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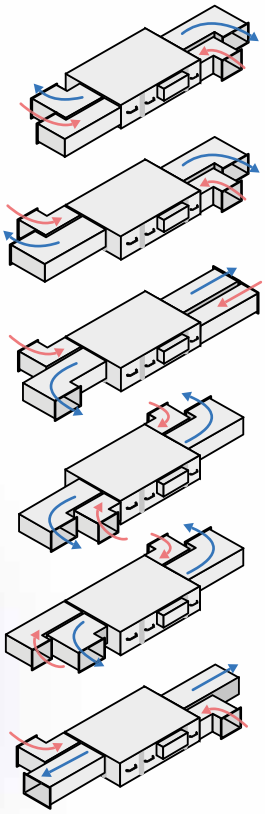
NOW AVAILABLE WITH NEW BEND SILENCERS



XBOXER XBC

HEAT RECOVERY SOLUTIONS
ENERGY EFFICIENT PRODUCT RANGE

WITH **NEW** ecosmart CONTROL PLATFORM

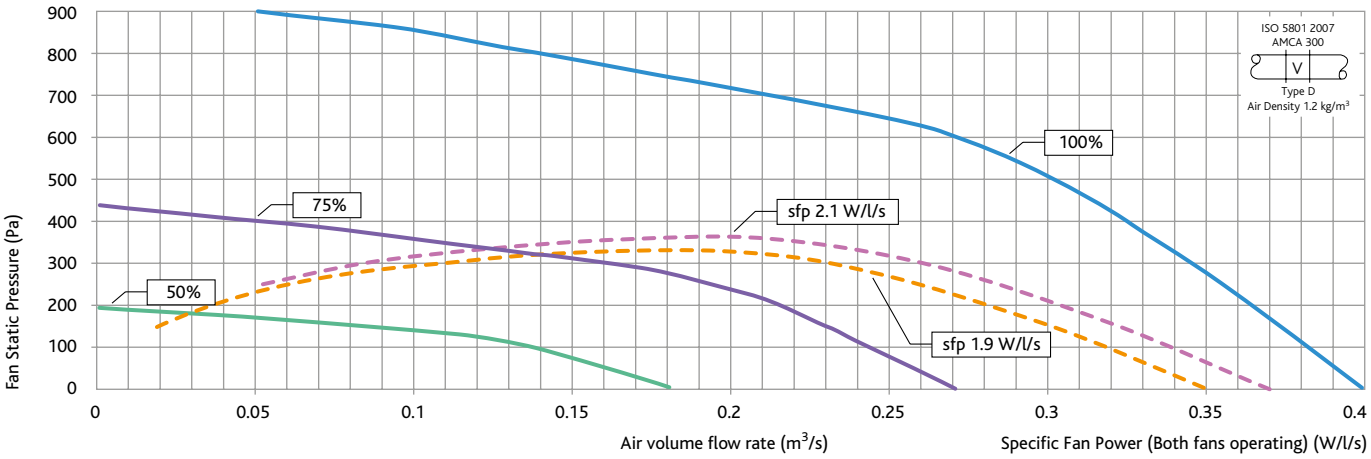
ErP COMPLIANT 2018

UP TO 96% EFFICIENCY

FOR THE COMPLETE VENTILATION SOLUTION

MADE IN THE UK

XBC25 HORIZONTAL HEAT EXCHANGE UNITS
PERFORMANCE & TECHNICAL INFORMATION



XBC25 UNIT PERFORMANCE - EXAMPLE 0.2m³/s @ 150Pa = SFP 1.1, 29dBA @ 3m

Fan Speed		External Static Pressure (Pa)									Fan Speed		External Static Pressure (Pa)								
		0	50	100	200	300	400	500	600	700			0	50	100	200	300	400	500	600	700
100%	Airflow (m³/s)	0.36	0.35	0.34	0.32	0.30	0.27	0.24	0.17		50%	Airflow (m³/s)	0.18	0.16	0.14						
	sfp (W/l/s)	2.00	2.10	2.15	2.28	2.46	2.59	2.90	3.80			sfp (W/l/s)	0.5	0.57	0.65						
	dBA@3m	37										dBA@3m	25								
75%	Airflow (m³/s)	0.27	0.26	0.24	0.21	0.16	0.05				25%	Airflow (m³/s)	0.09								
	sfp (W/l/s)	1.1	1.2	1.3	1.4	1.7	4					sfp (W/l/s)	0.2								
	dBA@3m	31										dBA@3m	< 20								

Specific Fan Power figures are the total for both fans operating.

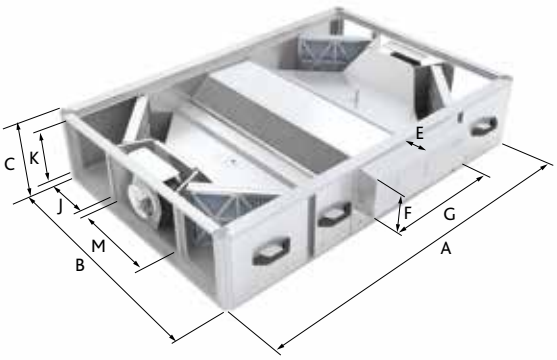
For accurate figures, please refer to Nuaire Fan Selection Programme at www.nuaire.co.uk

Unit Code	Voltage / Phase / Frequency	Input Power (W)	FLC / SC (A)	Max Operating Temperature	Fan Speed (rpm)	Unit Weight (kg)	Packed Weight (kg)	Pallet / crate dimensions (mm)
XBC25-H-L**	230 / 1 / 50	1000	6.4 / 6.4	40°C	4000	235	285	1850L x 1400W x 505H
XBC25-H-E**	230 / 1 / 50	5500*	19.4 / 19.4	40°C	4000	242	292	1850L x 1400W x 505H
XBC25-H-N**	230 / 1 / 50	1000	6.4 / 6.4	40°C	4000	231	281	1850L x 1400W x 505H

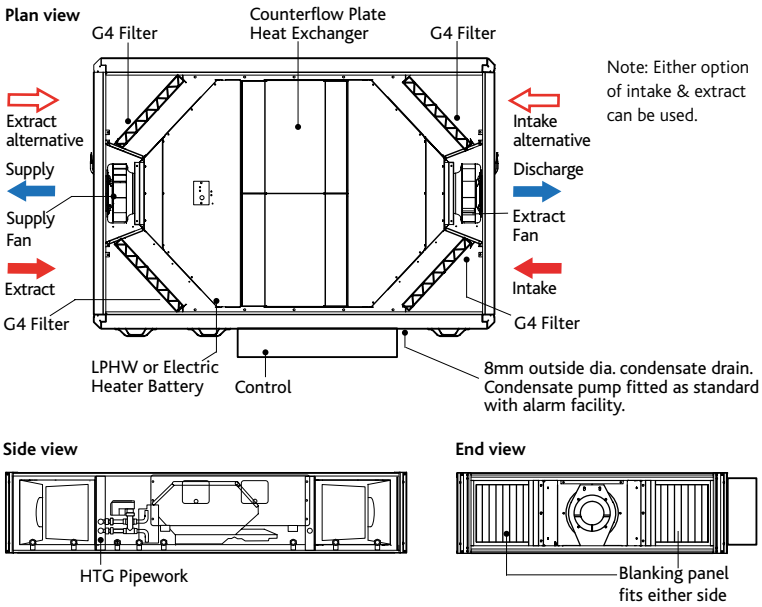
**Add relevant code ie: BC, ES, CO or AT for control type. *Includes 4.5kW Electric Heater.

FAN UNIT DIMENSIONS (mm)

Note: All models (BC, ES, CO or AT) have a fold down (90°) pivoting control box for easy commissioning.



XBC25 FAN CONFIGURATION



Note: Either option of intake & extract can be used.

Fan Unit Dimensions (mm)			Control for all Models Dimensions (mm)			Rectangular Aperture Dimensions (mm)			Weather Roof for Code XBC25-H-WP			Service & Maintenance Requirements
A	B	C	E	F	G	J	K	M	H x W x L			The unit is designed for side access as standard and must be installed with a minimum of 260mm clearance from a wall or barrier. This will provide access to filters, coil, fan, heat exchanger, condensate tray and pump.
1700	1150	340	120	200	670	252	302	471	75	1150	2000	

2 attenuator flanges are attached to every unit. Add 50mm to dimension 'A' to include both flanges.
Weather roof is separate code and can be retro fitted on site.

XBC25 HORIZONTAL HEAT EXCHANGE UNITS
PERFORMANCE & TECHNICAL INFORMATION

XBC25 FAN - SOUND DATA

Fan Speed	Sound Power Levels (dB re 1 pW)	Frequency (Hz) 63	125	250	500	1000	2000	4000	8000	Spherical dBA@3m	Fan Speed	External Static Pressure (Pa) 63	125	250	500	1000	2000	4000	8000	Spherical dBA@3m
100%	Induct Intake	77	71	69	71	66	62	54	53	37	50%	63	57	55	57	52	48	40	39	23
	Induct Supply	82	83	78	82	72	72	68	70			68	69	64	68	58	58	54	56	
	Induct Discharge	83	84	78	81	72	72	70	71			69	70	64	67	58	58	56	57	
	Induct Extract	76	70	68	71	65	62	54	54			62	56	54	57	51	48	40	40	
	Casing Radiated	69	68	55	58	45	44	44	36			55	54	41	44	31	30	30	22	
75%	Induct Intake	71	65	63	65	60	56	48	47	31	25%	48	42	40	42	37	33	25	24	< 20
	Induct Supply	76	77	72	76	66	66	62	64			53	54	49	53	43	43	39	41	
	Induct Discharge	77	78	72	75	66	66	64	65			54	55	49	52	43	43	41	42	
	Induct Extract	70	64	62	65	59	56	48	48			47	41	39	42	36	33	25	25	
	Casing Radiated	63	62	49	52	39	38	38	30			40	39	26	29	< 20	< 20	< 20	< 20	

*Casing Radiated (Breakout).

ATTENUATOR DIMENSIONS (mm), DYNAMIC INSERTION LOSS (dB) & WEIGHTS (kg)

Attenuator Code	Attenuator Dimensions Length	Width	Height	Air path	Dynamic Insertion Loss (dB) 63	125	250	500	1000	2000	4000	8000	Attenuator Weight (kg)	Packed Weight (kg)
XBC25-HS-MS10	1050	481	298	S / D	5	8	15	30	41	31	21	16	42	47
XBC25-HE-MS10	1050	262	298	I / E	4	4	10	22	26	15	10	8	33	36
XBC25-HS-MS12	1250	481	298	S / D	7	10	18	36	51	39	26	20	51	56
XBC25-HE-MS12	1250	262	298	I / E	5	6	12	27	34	20	13	9	40	43
XBC25-HS-MS16	1600	481	298	S / D	9	13	23	42	55	49	32	25	64	69
XBC25-HE-MS16	1600	262	298	I / E	6	8	15	33	43	25	15	11	50	53

S / D = Supply / Discharge I / E = Intake / Extract. **Coding:** The S / D denotes the type of silencer required for the supply or discharge. The I / E denotes the type of silencer required for the extract or fresh air intake on the unit. **All XBC matched silencers are double skinned.**

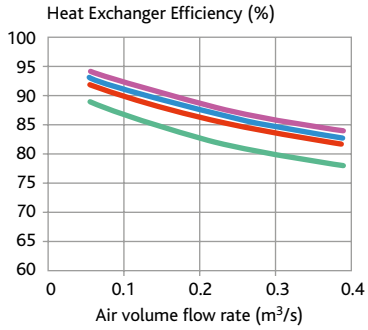
COUNTERFLOW HEAT EXCHANGER EFFICIENCY (%)

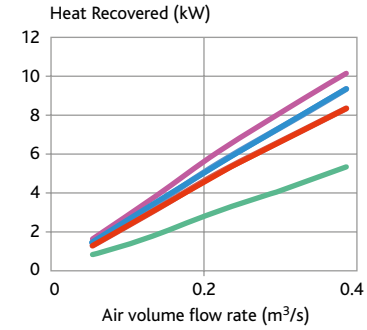
Performance based on:
Indoor Conditions 21 Deg C / 50 % RH

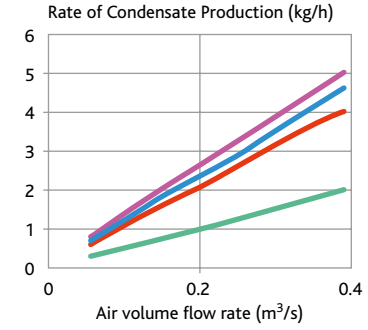
Key to performance curves

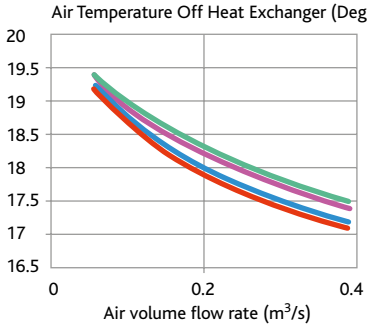
Intake Temperature (Deg C)

- **-5 Deg C Intake** Typically Specified Values
- **-3 Deg C Intake** Typically Specified Values
- **-1 Deg C Intake** Typically Specified Values
- **6 Deg C Approx.** Average outdoor temperature (UK heating season)









HEATING COIL DATA LPHW

LPHW Deg C	Airflow (m³/s)	Output (kW)	Air Off Temp (C*)	Water flow (l/s)	Coil ΔP (kPa)	Pipe Connection (mm)	Valve ΔP (kPa)	Valve Type
LPHW 82/71	0.25	6.0	30	0.13	7.3	15	9	4 Port
	0.1875	5.6	35	0.13	6.5	15	8.0	
	0.125	4.4	40	0.10	4.0	15	4.9	
LPHW 80/60	0.25	4.8	26	0.06	1.4	15	2	4 Port
	0.1875	4.3	29	0.05	1.3	15	1.8	
	0.125	3.4	33	0.04	0.8	15	1.1	
LPHW 60/40	0.25	2.8	19	0.03	0.5	15	1	4 Port
	0.1875	2.6	21	0.03	0.4	15	0.8	
	0.125	2.0	23	0.02	0.3	15	0.5	

*Nb Limited to 30 Deg C for Ecosmart Units. Data based on 10 Deg C Air On temperature.