				

# Air Handling Units Internal and External LPHW Heating Coil



## TECHNICAL DATA - AHU-HW4-D-EC/AHU-HW4-R-EC

### FAN SPEED



ELECTRICAL DATA	MODEL	FAN POWER W	SUPPLY	FLC amps
	AHU-HW4-EC	510	230V 1Ph	3.1

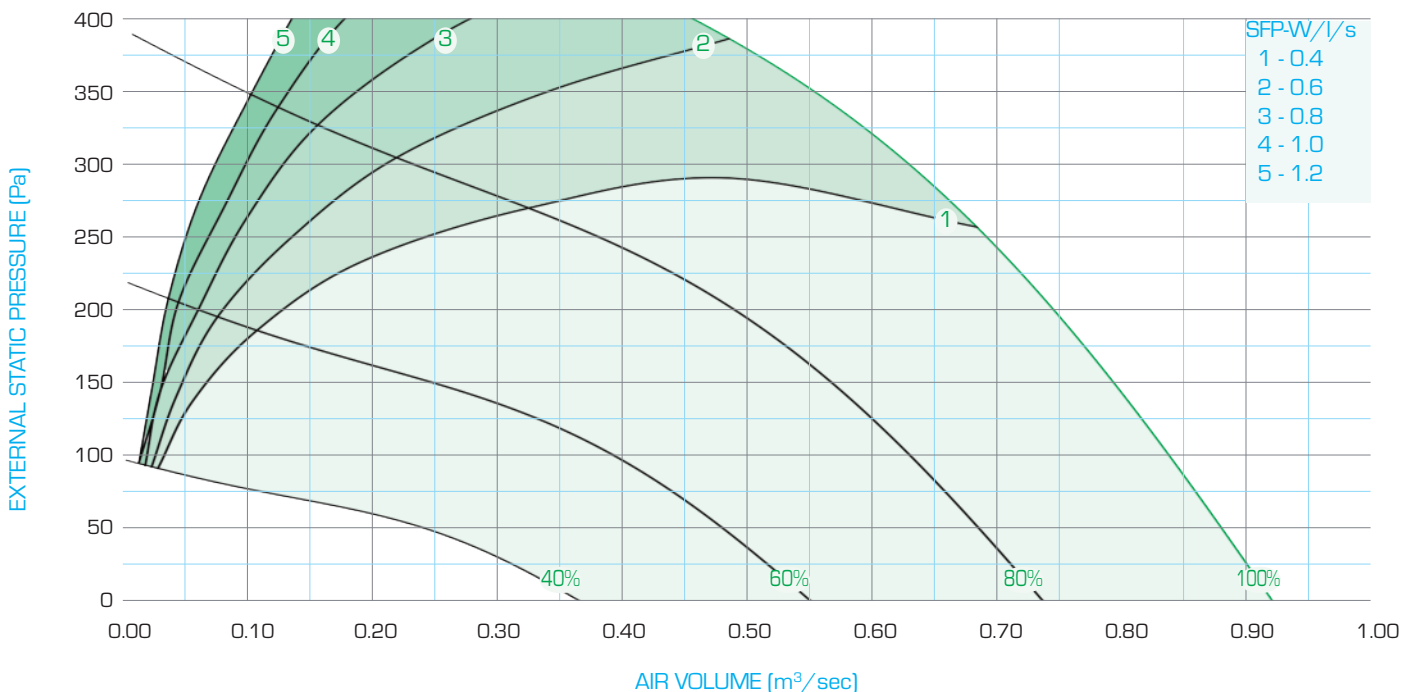
AHU-HW4-D-EC/AHU-HW4-R-EC		Mid Octave Frequency band / Hz								Total in Duct		Breakout @ 1m		Breakout @ 3m	
		63	125	250	500	1k	2k	4k	8k	dB	dB(A)	dB(A)	NR	dB(A)	NR
100%	Inlet in duct dB	66	70	80	79	78	74	70	65	85	82	54	53	45	44
	Outlet in duct dB	69	73	83	82	81	77	73	68	88	85				
80%	Inlet in duct dB	61	65	75	74	73	68	65	60	80	77	49	48	40	38
	Outlet in duct dB	64	68	78	77	76	71	68	63	83	80				
60%	Inlet in duct dB	54	59	68	67	65	61	59	53	73	70	42	41	33	31
	Outlet in duct dB	57	62	71	70	68	64	62	56	76	73				
40%	Inlet in duct dB	45	51	56	54	52	50	49	42	60	57	30	28	20	<20
	Outlet in duct dB	48	54	59	57	55	53	52	45	63	60				

# Air Handling Units Internal and External LPHW Heating Coil



## TECHNICAL DATA - AHU-HW6-D-EC/AHU-HW6-R-EC

### FAN SPEED



ELECTRICAL DATA	MODEL	FAN POWER W	SUPPLY	FLC amps
	AHU-HW6-EC	450	230V 1Ph	2.9

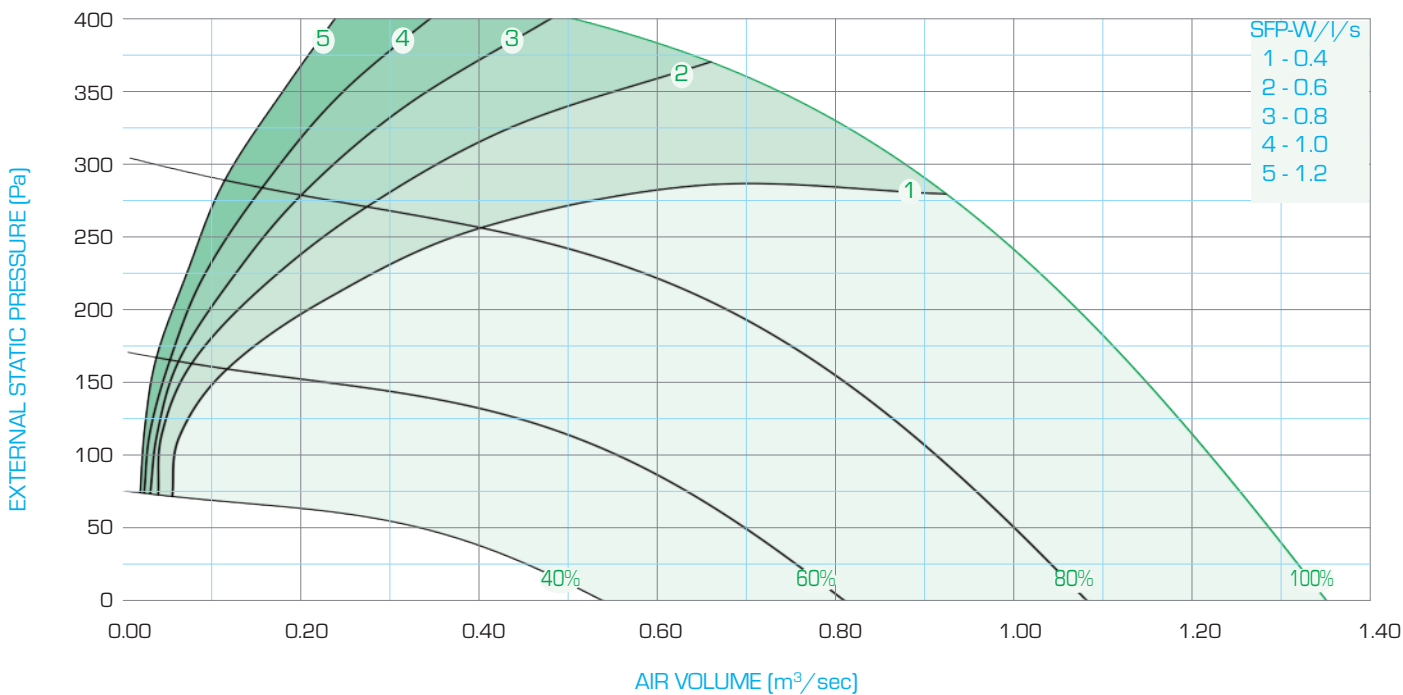
AHU-HW6-D-EC/AHU-HW6-R-EC		Mid Octave Frequency band / Hz								Total in Duct		Breakout @ 1m		Breakout @ 3m	
		63	125	250	500	1k	2k	4k	8k	dB	dB(A)	dB(A)	NR	dB(A)	NR
100%	Inlet in duct dB	64	75	74	76	68	66	65	54	81	76	50	47	40	38
	Outlet in duct dB	67	78	77	79	71	69	68	57	84	79				
80%	Inlet in duct dB	59	70	68	70	63	61	59	49	75	70	44	41	34	31
	Outlet in duct dB	62	73	71	73	66	64	62	52	78	73				
60%	Inlet in duct dB	53	63	61	62	55	54	51	42	68	63	36	33	27	22
	Outlet in duct dB	56	66	64	65	58	57	54	45	71	66				
40%	Inlet in duct dB	45	56	53	53	47	46	42	36	60	54	29	24	<20	<20
	Outlet in duct dB	48	59	56	56	50	49	45	39	63	57				

# Air Handling Units Internal and External LPHW Heating Coil



## TECHNICAL DATA - AHU-HW7-D-EC/AHU-HW7-R-EC

### FAN SPEED



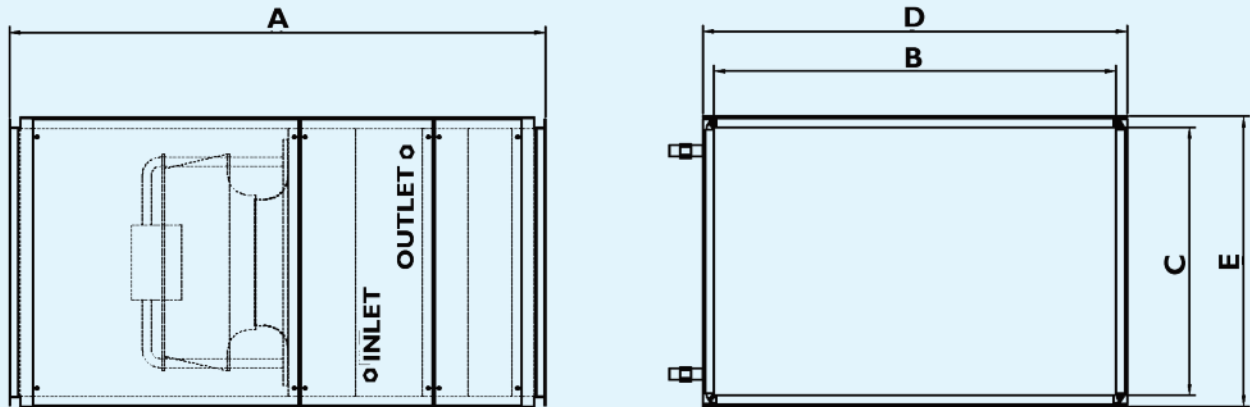
ELECTRICAL DATA	MODEL	FAN POWER W	SUPPLY	FLC amps
	AHU-HW7-EC	450	230V 1Ph	2.9

AHU-HW7-D-EC/AHU-HW7-R-EC		Mid Octave Frequency band / Hz								Total in Duct		Breakout @ 1m		Breakout @ 3m	
		63	125	250	500	1k	2k	4k	8k	dB	dB(A)	dB(A)	NR	dB(A)	NR
100%	Inlet in duct dB	66	71	73	73	63	64	63	52	78	73	46	44	37	34
	Outlet in duct dB	68	72	74	76	74	71	66	55	81	79				
80%	Inlet in duct dB	60	67	69	68	58	58	57	47	73	68	41	39	32	29
	Outlet in duct dB	63	67	69	71	69	65	61	50	76	73				
60%	Inlet in duct dB	55	58	60	59	51	52	50	40	65	60	33	30	24	20
	Outlet in duct dB	57	60	61	63	61	59	54	43	68	66				
40%	Inlet in duct dB	48	51	48	47	46	46	40	34	56	51	24	<20	<20	<20
	Outlet in duct dB	49	53	51	52	55	52	45	38	60	58				

# Air Handling Units Internal and External LPHW Heating Coil

## UNIT DIMENSIONS

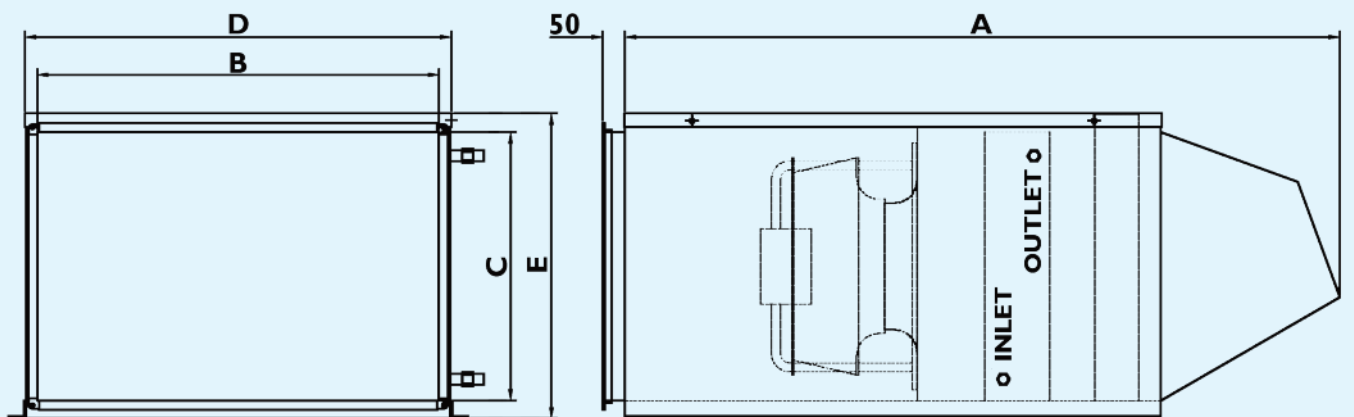
### INTERNAL - AHU-R-ECs



AHUs - INTERNAL and EXTERNAL - EHB

Model	A	B	C	D	kg	Model	A	B	C	D	kg
AHU-HW1-D-EC	950	600	450	650	500	AHU-HW1-R-EC	1200	600	450	650	580
AHU-HW4-D-EC	950	750	450	800	500	AHU-HW4-R-EC	1225	750	450	800	580
AHU-HW6-D-EC	1050	825	500	875	550	AHU-HW5-R-EC	1350	825	500	875	580
AHU-HW7-D-EC	1200	900	600	950	650	AHU-HW7-R-EC	1600	900	600	950	680

### EXTERNAL - AHU-HW-R-ECs



# Air Handling Units

with

## EC Motors

### EHB and LPHW

### Plant and Roof

0.11 m<sup>3</sup>/sec to 1.4 m<sup>3</sup>/sec



**Vectaire Ltd**  
Lincoln Road  
Cressex Business Park  
High Wycombe  
Buckinghamshire  
HP12 3RH  
Tel: +44(0)1494 522333  
Fax: +44(0)1494 522337  
Email: [sales@vectaire.co.uk](mailto:sales@vectaire.co.uk)  
Web: [www.vectaire.co.uk](http://www.vectaire.co.uk)

