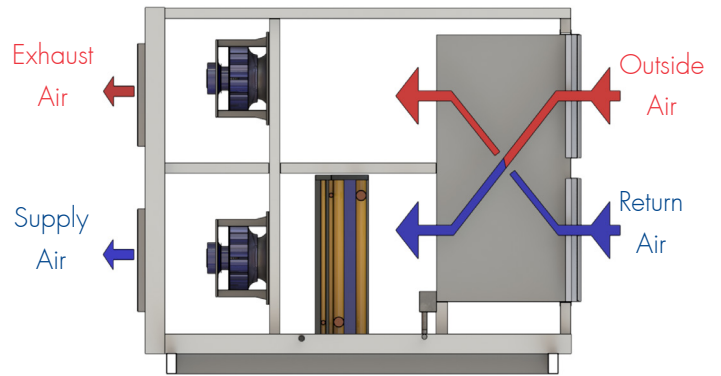
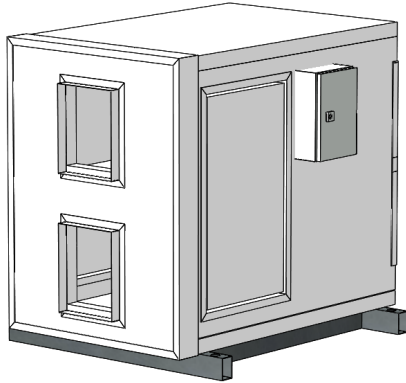


ERV250-ECP

Technical Data



Contact your Air Change representative for a psychrometric unit selection

Airflow	
Supply Air	250l/s (nominal)
Exhaust Air	250l/s (nominal)
Outside Air	100%

Air-to-Air Heat Exchanger*	
HEX Type	Counterflow Plate
HEX Media	Sensible-only or Enthalpy

CHW Coil (Optional)	
Design	As per project requirements

Protective Coating	Epoxy
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HHW Coil (Optional)	
Design	As per project requirements

Protective Coating	Epoxy
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Fans (Nominal Selection)	
Type	EC Plug

Supply Air	Total Fans	x1
	Nominal Power	0.75kW
	Fan Diameter	250mm
	Fan Speed (max.)	3450RPM
	Motor Efficiency Class	IE4
	Ingress Protection Class	IP54
	Impeller Construction	Powder-coated Metal
	Speed Control	External Speed Signal or Potentiometer Controller

Fans (Nominal Selection)	
Type	EC Plug

Exhaust Air	Total Fans	x1
	Nominal Power	0.75kW
	Fan Diameter	250mm
	Fan Speed (max.)	3450RPM
	Motor Efficiency Class	IE4
	Ingress Protection Class	IP54
	Impeller Construction	Powder-coated Metal
	Speed Control	External Speed Signal or Potentiometer Controller

Cabinet	
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Weatherproof	Yes
Panel Construction	50mm PIR Sandwich Panel (FM Approved 4880/4881 - Class 1)
Panel Finish	Colorbond "Surfmist"
Panel R-Value	2.63K _m ² /W
Panel Joiner Material	UV Resistant Polymer
Base Frame	Galvanised Steel with Lifting Lugs
Anti-corrosion Treatment	Optional
Filter Section	Not included (filters to be mounted in RA & OA ductwork)

Electrical & Controls †	
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Electrical Input	240V / 1Ph / 50Hz
Full Load Amps	7A
Control	Low Level Interface

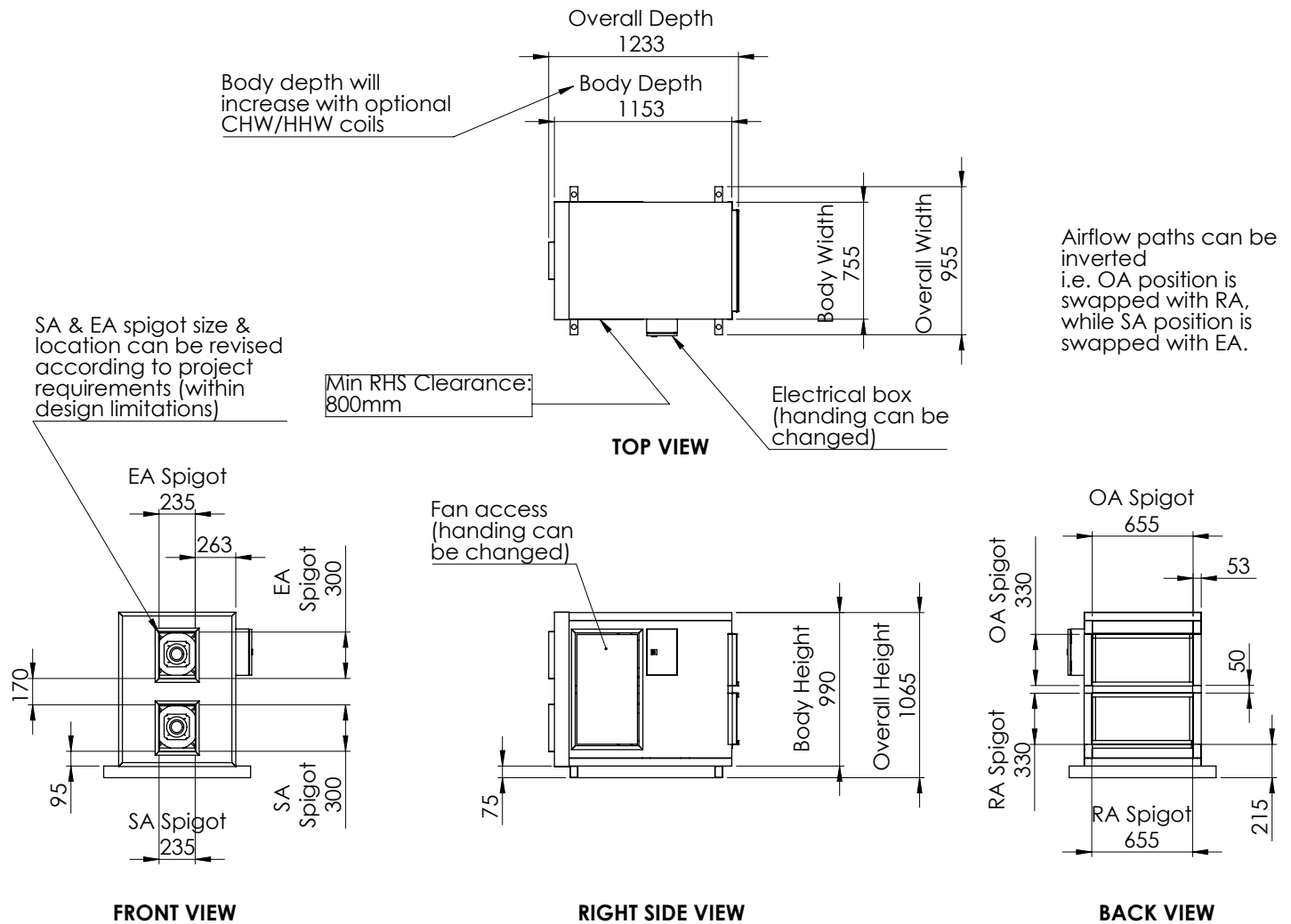
* The plate heat exchangers are designed to operate to a maximum 300Pa pressure differential (inlet condition) between primary and secondary air streams.

† Unit electrical input is subject to change, depending on project requirements. Refer to project certified electrical diagrams for finalised details.

ERV250-ECP Dimensions

 Standard Configuration *

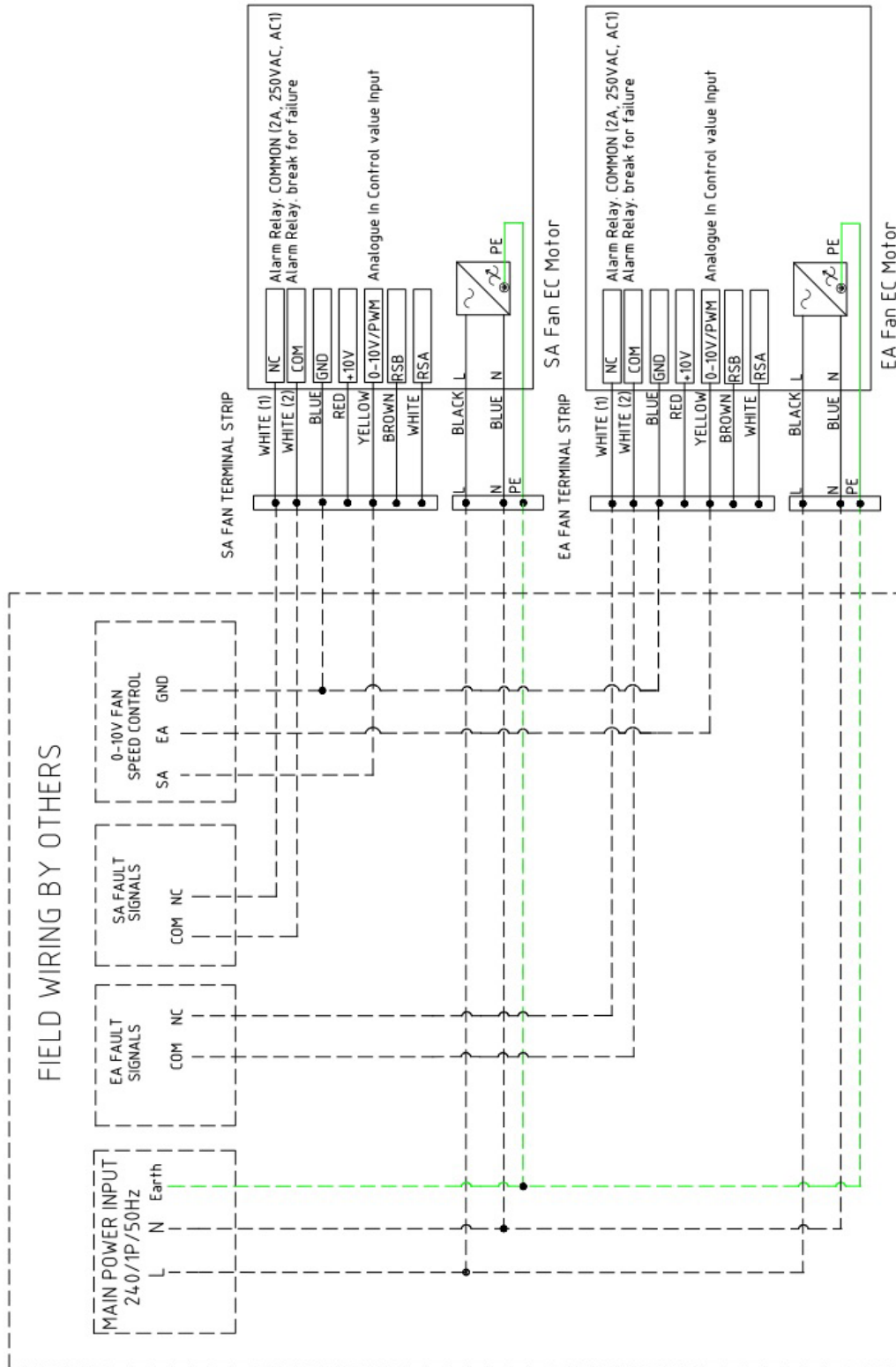
Unit Weight: approx. 150kg



* Dimensions and weight are subject to change, depending on project requirements. Refer to project certified drawings for finalised details.

ERV250-ECP Electrical

Wiring Diagram*

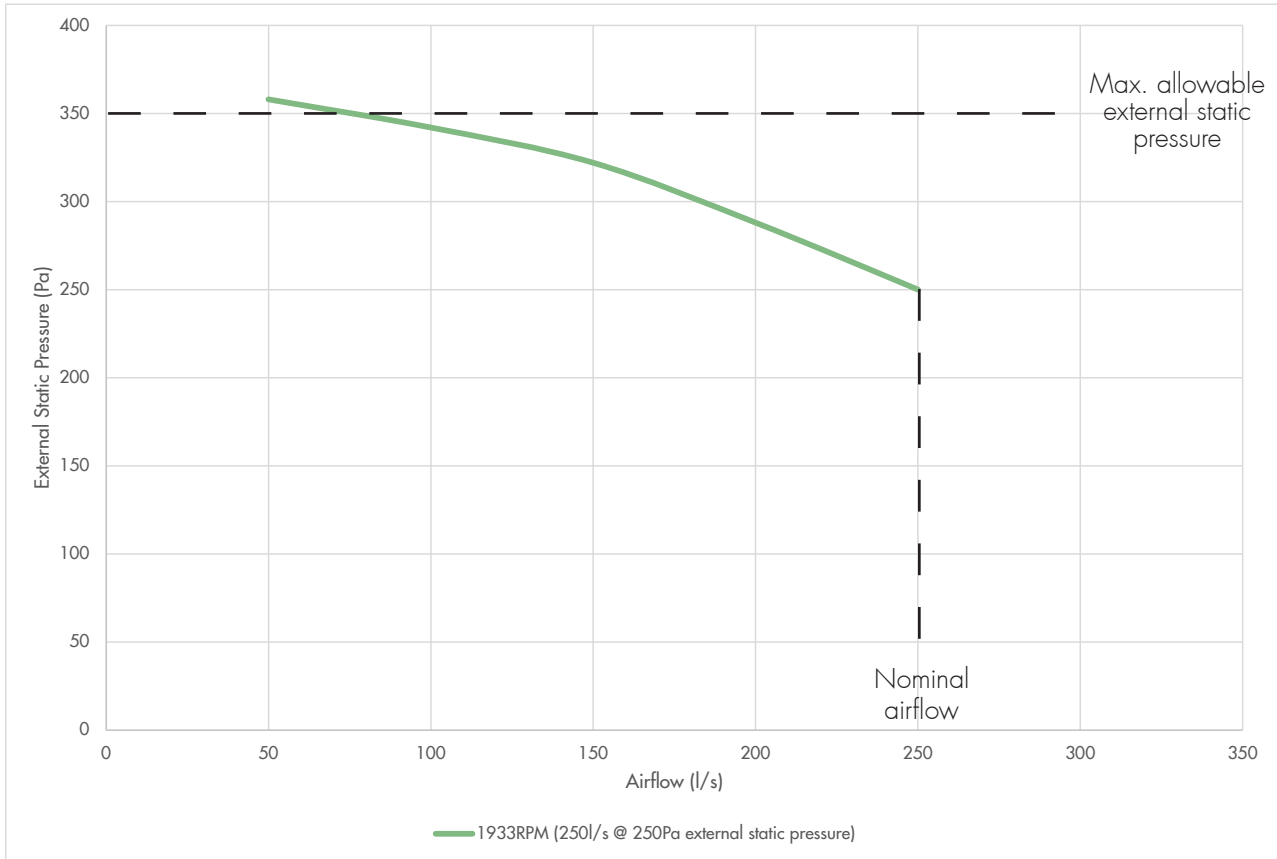


* Connection details are subject to change, depending on project requirements. Refer to project certified electrical diagrams for finalised details.

ERV250-ECP Airflow & Noise



Supply / Exhaust Air Fan Curve*



Fan Power (250l/s @ 250Pa External Static Pressure)*

Absorbed Power 0.15kW

* Fan curve makes allowance for internal pressure drop of unit (excl. optional CHW & HHW coils). This pressure drop is subject to change, depending on project requirements. Supply and exhaust air fan selection options are available.



Supply / Exhaust Air Fan Acoustics (Sound Power)†

250l/s @ 250 Pa External Static Pressure									
Inlet									
Frequency (Hz)	sum	63	125	250	500	1000	2000	4000	8000
A-weighted (dB)	-	-	-	-	-	-	-	-	-
Non A-weighted (dB)	66	67	68	64	60	60	57	59	43
Outlet									
Frequency (Hz)	sum	63	125	250	500	1000	2000	4000	8000
A-weighted (dB)	-	-	-	-	-	-	-	-	-
Non A-weighted (dB)	68	65	73	66	63	64	61	56	49

† Noise data considers supply / exhaust air fans individually, without attenuation by the cabinet.