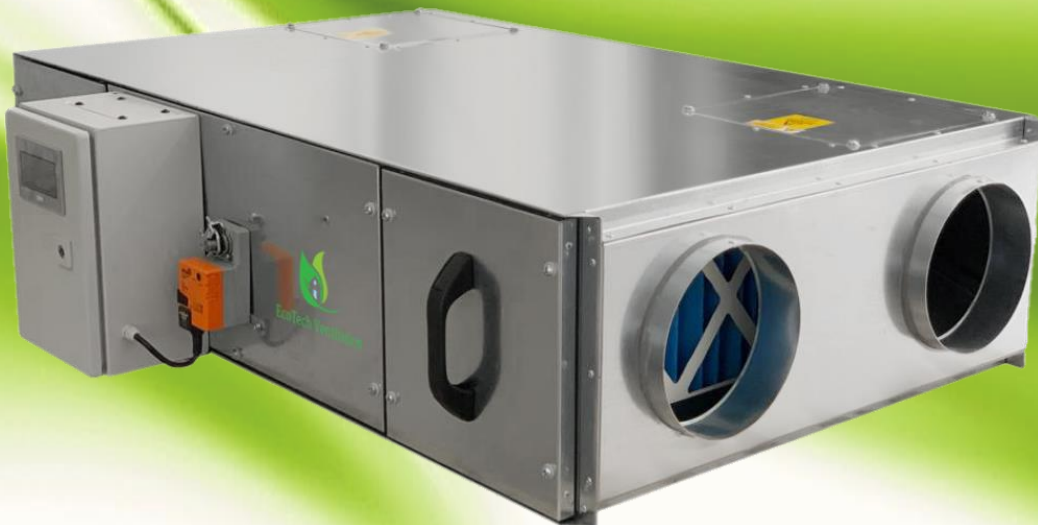




# **ECO HEAT RECOVERY UNIT**

**SUPPLY RANGE – 0.05m<sup>3</sup>/s to 1.00m<sup>3</sup>/s**



**Manufactured in the UK**

**Bespoke designed controller**

**Top, bottom and side access**

**External and internal mounting options**

**Low profile design starting height 310mm**

**Available with electric heating, LPHW, DX cooling**

**Extremely efficient, up to 95% heat recovery to BS EN 308**





## Benefits and Specification of the Heat Recovery Range

### Heat Recovery Efficiency

Counterflow heat exchanger with summer bypass offering up to 95% efficiency. Most applications will not need a top up heater. Resulting in reduced boiler plant or electrical load. Therefore, running costs are further reduced.

### User Friendly

top, bottom or side access options available, allowing easy inspection of your heat recovery unit. Multiple accesses offer the best solution for restricted areas such as ceiling voids and internal plant rooms.



### EC Fans

Highly efficient EC Fans offer great energy saving solutions. Low specific fan power helps to achieve Part L2 building compliance. 0-10VDC input allows for accurate speed control from BMS or demand ventilation inputs. With reduced maintenance.

### Low Height

Low height offering space saving solutions, starting from 310mm high. Ideal for modern buildings with reduced ceiling void depth. Available with optional acoustic lining to reduce noise breakout.

### Locations

Internal or external options available, external always includes pitched roof and base frame. Other extra options include cowls and external coating. External mounted units offer solutions where ceiling voids are restricted. Ideal for noise sensitive areas as unit is removed from the ceiling void.

### Range

Heat recovery models range from 0.05m<sup>3</sup>/s up to 1.0m<sup>3</sup>/s. Units available with compliance to specifications.

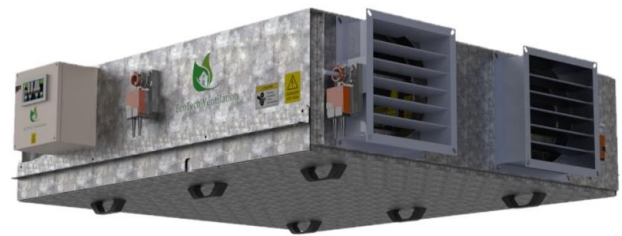
### Controls

Hard wired controls supplied fitted or loose. Pre-wired controls reduce costs on site and offer easy installation and set-up. Easy to commission with optional CO<sup>2</sup> or PIR sensors if required.

### Available options

- Electric heater
- LPHW Coils
- DX/CHW Coil
- Attenuators

DX and CHW coils offer extra flexibility and enhanced solutions. Standard or purpose made attenuators to achieve NR levels. Enhanced acoustic casing option available.



### Heating Module Electric

The electric heater uses mineral insulated elements sheathed in highly corrosion resistant Incoloy 800 and comes complete with a manual reset thermal cut-out plus a backup automatic reset cut-out.

The module casing is constructed to the same high-quality standard as the main unit casing with 25mm double skinning. The module is designed for bolting directly to the HRU using internal fixings.

### DX Cooling Module

Our DX Cooling Module is available on all sizes and specifically designed to match your selected DX Condensing Unit.



## Casing Construction



The casing is constructed from a unique, compact, frameless system, using folded galvanized steel sheet, insulated with high density, mineral wool slab. All panels are double skinned to a thickness of 25mm on the sides, ends and top of the casing. Access is via removable panels fitted with screw fixings and robust grab handles. If the unit is for external mounting, casings are pre-treated, and polyester powder coated.

Casing Constructed to the following classes in accordance with BS EN1886:2007:

- Case Strength: D1
- Case Leakage: L2
- Thermal Transmittance: T3
- Thermal Bridging: TB4

## Filters

Disposable, synthetic panel filters with an arrestance of G4 to BS EN 779. F7 and M5 filter options are available upon request.

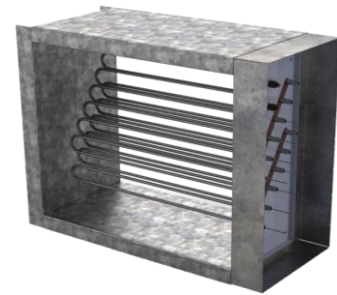
Synthetic media with non-woven fibers bonded within a non-hygroscopic frame. The filters are of a high-capacity design for lower air pressure drop and maximum dust holding capacity.

Filters and pressure switches are fitted on the supply and extract sides as standard. Filters are housed within slide channels for easy removal.

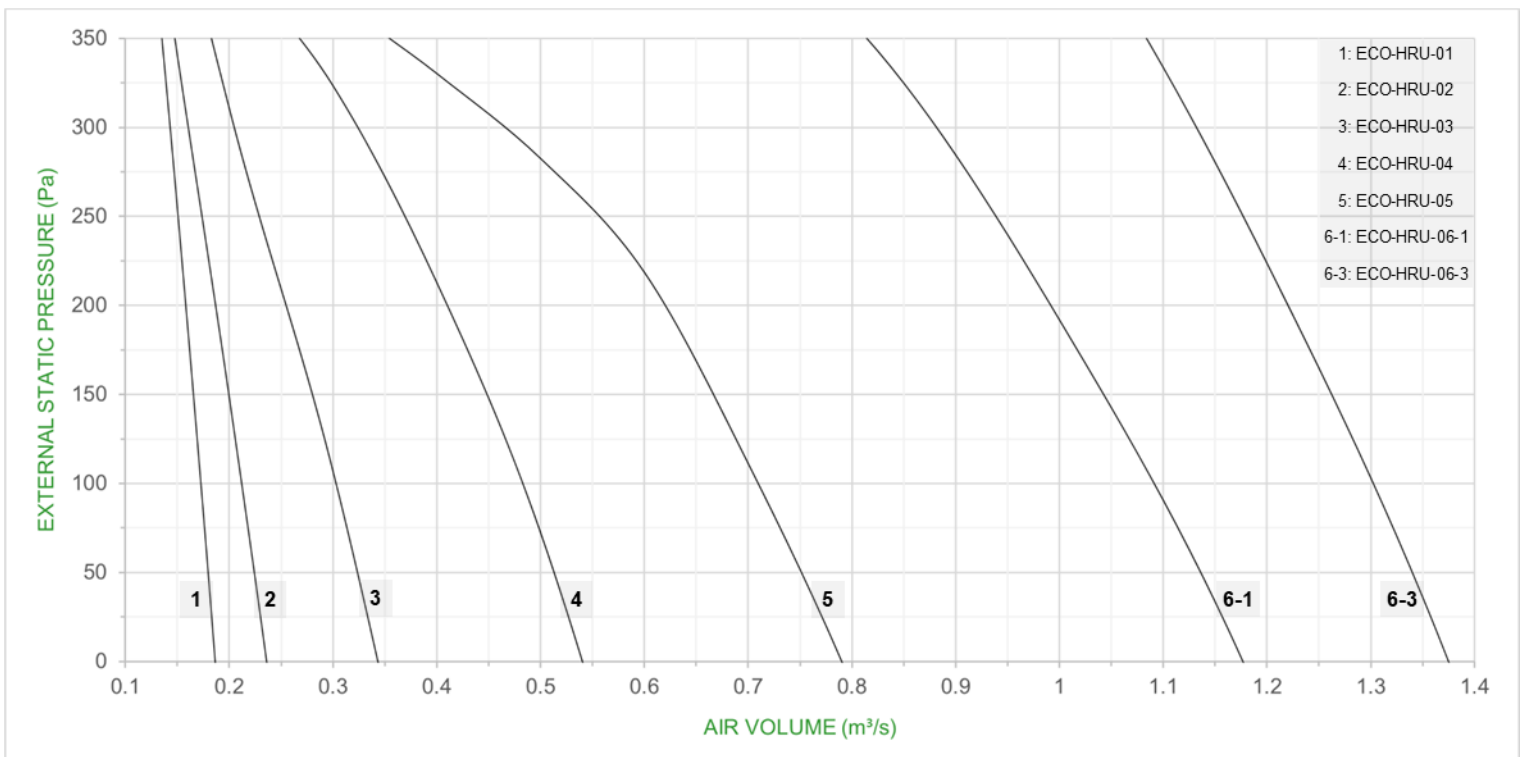


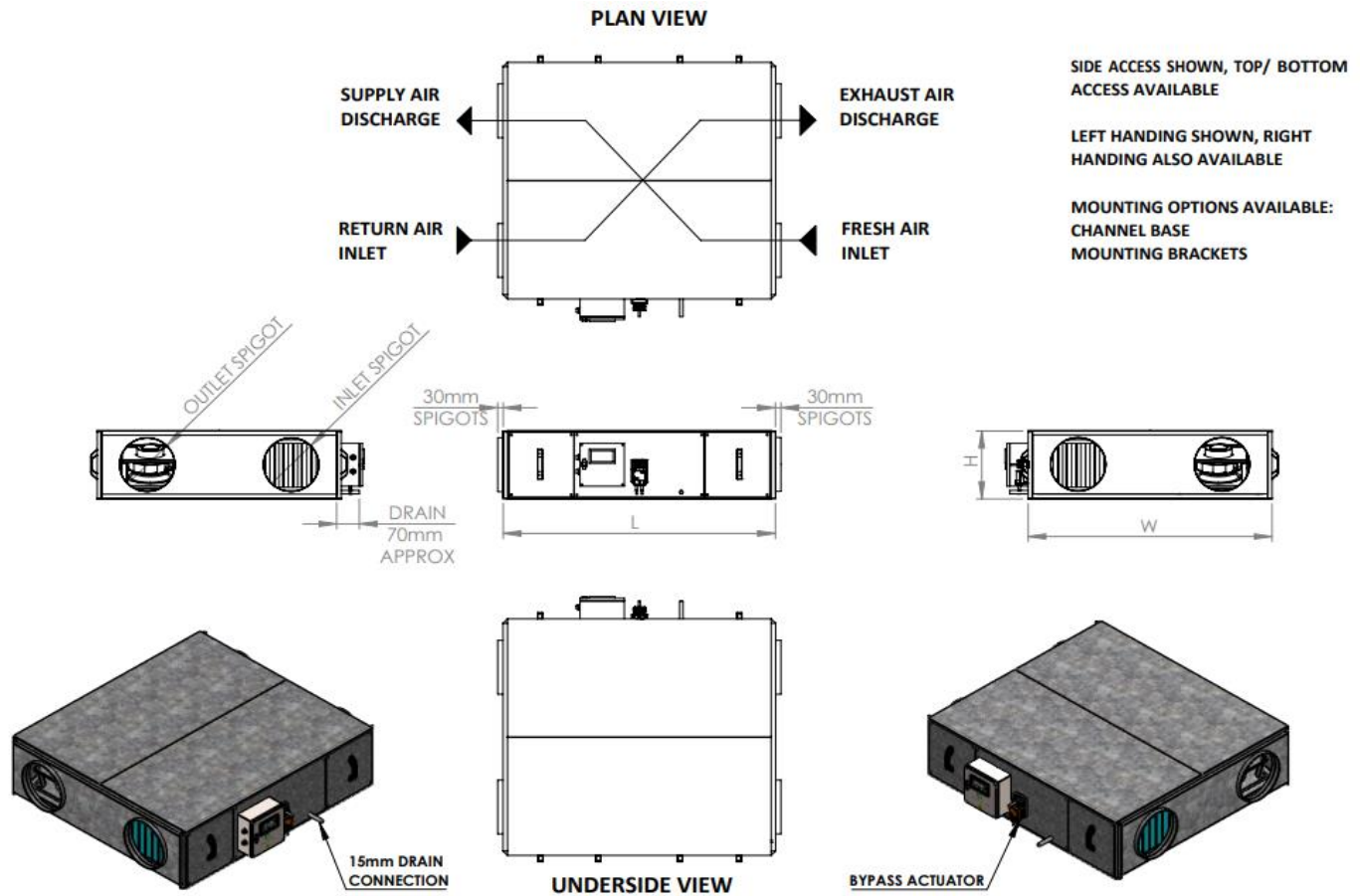
## Heating Module LPHW

Heating module using LPHW at 80/60°C flow and return. Slide rail mounted, the coil is constructed from copper tubes with bonded aluminum fins mounted within a heavy gauge galvanized steel casing. The module casing is constructed to the same high-quality standard as the main unit casing with 25mm double skinning. The module is designed for bolting directly to the HRU using internal fixings.



## Summary Curves – Maximum Fan Speed per Model





## DIMENSIONS

Width	Height	Length	Inlet Spigot	Outlet Spigot	Weight
750mm	310mm	1225mm	Ø 200	Ø 200mm	90 Kg

## ELECTRICAL DATA

Motor Type	Class / IP Rating	Impeller	Motor Power	FLC	Power Supply
EC	B / IP54	Backward curved	170W ea	1.75 ea	230V AC, 1~ 50Hz

## ACOUSTIC DATA

Duty Curve		Sum	63Hz	125Hz	250Hz	500Hz	1kHz	2kHz	4kHz	8kHz
100%	Inlet	70	64	58	63	62	61	62	59	58
	Outlet	74	67	59	64	64	66	67	64	61
90%	Inlet	68	62	57	61	59	59	59	56	54
	Outlet	71	66	57	62	61	63	64	61	57
80%	Inlet	64	57	55	58	56	56	55	53	49
	Outlet	67	58	55	59	58	60	60	57	52
70%	Inlet	62	53	55	56	54	53	52	49	45
	Outlet	64	53	54	57	56	57	57	54	47
60%	Inlet	63	58	58	56	52	51	50	45	40
	Outlet	64	56	57	56	54	54	55	49	42

\*Acoustic data given for fans running at an external pressure of 150Pa at each speed interval

## HOT WATER HEATER

Heater Model	Nominal Output (kW)	Outlet Spigot	Dimensions WxHxL
HW1/1R	2.0	Ø 200mm	450 x 310 x 490

## CHILLED WATER COOLER

Cooler Model	Nominal Output (kW)	Outlet Spigot	Dimensions WxHxL
CW1/2R	1.0	Ø 200mm	450 x 310 x 490



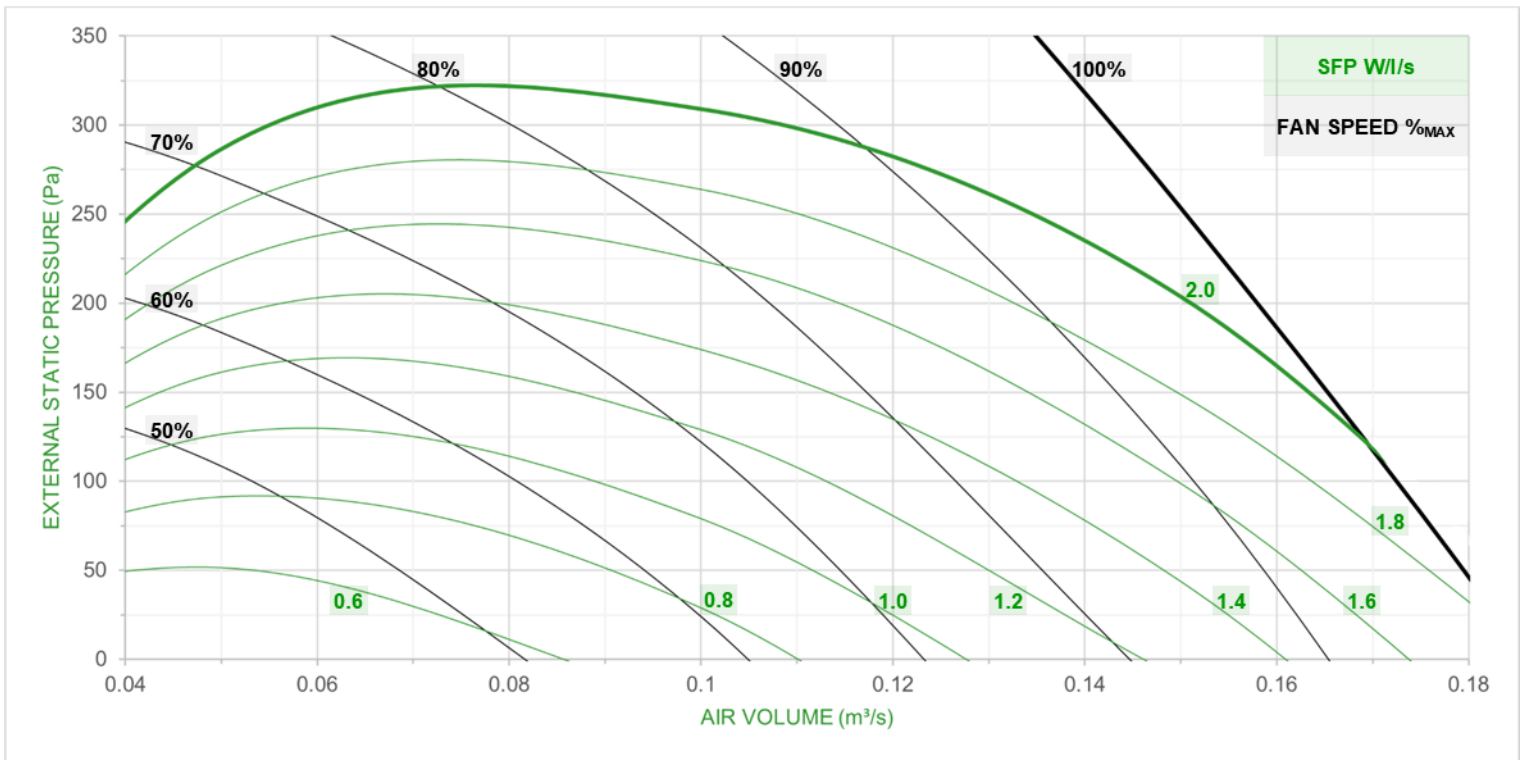
## ELECTRIC FROST HEATER (ON/OFF)

Heater Model	Output (kW)	Power Supply	Nom. Current (A)	Inlet Spigot	Dimensions WxHxL
EHB1/1.5	1.5	230V/1PH/50Hz	6.6	Ø 200mm	450 x 310 x 490mm

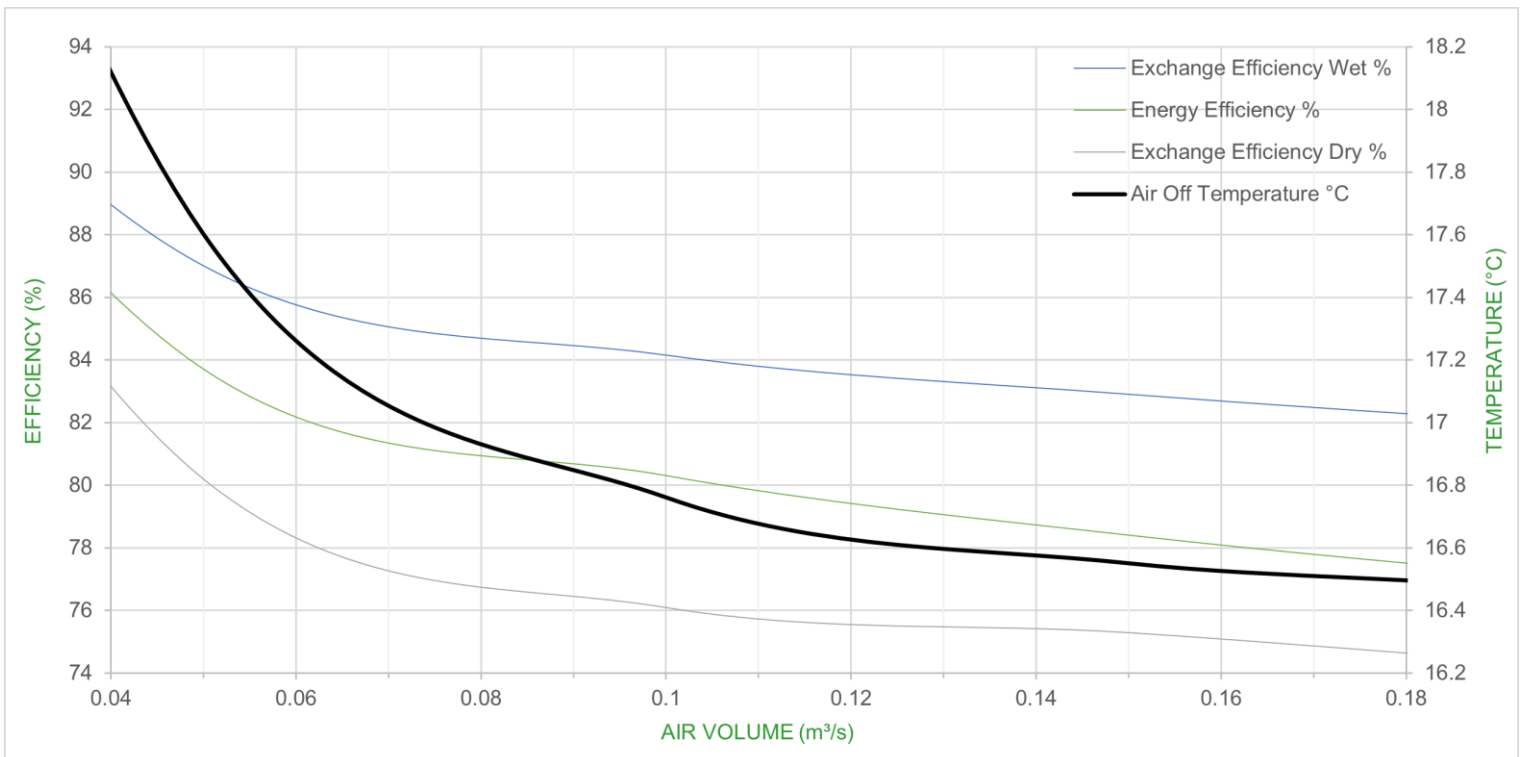
## ELECTRIC HEATER (THYRISTOR CONTROL)

Heater Model	Output (kW)	Power Supply	Nom. Current (A)	Outlet Spigot	Dimensions WxHxL
EHT1/1.5	1.5	230V/1PH/50Hz	6.6	Ø 200mm	450 x 310 x 490mm

### SPEED CURVES

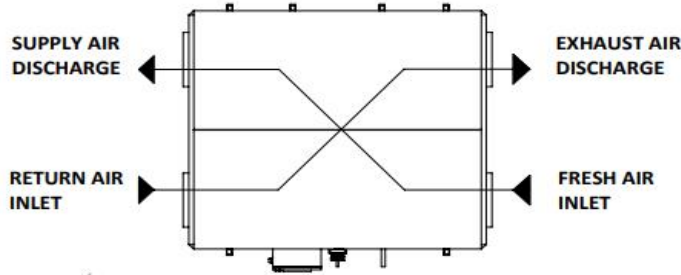


### EFFICIENCY CURVES





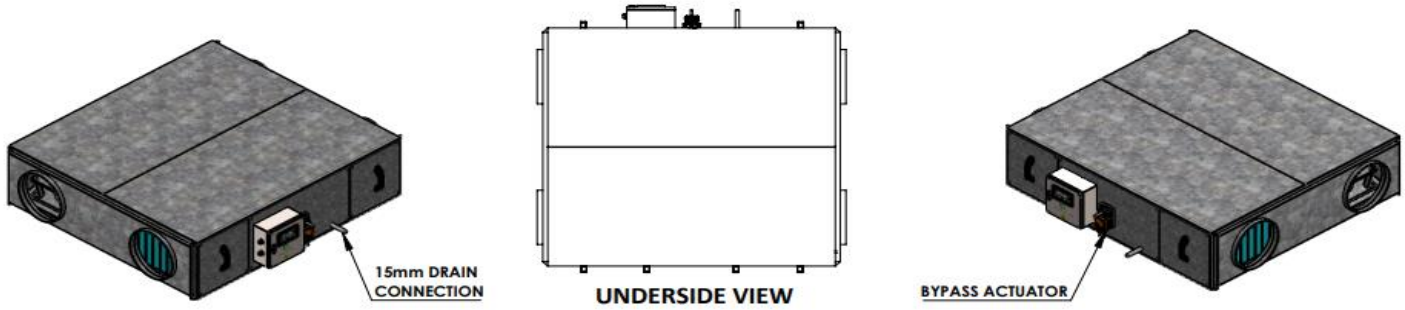
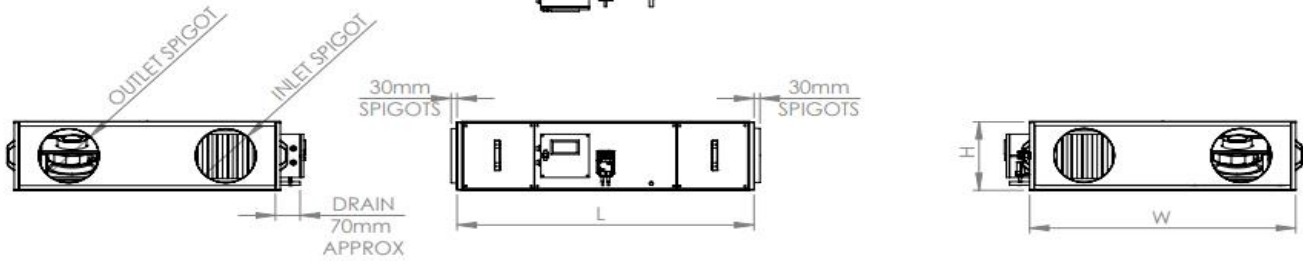
**PLAN VIEW**



SIDE ACCESS SHOWN, TOP/ BOTTOM ACCESS AVAILABLE

LEFT HANDING SHOWN, RIGHT HANDING ALSO AVAILABLE

MOUNTING OPTIONS AVAILABLE:  
CHANNEL BASE  
MOUNTING BRACKETS



**DIMENSIONS**

Width	Height	Length	Inlet Spigot	Outlet Spigot	Weight
800mm	365mm	1410mm	Ø 250mm	Ø 250mm	120 Kg

**ELECTRICAL DATA**

Motor Type	Class / IP Rating	Impeller	Motor Power	FLC	Power Supply
EC	B / IP54	Backward curved	170W ea	1.65 ea	230V AC, 1~ 50Hz

**ACOUSTIC DATA**

Duty Curve		Sum	63Hz	125Hz	250Hz	500Hz	1kHz	2kHz	4kHz	8kHz
100%	Inlet	66	59	60	60	55	55	55	54	51
	Outlet	69	58	60	62	59	61	63	57	53
90%	Inlet	64	58	57	58	53	53	53	52	47
	Outlet	67	57	57	60	57	59	60	55	50
80%	Inlet	62	56	55	57	51	51	51	49	43
	Outlet	65	56	56	60	55	56	57	52	46
70%	Inlet	62	57	58	56	50	49	49	46	39
	Outlet	65	57	58	60	54	55	55	49	42
60%	Inlet	66	61	63	57	51	49	48	45	37
	Outlet	67	60	63	59	54	55	55	48	41

\*Acoustic data given for fans running at an external pressure of 150Pa at each speed interval

**HOT WATER HEATER**

Heater Model	Nominal Output (kW)	Outlet Spigot	Dimensions WxHxL
HW2/1R	2.5	Ø 250mm	500 x 365 x 490mm

**CHILLED WATER COOLER**

Cooler Model	Nominal Output (kW)	Outlet Spigot	Dimensions WxHxL
CW2/2R	1.9	Ø 250mm	500 x 365 x 490mm



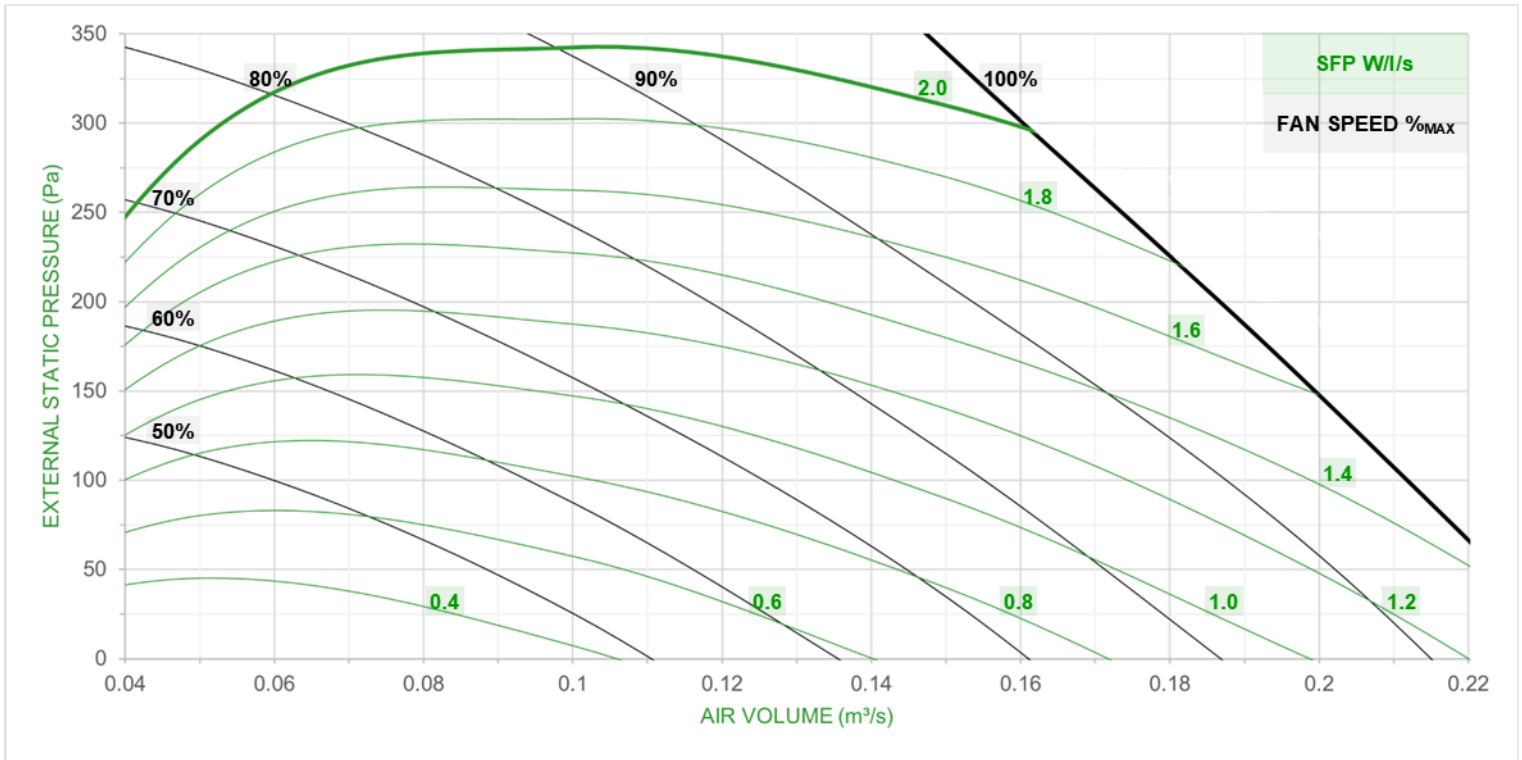
## ELECTRIC FROST HEATER (ON/OFF)

Heater Model	Output (kW)	Power Supply	Nom. Current (A)	Inlet Spigot	Dimensions WxHxL
EHB2/1.5	1.5	230V/1PH/50Hz	6.6	Ø 250mm	500 x 365 x 490mm

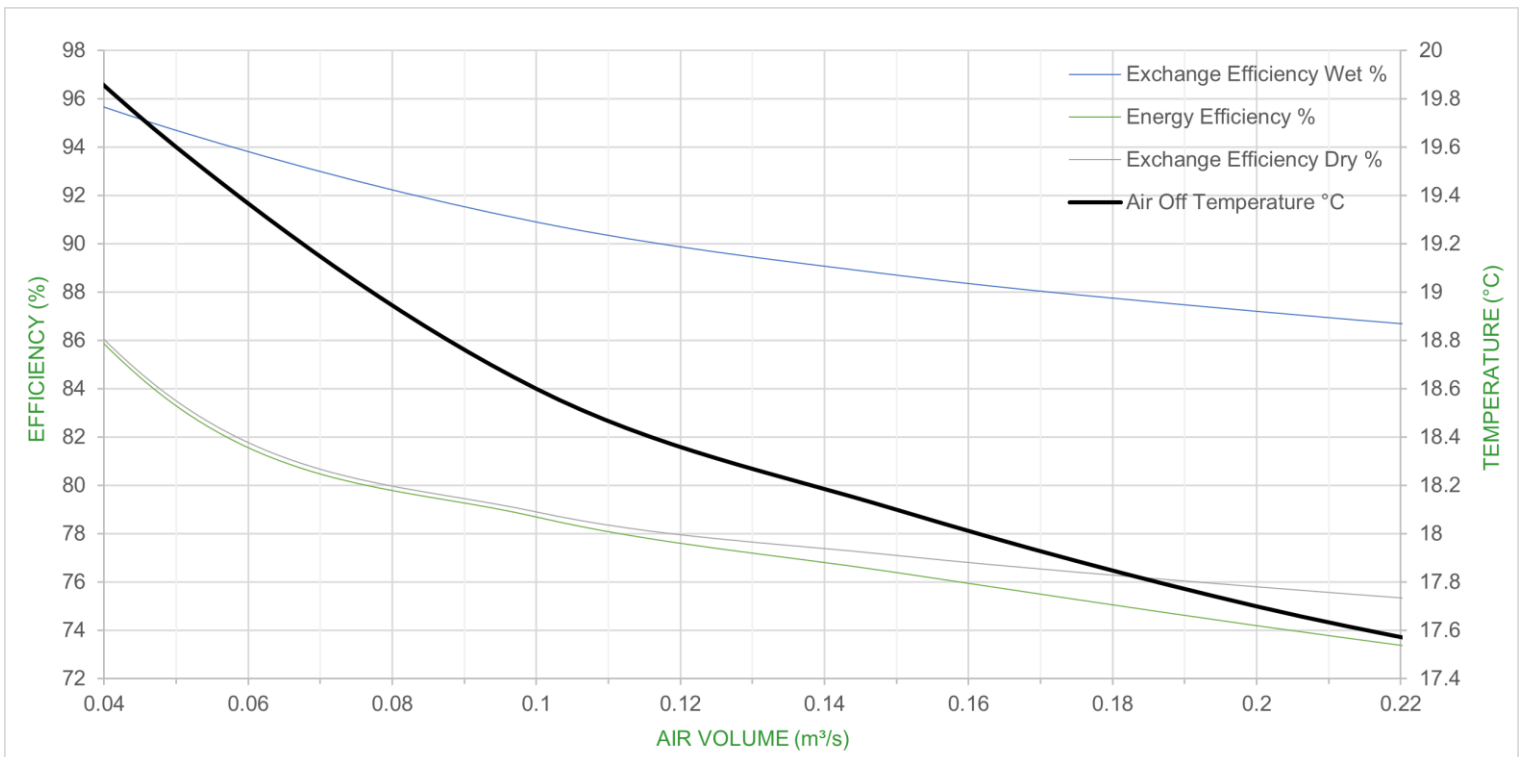
## ELECTRIC HEATER (THYRISTOR CONTROL)

Heater Model	Output (kW)	Power Supply	Nom. Current (A)	Outlet Spigot	Dimensions WxHxL
EHT2/2.0	2.0	230V/1PH/50Hz	8.7	Ø 250mm	500 x 365 x 490mm

### SPEED CURVES

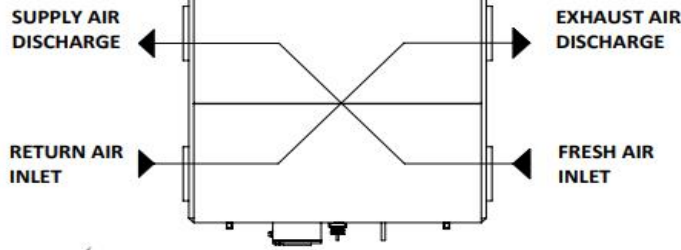


### EFFICIENCY CURVES





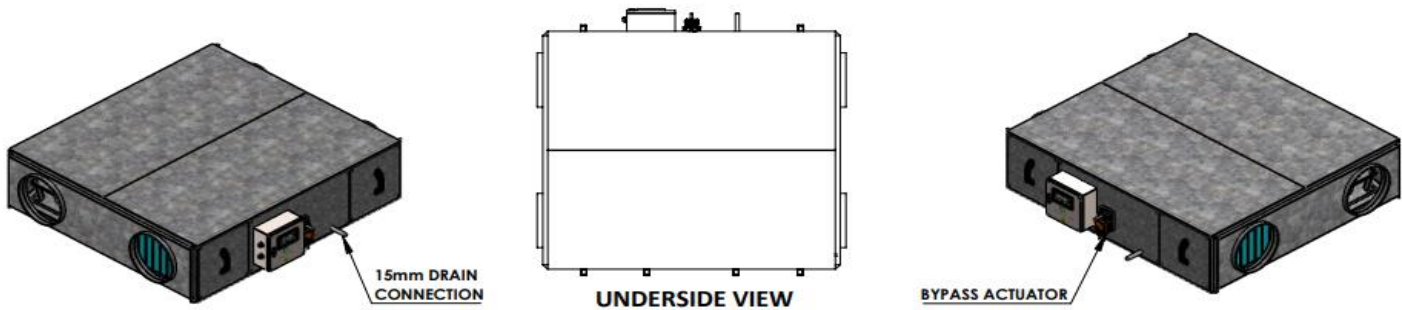
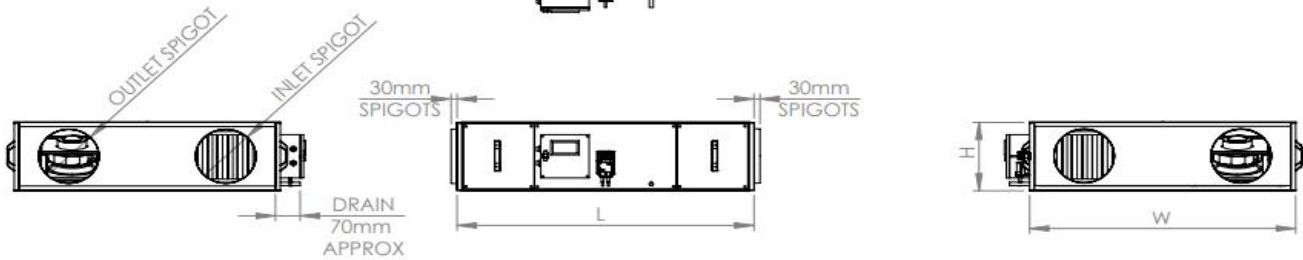
## PLAN VIEW



SIDE ACCESS SHOWN, TOP/ BOTTOM ACCESS AVAILABLE

LEFT HANDING SHOWN, RIGHT HANDING ALSO AVAILABLE

MOUNTING OPTIONS AVAILABLE:  
CHANNEL BASE  
MOUNTING BRACKETS



UNDERSIDE VIEW

## DIMENSIONS

Width	Height	Length	Inlet Spigot	Outlet Spigot	Weight
1375mm	400mm	1535mm	Ø 315mm	Ø 315mm	215 Kg

## ELECTRICAL DATA

Motor Type	Class / IP Rating	Impeller	Motor Power	FLC	Power Supply
EC	B / IP54	Backward curved	170W ea	1.75 ea	230V AC, 1~ 50Hz

## ACOUSTIC DATA

Duty Curve		Sum	63Hz	125Hz	250Hz	500Hz	1kHz	2kHz	4kHz	8kHz
100%	Inlet	67	59	57	59	58	59	58	60	55
	Outlet	71	57	58	62	61	64	65	63	57
90%	Inlet	67	63	58	58	56	56	56	57	50
	Outlet	70	62	58	63	61	62	63	60	52
80%	Inlet	65	60	58	58	55	55	54	52	45
	Outlet	68	59	59	62	59	60	60	55	46
70%	Inlet	66	61	62	57	53	53	51	47	39
	Outlet	68	60	62	62	57	58	57	50	41
60%	Inlet	68	64	64	56	53	51	48	44	36
	Outlet	68	63	65	59	56	56	55	47	38

\*Acoustic data given for fans running at an external pressure of 150Pa at each speed interval

## HOT WATER HEATER

Heater Model	Nominal Output (kW)	Outlet Spigot	Dimensions W x H x L
HW3/1R	3.5	Ø 315mm	585 x 400 x 490mm

## CHILLED WATER COOLER

Cooler Model	Nominal Output (kW)	Outlet Spigot	Dimensions W x H x L
CW3/2R	2.0	Ø 315mm	585 x 400 x 490mm





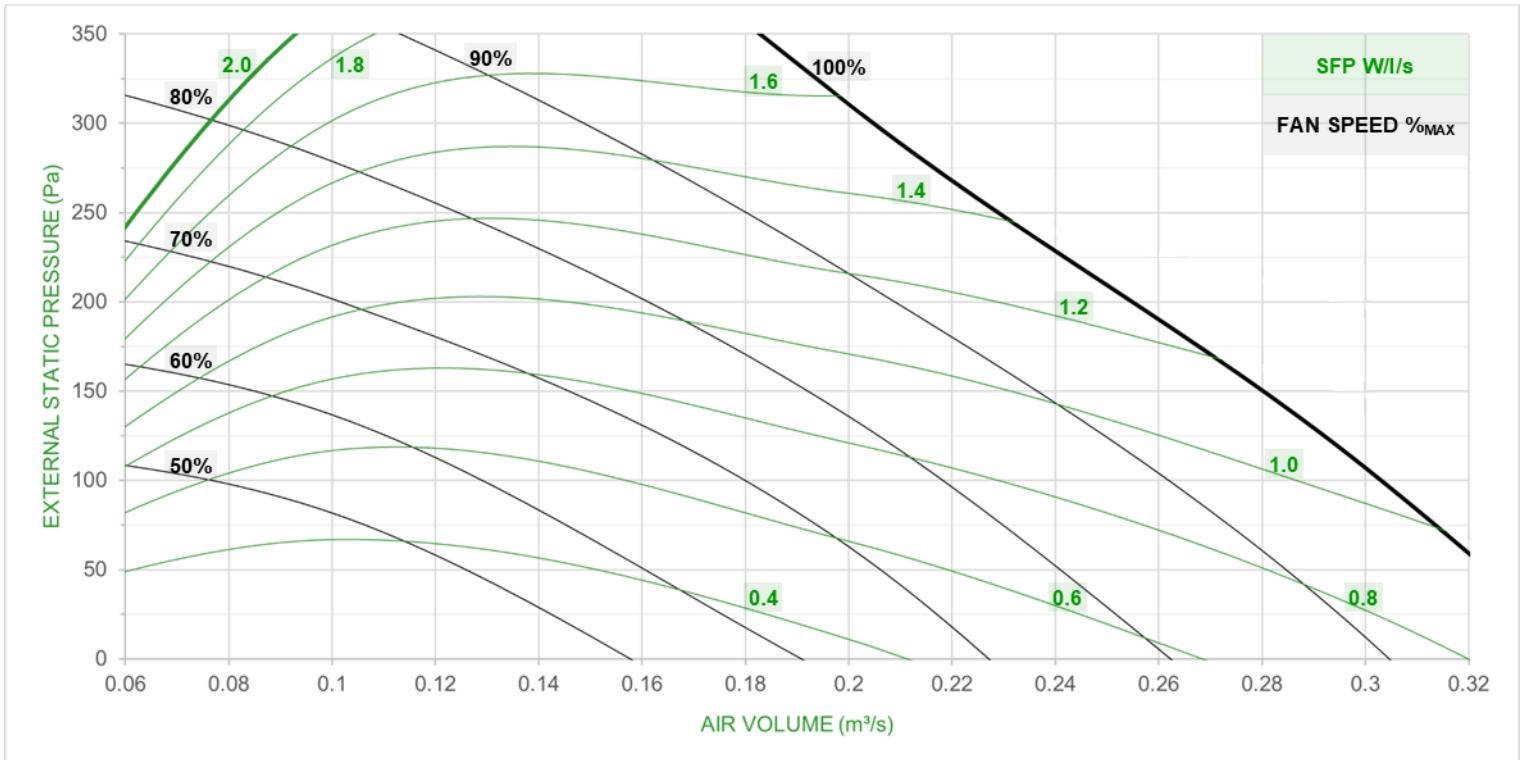
## ELECTRIC FROST HEATER (ON/OFF)

Heater Model	Output (kW)	Power Supply	Nom. Current (A)	Inlet Spigot	Dimensions WxHxL
EHB3/2.0	2.0	230V/1PH/50Hz	8.7	Ø 315mm	585 x 400 x 490mm

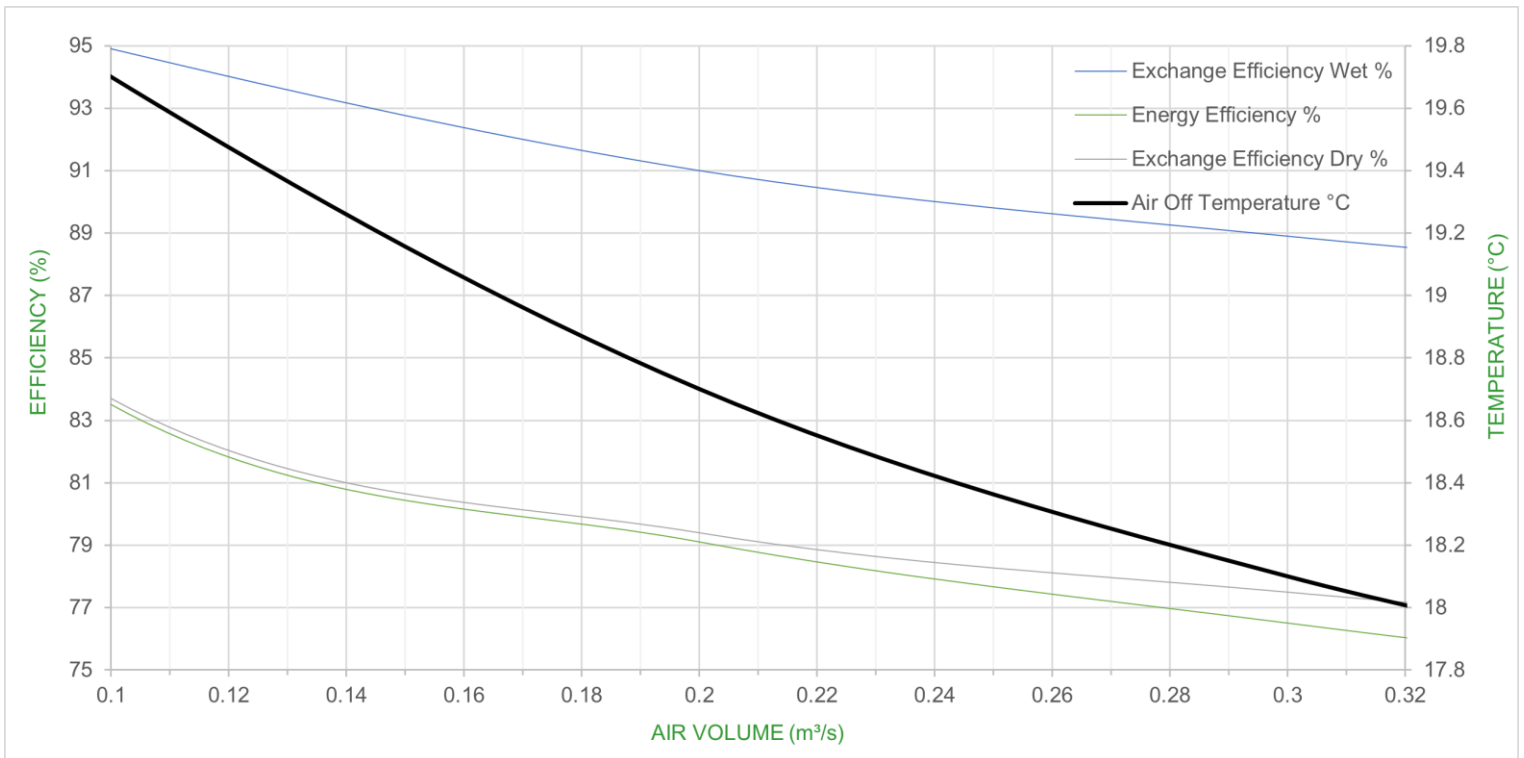
## ELECTRIC HEATER (THYRISTOR CONTROL)

Heater Model	Output (kW)	Power Supply	Nom. Current (A)	Outlet Spigot	Dimensions WxHxL
EHT3/2.5	2.5	230V/1PH/50Hz	10.9	Ø 315mm	585 x 400 x 490mm

### SPEED CURVES

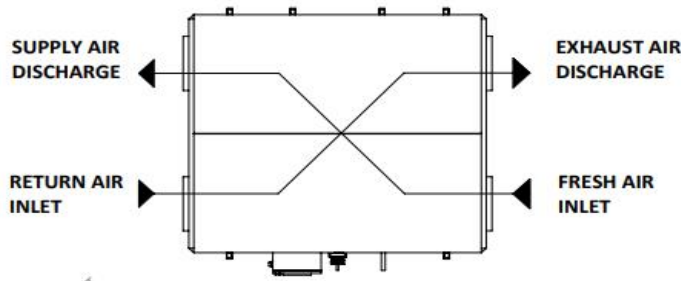


### EFFICIENCY CURVES





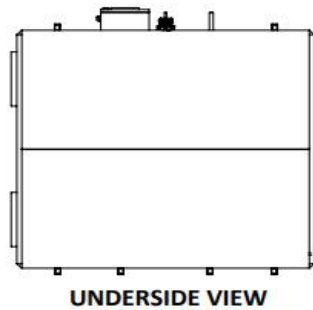
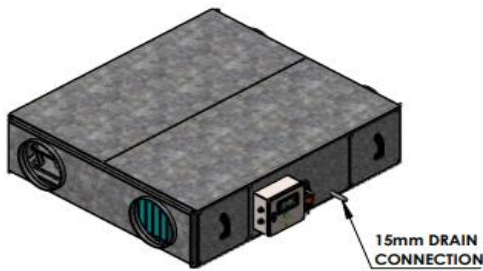
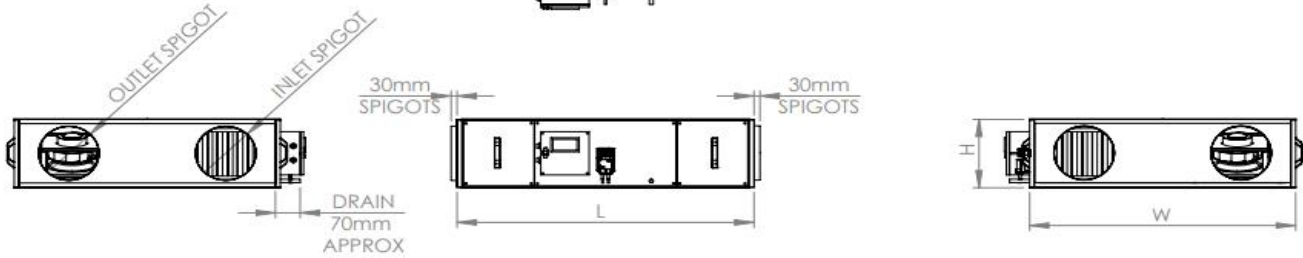
## PLAN VIEW



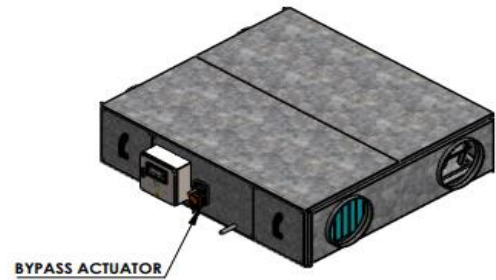
SIDE ACCESS SHOWN, TOP/ BOTTOM ACCESS AVAILABLE

LEFT HANDING SHOWN, RIGHT HANDING ALSO AVAILABLE

MOUNTING OPTIONS AVAILABLE:  
CHANNEL BASE  
MOUNTING BRACKETS



UNDERSIDE VIEW



BYPASS ACTUATOR

## DIMENSIONS

Width	Height	Length	Inlet Spigot	Outlet Spigot	Weight
1375mm	400mm	1535mm	Ø 315mm	Ø 315mm	215 Kg

## ELECTRICAL DATA

Motor Type	Class / IP Rating	Impeller	Motor Power	FLC	Power Supply
EC	B / IP54	Backward curved	500W ea	2.60 ea	230V AC, 1~ 50Hz

## ACOUSTIC DATA

Duty Curve		Sum	63Hz	125Hz	250Hz	500Hz	1kHz	2kHz	4kHz	8kHz
100%	Inlet	65	53	55	57	58	57	56	53	47
	Outlet	69	53	57	59	61	62	64	59	52
90%	Inlet	63	53	57	55	56	55	54	51	43
	Outlet	68	53	59	57	58	60	63	57	49
80%	Inlet	63	57	58	54	55	53	52	47	38
	Outlet	67	56	60	57	57	58	61	53	44
70%	Inlet	72	70	65	57	56	54	52	45	37
	Outlet	72	70	66	61	59	59	60	52	42
60%	Inlet	76	75	69	63	60	57	53	47	39
	Outlet	76	74	70	65	63	62	61	53	44

\*Acoustic data given for fans running at an external pressure of 150Pa at each speed interval

## HOT WATER HEATER

Heater Model	Nominal Output (kW)	Outlet Spigot	Dimensions W x H x L
HW4/1R	3.5	Ø 315mm	585 x 400 x 490mm

## CHILLED WATER COOLER

Cooler Model	Nominal Output (kW)	Outlet Spigot	Dimensions W x H x L
CW4/2R	2.0	Ø 315mm	585 x 400 x 490mm



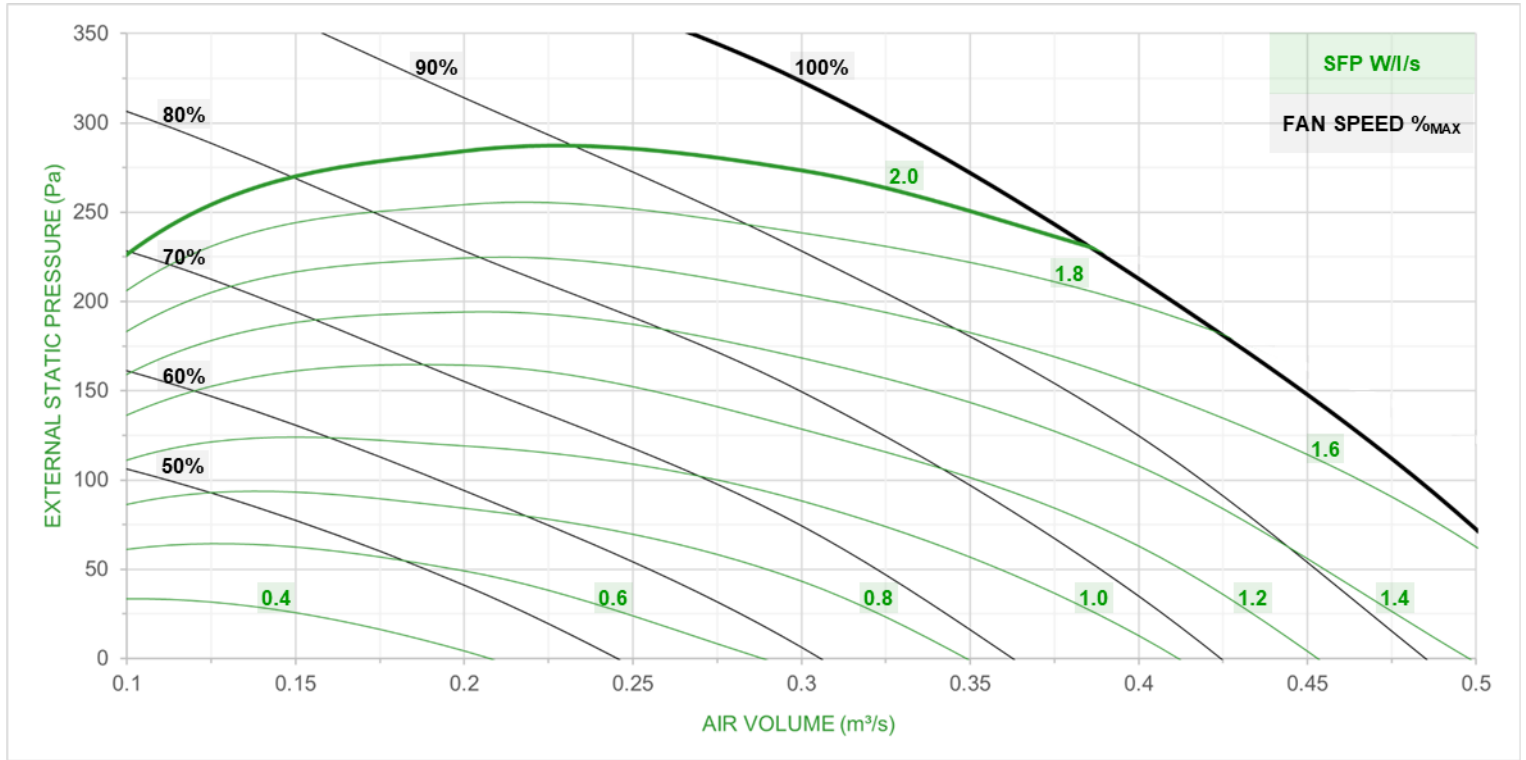
## ELECTRIC FROST HEATER (ON/OFF)

Heater Model	Output (kW)	Power Supply	Nom. Current (A)	Inlet Spigot	Dimensions W x H x L
EHB4/3.0	3.0	230V/1PH/50Hz	13.0	Ø 315mm	585 x 400 x 490mm

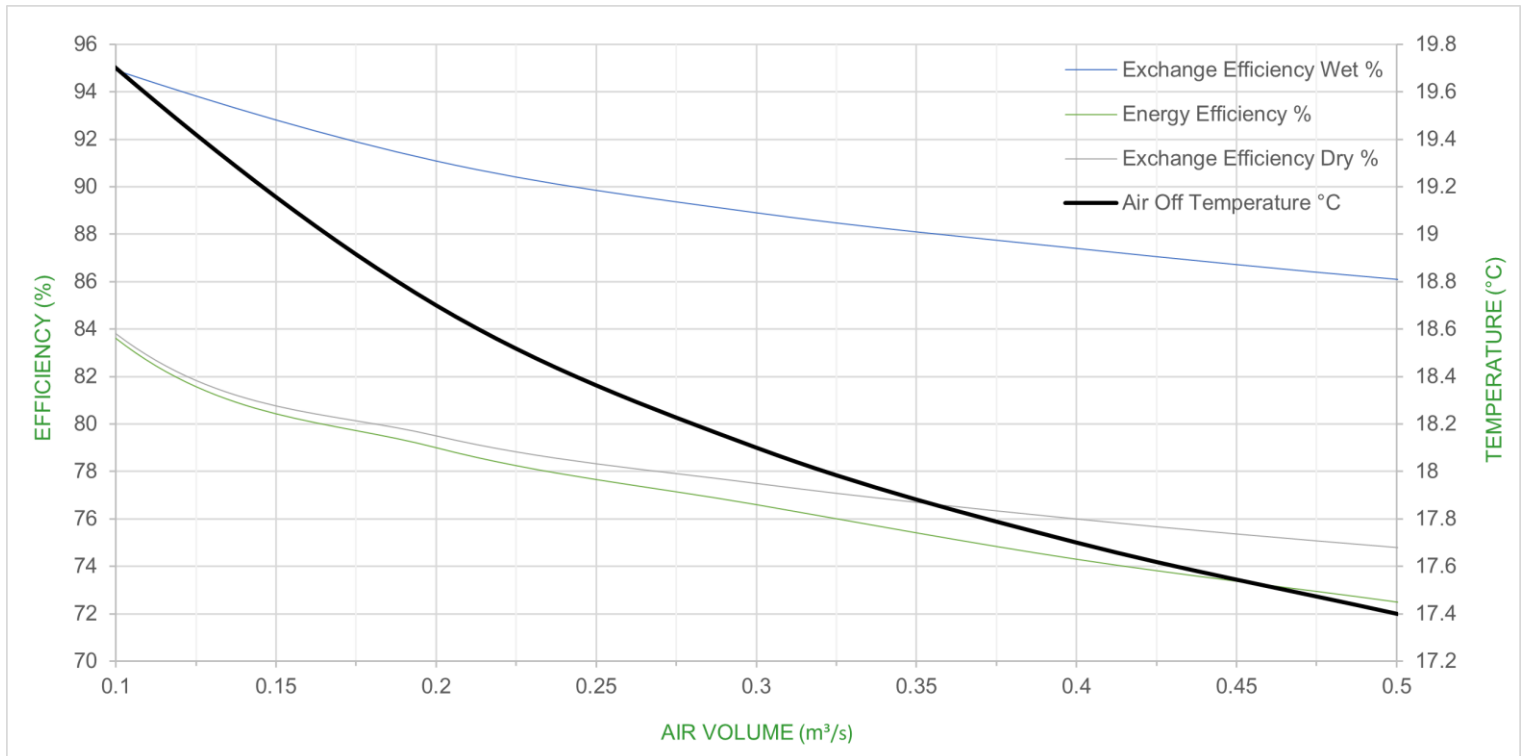
## ELECTRIC HEATER (THYRISTOR CONTROL)

Heater Model	Output (kW)	Power Supply	Nom. Current (A)	Outlet Spigot	Dimensions W x H x L
EHT4/3.5	3.5	230V/1PH/50Hz	15.2	Ø 315mm	585 x 400 x 490mm

### SPEED CURVES

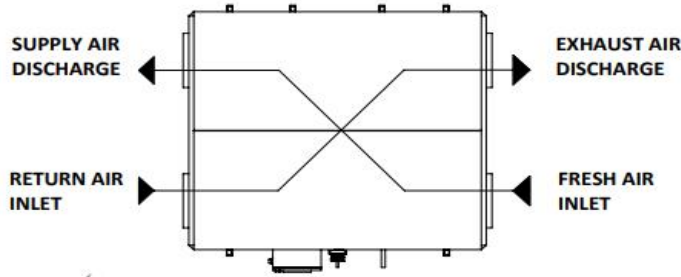


### EFFICIENCY CURVES





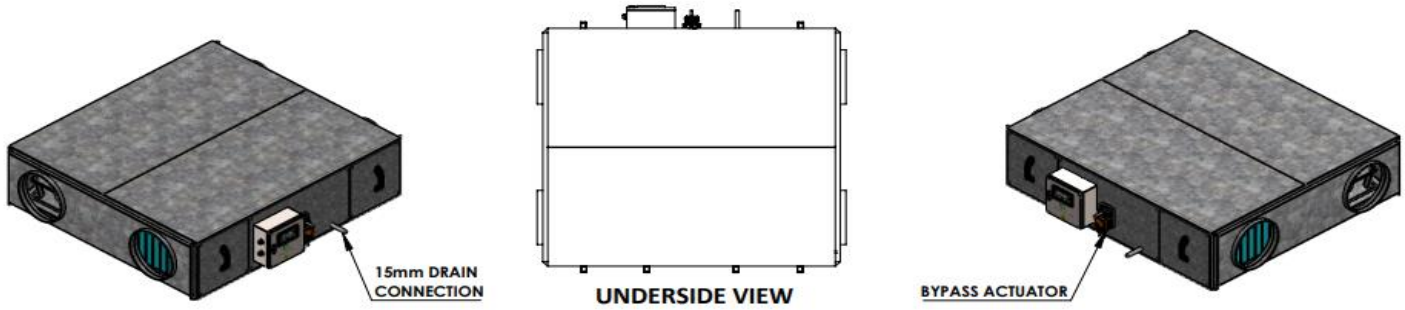
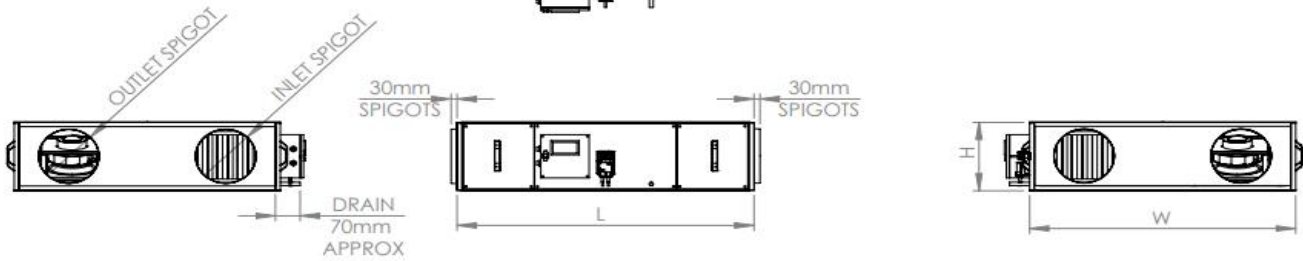
## PLAN VIEW



SIDE ACCESS SHOWN, TOP/ BOTTOM ACCESS AVAILABLE

LEFT HANDING SHOWN, RIGHT HANDING ALSO AVAILABLE

MOUNTING OPTIONS AVAILABLE:  
CHANNEL BASE  
MOUNTING BRACKETS



## DIMENSIONS

Width	Height	Length	Inlet Spigot	Outlet Spigot	Weight
1635mm	480mm	1950mm	Ø 400mm	Ø 400mm	305 Kg

## ELECTRICAL DATA

Motor Type	Class / IP Rating	Impeller	Motor Power	FLC	Power Supply
EC	B / IP54	Backward curved	560W ea	2.80 ea	230V AC, 1~ 50Hz

## ACOUSTIC DATA

Duty Curve		Sum	63Hz	125Hz	250Hz	500Hz	1kHz	2kHz	4kHz	8kHz
100%	Inlet	68	59	59	60	61	61	59	57	51
	Outlet	72	58	61	63	64	67	66	62	57
90%	Inlet	66	58	58	57	59	59	57	54	47
	Outlet	71	58	61	60	62	65	64	59	53
80%	Inlet	66	61	59	55	57	57	55	52	45
	Outlet	69	60	60	57	60	64	63	57	51
70%	Inlet	69	67	62	55	56	57	51	46	39
	Outlet	70	67	63	58	58	63	60	52	45
60%	Inlet	77	75	69	62	61	59	53	47	39
	Outlet	77	74	69	65	64	65	61	52	45

\*Acoustic data given for fans running at an external pressure of 150Pa at each speed interval

## HOT WATER HEATER

Heater Model	Nominal Output (kW)	Outlet Spigot	Dimensions W x H x L
HW5/1R	6.5	Ø 400mm	585 x 480 x 490mm

## CHILLED WATER COOLER

Cooler Model	Nominal Output (kW)	Outlet Spigot	Dimensions W x H x L
CW5/2R	3.0	Ø 400mm	585 x 480 x 490mm



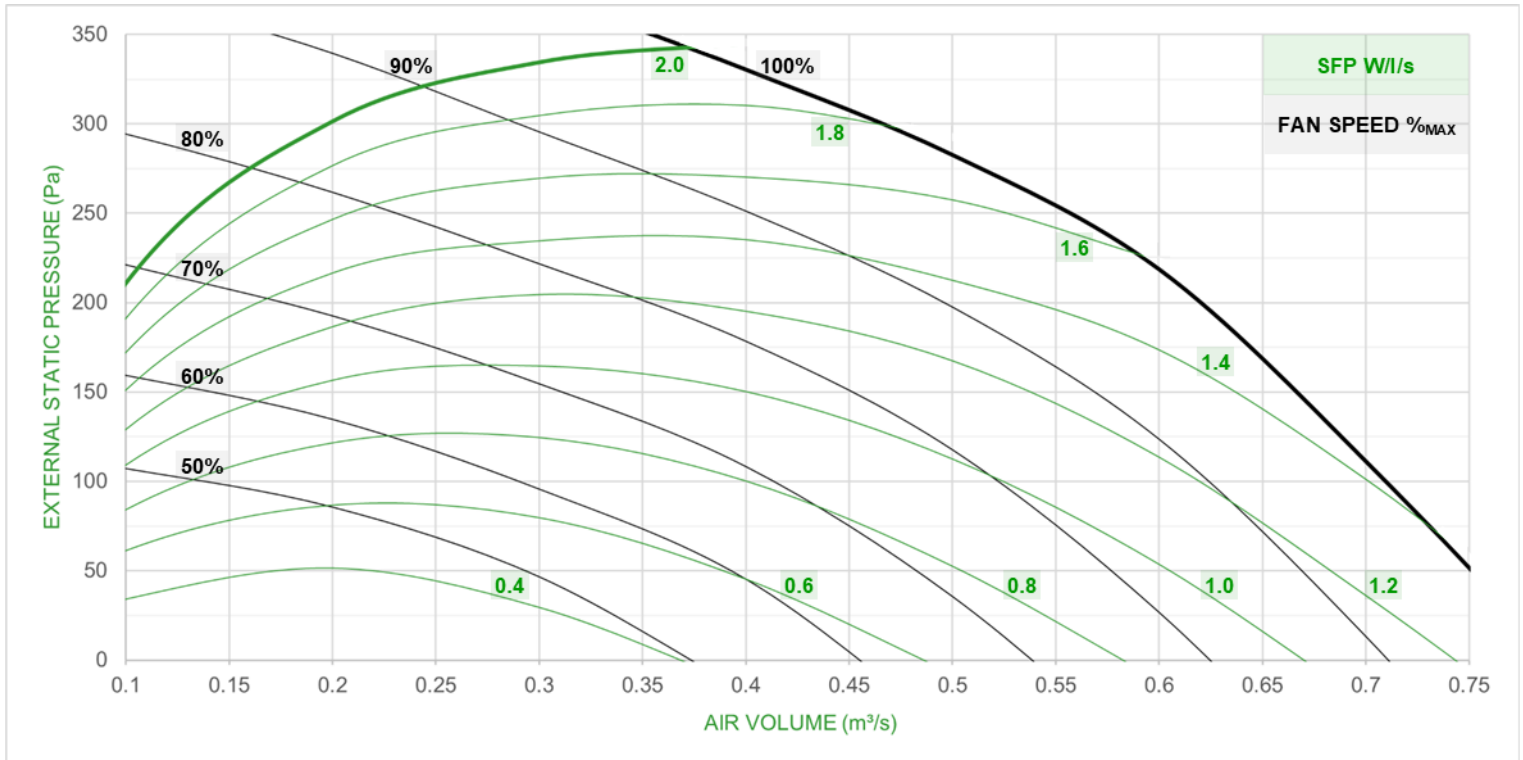
## ELECTRIC FROST HEATER (ON/OFF)

Heater Model	Output (kW)	Power Supply	Nom. Current (A)	Inlet Spigot	Dimensions W x H x L
EHB5/5.0	5.0	230V/1PH/50Hz	21.7	Ø 400mm	585 x 480 x 490mm

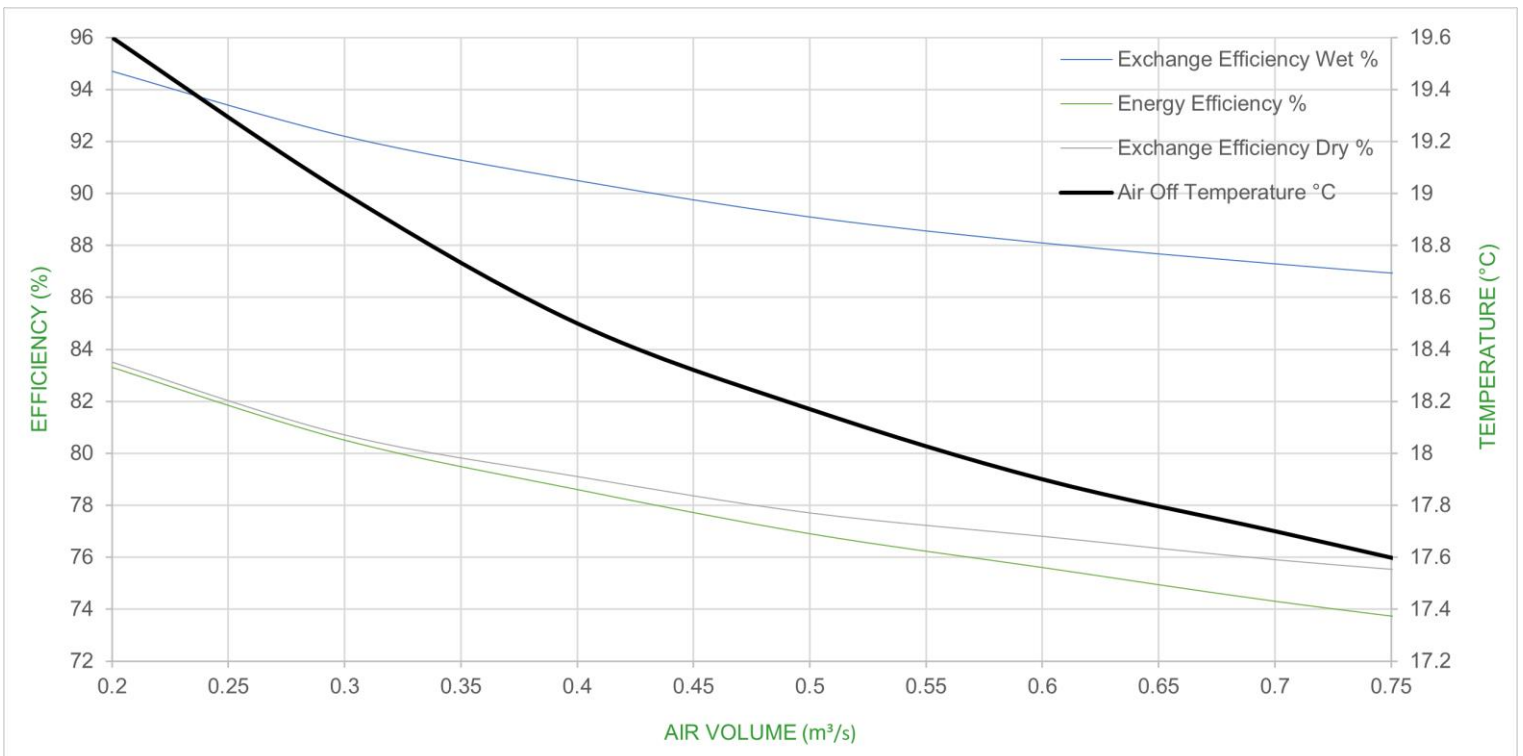
## ELECTRIC HEATER (THYRISTOR CONTROL)

Heater Model	Output (kW)	Power Supply	Nom. Current (A)	Outlet Spigot	Dimensions W x H x L
EHT5/6.0	6.0	230V/1PH/50Hz	26.0	Ø 400mm	585 x 480 x 490mm

### SPEED CURVES

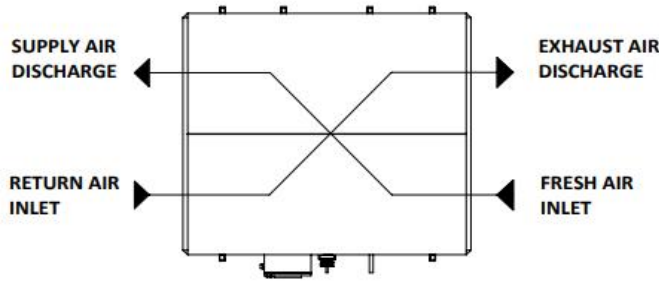


### EFFICIENCY CURVES





## PLAN VIEW

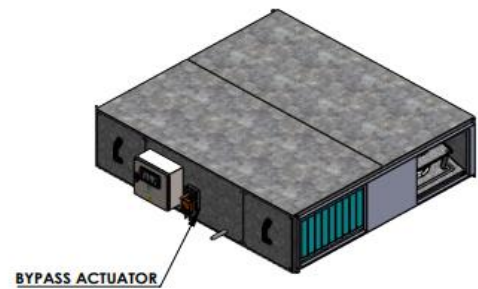
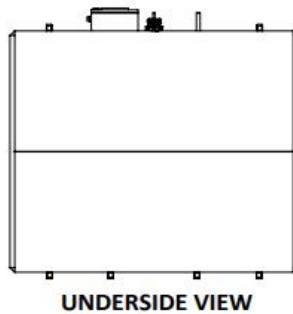
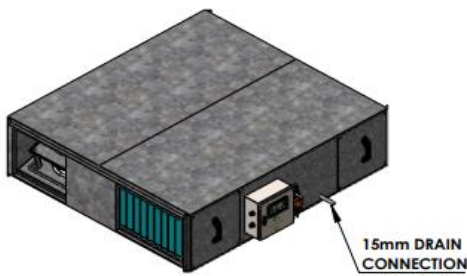
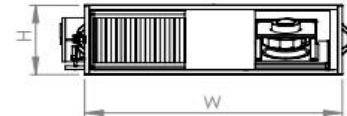
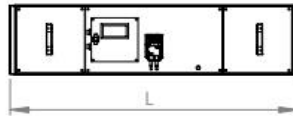
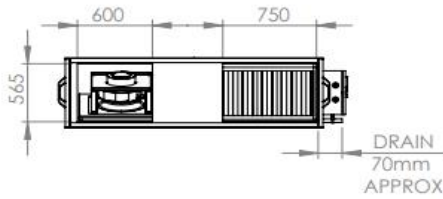


SIDE ACCESS SHOWN, TOP/  
BOTTOM ACCESS NOT  
AVAILABLE

LEFT HANDING SHOWN, RIGHT  
HANDING ALSO AVAILABLE

MOUNTING OPTIONS  
AVAILABLE:  
CHANNEL BASE

CAN BE SUPPLIED WITH  
SPIGOTS OR MEZ FLANGE



## DIMENSIONS

Width	Height	Length	Inlet Spigot	Outlet Spigot	Weight
1665mm	715mm	2155mm	750x565mm	600x565mm	400 Kg

## ELECTRICAL DATA

Motor Type	Class / IP Rating	Impeller	Motor Power	FLC	Power Supply
EC	B / IP54	Backward curved	1500W ea	2.40 ea	400V AC, 3~ 50Hz

## ACOUSTIC DATA

Duty Curve		Sum	63Hz	125Hz	250Hz	500Hz	1kHz	2kHz	4kHz	8kHz
100%	Inlet	77	70	65	72	69	67	66	65	62
	Outlet	81	70	69	74	72	74	73	70	66
90%	Inlet	75	68	65	70	68	66	65	63	60
	Outlet	80	69	69	72	71	73	72	69	64
80%	Inlet	72	65	64	67	63	63	61	59	54
	Outlet	76	65	68	67	66	69	68	65	59
70%	Inlet	69	62	61	63	61	61	59	56	49
	Outlet	73	62	64	64	64	67	65	61	54
60%	Inlet	67	60	59	60	59	58	56	52	44
	Outlet	70	60	61	61	62	63	62	57	50

\*Acoustic data given for fans running at an external pressure of 150Pa at each speed interval

## HOT WATER HEATER

Heater Model	Nominal Output (kW)	Outlet Spigot	Dimensions W x H x L
HW6/1R	10.0	600x565mm	720 x 615 x 490mm

## CHILLED WATER COOLER

Cooler Model	Nominal Output (kW)	Outlet Spigot	Dimensions W x H x L
CW6/2R	4.5	600x565mm	720 x 615 x 490mm



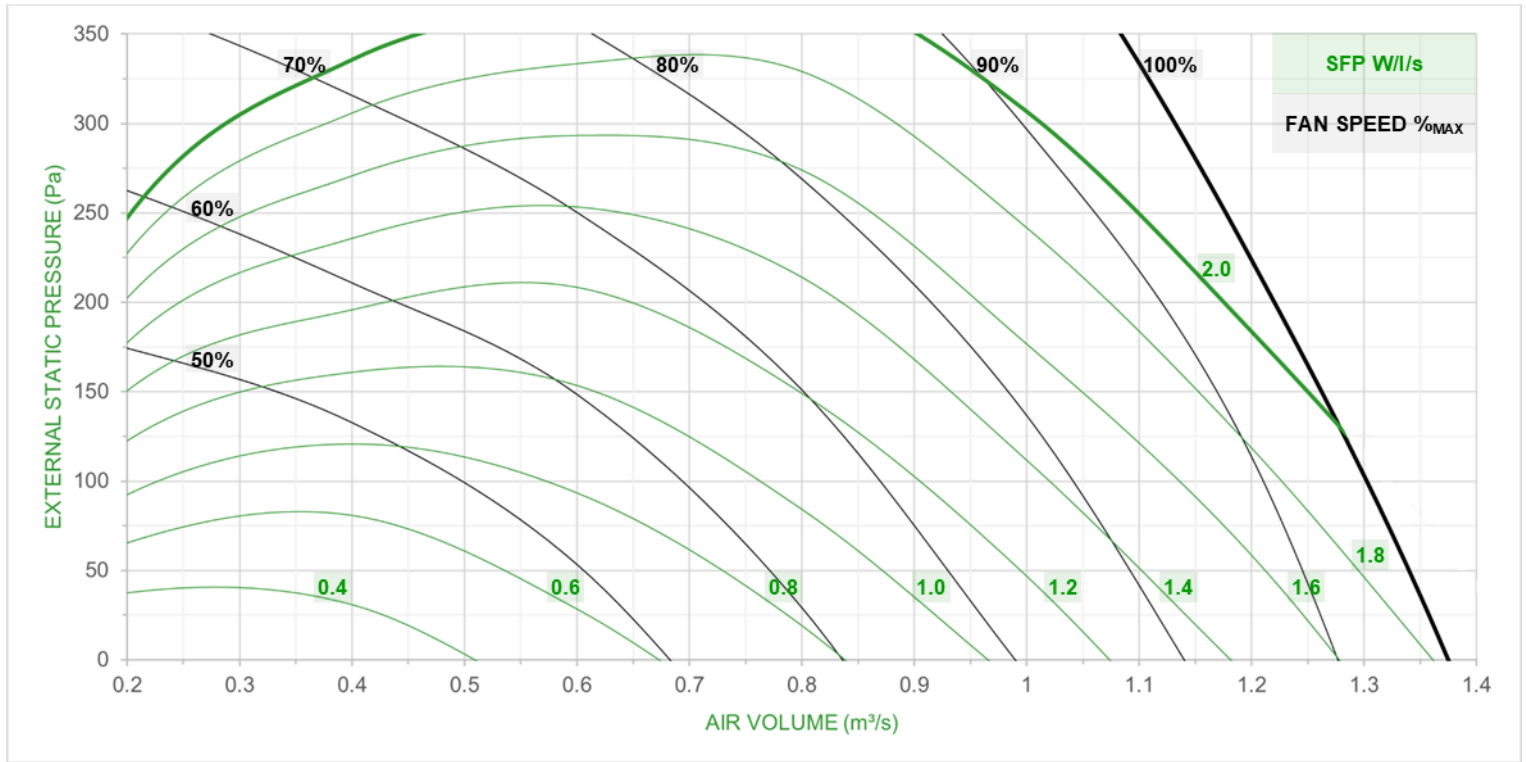
## ELECTRIC FROST HEATER (ON/OFF)

Heater Model	Output (kW)	Power Supply	Nom. Current (A)	Inlet Spigot	Dimensions W x H x L
EHB6/5.0	9.0	230V/1PH/50Hz	39.1	750x565mm	720 x 615 x 490mm

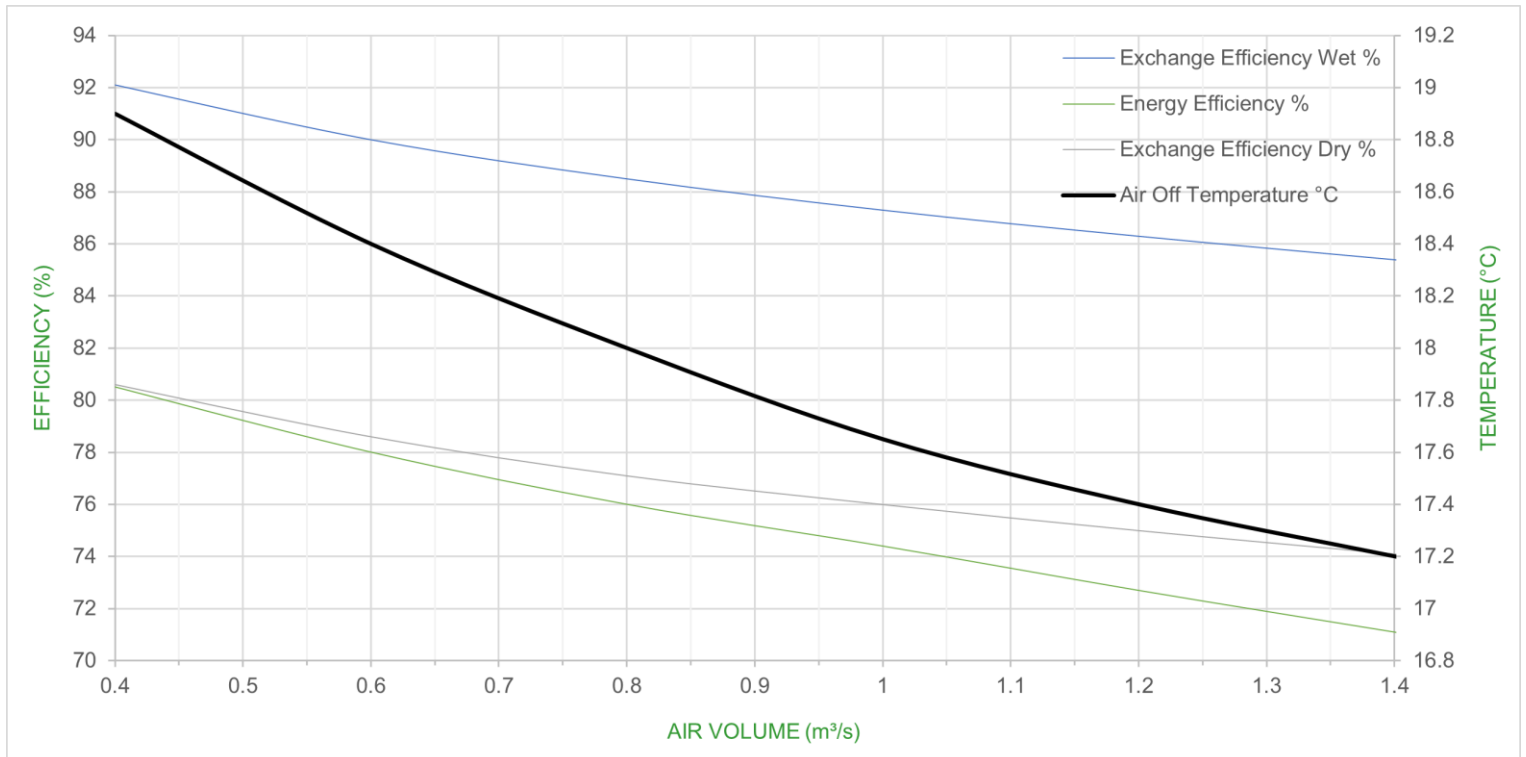
## ELECTRIC HEATER (THYRISTOR CONTROL)

Heater Model	Output (kW)	Power Supply	Nom. Current (A)	Outlet Spigot	Dimensions W x H x L
EHT6/6.0	9.0	230V/1PH/50Hz	39.1	600x565mm	720 x 615 x 490

### SPEED CURVES



### EFFICIENCY CURVES

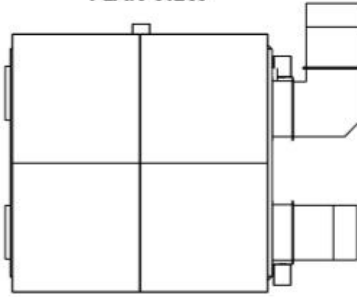




WEATHER-PROOFING OPTIONS -

- BASE FRAME
- PITCHED ROOF
- SHUT OFF DAMPERS
- INLET/DISCHARGE COWLS
- POLYESTER POWDER COAT PAINT

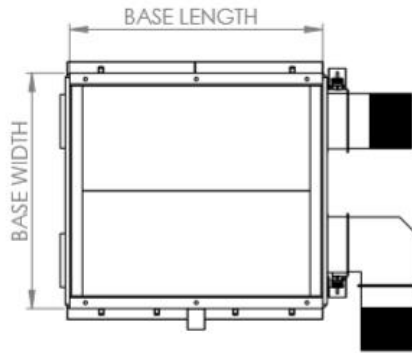
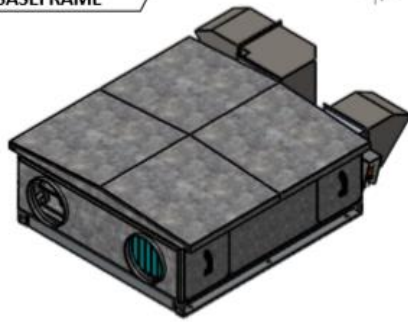
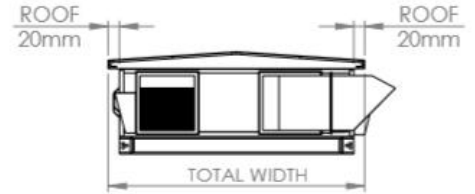
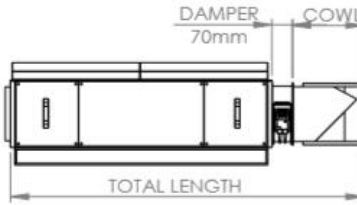
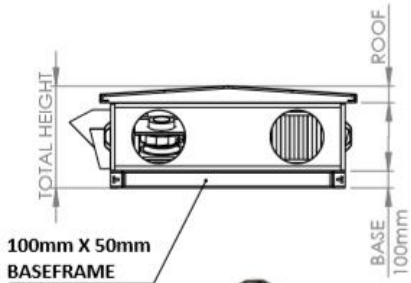
PLAN VIEW



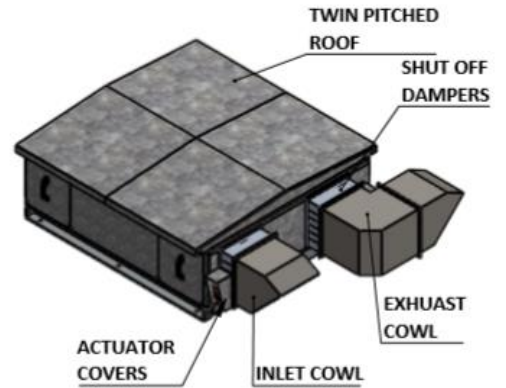
SIDE ACCESS SHOWN,  
TOP/ BOTTOM ACCESS  
NOT AVAILABLE

LEFT HANDING SHOWN,  
RIGHT HANDING ALSO  
AVAILABLE

MOUNTING OPTIONS  
AVAILABLE:  
CHANNEL BASE



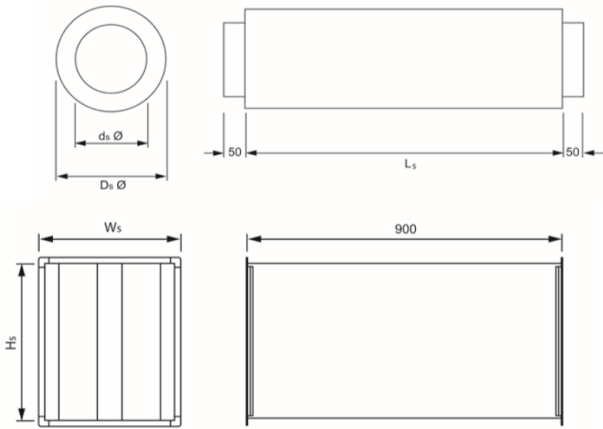
UNDERSIDE VIEW



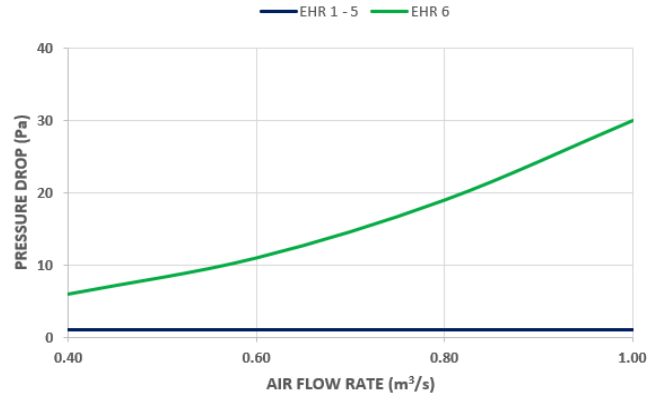
UNIT	Unit Length	Unit Width	Unit Height	Cowl Length	Roof Height	Base Length	Base Width	Total Length	Total Width	Total Height	Weight Kg (approx.)
SIZE 1	1225	750	306	250	85	1175	750	1545	790	491	100
SIZE 2	1407	795	358	300	115	1357	795	1777	835	573	155
SIZE 3	1537	1375	393	365	120	1487	1375	1972	1415	613	310
SIZE 4	1537	1375	393	365	120	1487	1375	1972	1415	613	310
SIZE 5	1942	1630	478	450	125	1892	1630	2462	1670	703	400
SIZE 6	2155	1665	715	500	130	2105	1665	2725	1705	945	580







ATTENUATOR PRESSURE DROPS



Silencer Model	AHU Model	Connection Size	Outer Ø Ds	Length Ls	Weight Kg
ATT1-9	EHR - 1	ds Ø 200	Ø 30	900	10.5
ATT2-9	EHR - 2	ds Ø 250	Ø 35	900	4
ATT3-9	EHR - 3	ds Ø 315	Ø 41	900	16
ATT4-9	EHR - 4	ds Ø 315	Ø 41	900	16
ATT5-9	EHR - 5	ds Ø 400	Ø 50	900	20
ATT6 Inlet-9	EHR - 6 Inlet	750Ws x 558Hs	N/A	900	50
ATT6 Outlet-9	EHR - 6 Outlet	580Ws x 558Hs	N/A	900	41

All silencers are matched to MVHR connection sizes. Circular silencers have minimal pressure drop due to being straight through type. MVHR-6 uses rectangular silencers and therefore has a pressure profile as below curve

MODEL	INSERTION LOSSES (dB)							DETAILS	
	125 Hz	250 Hz	500 Hz	1 kHz	2 kHz	4 kHz	8 kHz	OUTER Ø	WEIGHT
EHR 1 - 200Ø 615long	3	7	14	29	21	16	15	310	8
EHR 1 - 200Ø 915long	4	10	20	38	27	19	18		12
EHR 1 - 200Ø 1215long	4	12	25	47	33	22	21		15
EHR 2 - 250Ø 615long	2	5	12	27	17	13	13	360	10
EHR 2 - 250Ø 915long	3	7	17	36	21	15	15		14
EHR 2 - 250Ø 1215long	4	9	23	45	26	18	17		18
EHR 3 - 315Ø 615long	2	4	11	22	13	11	10	425	12
EHR 3 - 315Ø 915long	2	6	15	30	16	13	12		17
EHR 3 - 315Ø 1215long	3	8	19	38	18	15	14		21
EHR 4 - 315Ø 615long	2	4	11	22	13	11	10	425	12
EHR 4 - 315Ø 915long	2	6	15	30	16	13	12		17
EHR 4 - 315Ø 1215long	3	8	19	38	18	15	14		21
EHR 5 - 400Ø 615long	2	4	9	15	7	7	6	510	14
EHR 5 - 400Ø 915long	2	5	12	19	9	8	7		20
EHR 5 - 400Ø 1215long	2	6	16	24	10	10	9		26
EHR 6 - 600x565 650long	7	14	22	17	13	10	7	N/A	32
EHR 6 - 750x565 650long	7	14	22	17	13	10	7		38
EHR 6 - 600x565 950long	10	18	29	23	16	12	8		43
EHR 6 - 750x565 950long	10	18	29	23	16	12	8		51
EHR 6 - 600x565 1250long	12	22	36	30	20	13	9		54
EHR 6 - 750x565 1250long	12	22	36	30	20	13	9		65



## Controls

To fully utilize the energy saving benefits of the EHR units EcoTech offer matched controls  
We can offer our controller loose to allow for remote mounting where best suited for you.  
We also offer a companion app, allowing full control of your unit from your smart phone.

### The E-Tech controller

The E-tech controller is fully expandable to suit your project requirements, with up to 2060 Digital I/O and 511 Analogue I/O ports

Our latest model, the E tech 6 has been specially designed to run air and heat recovery units to a high efficiency with the maximum feedback to allow for very accurate adjustments and feedback.

The current version of the controller facilitates the use of  
**BACnet and Modbus**  
Alarm outputs  
4 temperature probes  
Heating contactor  
DX hot and cold  
0-10V for above and or Servo Valve/ hot water valve/ thyristor  
Thermal wheel control  
PIR/remote & CO2



### Terminal box option

If a controller is not required, we can offer a terminal box option.

IP67 rated terminal box with internally mounted din rail, all connections wired, and a wiring diagram supplied to allow for easy installation.

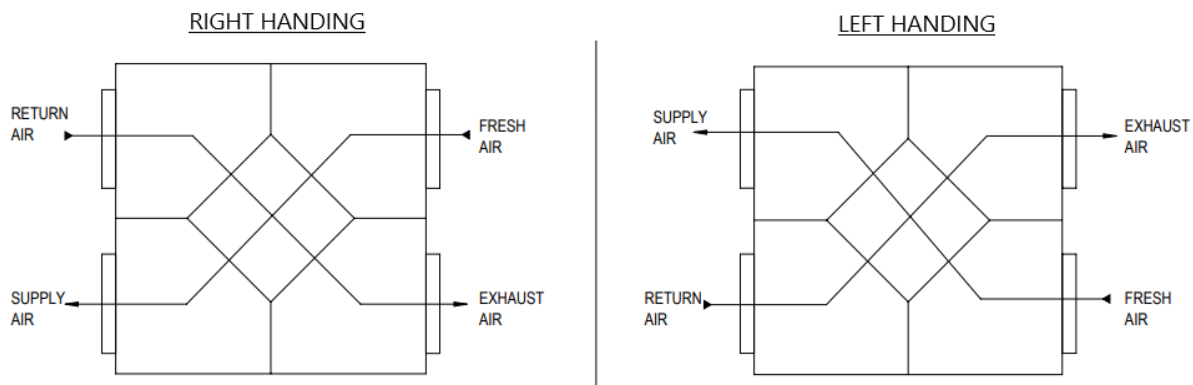
## HOW TO CODE YOUR UNIT

To make it easy for us to understand your requirements we have created a coding system, when ordering or requesting a quote please create your code to streamline the process, if you don't know your requirements our sales team will be happy to help.

**EHR 1 / E / SR / SOD / FC / WH / X**

EHR MODEL	LOCATION	HANDING	SHUT OFF DAMPERS	CONTROLLERS	COOLING AND HEATING	SPECIAL REQUIREMENTS
EHR 1	E- EXTERNAL WEATHERPROOFING ALL OPTIONS	SR – SIDE ACCESS RIGHT HANDING	SOD – SHUT OFF DAMPERS	FC – FITTED CONTROLS	WH – LOW PRESSURE HOT WATER	S – SPECIAL CONSTRUCTION
EHR 2	ENP – EXTERNAL WEATHERPROOFING NO PAINT	SL – SIDE ACCESS LEFT HANDING	SOF – SHUT OFF FRESH AIR DAMPER	LC – LOOSE CONTROLS	DX – DX COOLING COIL	AI – ACOUSTIC INFILL
EHR 3	I – INTERNALLY LOCATED	TR – TOP ACCESS RIGHT HANDING	SOE – SHUT OFF EXHAUST DAMPER	X – NO CONTROLLER	CW – CHILLED WATER	X -STANDARD
EHR 4		TL – TOP ACCESS LEFT HANDING	X – NO SHUT OFF DAMPERS		EH – ELECTRIC HEATER BATTERY	
EHR 5		BR – BOTTOM ACCESS RIGHT HANDING			X – NO HEATER	
EHR 6		BL – BOTTOM ACCESS LEFT HANDING				

## HANDING OPTIONS



When selecting a unit, it is important to select a handing this will fit around the layout out of your ducting,

This must be chosen before your unit can go into production

## About us

At Ecotech Ventilation we pride ourselves on our range of expertly designed, high quality, highly efficient heat recovery units, brought to you at an economically competitive price.

We believe that great business relationships produce great products. We work closely with you, our customer, to ensure we manufacture the best quality products available.

This close relationship allows Ecotech to adapt as the industry evolves and allows for quick and seamless production.

**We never settle for second best and always have your satisfaction as our top priority.**

## Who we are?

We are a business started by a group of individuals with experience working with and manufacturing small to large scale HVAC units. With 30 years of experience, there is not much our team have not dealt with, and we pride ourselves on finding the correct solution for your needs.

## Our strategy

Every customer is unique. That's why we customize every project to fit your requirements exactly. Whether it's a small project or a comprehensive effort, we will sit down with you, listen to your requests and prepare a tailored solution.

## Products and services

At Ecotech Ventilation we cover a wide range of HVAC products, please contact us to talk about our full range of products and aftercare solutions.



Website - [www.ecotechventilation.com](http://www.ecotechventilation.com)

Contact us on - [info@ecotechventilation.com](mailto:info@ecotechventilation.com)

Contact our sales team - [sales@ecotechventilation.com](mailto:sales@ecotechventilation.com)