

Technical Data

New XBOXER - With Ecosmart Classic Control Heat Recovery Fan

Fan Code:	XBC65-H-NES
Installation Manual Links:	671605
Required Duty:	500 l/s @ 250 Pa
Actual Duty:	526 l/s @ 277 Pa
Actual at Required Flow:	500 l/s @ 300 Pa
Velocity at Actual Duty:	2.193 m/s

When Speed Controlled to Required Duty (95%):

Velocity at Required Duty:	2.083 m/s
Motor Input Power:	0.772 kW
Specific Fan Power:	1.5 W/(l/s)

Motor Input Power:	0.9 kW
Specific Fan Power:	1.7 W/(l/s)
Nominal Fan Speed:	1,850 RPM
Electrical Supply:	230 V 1 Phase 50 Hz
Motor Rating:	1.1 kW
Motor Current:	flc: 6 A
Motor Current:	sc: 6 A

Weight:	476 kg
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XBOXER XBC Heat Recovery Range
Energy Saving Product of the Year

Sound Data

Sound Power Levels re 1 pWatts (Hz):

	63	125	250	500	1k	2k	4k	8k	dBA
Breakout	69	67	54	49	43	39	33	18	34
Induct Intake	77	77	70	64	62	57	46	32	
Induct Supply	81	83	77	72	70	66	59	52	
Induct Discharge	83	83	77	73	70	67	59	53	
Induct Extract	79	77	68	65	62	58	46	33	

The above spectrums running speed controlled to required duty (95.0%). When running at full speed:

Breakout	71	69	56	51	45	41	35	20	35
Induct Intake	79	79	72	66	64	59	48	34	
Induct Supply	83	85	79	74	72	68	61	54	
Induct Discharge	85	85	79	75	72	69	61	55	
Induct Extract	81	79	70	67	64	60	48	35	

dBA is spherical at 3 metres. For hemi-spherical add 3 dBA.

Please note that the noise data stated on this data sheet for the unit and/or silencer is tested in accordance with UK, European and International industry laboratory standards. However onsite conditions may vary and we would recommend that this information is verified by an acoustic specialist in order to ensure its suitability for the intended application.

Project Details

Reading Shower Block

Reading Shower Block

Location: HRU01 -

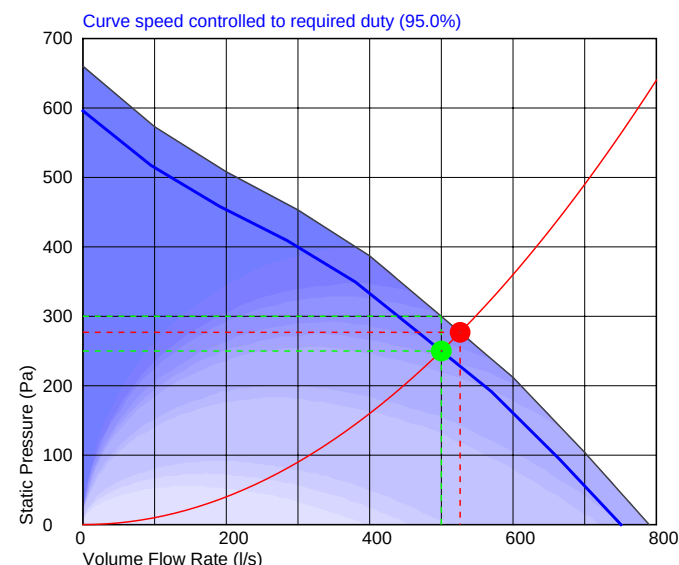
Specification

Nuaire XBOXER supply & extract unit with heat recovery. The unit incorporates a high efficiency counterflow plate heat exchanger (up to 90% efficiency) with segmented 100% bypass facility (patent app. for) automatic control and actuator. Performance optimised backward curved impellers and IP54 EC motors provide low specific fan powers and stepless, speed control without tonal noise generation. Asymmetric, high mass double skinned wall construction (patented) with integral acoustic barrier mat (not XBC10) ensures low breakout noise levels with Leakage class L2. Unit is fitted with high capacity pleated G4 (XBC10 is G3) panel filters (spare filters are included). Energy efficient, unit integrated demand based control of ventilation / heating is provided by the Ecosmart control system. Low casing height for ceiling / underfloor / slab mounted applications. Flexibility in unit ductwork connections - Supply / Discharge connections on unit centreline; Intake / Extract connections are configurable on site to either side of unit. Side mounted unit control with 90° rotation facility for commissioning adjustments. Unit supplied as configuration A (refer to technical documentation). 5 year warranty. .

Additional Notes

Please note: the unit has been selected without any airflow rates or resistances. Please check the unit data sheets for suitability.

Performance Curve



Nuaire, Western Industrial Estate, Caerphilly, CF83 1NA, United Kingdom. email:info@nuaire.co.uk

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Whilst the information given on this data sheet is fan specific, it is in summary and reference to the product selection catalogue and installation & maintenance documents is recommended.
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Technical Data

New XBOXER - With Ecosmart Classic Control Heat Recovery Fan

Fan Code: **XBC65-H-NES**

Selected Ancillaries

1 x ES-LCD	Ecosmart LCD Touch Screen User Control (White)
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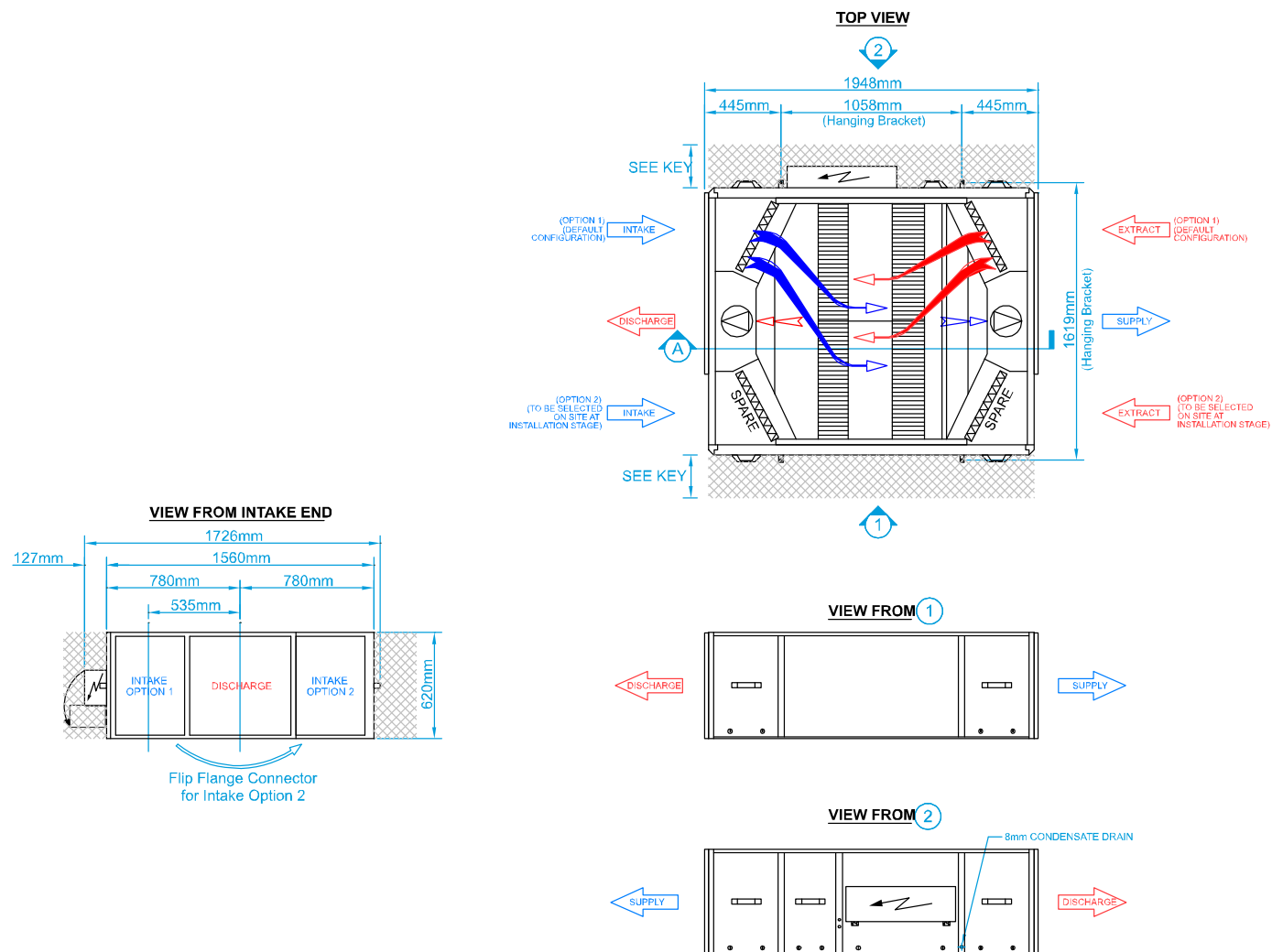
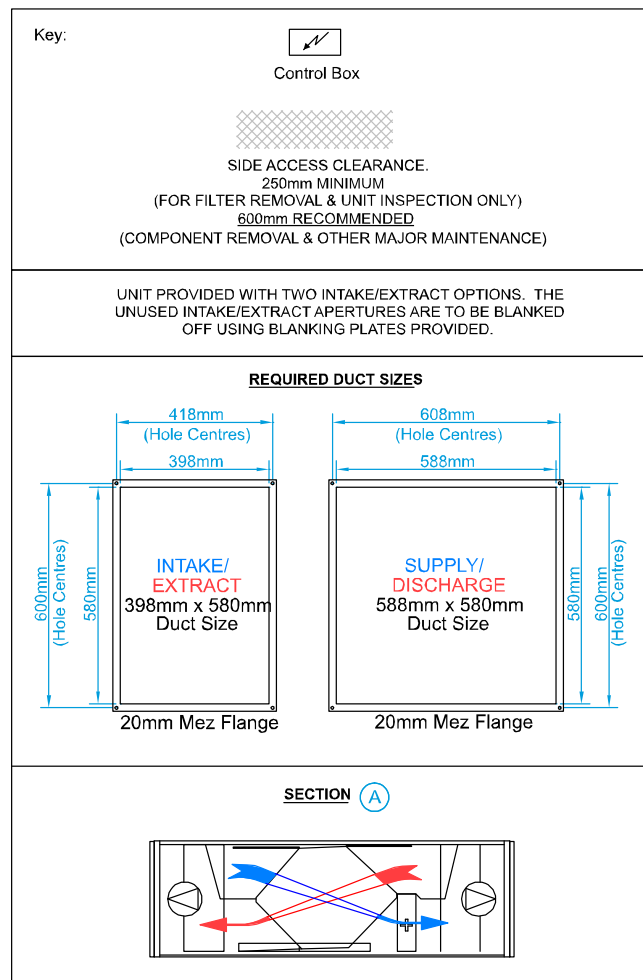
Project Details

Reading Shower Block
Reading Shower Block
Location: HRU01 -

ES-LCD - Ecosmart LCD Touch Screen User Control (White)

LCD touch screen ventilation user control panel in white compatible with Ecosmart system. Control has built in time clock. Supplied with pre-plugged 10m length of communication cable.

PLEASE NOTE: This drawing details the factory-standard unit ONLY (unless silencers are shown too). The total length may differ from that shown depending on the ancillaries offered or if the unit code ends in -QA****.



You can download this CAD drawing from <http://www.nuaire.info/CAD/xbc65-hn-l.dwg>



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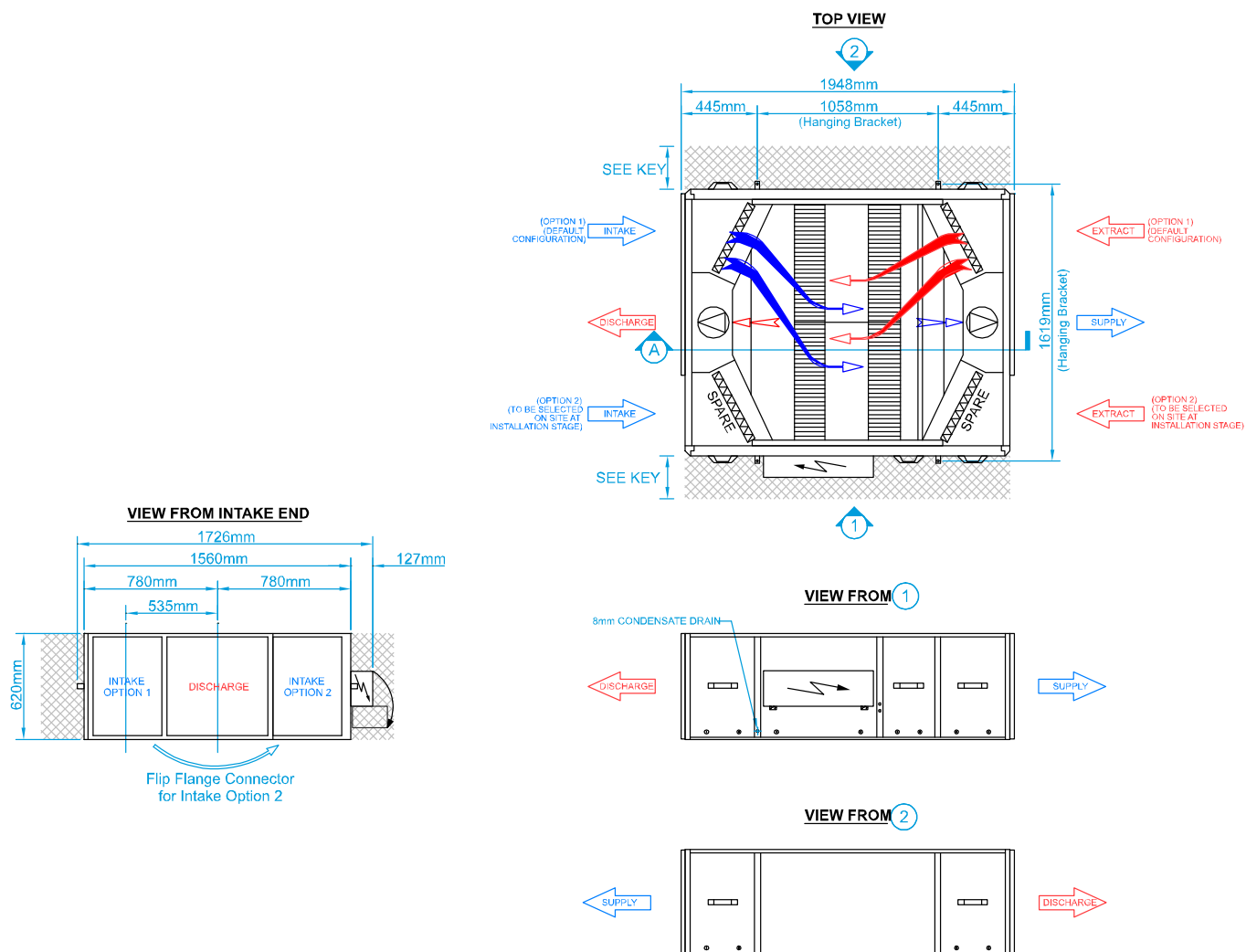
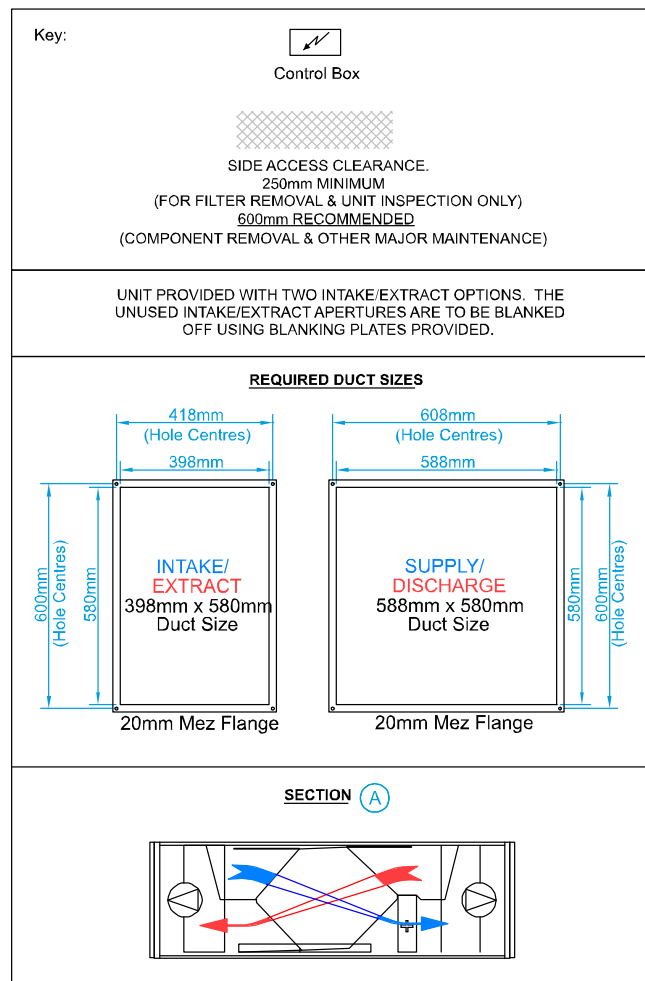
PLEASE NOTE This drawing **must be signed and returned** with official order for manufacturing to be scheduled. Nuaire will then advise delivery detail with order acknowledgment. **Approval refers to CAD drawing only and not any other images.**

ARRANGEMENT APPROVAL

Date: Signature:

Name (please print):

PLEASE NOTE: This drawing details the factory-standard unit ONLY (unless silencers are shown too). The total length may differ from that shown depending on the ancillaries offered or if the unit code ends in -QA****.



You can download this CAD drawing from <http://www.nuaire.info/CAD/xbc65-hn-r.dwg>



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