



EcoTech Ventilation

ECO HEAT RECOVERY UNIT

SUPPLY RANGE – 0.05m³/s to 1.00m³/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 0.05m³/s up to 1.0m³/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 CO² 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.





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.

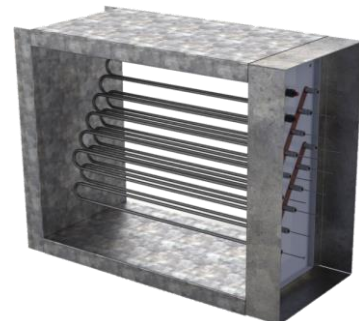
Filters and pressure switches are fitted on the supply and extract sides as standard. Filters are housed within slide channels for easy removal.



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.



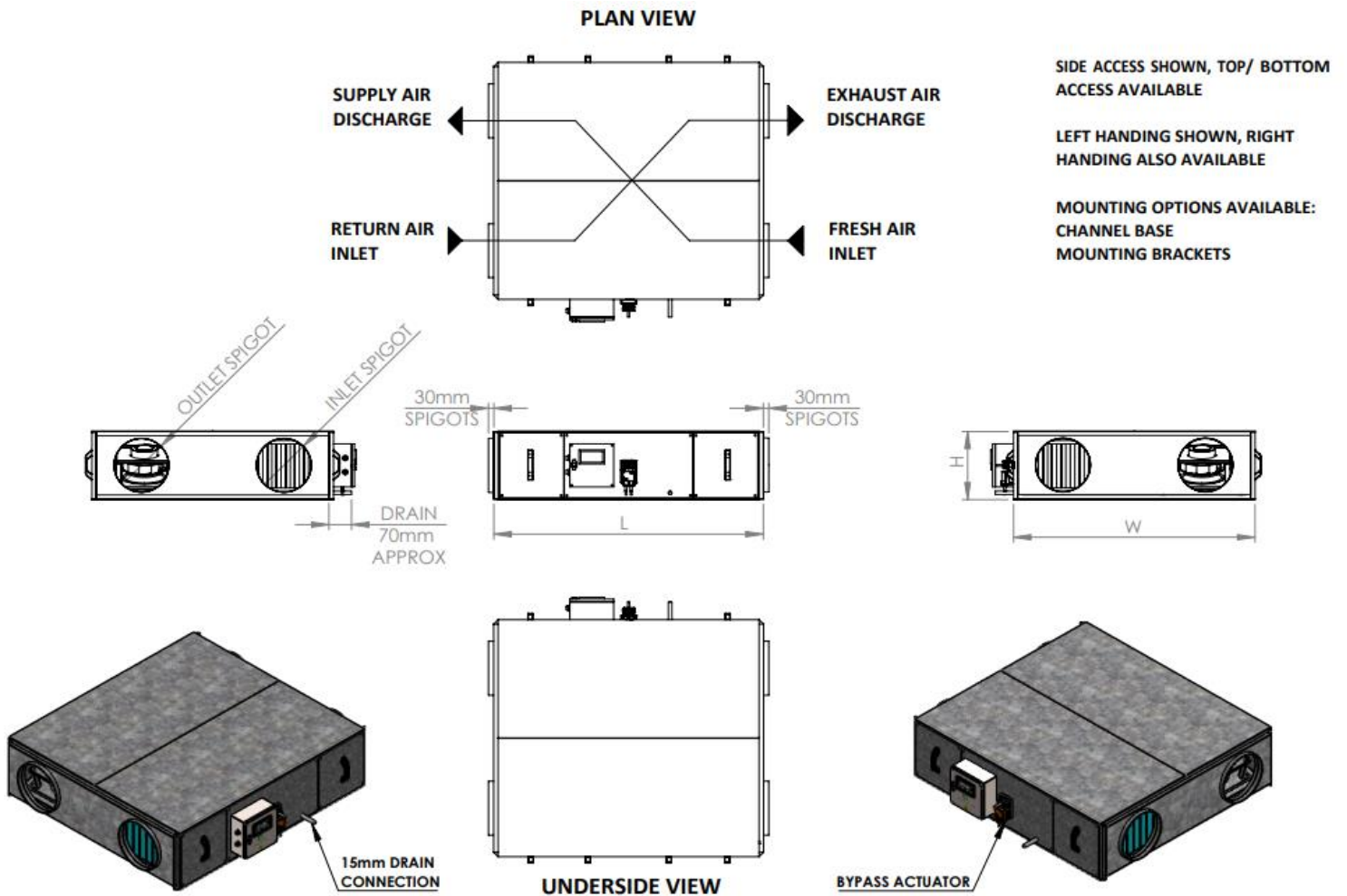
Heating Module Electric

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.



DIMENSIONS

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

ELECTRIC DATA

Motor Type	Class / IP Rating	Impeller	Input Power (W)	FLC (A)	Power Supply
EC	B / IP54	Backward curved	2 x 340	2 x 1.75	230V AC, 1~ 50Hz

DUTY CURVE		SOUND POWER LEVELS L _w							RADIATED L _p
		125 Hz	250 Hz	500 Hz	1 kHz	2 kHz	4 kHz	8 kHz	
100%	INLET	59	62	65	64	65	62	60	34
	OUTLET	60	63	67	69	71	67	63	
90%	INLET	59	61	63	63	64	60	58	32
	OUTLET	59	63	66	67	69	65	61	
80%	INLET	61	62	61	60	60	56	53	30
	OUTLET	61	63	63	65	65	61	56	
70%	INLET	63	63	60	58	57	53	49	29
	OUTLET	63	64	61	62	62	58	52	
60%	INLET	62	62	57	55	53	49	44	28
	OUTLET	62	63	59	59	59	54	47	

Sound power levels are calculated from the fan pressure level measured at a distance of 1m in accordance with DIN 45635 and ISO 3744/3745

Radiated Sound pressure level is quoted at a distance of 3m and assumes spherical propagation and free field conditions



ELECTRIC FROST HEATER (ON/OFF)

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

ELECTRIC HEATER (THYRISTOR CONTROL)

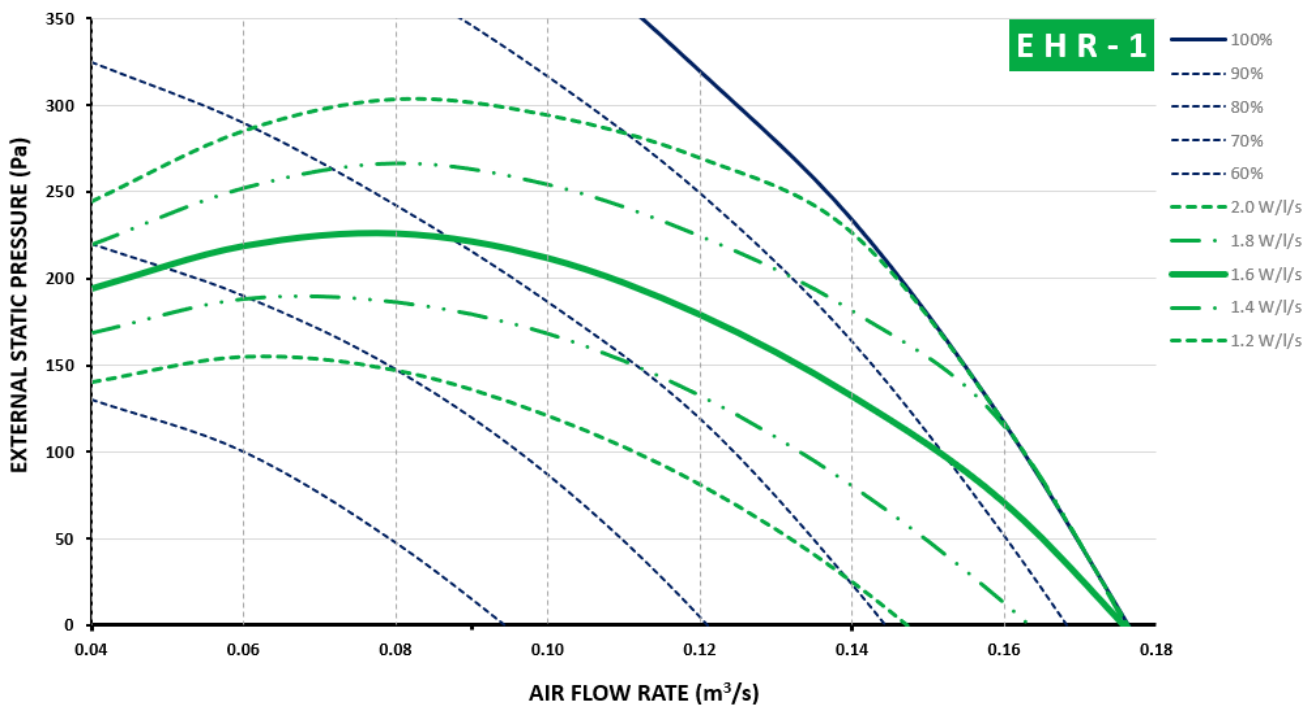
Heater Model	Output (kW)	Power Supply	Nom. Current (A)	Outlet Spigot	Dimensions W x H x L (mm)
EHT1/1.5	1.5	230V/1PH/50Hz	6.6	Ø 200mm	450 x 310 x 490

HOT WATER HEATER

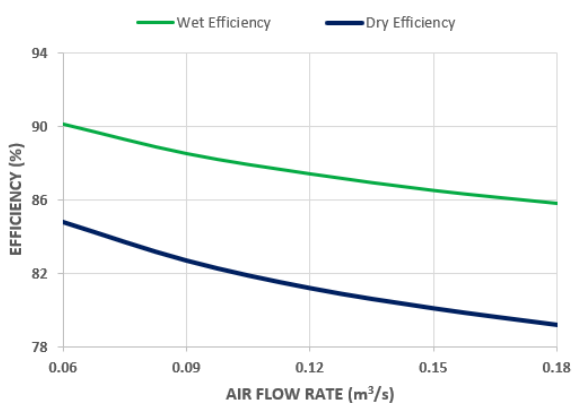
Heater Model	Nominal Output (kW)	Outlet Spigot	Dimensions W x H x L (mm)
HW1/1R	2.0	Ø 200mm	450 x 310 x 490

CHILLED WATER COOLER

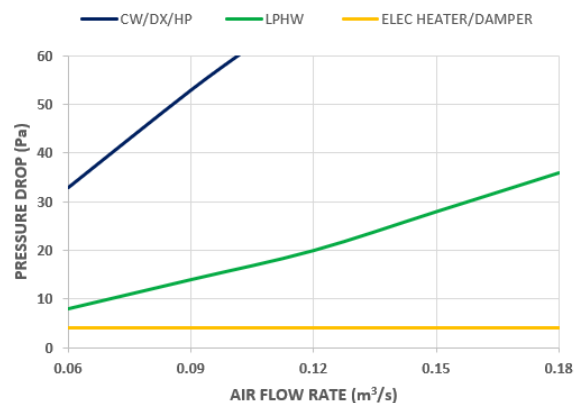
Cooler Model	Nominal Output (kW)	Outlet Spigot	Dimensions W x H x L (mm)
CW1/2R	1.0	Ø 200mm	450 x 310 x 490

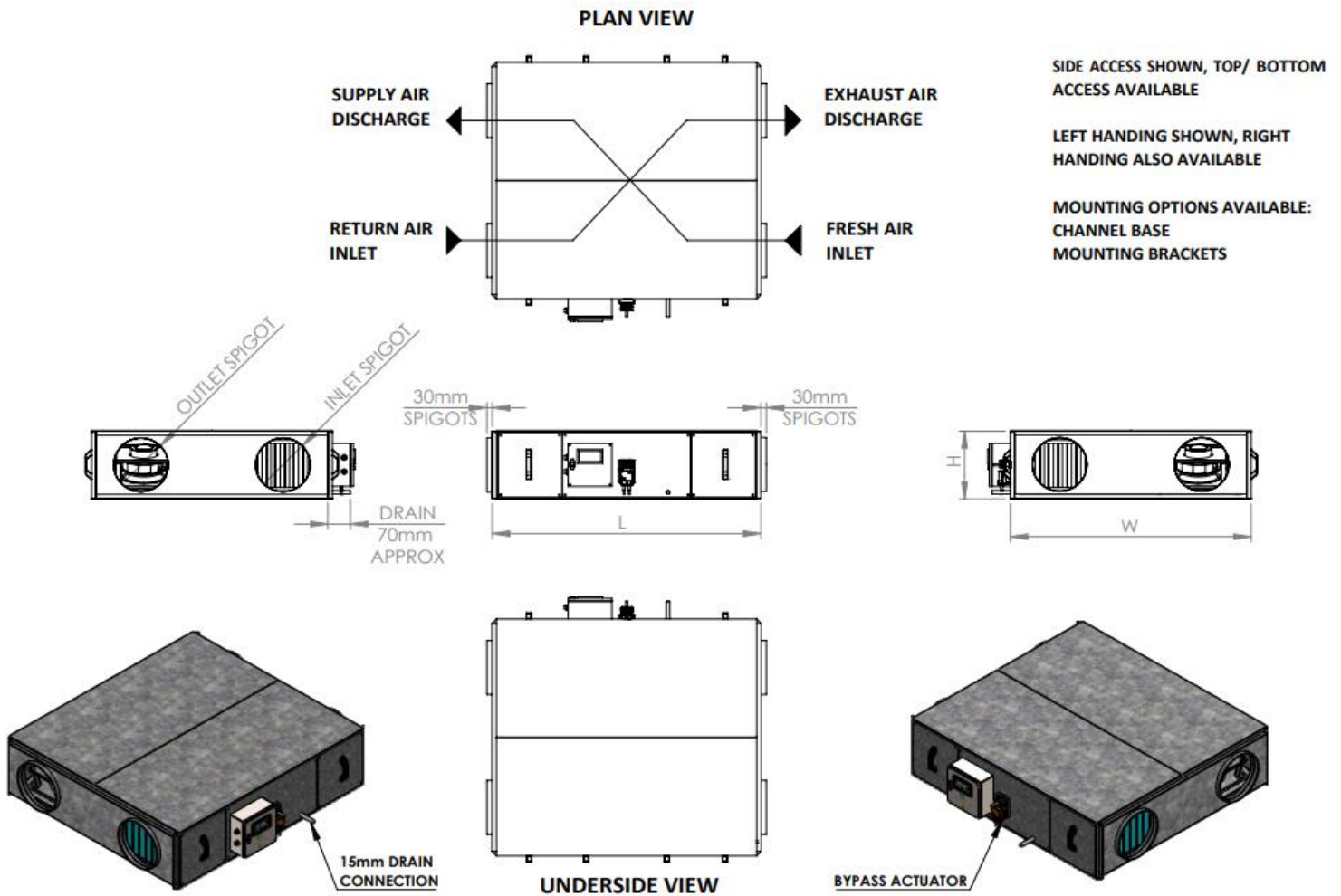


E H R - 1 TEMPERATURE EFFICIENCY



E H R - 1 BOLT ON PRESSURE DROPS





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

ELECTRIC DATA

Motor Type	Class / IP Rating	Impeller	Input Power (W)	FLC (A)	Power Supply
EC	B / IP54	Backward curved	2 x 340	2 x 1.65	230V AC, 1~ 50Hz

DUTY CURVE		SOUND POWER LEVELS L _w						RADIATED L _p	
		125 Hz	250 Hz	500 Hz	1 kHz	2 kHz	4 kHz	8 kHz	dB(A)
100%	INLET	62	65	61	61	61	60	56	34
	OUTLET	62	71	66	67	68	63	59	
90%	INLET	61	64	60	59	58	58	53	33
	OUTLET	62	70	64	65	66	60	57	
80%	INLET	63	64	59	57	55	54	49	32
	OUTLET	65	69	63	63	63	57	52	
70%	INLET	63	60	55	54	52	51	45	28
	OUTLET	64	65	59	60	60	54	48	
60%	INLET	61	57	51	50	49	47	40	25
	OUTLET	62	61	55	56	56	50	43	

Sound power levels are calculated from the fan pressure level measured at a distance of 1m in accordance with DIN 45635 and ISO 3744/3745

Radiated Sound pressure level is quoted at a distance of 3m and assumes spherical propagation and free field conditions



ELECTRIC FROST HEATER (ON/OFF)

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

ELECTRIC HEATER (THYRISTOR CONTROL)

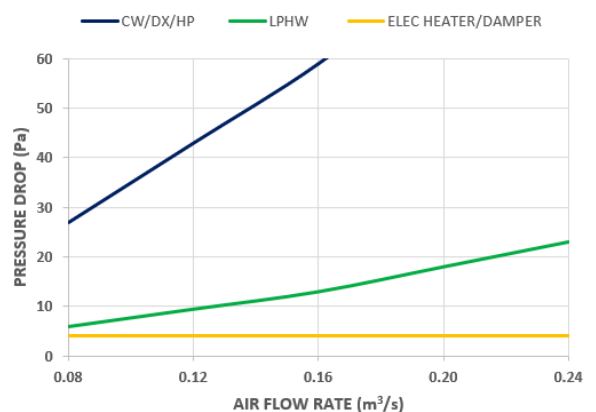
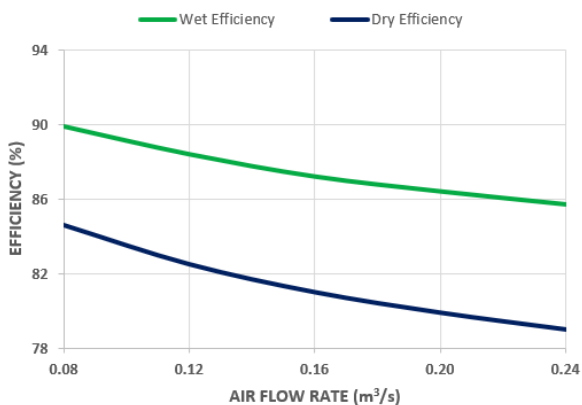
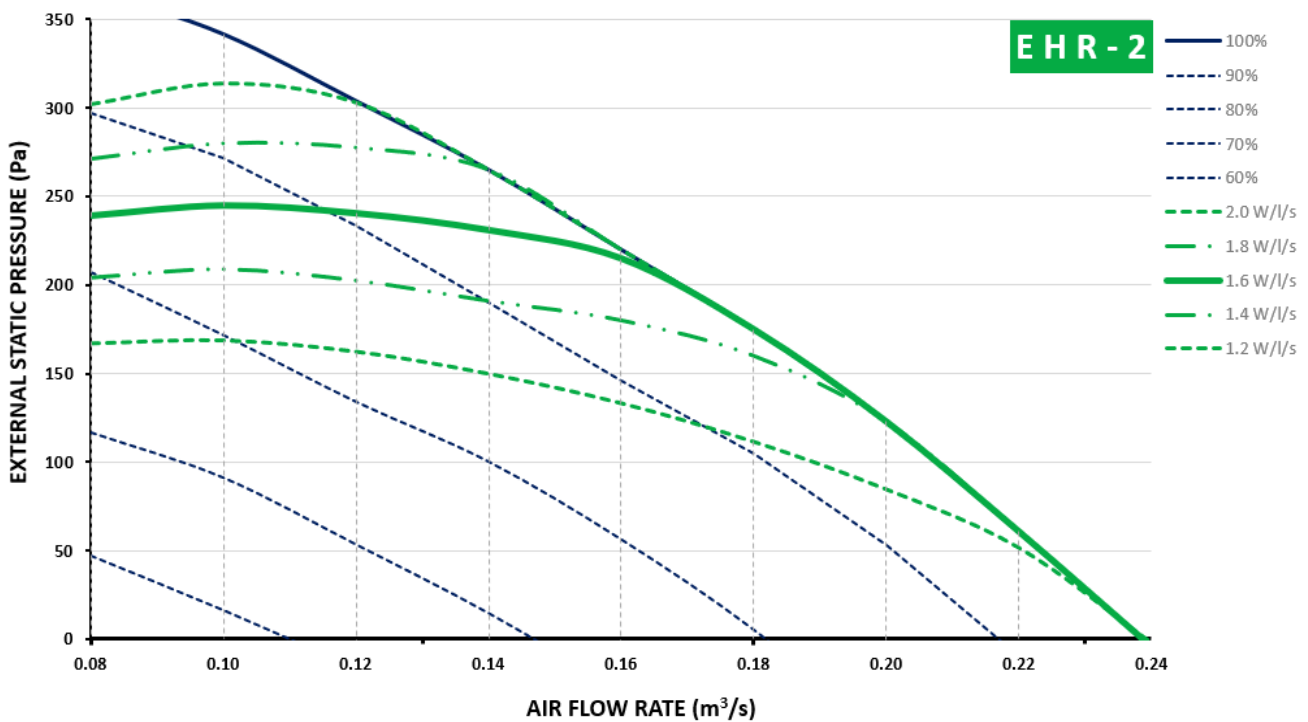
Heater Model	Output (kW)	Power Supply	Nom. Current (A)	Outlet Spigot	Dimensions W x H x L (mm)
EHT2/2.0	2.0	230V/1PH/50Hz	8.7	Ø 250mm	500 x 365 x 490

HOT WATER HEATER

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

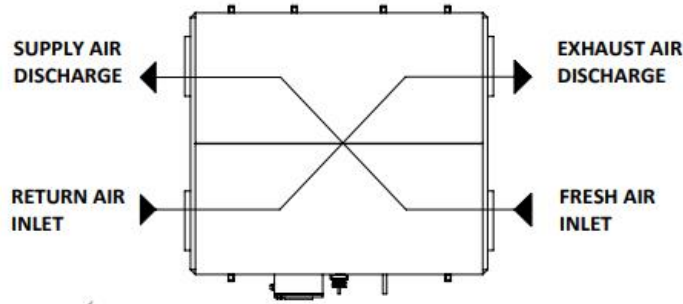
CHILLED WATER COOLER

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





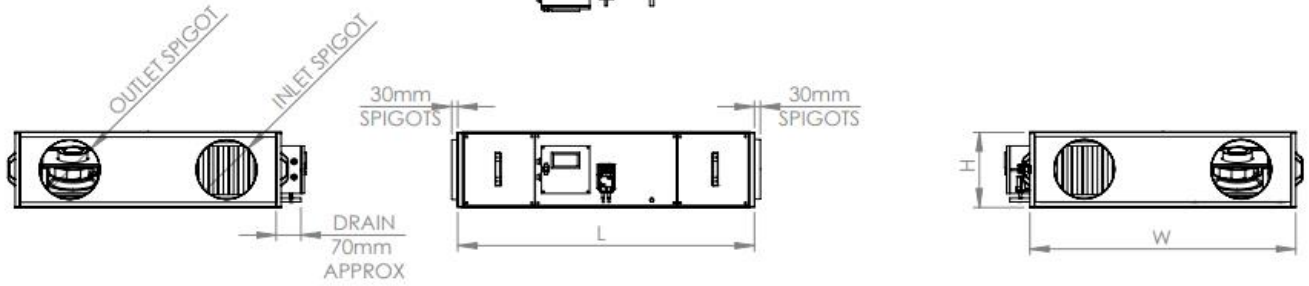
PLAN VIEW



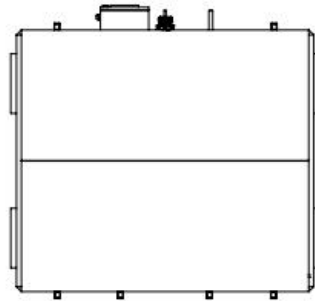
SIDE ACCESS SHOWN, TOP/ BOTTOM ACCESS AVAILABLE

LEFT HANDING SHOWN, RIGHT HANDING ALSO AVAILABLE

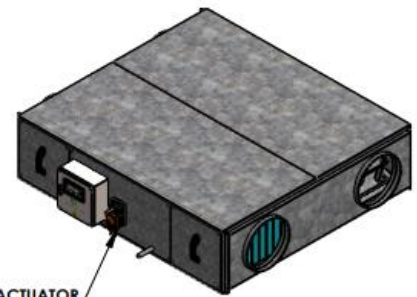
MOUNTING OPTIONS AVAILABLE:
CHANNEL BASE
MOUNTING BRACKETS



15mm DRAIN CONNECTION



UNDERSIDE VIEW



BYPASS ACTUATOR

DIMENSIONS

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

ELECTRIC DATA

Motor Type	Class / IP Rating	Impeller	Input Power (W)	FLC (A)	Power Supply
EC	B / IP54	Backward curved	2 x 340	2 x 1.75	230V AC, 1~ 50Hz

DUTY CURVE		SOUND POWER LEVELS Lw							RADIATED Lp dB(A)
		125 Hz	250 Hz	500 Hz	1 kHz	2 kHz	4 kHz	8 kHz	
100%	INLET	62	65	62	62	60	60	54	34
	OUTLET	63	71	66	67	67	62	56	
90%	INLET	63	65	61	60	58	57	51	33
	OUTLET	64	70	64	65	65	59	53	
80%	INLET	67	63	59	58	55	52	46	32
	OUTLET	67	69	63	63	63	55	48	
70%	INLET	65	59	56	54	52	48	41	28
	OUTLET	65	65	59	60	59	51	43	
60%	INLET	49	49	43	43	43	34	28	15
	OUTLET	50	49	45	49	47	37	29	

Sound power levels are calculated from the fan pressure level measured at a distance of 1m in accordance with DIN 45635 and ISO 3744/3745

Radiated Sound pressure level is quoted at a distance of 3m and assumes spherical propagation and free field conditions



ELECTRIC FROST HEATER (ON/OFF)

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

ELECTRIC HEATER (THYRISTOR CONTROL)

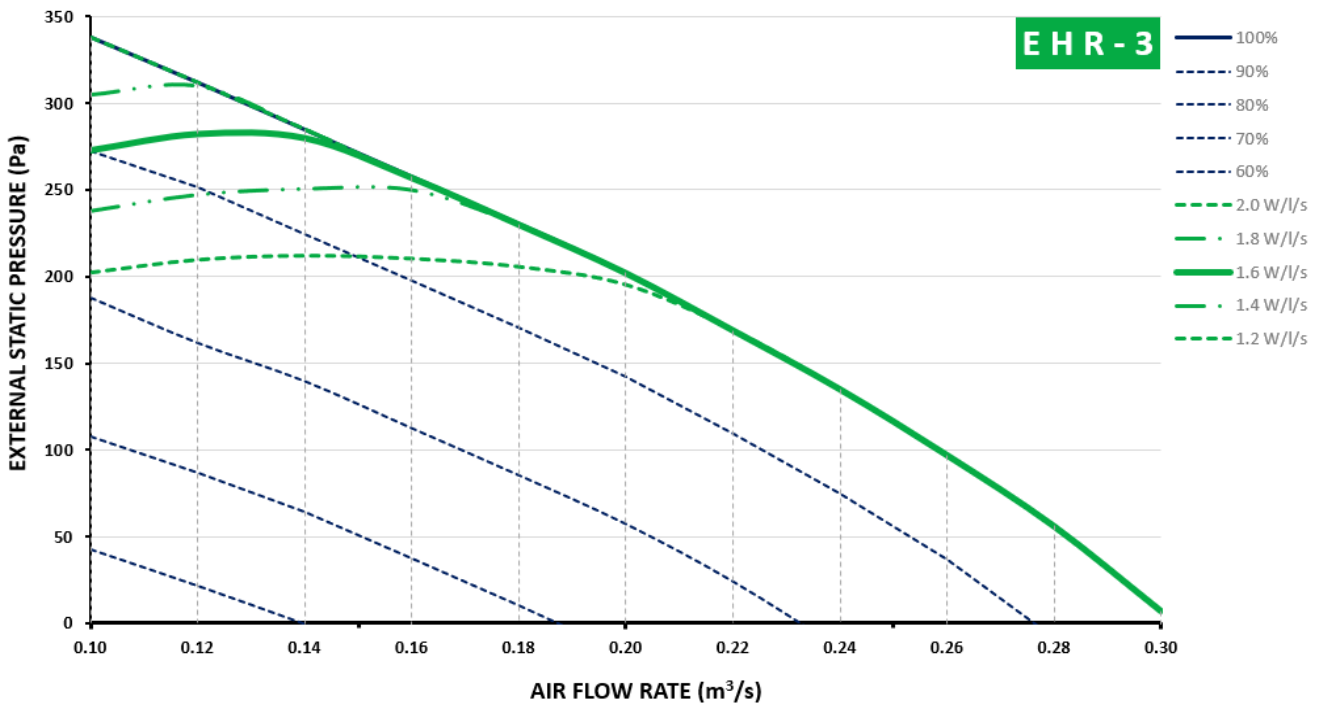
Heater Model	Output (kW)	Power Supply	Nom. Current (A)	Outlet Spigot	Dimensions W x H x L (mm)
EHT3/2.5	2.5	230V/1PH/50Hz	10.9	Ø 315mm	585 x 400 x 490

HOT WATER HEATER

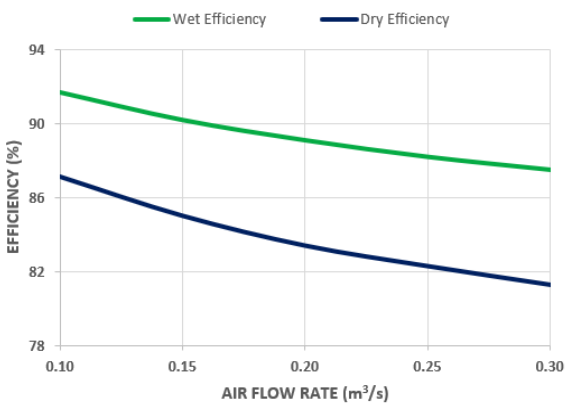
Heater Model	Nominal Output (kW)	Outlet Spigot	Dimensions W x H x L (mm)
HW3/1R	3.5	Ø 315mm	585 x 400 x 490

CHILLED WATER COOLER

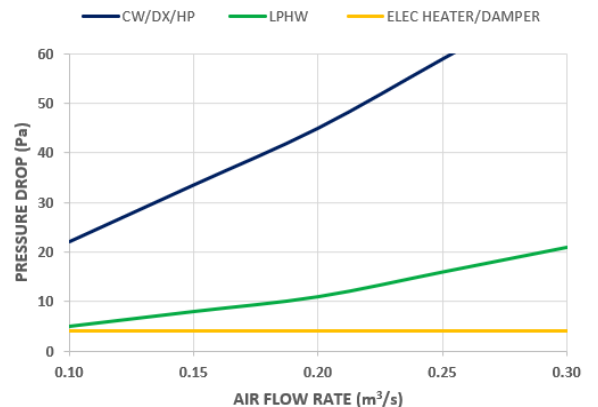
Cooler Model	Nominal Output (kW)	Outlet Spigot	Dimensions W x H x L (mm)
CW3/2R	2.0	Ø 315mm	585 x 400 x 490

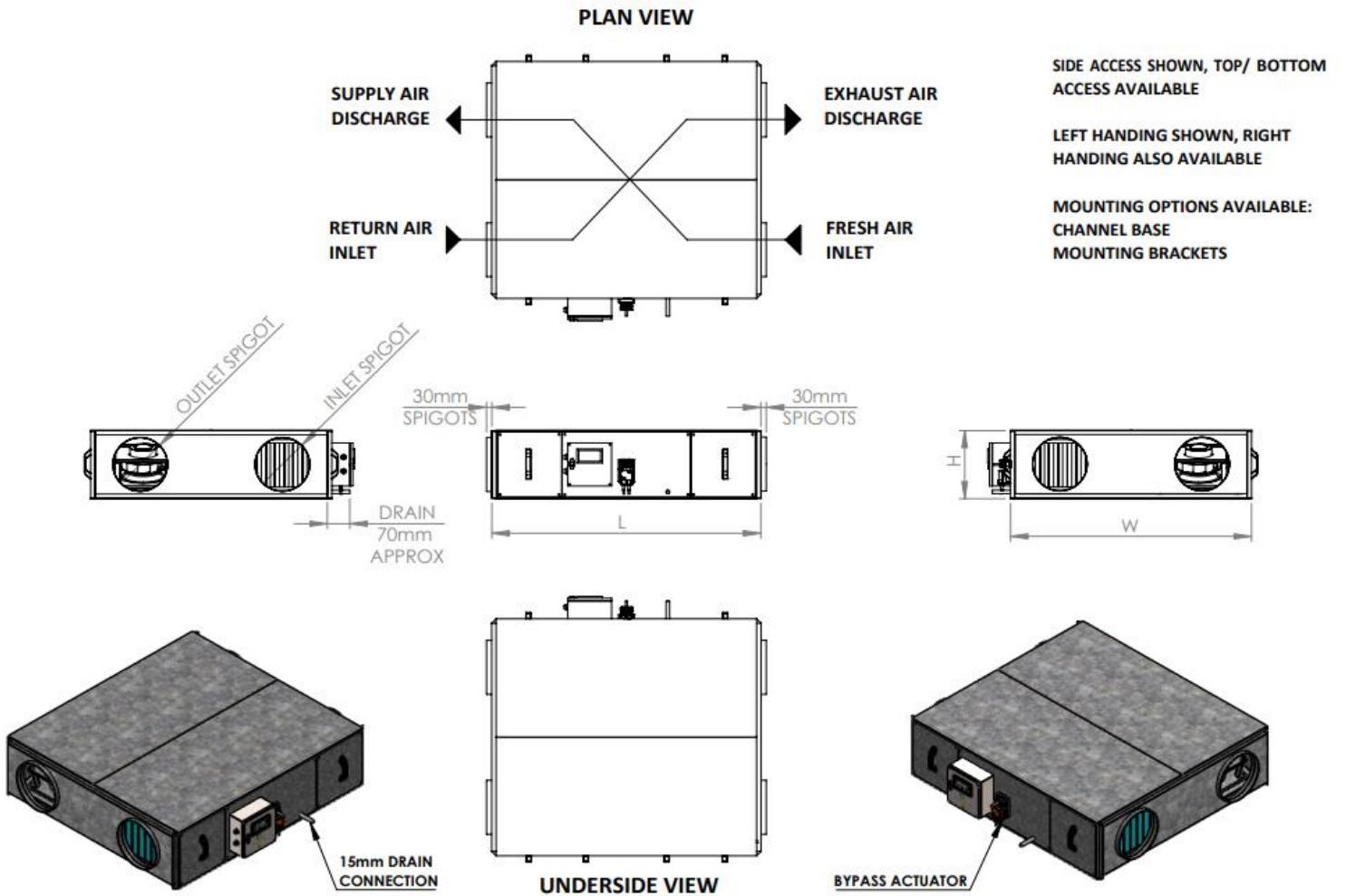


EHR-3 TEMPERATURE EFFICIENCY



EHR-3 BOLT ON PRESSURE DROPS





DIMENSIONS

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

ELECTRIC DATA

Motor Type	Class / IP Rating	Impeller	Input Power (W)	FLC (A)	Power Supply
EC	B / IP54	Backward curved	2 x 500	2 x 2.20	230V AC, 1~ 50Hz

DUTY CURVE		SOUND POWER LEVELS L _w							RADIATED L _p dB(A)
		125 Hz	250 Hz	500 Hz	1 kHz	2 kHz	4 kHz	8 kHz	
100%	INLET	70	71	74	74	73	69	67	43
	OUTLET	74	76	79	79	78	74	72	
90%	INLET	67	70	72	72	71	67	64	42
	OUTLET	72	75	77	77	76	72	69	
80%	INLET	65	68	68	68	66	63	59	38
	OUTLET	70	73	73	73	72	68	64	
70%	INLET	64	65	65	65	63	59	54	35
	OUTLET	69	70	70	70	68	64	59	
60%	INLET	65	63	61	61	59	54	48	33
	OUTLET	70	68	66	66	64	59	53	

Sound power levels are calculated from the fan pressure level measured at a distance of 1m in accordance with DIN 45635 and ISO 3744/3745

Radiated Sound pressure level is quoted at a distance of 3m and assumes spherical propagation and free field conditions



ELECTRIC FROST HEATER (ON/OFF)

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

ELECTRIC HEATER (THYRISTOR CONTROL)

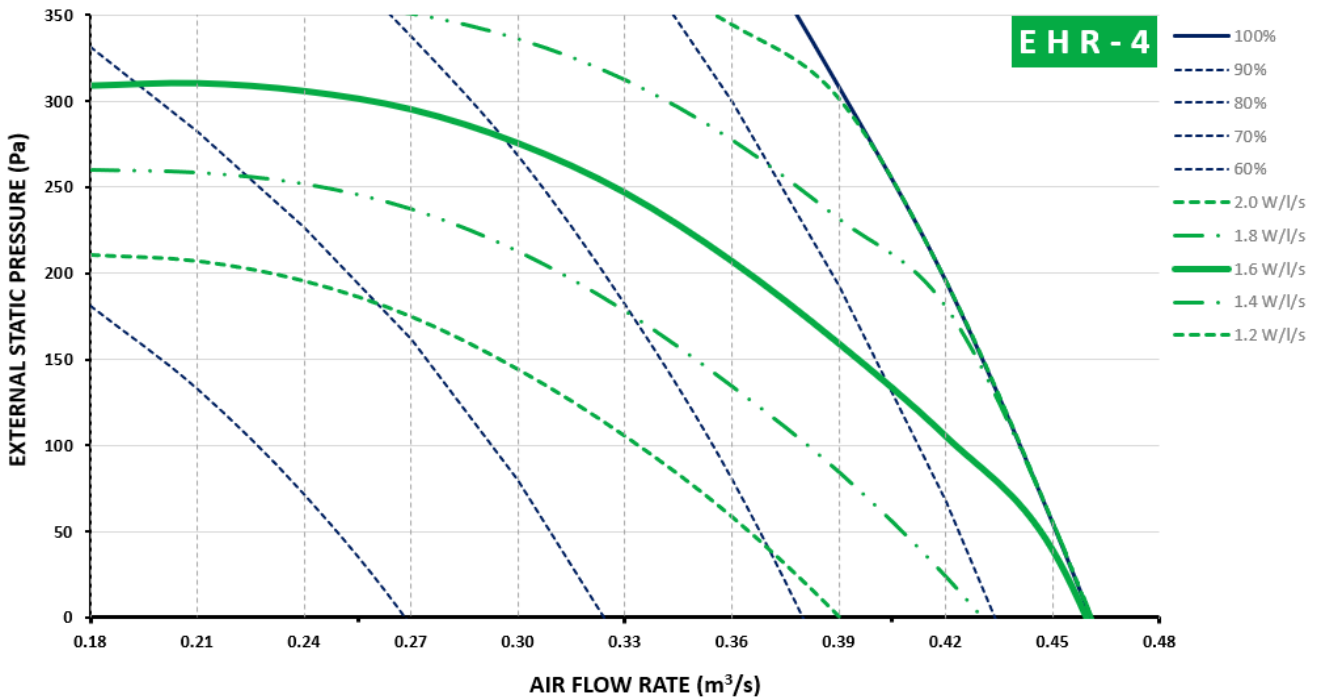
Heater Model	Output (kW)	Power Supply	Nom. Current (A)	Outlet Spigot	Dimensions W x H x L (mm)
EHT4/3.5	3.5	230V/1PH/50Hz	15.2	Ø 315mm	585 x 400 x 490

HOT WATER HEATER

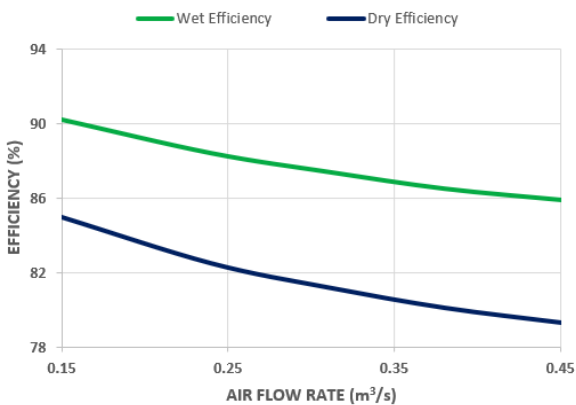
Heater Model	Nominal Output (kW)	Outlet Spigot	Dimensions W x H x L (mm)
HW4/1R	3.5	Ø 315mm	585 x 400 x 490

CHILLED WATER COOLER

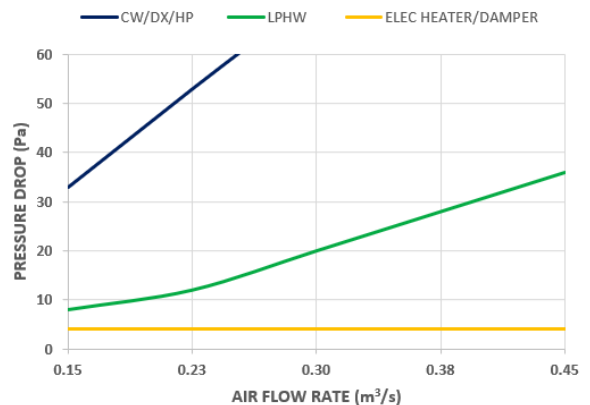
Cooler Model	Nominal Output (kW)	Outlet Spigot	Dimensions W x H x L (mm)
CW4/2R	2.0	Ø 315mm	585 x 400 x 490

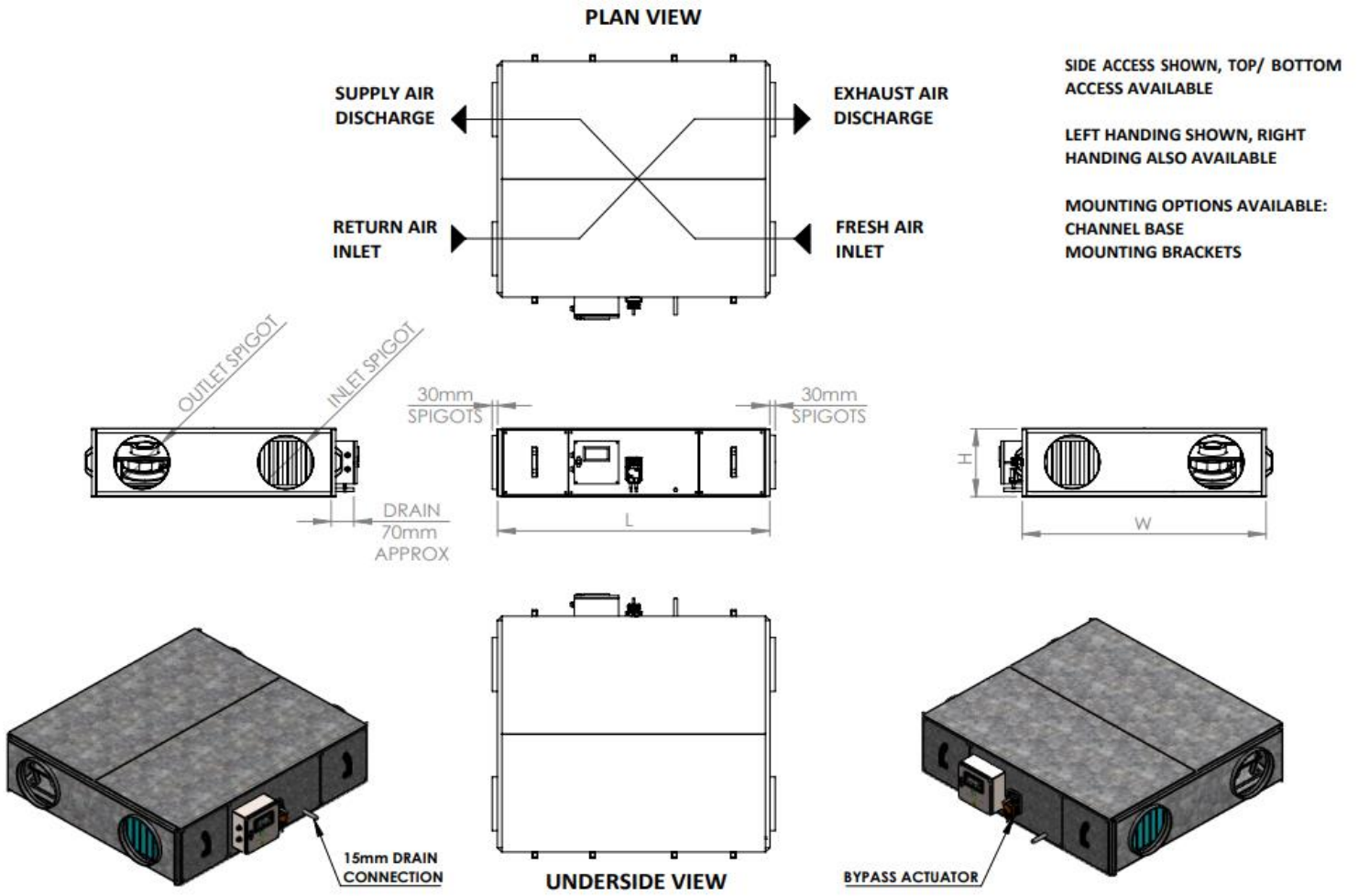


E H R - 4 TEMPERATURE EFFICIENCY



E H R - 4 BOLT ON PRESSURE DROPS





DIMENSIONS

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

ELECTRIC DATA

Motor Type	Class / IP Rating	Impeller	Input Power (W)	FLC (A)	Power Supply
EC	B / IP54	Backward curved	2 x 500	2 x 2.20	230V AC, 1~ 50Hz

DUTY CURVE		SOUND POWER LEVELS Lw							RADIATED Lp dB(A)
		125 Hz	250 Hz	500 Hz	1 kHz	2 kHz	4 kHz	8 kHz	
100%	INLET	70	72	70	68	65	65	62	40
	OUTLET	75	77	75	73	70	70	67	
90%	INLET	69	70	69	66	64	63	59	39
	OUTLET	74	75	74	71	69	68	64	
80%	INLET	67	67	66	63	60	58	53	36
	OUTLET	72	72	71	68	65	63	58	
70%	INLET	64	64	63	60	57	55	49	33
	OUTLET	69	69	68	65	62	60	54	
60%	INLET	62	60	59	55	52	49	42	29
	OUTLET	67	65	64	60	57	54	47	

Sound power levels are calculated from the fan pressure level measured at a distance of 1m in accordance with DIN 45635 and ISO 3744/3745

Radiated Sound pressure level is quoted at a distance of 3m and assumes spherical propagation and free field conditions



ELECTRIC FROST HEATER (ON/OFF)

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

ELECTRIC HEATER (THYRISTOR CONTROL)

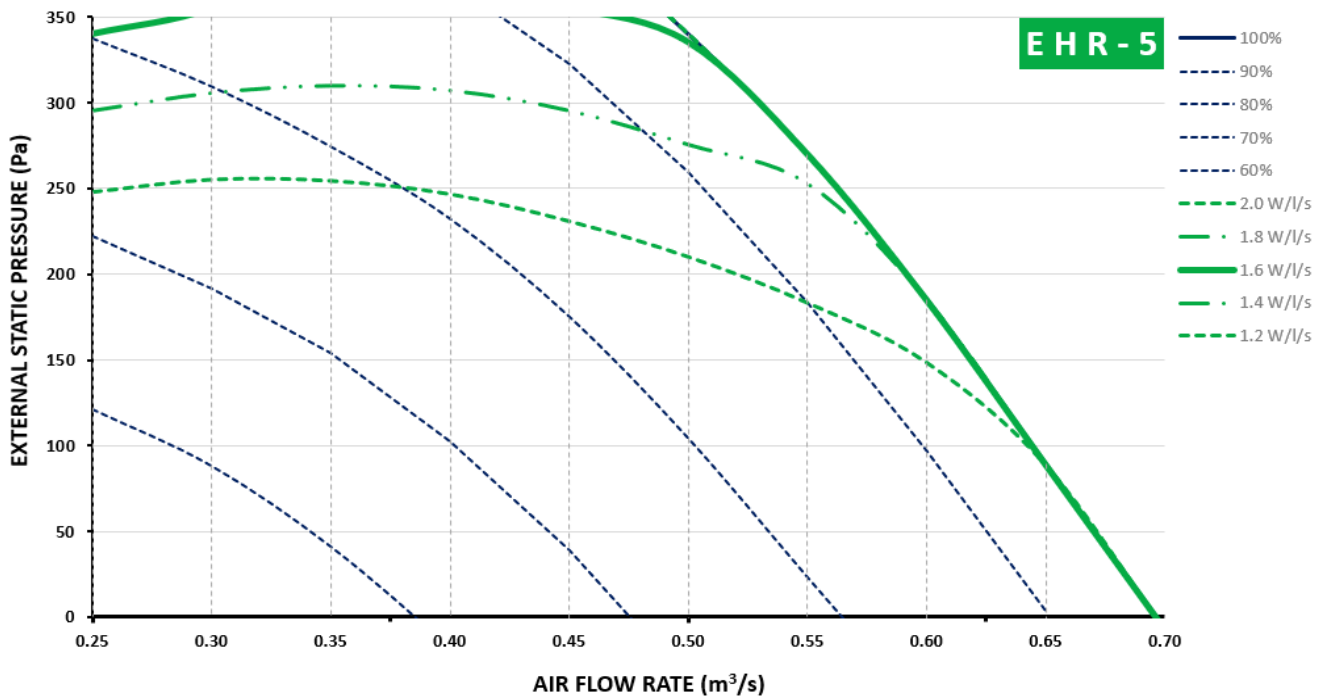
Heater Model	Output (kW)	Power Supply	Nom. Current (A)	Outlet Spigot	Dimensions W x H x L (mm)
EHT5/6.0	6.0	230V/1PH/50Hz	26.0	Ø 400mm	585 x 480 x 490

HOT WATER HEATER

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

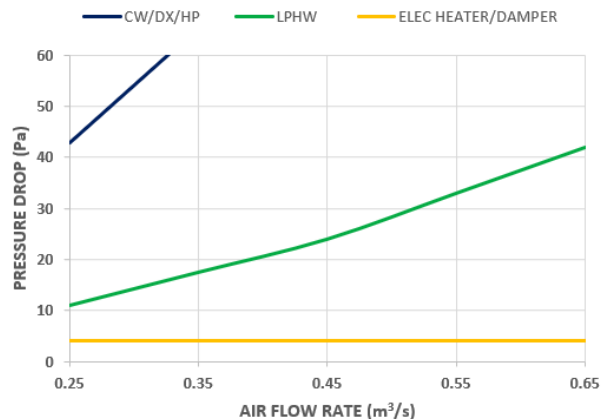
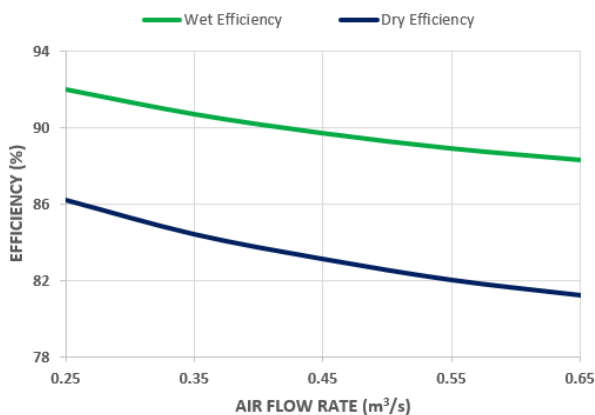
CHILLED WATER COOLER

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



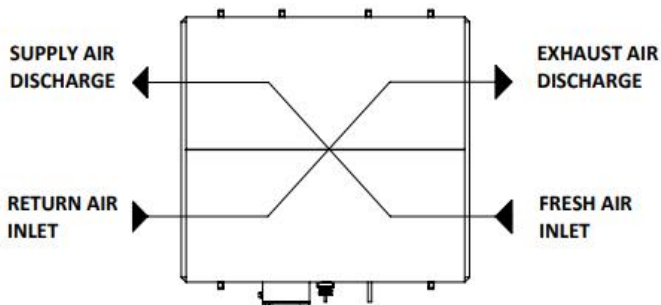
EHR-5 TEMPERATURE EFFICIENCY

EHR-5 BOLT ON PRESSURE DROPS





PLAN VIEW

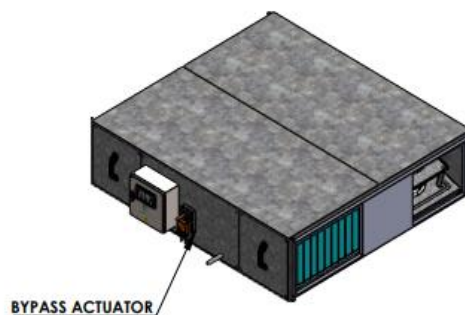
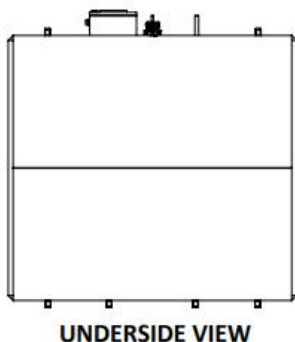
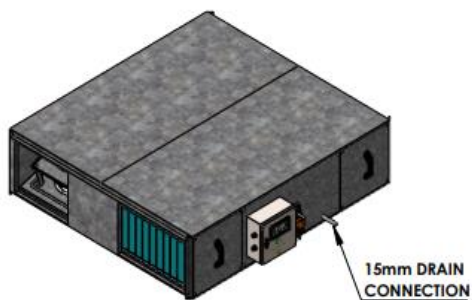
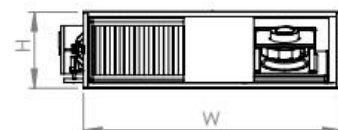
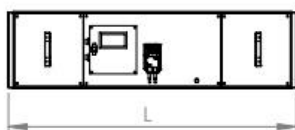
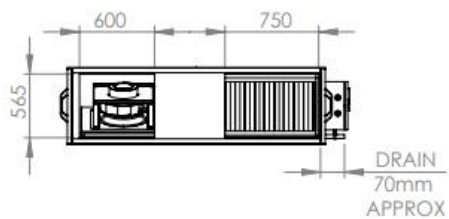


SIDE ACCESS SHOWN, TOP/
BOTTOM ACCESS NOT
AVAILABLE

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

ELECTRIC DATA

Motor Type	Class / IP Rating	Impeller	Input Power (W)	FLC (A)	Power Supply
EC	B / IP54	Backward curved	2 x 1000	2 x 1.63	400V AC, 3~ 50Hz

DUTY CURVE		SOUND POWER LEVELS L _w							RADIATED L _p
		125 Hz	250 Hz	500 Hz	1 kHz	2 kHz	4 kHz	8 kHz	dB(A)
100%	INLET	64	73	72	69	71	69	67	40
	OUTLET	65	72	74	78	78	75	72	
90%	INLET	62	72	70	67	69	68	65	39
	OUTLET	64	70	73	77	76	73	69	
80%	INLET	62	67	67	65	67	65	60	36
	OUTLET	63	69	70	75	73	70	65	
70%	INLET	61	64	64	62	64	61	56	33
	OUTLET	63	66	67	72	70	68	61	
60%	INLET	60	61	62	60	61	57	52	31
	OUTLET	62	62	65	70	67	63	56	

Sound power levels are calculated from the fan pressure level measured at a distance of 1m in accordance with DIN 45635 and ISO 3744/3745

Radiated Sound pressure level is quoted at a distance of 3m and assumes spherical propagation and free field conditions



ELECTRIC FROST HEATER (ON/OFF)

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

ELECTRIC HEATER (THYRISTOR CONTROL)

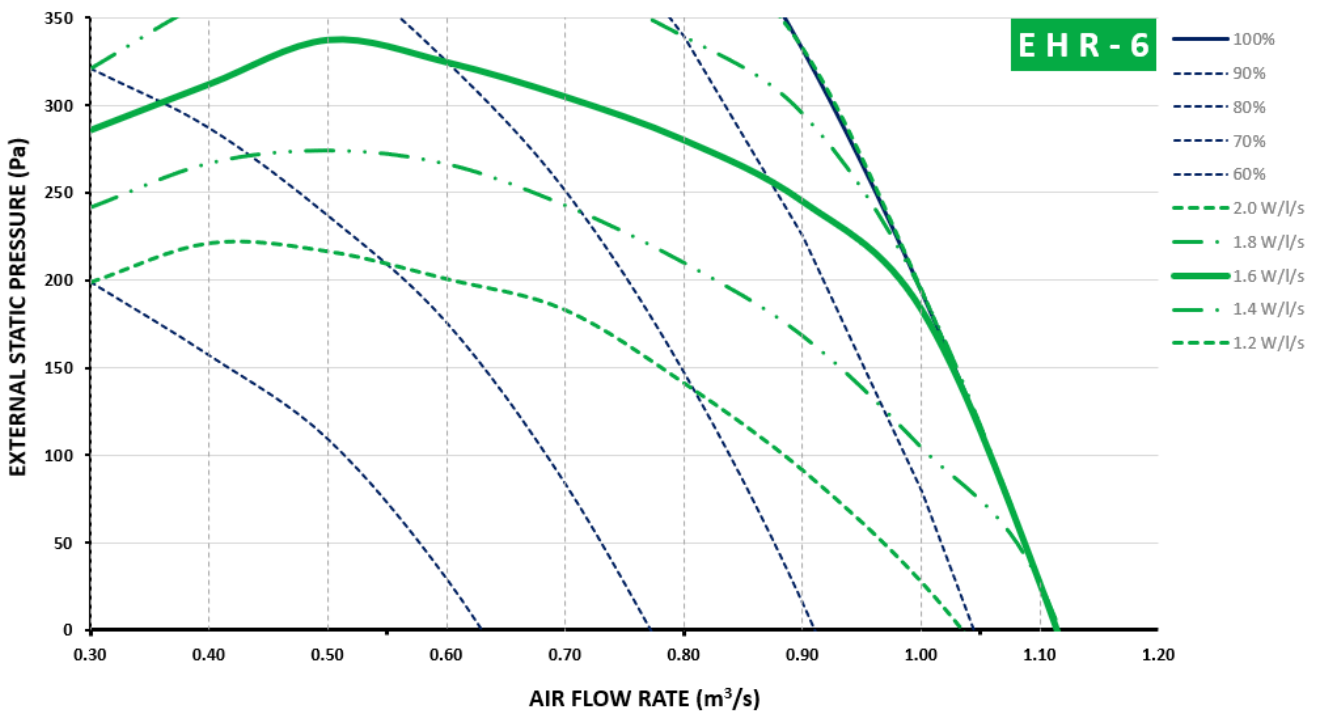
Heater Model	Output (kW)	Power Supply	Nom. Current (A)	Outlet Spigot	Dimensions W x H x L (mm)
EHT6/6.0	9.0	230V/1PH/50Hz	39.1	600x565mm	720 x 615 x 490

HOT WATER HEATER

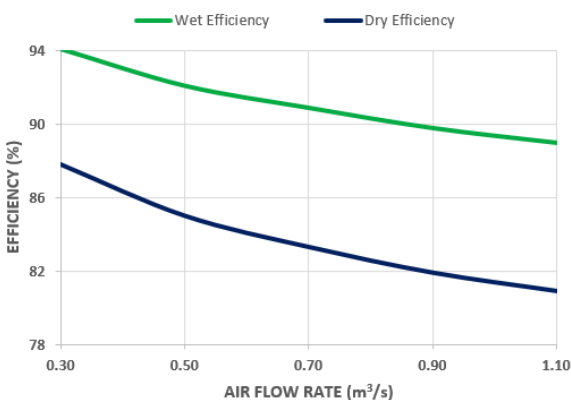
Heater Model	Nominal Output (kW)	Outlet Spigot	Dimensions W x H x L (mm)
HW6/1R	10.0	600x565mm	720 x 615 x 490

CHILLED WATER COOLER

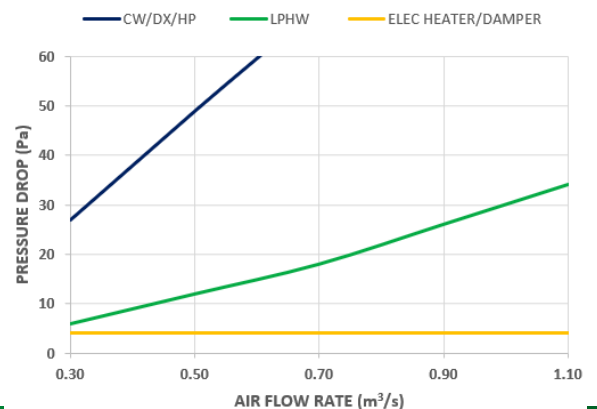
Cooler Model	Nominal Output (kW)	Outlet Spigot	Dimensions W x H x L (mm)
CW6/2R	4.5	600x565mm	720 x 615 x 490



E H R - 6 TEMPERATURE EFFICIENCY



E H R - 6 BOLT ON PRESSURE DROPS

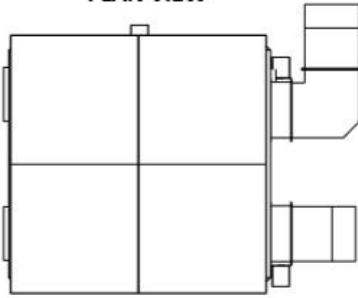




WEATHER-PROOFING OPTIONS -

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

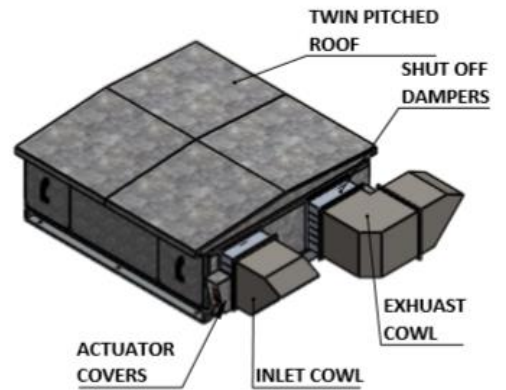
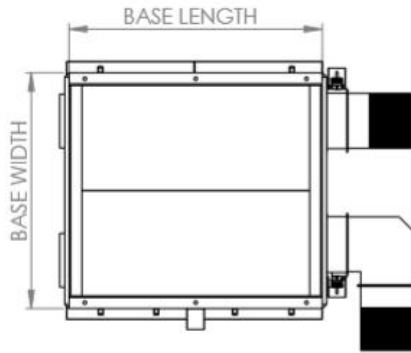
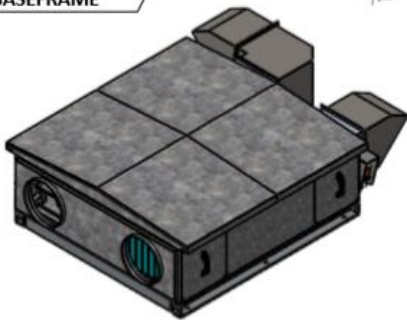
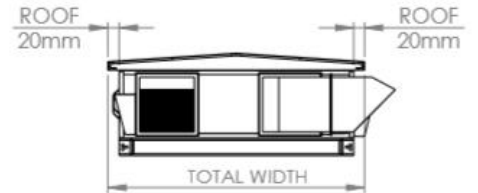
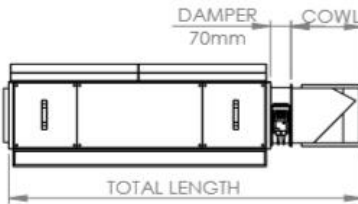
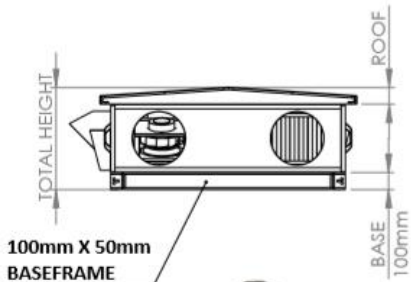
PLAN VIEW



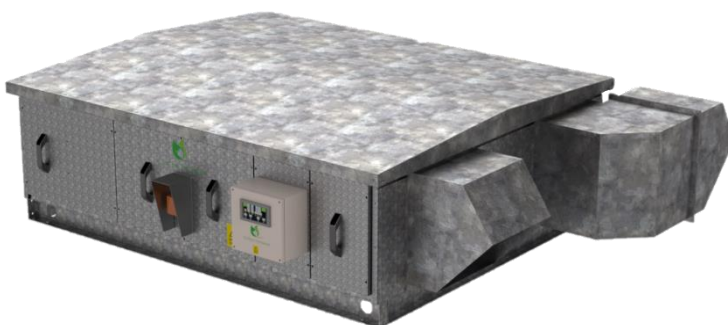
SIDE ACCESS SHOWN,
TOP/ BOTTOM ACCESS
NOT AVAILABLE

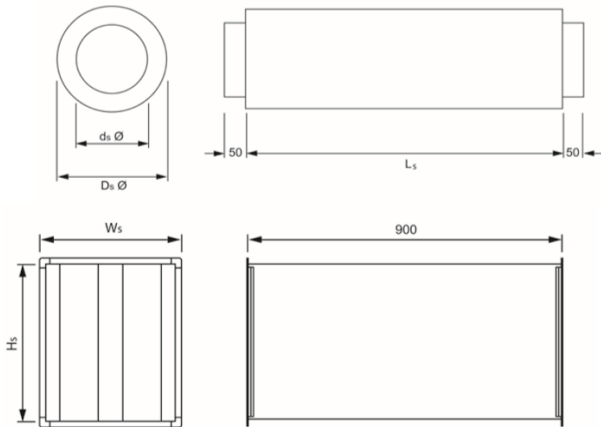
LEFT HANDING SHOWN,
RIGHT HANDING ALSO
AVAILABLE

MOUNTING OPTIONS
AVAILABLE:
CHANNEL BASE

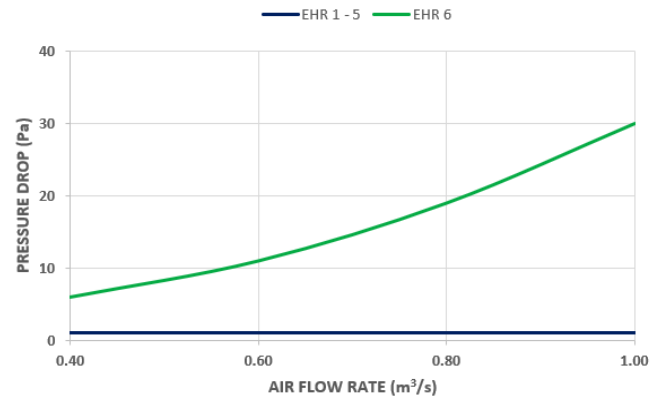


UNIT	Unit Length	Unit Width	Unit Height	Cowl Length	Roof Height	Base Length	Base Width	Total Length	Total Width	Total Height	Weight Kg (approx.)
SIZE 1	1225	750	306	250	85	1175	750	1545	790	491	100
SIZE 2	1407	795	358	300	115	1357	795	1777	835	573	155
SIZE 3	1537	1375	393	365	120	1487	1375	1972	1415	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 \varnothing Ds	Length Ls	Weight Kg
ATT1-9	EHR - 1	ds \varnothing 200	\varnothing 30	900	10.5
ATT2-9	EHR - 2	ds \varnothing 250	\varnothing 35	900	4
ATT3-9	EHR - 3	ds \varnothing 315	\varnothing 41	900	16
ATT4-9	EHR - 4	ds \varnothing 315	\varnothing 41	900	16
ATT5-9	EHR - 5	ds \varnothing 400	\varnothing 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

INSERTION LOSSES (dB)								DETAILS	
MODEL	125 Hz	250 Hz	500 Hz	1 kHz	2 kHz	4 kHz	8 kHz	OUTER \varnothing	WEIGHT
EHR 1 - 200 \varnothing 615long	3	7	14	29	21	16	15	310	8
EHR 1 - 200 \varnothing 915long	4	10	20	38	27	19	18		12
EHR 1 - 200 \varnothing 1215long	4	12	25	47	33	22	21		15
EHR 2 - 250 \varnothing 615long	2	5	12	27	17	13	13	360	10
EHR 2 - 250 \varnothing 915long	3	7	17	36	21	15	15		14
EHR 2 - 250 \varnothing 1215long	4	9	23	45	26	18	17		18
EHR 3 - 315 \varnothing 615long	2	4	11	22	13	11	10	425	12
EHR 3 - 315 \varnothing 915long	2	6	15	30	16	13	12		17
EHR 3 - 315 \varnothing 1215long	3	8	19	38	18	15	14		21
EHR 4 - 315 \varnothing 615long	2	4	11	22	13	11	10	425	12
EHR 4 - 315 \varnothing 915long	2	6	15	30	16	13	12		17
EHR 4 - 315 \varnothing 1215long	3	8	19	38	18	15	14		21
EHR 5 - 400 \varnothing 615long	2	4	9	15	7	7	6	510	14
EHR 5 - 400 \varnothing 915long	2	5	12	19	9	8	7		20
EHR 5 - 400 \varnothing 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.



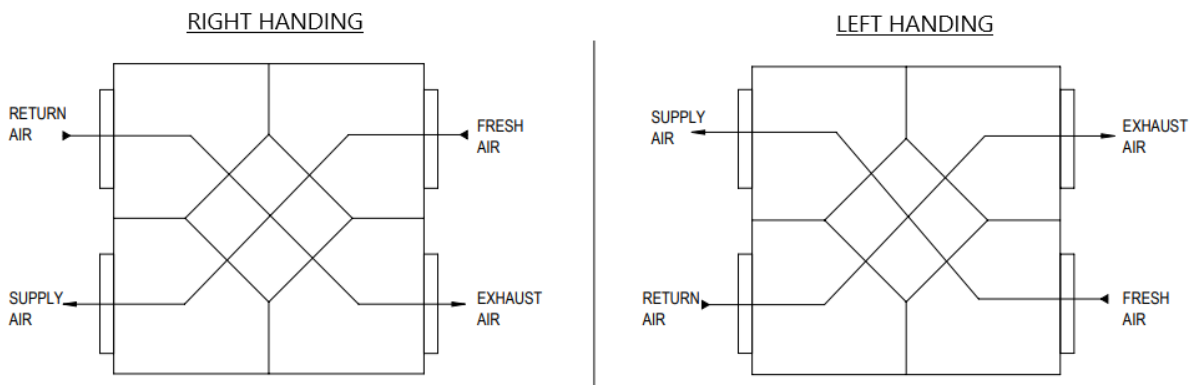
HOW TO CODE YOUR UNIT

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 10 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.



EcoTech Ventilation



Website - www.ecotechventilation.com

Contact us on - info@ecotechventilation.com

Contact our sales team - sales@ecotechventilation.com