

Fire Rated Ductwork Construction Requirements					
	Standard	Duration	Stability	Integrity	Fire Insulation
A120	BS EN 1366 pt.8	120 mins	Yes	Yes	90mm
B120	BS EN 1366 pt.1	120 mins	Yes	Yes	90mm
B60	BS EN 1366 pt.8	60 mins	Yes	Yes	60mm

Note: All fire insulation requires to be double thickness for cover strips over flange connections etc along length... ie 80, 120 or 180mm thick insulation.

NOTES:

- This drawing is to be read in conjunction with all relevant drawings, documents & specification.
- Dimensions not to be scaled.
- To be read in conjunction with ventilation schematics for sizing and flow rate.
- To be read in conjunction with all relevant M&E drawings, spec.s and reports.
- Ducts passing through unheated spaces to be insulated to prevent condensation.
- All ductwork passing fire/smoke protected zone to have fire damper.

LEGEND

- Exhaust Air - (EXH)
- Extract Air - (EXT)
- Return Air - (RET)
- Fresh Air - (FRH)
- Supply Air - (EXH)
- Smoke Extract - (SMOKE)
- Flue Pipe - (FLUE)
- Motorised Fire Smoke Damper
- Fire Damper (fusible link)
- Volume Control Damper
- Extract Fan
- Smoke Extract Fan
- Fire Damper
- Motorized Smoke Fire Damper
- Extract Via Bellmouth
- Exhaust Louvre
- Smoke Extract Louvre
- Smoke Extract Via Bellmouth
- Attenuator
- Ductwork Annotation
- System Abbreviation
- Duct Size [mm]
- @ Middle Elevation from FFL [mm]

Rev	Date	Seq	BY	Description
C03	27/10/2022	188	M.Z.	Comments Incorporated
C02	07/07/2022	136	O.S.	Ductwork Type Defined
C01	20/06/2022	129	O.S.	CONSTRUCTION ISSUE
P02	30/05/2022	121	O.S.	Comments Incorporated
P01	04/05/2022	106	O.S.	Preliminary Issue

Client:
SH Reading (phase 1) Limited

Project:
Station Hill, Reading

Drawing area:
BLOCK E
CORE E2

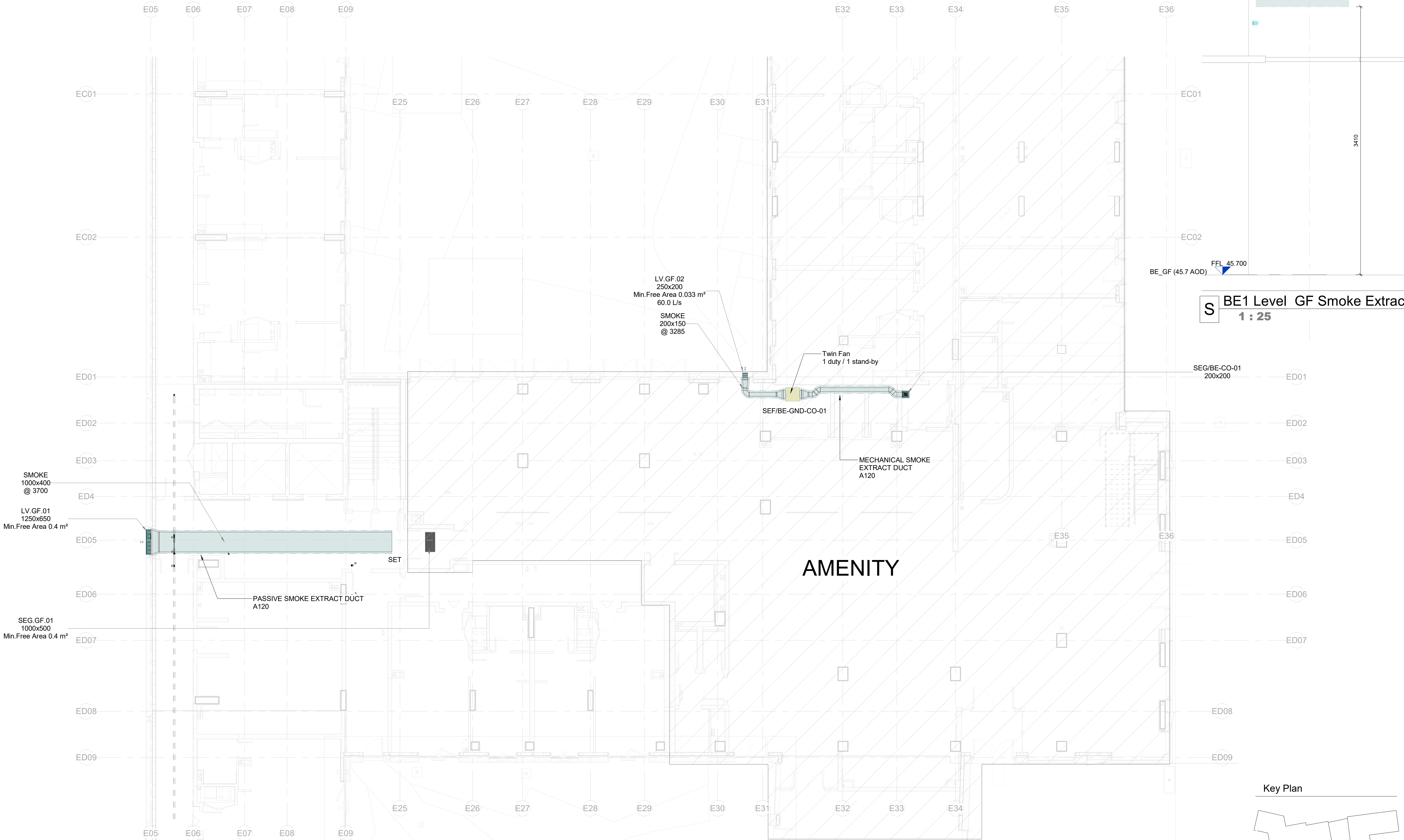
Drawing Title:
VENTILATION LAYOUT

Approved By: A. Sinclair Date: 03/05/2022
Checked By: O. Soykuvvet Scale: As indicated
Drawn By: M.Zalucki Scale: A1

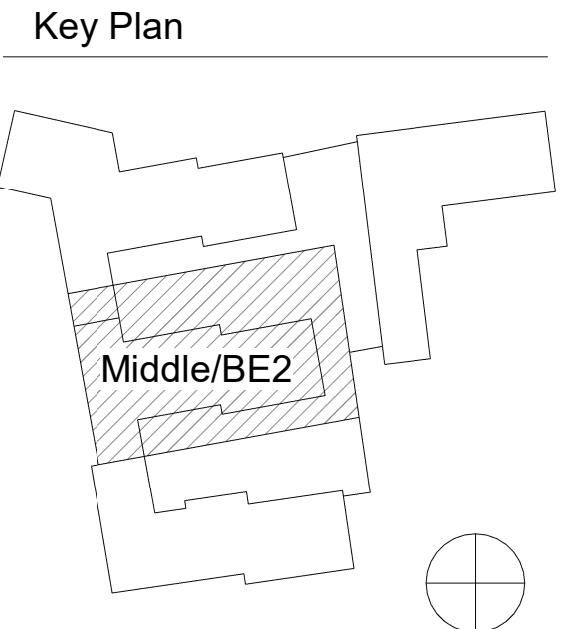
Status:
FOR CONSTRUCTION

Drawing No.
Project - Originator - Volume - Type - Role - Number
SHR-ARK-BE2-GF-DR-M-57-0155

Rev.
C03



1 BE2-GF-DR-M-57
1 : 100



NOTES:

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- To be read in conjunction with all relevant M&E drawings, spec.s and reports.
- Ducts passing through unheated spaces to be insulated to prevent condensation.
- All ductwork passing fire/smoke protected zone to have fire damper.

LEGEND

- Exhaust Air - (EXH)
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- Fresh Air - (FRH)
- Supply Air - (EXH)
- Smoke Extract - (SMOKE)
- Flue Pipe - (FLUE)
- Motorised Fire Smoke Damper
- Fire Damper (fusible link)
- Volume Control Damper
- Extract Fan
- Smoke Extract Fan
- Fire Damper
- Motorized Smoke Fire Damper
- Extract Via Bellmouth
- Exhaust Louvre
- Smoke Extract Louvre
- Smoke Extract Via Bellmouth
- Attenuator

Ductwork Annotation



System Abbreviation
Duct Size [mm]
@ Middle Elevation from FFL [mm]

Rev	Date	Seq	BY	Description
C03	27/10/2022	188	M.Z.	Comments Incorporated
C02	07/07/2022	136	O.S.	Ductwork Type Defined
C01	20/06/2022	129	O.S.	CONSTRUCTION ISSUE
P02	30/05/2022	121	O.S.	Comments Incorporated
P01	04/05/2022	106	O.S.	Preliminary Issue

Client:
SH Reading (phase 1) Limited

Project:
Station Hill, Reading

Drawing area:
BLOCK E
CORE E1

Drawing Title:
VENTILATION LAYOUT

Approved By: **A. Sinclair** Date: **03/05/2022**
Checked By: **O. Soykuvvet** Scale: **As indicated**
Drawn By: **M.Zalucki** Scale: **A1**

Status:
FOR CONSTRUCTION

Drawing No.
Project - Originator - Volume - Type - Role - Number
SHR-ARK-BE1-LG-DR-M-57-0151

Rev.
C03

File Name: SHR-ARK-ZZ-ZZ-CM-V-80-0001 Print Date: 27/10/2022 11:23:15

Fire Rated Ductwork Construction Requirements					
	Standard	Duration	Stability	Integrity	Fire Insulation
A120	BS EN 1366 pt.8	120 mins	Yes	Yes	90mm
B120	BS EN 1366 pt.1	120 mins	Yes	Yes	90mm
B60	BS EN 1366 pt.8	60 mins	Yes	Yes	60mm

Note: All fire insulation requires to be double thickness for cover strips over flange connections etc along length... ie 80, 120 or 180mm thick insulation.

S BE1 Level LG Smoke Extract
1 : 25

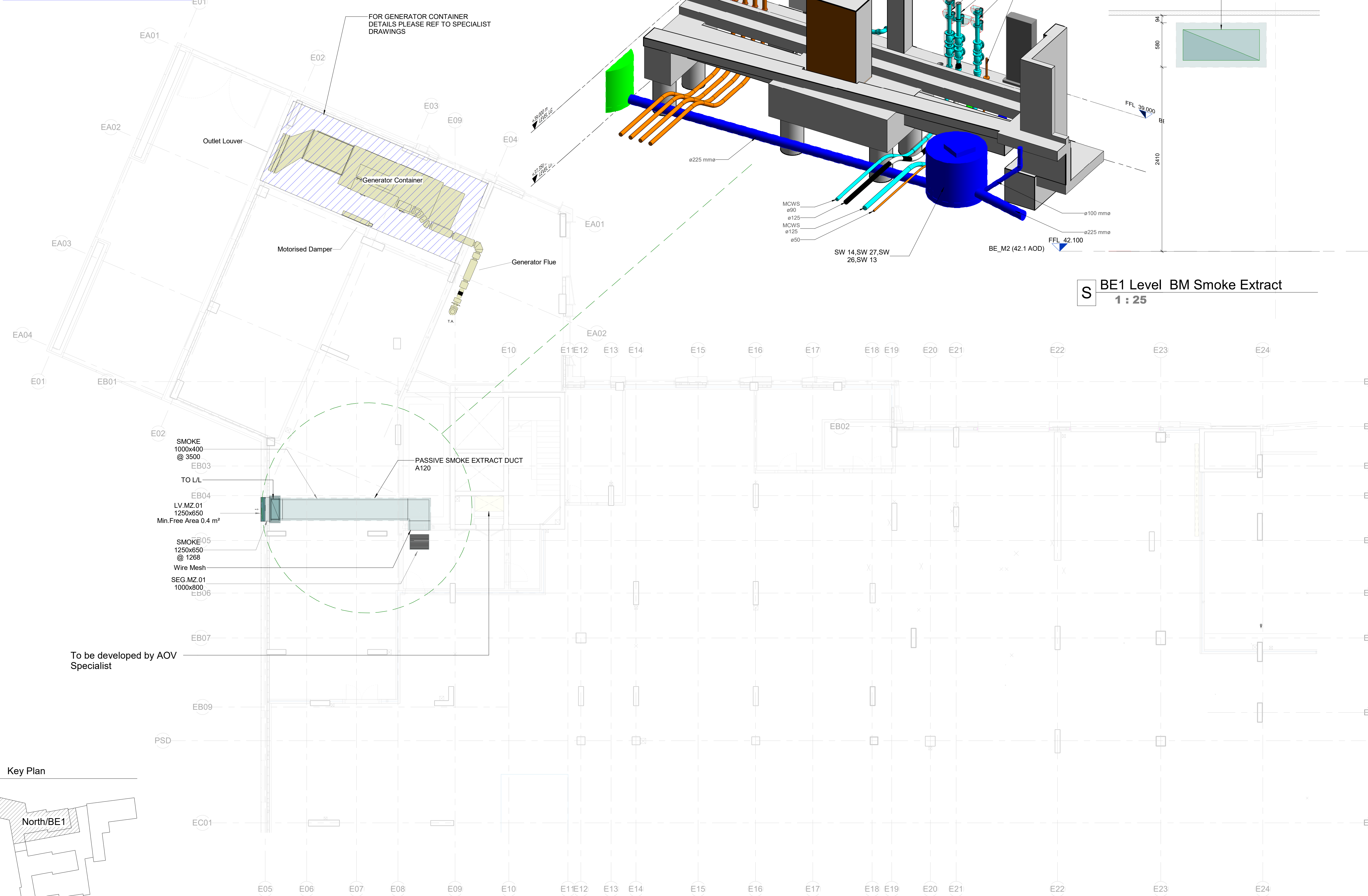
P Floor Plan
1 : 100

Key Plan

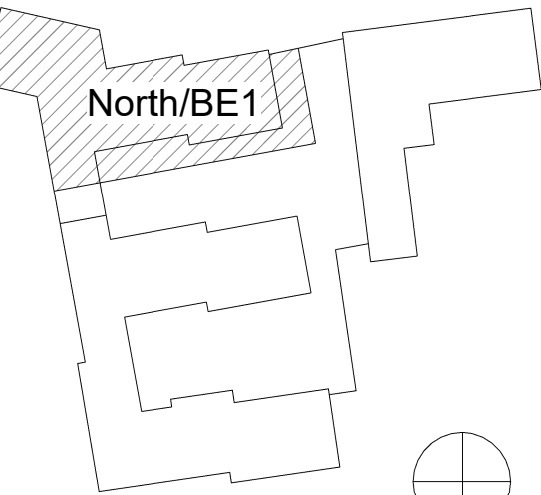
North/BE1

Fire Rated Ductwork Construction Requirements					
	Standard	Duration	Stability	Integrity	Fire Insulation
A120	BS EN 1366 pt.8	120 mins	Yes	Yes	90mm
B120	BS EN 1366 pt.1	120 mins	Yes	Yes	90mm
B60	BS EN 1366 pt.8	60 mins	Yes	Yes	60mm

Note: All fire insulation requires to be double thickness for cover strips over flange connections etc along length... ie 80, 120 or 180mm thick insulation.



Key Plan



P Floor Plan
1 : 100

S BE1 Level BM Smoke Extract
1 : 25



NOTES:

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- Dimensions not to be scaled.
- To be read in conjunction with ventilation schematics for sizing and flow rate.
- To be read in conjunction with all relevant M&E drawings, spec.s and reports.
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LEGEND

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- Smoke Extract Fan
- Fire Damper
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- Extract Via Bellmouth
- Exhaust Louvre
- Smoke Extract Louvre
- Smoke Extract Via Bellmouth
- Attenuator

Ductwork Annotation

System Abbreviation
Duct Size [mm]
@ Middle Elevation from FFL [mm]

Rev	Date	Seq	BY	Description
C03	27/10/2022	188	M.Z.	Comments Incorporated
C02	07/07/2022	136	O.S.	Ductwork Type Defined
C01	20/06/2022	129	O.S.	CONSTRUCTION ISSUE
P02	30/05/2022	121	O.S.	Comments Incorporated
P01	04/05/2022	106	O.S.	Preliminary Issue

Client:
SH Reading (phase 1) Limited

Project:
Station Hill, Reading

Drawing area:
BLOCK E
CORE E1

BASEMENT 1
MEZZAINE

Drawing Title:
VENTILATION LAYOUT

Approved By: A. Sinclair Date: 03/05/2022
Checked By: O. Soykuvvet Scale: As indicated
Drawn By: M.Zalucki Scale: A1

Status:
FOR CONSTRUCTION

Drawing No.
Project - Originator - Volume - Type - Role - Number
SHR-ARK-BE1-B1M-DR-M-57-0152

Details			
Project:	Station Hill, Reading Phase 1	TS Number:	ARK-TS-00052 REV B
		Contract number:	21A00063
Sender:	ARK	Date sent:	12/10/2022
Contact for further information if required:		Name:	Luke Allen
		Phone:	07468695618
		Email:	Luke.allen2@arkme.co.uk
Subcontractor:		Ark M&E	
Specified product:		N/A	
Proposed product:		Elta Fans	
Product Specification/Technical Data:		Attached	
Manufacturer:		Elta Fans	
Supplier:		Elta Fans	
Batch number/other Identification:		N/A	
Planned date for inclusion to the works:		N/A	
Part of works element:		Bin Store Extract Systems and Mechanical extract for life safety systems in lieu of passive ventillation.	
Contract specification:		Hoare Lea Volume 4 – Equipment Schedule C02 – January 2020	
Drawing Reference:		N/A	
Deviation from current Specification:		N/A	
Attachments			
Test Certs:			
Technical Literature:			
Samples:			
Subcontract Comments			
Midgard Comments			

Designer Comments			
Client Comments			
Client Monitoring Team (CMT) Approval Status			
Approval Status: A ☐ Submission reviewed and accepted B ☐ Submission reviewed and accepted subject to incorporation of comments C ☐ Submission reviewed and rejected N ☐ Submission reviewed and no longer relevant or required Comments: (enter 'no comment' if applicable) Click here to enter text.			
Approval			
Designer			
Name:		Company:	
Signature:		Date:	
Client			
Name:		Company:	
Signature:		Date:	

ATTENUATOR SCHEDULE

Item	System Reference	Code	Suffix	DWG	L1	L2/ID	W	H/Dia	Vol	PD	Wt	No.		Performance, dB							
					mm	mm	mm	mm	m ³ /s	Pa	kg	Off.		63	125	250	500	1k	2k	4k	8k
1	FN-LG-01	SL	GJ	A02G	600		700	300	1.03	21	29	1	IL	2	5	9	18	26	21	18	11
2	FN-LG-03	SL	GJ	A02G	600		400	250	0.34	25	19	1	IL	3	7	11	19	33	29	26	15
3	FN-GF-02	SL	GJ	A02G	600		500	300	0.278	5	22	1	IL	2	5	9	18	26	21	18	11
4	FN-M-01	SL	GJ	A02G	600		400	300	0.4	10	20	1	IL	2	5	9	18	26	21	18	11
5	FN-M-02	SL	GJ	A02G	900		700	300	0.833	15	37	1	IL	3	7	13	26	37	30	26	16

NOTES

LABEL WITH ITEM NO. & SYSTEM REF.

IL = INSERTION LOSS (dB)

G - SELF FINISH PRE-GALVANISED STEEL CONSTRUCTION.

J - SPLITTERS ARRANGED HORIZONTALLY.

ATTENUATORS DELIVERED WITH POLYTHENE BLOCKED ENDS

DATA SHEET A02g

RECTANGULAR ATTENUATOR

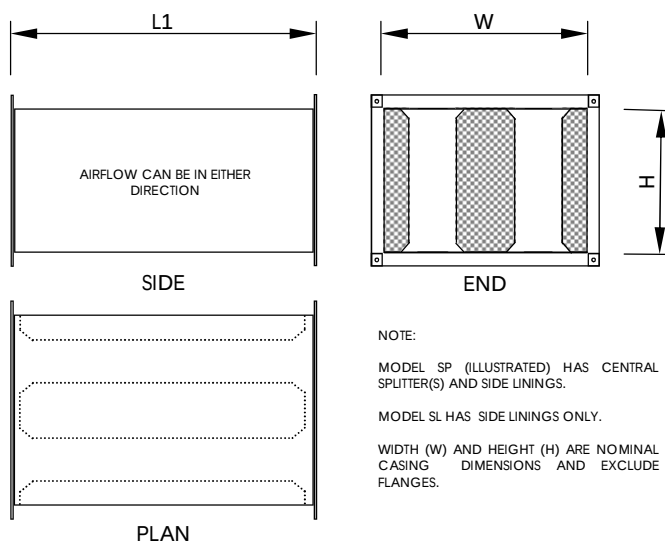
FLANGED

MODEL SP / MODEL SL



THIS IS NOT A STAND ALONE DOCUMENT AND UNLESS REFERRED TO IN A DATED EQUIPMENT SCHEDULE IS SUBJECT TO REVISION WITHOUT NOTICE.

DIMENSIONS



SPECIFICATION

ATTENUATORS ARE CONSTRUCTED IN ACCORDANCE WITH DW 144 SPECIFICATION FOR MEDIUM PRESSURE (CLASS B) DUCTWORK.

CASES ARE STIFFENED AND FITTED WITH PROPRIETARY FLANGES.

MODEL SP - HAS SOUND ABSORBENT SPLITTERS ARRANGED VERTICALLY WITHIN THE CASING TO FORM A SERIES OF CENTRAL ELEMENTS AND SIDE LININGS.

MODEL SL - HAS SOUND ABSORBENT SPLITTERS ARRANGED VERTICALLY WITHIN THE CASING TO FORM SIDE LININGS ONLY.

SPLITTERS AND SIDE LININGS CONTAIN A SOUND ABSORBENT INFILL THAT IS ENCAPSULATED WITH GLASS CLOTH AND PLAIN/PERFORATED STEEL.

SPLITTERS HAVE AERODYNAMIC FAIRINGS AT EACH END.

NOTES

THIS DATA SHEET IS TO BE READ IN CONJUNCTION WITH THE EQUIPMENT SCHEDULE.

LARGER ATTENUATORS WILL BE OF MODULAR CONSTRUCTION FOR EASE OF HANDLING AND MAY BE SPLIT ON THE LENGTH, WIDTH, HEIGHT OR COMBINATION THEREOF (SEE DATA SHEET A09 FOR DETAILS).

ATTENUATORS WILL BE SUPPLIED WITHOUT SUPPORT STEELWORK, BRACKETS, FIXINGS, GASKET, MASTIC OR OTHER SUCH ITEMS, UNLESS OTHERWISE STATED.

IT IS THE INSTALLERS RESPONSIBILITY TO PROVIDE THE FLANGE SEAL TO THE CONNECTING DUCT.

INSERTION LOSS, PRESSURE LOSS AND FLOW NOISE ARE DERIVED FROM TESTS CARRIED OUT IN ACCORDANCE WITH ISO 7235 AND MAY VARY DEPENDING ON INSTALLED CONDITIONS.

MANUFACTURING DIMENSIONAL TOLERANCE < 1.0 %.

SUFFIX

THE SUFFIX TO THE ATTENUATOR MODEL DEFINES THE MATERIAL OF FABRICATION AND ANY ADDITIONAL FEATURES OR SPECIAL CONSTRUCTIONAL DETAILS.

G - PRE-GALVANISED STEEL CONSTRUCTION.

S - GRADE 316 STAINLESS STEEL CONSTRUCTION.

H1 - HIGH TEMPERATURE APPLICATION (2 HOUR/300°C).

D - DOUBLE SKIN CASING (CASING SIZE W+50 x H+50).

C - HIGH PRESSURE APPLICATION (DW 144, CLASS C).

K - PROTECTIVE PAINT FINISH TO VISIBLE INTERNAL METAL SURFACES.

J - SPLITTERS AND/OR SIDE LININGS ARRANGED HORIZONTALLY.

M - MELINEX ENCAPSULATED INFILL.

Z(***) - MODULAR CONSTRUCTION (SEE DATA SHEET A09 FOR DETAILS).

X - SPECIAL CONSTRUCTION, REFER TO EQUIPMENT SCHEDULE FOR DETAILS.

FLANGE DETAILS

ATTENUATORS ARE FITTED WITH 30 mm PROFILE FLANGES COMPLYING WITH DW144 AND DW/TM1.

STANDARD SIZES

LENGTH (L1) - 600, 900, 1200, 1500, 1800, 2100, 2400, 2700, & 3000 mm.

WIDTH (W) - ANY DIMENSION ABOVE 149 mm.

HEIGHT (H) - ANY DIMENSION ABOVE 99 mm.

ALL ATTENUATORS ARE MADE TO ORDER.

NON STANDARD ATTENUATORS ARE AVAILABLE.

WEIGHT

WEIGHTS ARE GIVEN ON THE EQUIPMENT SCHEDULE.

MODULAR CONSTRUCTION

ATTENUATORS MANUFACTURED IN ONE SECTION WILL HAVE NO "Z" SUFFIX IN THE CODE.

WHEN ATTENUATORS ARE SUPPLIED IN MODULAR FORM, THE ACTUAL NUMBER OF SECTIONS IN THE LENGTH, WIDTH AND HEIGHT DEFINED BY THE "Z" SUFFIX. REFER TO DATA SHEET A09 FOR DETAILS.

Z

#

#

#

A "Z" SUFFIX IN THE ATTENUATOR CODE DENOTES THAT THE ATTENUATOR WILL BE SUPPLIED IN MODULES.

NUMBER OF MODULES IN LENGTH.

NUMBER OF MODULES IN WIDTH.

NUMBER OF MODULES IN HEIGHT.



Represented by:
ELTA FANS LTD (BUILDING SERVICES)
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 46 Third Avenue, Pensnett Trading Estate, Kingswinford, West Midlands DY6 7US, UK
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Quotation 50K-0822-046 Fans

Project: Station Hill Reading

Date: 02/08/2022

Consulting Engineer:

Location	FN-LG-01	FN-LG-03	FN-M-01
Designation			
Catalogue Code	STDL500-3EC (5.7 speed)	STDL315-1EC (5.3 speed)	STDL400-1EC (6.1 speed)
Description	Centrifugal Twin Box	Centrifugal Twin Box	Centrifugal Twin Box
Nominal Diameter (mm)	500	315	400
Hub Size (mm)	-	-	-
Impeller	Centrifugal	Centrifugal	Centrifugal
Notes			
Volume (m³/s)	1.03	0.34	0.40
Static Pressure (Pa)	120	100	270
ABS/LL Power (kW)	0.00 / 0.00	0.00 / 0.00	0.00 / 0.00
Fan Speed (r/min)	974	1349	1171
FMEG/SFP	0 (Integrated) / 0.44	0 (Integrated) / 0.47	0 (Integrated) / 0.82
Sound Pressure (dB(A))	53 @ 3m	53 @ 3m	52 @ 3m
Fan Weight (kg)	132.0	61.0	112.0
Motor Power	1.00kW	0.00kW	0.00kW
Electrical Supply	400V 3ph 50Hz	230V 1ph 50Hz	230V 1ph 50Hz
FLC/Start (A)	2.00 / 2.00	0.00 / 0.00	0.00 / 0.00
Motor Frame			
Motor Type			
Motor Speed	-	-	-
Number off			
Price Per Unit			
Total			
Price Extras, Ancillary Equipment and Special Features			
Flex Collar / Clamp	(018-500-C..) 2 x	(018-315-C..) 2 x	(018-400-C..) 2 x
Anti Vibration Mounts	(062-SEL05) 4 x	(062-SEL04) 4 x	(062-SEL05) 4 x
Controllers	(149-POT-1..) 1 x	(149-POT-1..) 1 x	(149-POT-1..) 1 x
Matching Flange	-	-	-
Mounting Feet / Kit	-	-	-
Dampers & Shutters (0.3)	-	-	-
Total Ancillaries (Only)			



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Quotation 50K-0822-046 Fans

Project: Station Hill Reading

Date: 02/08/2022

Consulting Engineer:

Notes: Smoke fans to EN12101-3:2015 (2797-CPR-493001) suitable for once-only use at 300°C for 2 hours as well as continuous use at ambient (subject to ErP requirements). Motor Class H - TEAO - IP55. Construction: Casing - mild steel hot-dip galvanised; Impeller - aluminium.

Location	FN-M-02	FN-GF-02	FN-M-07
Designation			
Catalogue Code	STD400-1EC (6.6 speed)	STD400-1EC (5.2 speed)	LCS035J2-A6/10
Description	Centrifugal Twin Box	Centrifugal Twin Box	Long-Cased Smoke
Nominal Diameter (mm)	400	400	355
Hub Size (mm)	-	-	131
Impeller	Centrifugal	Centrifugal	Axial, Aluminium
Notes			

Volume (m³/s)	0.83	0.28	0.31
Static Pressure (Pa)	100	213	200
ABS/LL Power (kW)	0.00 / 0.00	0.00 / 0.00	0.38 / 0.39
Fan Speed (r/min)	1267	998	2880
FMEG/SFP	0 (Integrated) / 0.49	0 (Integrated) / 0.71	39 (VSD) / 1.59
Sound Pressure (dB(A))	53 @ 3m	50 @ 3m	71 @ 3m
Fan Weight (kg)	112.0	112.0	30.4

Motor Power	0.00kW	0.00kW	0.90kW (AOM)
Electrical Supply	230V 1ph 50Hz	230V 1ph 50Hz	400V 3ph 50Hz
FLC/Start (A)	0.00 / 0.00	0.00 / 0.00	1.94 / 12.25 (DOL)
Motor Frame			80
Motor Type			F300 (IE3)
Motor Speed	-	-	2 pole

Number off
 Price Per Unit
 Total

Price Extras, Ancillary Equipment and Special Features

Flex Collar / Clamp	(018-400-C..) 2 x	-	(063-0355-..) 2 x
Anti Vibration Mounts	(062-SEL05) 4 x	-	(062-ES15-20) 4 x
Controllers	(149-POT-1..) 1 x	-	(149-SVFD..) 1 x
Matching Flange	-	-	(061B-0355) 2 x
Mounting Feet / Kit	-	-	(060Z-0355) 2 x
Dampers & Shutters (0.3)	-	-	(019-0355..) 1 x
Total Ancillaries (Only)	£		

Total Including Ancillaries



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Quotation 50K-0822-046 Fans

Project: Station Hill Reading

Date: 02/08/2022

Consulting Engineer:

Notes: Smoke fans to EN12101-3:2015 (2797-CPR-493001) suitable for once-only use at 300°C for 2 hours as well as continuous use at ambient (subject to ErP requirements). Motor Class H - TEAO - IP55. Construction: Casing - mild steel hot-dip galvanised; Impeller - aluminium.

Location Designation	FN-GF-01	FN-L1-01	FN-L10-01
Catalogue Code	LCS031J4-A3/10	LCS031J4-A3/10	SEM315/2-1AC (Med speed)
Description	Long-Cased Smoke	Long-Cased Smoke	Multiflow SEM AC
Nominal Diameter (mm)	315	315	315
Hub Size (mm)	131	131	-
Impeller	Axial, Aluminium	Axial, Aluminium	Mixed Flow
Notes			
Volume (m³/s)	0.06	0.04	0.23
Static Pressure (Pa)	50	30	350
ABS/LL Power (kW)	0.02 / 0.02	0.02 / 0.02	0.00 / 0.00
Fan Speed (r/min)	1440	1440	2415
FMEG/SFP	17 (VSD) /2.24	17 (VSD) /3.84	67/1.20
Sound Pressure (dB(A))	45 @ 3m	45 @ 3m	56 @ 3m
Fan Weight (kg)	24.1	24.1	12.4
Motor Power	0.66kW (AOM)	0.66kW (AOM)	0.44kW
Electrical Supply	400V 3ph 50Hz	400V 3ph 50Hz	230V 1ph 50Hz
FLC/Start (A)	1.42 / 8.08 (DOL)	1.42 / 8.08 (DOL)	0.00 / 0.00
Motor Frame	80	80	
Motor Type	F300 (IE3)	F300 (IE3)	
Motor Speed	4 pole	4 pole	2 pole
Number off	2	2	1
Price Per Unit			
Total			
Price Extras, Ancillary Equipment and Special Features			
Flex Collar / Clamp	(063-0315-..) 2 x	(063-0315-..) 2 x	(018-315-C..) 2 x
Anti Vibration Mounts	(062-ES15-20) 4 x	(062-ES15-20) 4 x	-
Controllers	(149-SVFD..) 1 x	(149-SVFD..) 1 x	(149-MTS10) 1 x
Matching Flange	(061B-0315) 2 x	(061B-0315) 2 x	-
Mounting Feet / Kit	(060Z-0315) 2 x	(060Z-0315) 2 x	-
Dampers & Shutters (0.3)	(019-0315..) 1 x	(019-0315..) 1 x	-
Total Ancillaries (Only)			
Total Including Ancillaries			



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Quotation 50K-0822-046

Schedule - Fans

Project: Station Hill Reading

Date: 02/08/2022

Consulting Engineer:

Location	Designation	Catalogue No.	Description	Qty.	Vol. (m³/s)	Press (Pa)	Speed (r/min)	Wgt (kg)	Motor Power	Motor Type	Electrical Supply	Inlet	Sound Spectra(dBW)	63	125	250	500	1K	2K	4K	8K	SPL (dBA)
FN-LG-01		STD500-3EC (5.7 speed)	Centrifugal Twin Box	1	1.03	120	974	132.0	1.00kW		400V 3ph 50Hz	79	82	77	69	63	64	59	52			53@ 3m
FN-LG-03		STD315-1EC (5.3 speed)	Centrifugal Twin Box	1	0.34	100	1349	61.0	0.00kW		230V 1ph 50Hz	78	87	75	64	63	57	54	47			53@ 3m
FN-M-01		STD400-1EC (6.1 speed)	Centrifugal Twin Box	1	0.40	270	1171	112.0	0.00kW		230V 1ph 50Hz	80	83	77	67	61	61	59	52			52@ 3m
FN-M-02		STD400-1EC (6.6 speed)	Centrifugal Twin Box	1	0.83	100	1267	112.0	0.00kW		230V 1ph 50Hz	81	83	79	69	62	62	61	54			53@ 3m
FN-GF-02		STD400-1EC (5.2 speed)	Centrifugal Twin Box	1	0.28	213	998	112.0	0.00kW		230V 1ph 50Hz	78	83	72	64	59	59	57	47			50@ 3m
FN-M-07		LCS035J2-A6/10	Long-Cased Smoke	2	0.31	200	2880	30.4	0.90kW (AOM)	F300 (IE3)	400V 3ph 50Hz	86	89	97	88	85	80	73	67			71@ 3m
FN-GF-01		LCS031J4-A3/10	Long-Cased Smoke	2	0.06	50	1440	24.1	0.66kW (AOM)	F300 (IE3)	400V 3ph 50Hz	70	72	69	61	61	55	52	46			45@ 3m
FN-L1-01		LCS031J4-A3/10	Long-Cased Smoke	2	0.04	30	1440	24.1	0.66kW (AOM)	F300 (IE3)	400V 3ph 50Hz	70	72	69	61	61	55	52	46			45@ 3m
FN-L10-01		SEM315/2-1AC (Med speed)	Multiflow SEM AC	1	0.23	350	2415	12.4	0.44kW		230V 1ph 50Hz	44	60	67	73	72	70	67	58			56@ 3m

Technical Data - Fan Model STDL500-3EC (5.7 speed)

Location: FN-LG-01

Designation:

Performance - Required

Air Flow : 1.03 m³/s
 Static Pressure : 120 Pa
 Selection Pressure: 120 Pa
 Installation Type: n/a
 Air Density: 1.204 kg/m³
 - Atmos. Temp: 20 °C
 - Altitude: 0 m
 - Humidity: 0.0 %

Actual

Air Flow: 1.04 m³/s
 Static Pressure: 121 Pa
 Total Pressure: 138 Pa

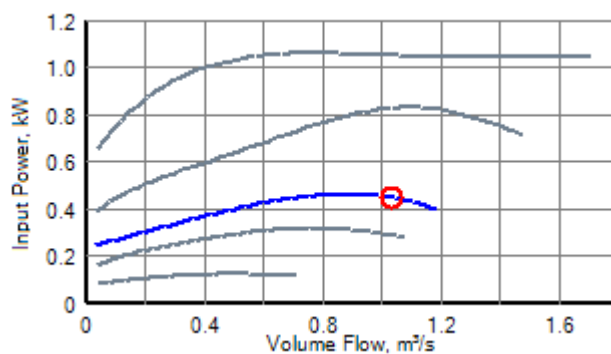
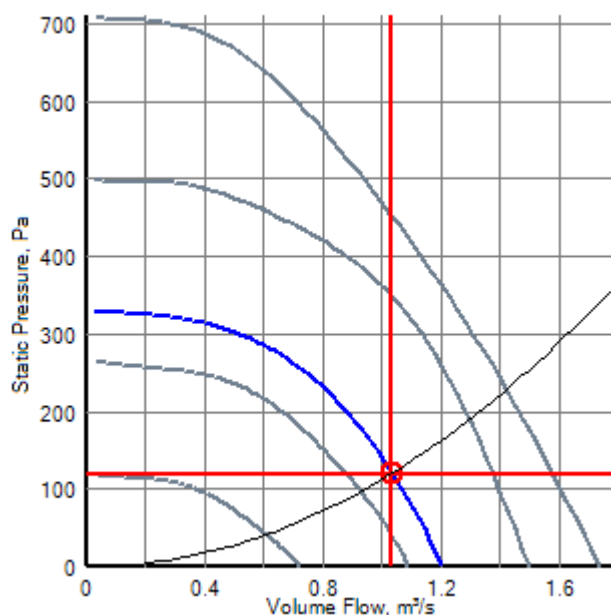
Fan Data

Catalogue Code: STDL500-3EC (5.7 speed)
 Description: Centrifugal Twin Box

Diameter: 500 mm
 Impeller Type: Centrifugal
 Blade Material: -
 Speed: 974 r/min @50 Hz
 Power, Abs: -
 Input Power: 0.45 kW
 Efficiency Total: -
 SFP: 0.44
 Fan Weight: 132.0 kg

Motor Data (at STP)

Motor Type: -
 Electrical Supply: 400V 3ph 50Hz
 Motor Frame: -
 Motor Power: 1.00kW
 FLC/Start: 2.00A / 2.00A
 Motor Speed: -
 Motor Efficiency: -



Sound Data

Spectrum (Hz):	63	125	250	500	1K	2K	4K	8K	dBW	dB(A) @ 3m
Inlet (dB):	79	82	77	69	63	64	59	52	85	53
Outlet (dB):	79	81	73	71	68	67	64	56	84	54
Breakout (dB):	68	67	62	55	47	43	37	27	71	37

Sound levels are quoted as in-duct values. dB(A) values are average spherical free-field for comparative use only.



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Technical Data - Fan Model STDL500-3EC (5.7 speed)

Location: FN-LG-01

Designation:

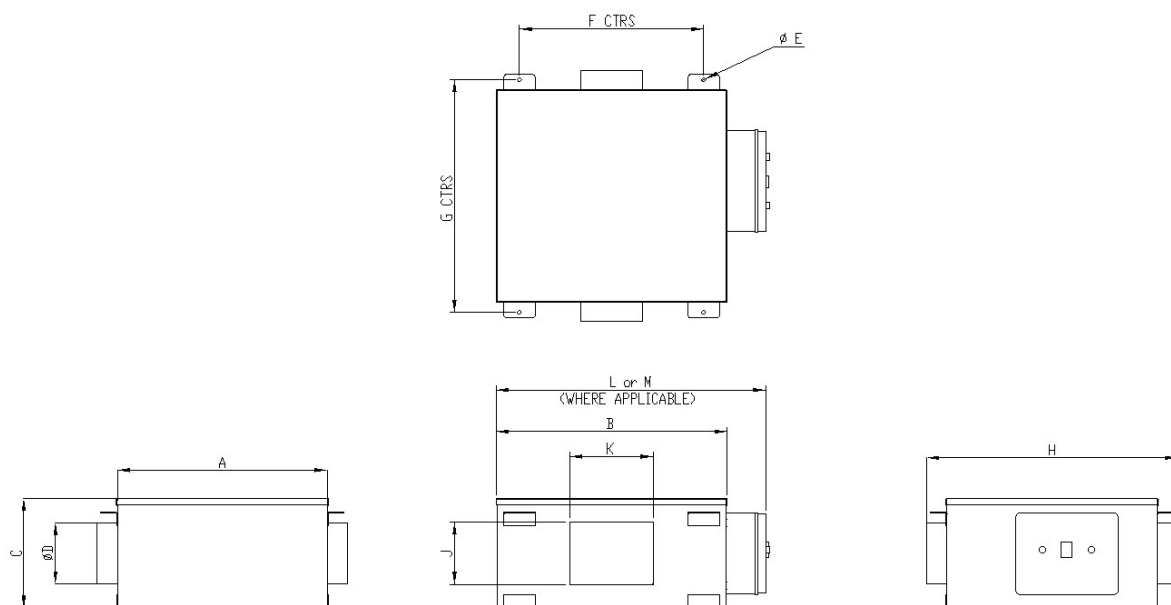
Energy Related Product Data

Typology:	NRVU, UVU	Drive Type:	Variable-Speed
HRS Type:	None	Thermal Efficiency:	n/a%
Nom. Flow Rate:	0.99 m ³ /s	Effective Input Power:	1.055 kW
SFP int:	1066 W/(m ³ /s)	Face Velocity:	5.04 m/s
Nom. Ext. Pressure:	474 Pa	Casing Sound Power:	53 dB(A)
Internal Pressure:	n/a	Int. Pressure (non-vent):	n/a
Static Efficiency:	48.4%	Max. External Leakage:	2%
Energy Performance of Filters:	n/a		
Visual Filter Warning Details:	n/a		
Disassembly Instructions:	http://www.eltafans.com		

Drawing for Fan Model STDL500-3EC

Product Code	A	B	C	D	E	F	G	H	J*	K*	L (W/ STANDARD BOX)	M (W/ DCV)
STD125	504	554	263	122	10	442	559	601	148	198	B + 96	B + 88
STD150	504	554	263	147		442	559	601	148	198		
STD200	574	698	334	197		587	629	669	204	204		
STD250	574	698	334	247		587	629	669	254	254		
STD315	759	866	411	312		730	815	855	348	378		
STD400	917	1064	551	397		928	973	1012	448	598		
STD500	1060	1212	602	497		1077	1116	1156	498	598		

* Rectangular Spigot Version



Technical Data - Fan Model STDL315-1EC (5.3 speed)

Location: FN-LG-03

Designation:

Performance - Required

Air Flow : 0.34 m³/s
 Static Pressure : 100 Pa
 Selection Pressure: 100 Pa
 Installation Type: n/a
 Air Density: 1.204 kg/m³
 - Atmos. Temp: 20 °C
 - Altitude: 0 m
 - Humidity: 0.0 %

Actual

Air Flow: 0.34 m³/s
 Static Pressure: 102 Pa
 Total Pressure: 113 Pa

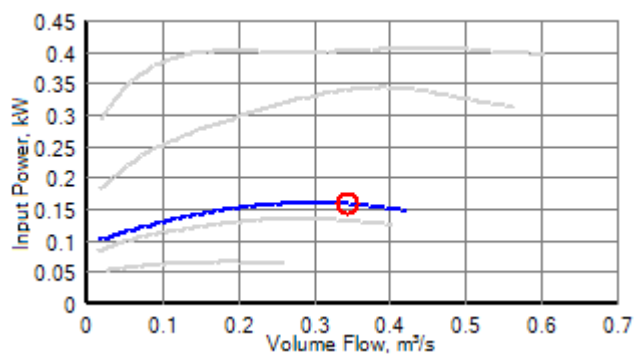
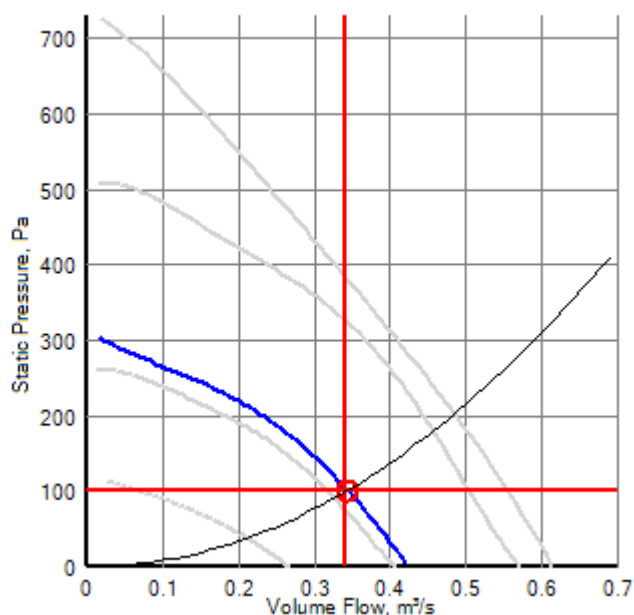
Fan Data

Catalogue Code: STDL315-1EC (5.3 speed)
 Description: Centrifugal Twin Box

Diameter: 315 mm
 Impeller Type: Centrifugal
 Blade Material: -
 Speed: 1349 r/min @50 Hz
 Power, Abs: -
 Input Power: 0.16 kW
 Efficiency Total: -
 SFP: 0.47
 Fan Weight: 61.0 kg

Motor Data (at STP)

Motor Type:
 Electrical Supply: 230V 1ph 50Hz
 Motor Frame:
 Motor Power: 0.00kW
 FLC/Start: -A / -
 Motor Speed: -
 Motor Efficiency: -



Sound Data

Spectrum (Hz):	63	125	250	500	1K	2K	4K	8K	dBW	dB(A) @ 3m
Inlet (dB):	78	87	75	64	63	57	54	47	88	53
Outlet (dB):	78	83	72	67	64	58	53	45	85	51
Breakout (dB):	59	76	57	52	45	38	33	28	76	40

Sound levels are quoted as in-duct values. dB(A) values are average spherical free-field for comparative use only.



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Technical Data - Fan Model STDL315-1EC (5.3 speed)

Location: FN-LG-03

Designation:

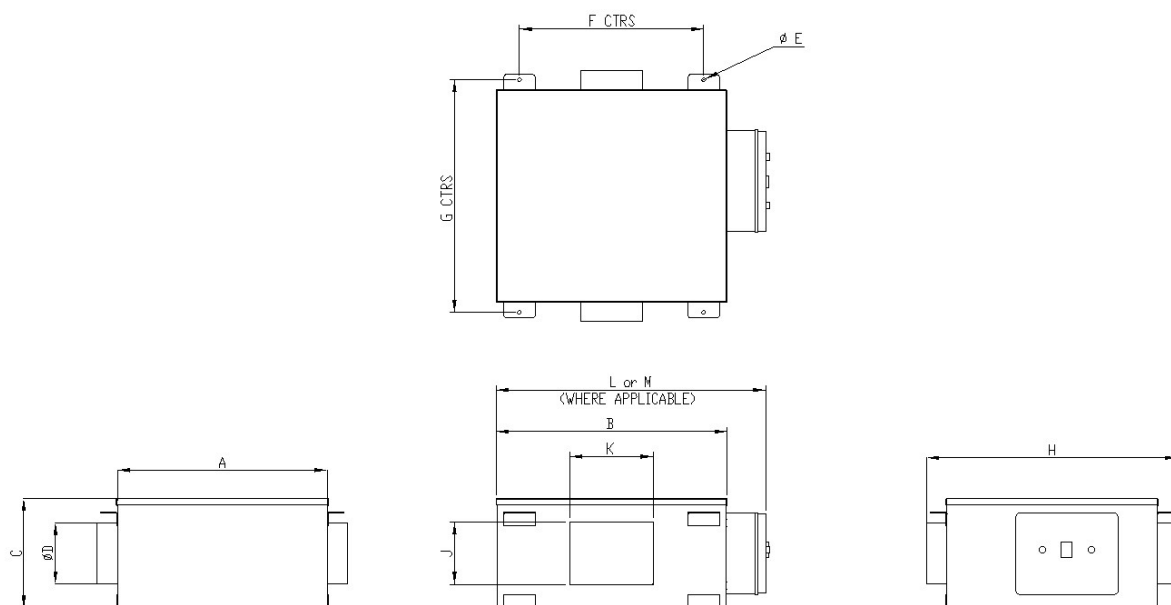
Energy Related Product Data

Typology:	NRVU, UVU	Drive Type:	Variable-Speed
HRS Type:	None	Thermal Efficiency:	n/a%
Nom. Flow Rate:	0.33 m ³ /s	Effective Input Power:	0.401 kW
SFP int:	1232 W/(m ³ /s)	Face Velocity:	4.23 m/s
Nom. Ext. Pressure:	402 Pa	Casing Sound Power:	53 dB(A)
Internal Pressure:	n/a	Int. Pressure (non-vent):	n/a
Static Efficiency:	36.4%	Max. External Leakage:	2%
Energy Performance of Filters:	n/a		
Visual Filter Warning Details:	n/a		
Disassembly Instructions:	http://www.eltafans.com		

Drawing for Fan Model STDL315-1EC

Product Code	A	B	C	D	E	F	G	H	J*	K*	L (W/ STANDARD BOX)	M (W/ DCV)
STDL125	504	554	263	122	10	442	559	601	148	198	B + 96	B + 88
STDL150	504	554	263	147		442	559	601	148	198		
STDL200	574	698	334	197		587	629	669	204	204		
STDL250	574	698	334	247		587	629	669	254	254		
STDL315	759	866	411	312		730	815	855	348	378		
STDL400	917	1064	551	397		928	973	1012	448	598		
STDL500	1060	1212	602	497		1077	1116	1156	498	598		

* Rectangular Spigot Version



Technical Data - Fan Model STDL400-1EC (6.1 speed)

Location: FN-M-01

Designation:

Performance - Required

Air Flow : 0.40 m³/s
 Static Pressure : 270 Pa
 Selection Pressure: 270 Pa
 Installation Type: n/a
 Air Density: 1.204 kg/m³
 - Atmos. Temp: 20 °C
 - Altitude: 0 m
 - Humidity: 0.0 %

Actual

Air Flow: 0.41 m³/s
 Static Pressure: 281 Pa
 Total Pressure: 288 Pa

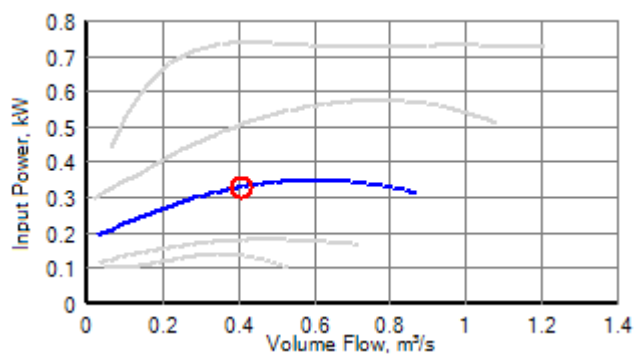
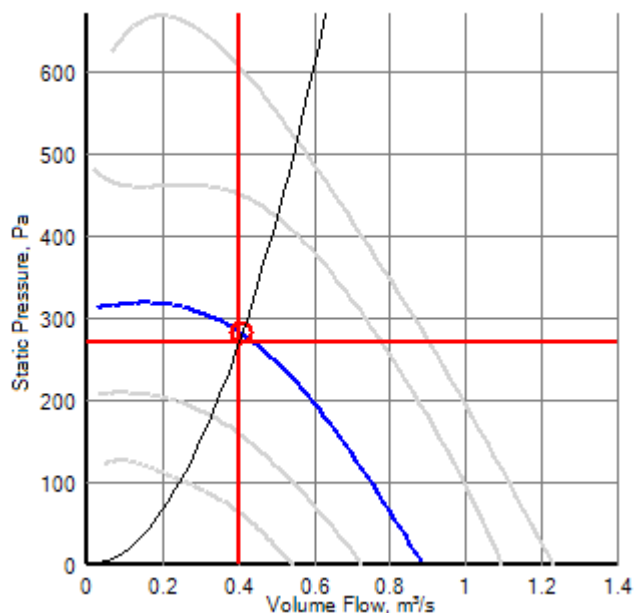
Fan Data

Catalogue Code: STDL400-1EC (6.1 speed)
 Description: Centrifugal Twin Box

Diameter: 400 mm
 Impeller Type: Centrifugal
 Blade Material: -
 Speed: 1171 r/min @50 Hz
 Power, Abs: -
 Input Power: 0.33 kW
 Efficiency Total: -
 SFP: 0.82
 Fan Weight: 112.0 kg

Motor Data (at STP)

Motor Type:
 Electrical Supply: 230V 1ph 50Hz
 Motor Frame:
 Motor Power: 0.00kW
 FLC/Start: -A / -
 Motor Speed: -
 Motor Efficiency: -



Sound Data

Spectrum (Hz):	63	125	250	500	1K	2K	4K	8K	dBW	dB(A) @ 3m
Inlet (dB):	80	83	77	67	61	61	59	52	86	52
Outlet (dB):	82	82	75	71	66	64	60	51	86	53
Breakout (dB):	58	67	64	62	47	42	39	32	70	41

Sound levels are quoted as in-duct values. dB(A) values are average spherical free-field for comparative use only.



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Technical Data - Fan Model STDL400-1EC (6.1 speed)

Location: FN-M-01

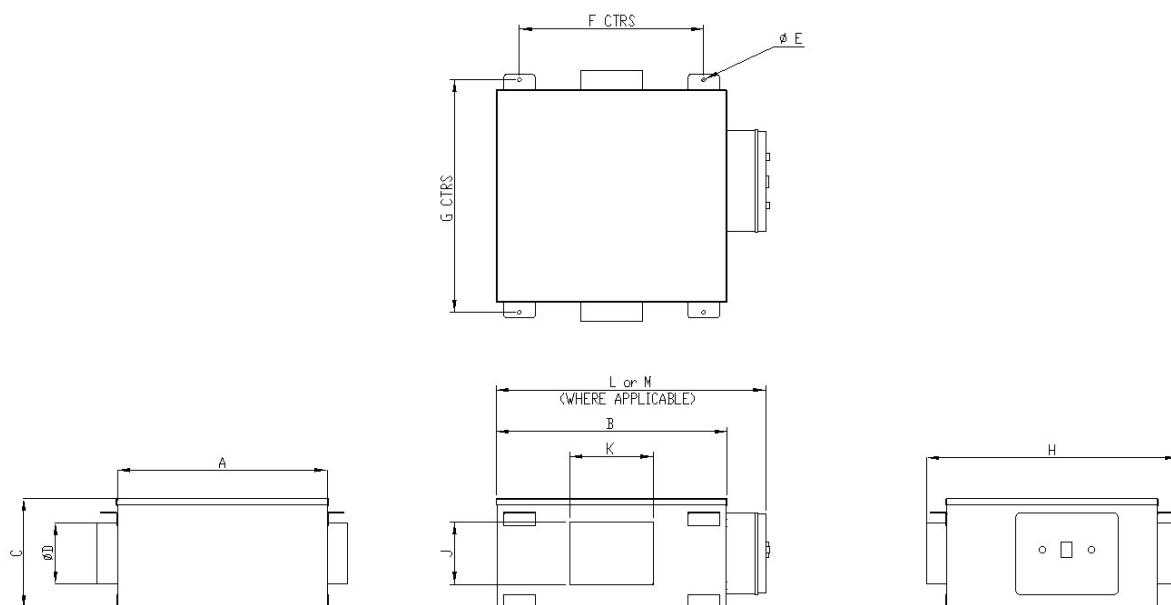
Designation:

Energy Related Product Data

Typology:	NRVU, UVU	Drive Type:	Variable-Speed
HRS Type:	None	Thermal Efficiency:	n/a%
Nom. Flow Rate:	0.66 m ³ /s	Effective Input Power:	0.726 kW
SFP int:	1099 W/(m ³ /s)	Face Velocity:	5.25 m/s
Nom. Ext. Pressure:	445 Pa	Casing Sound Power:	52 dB(A)
Internal Pressure:	n/a	Int. Pressure (non-vent):	n/a
Static Efficiency:	44.4%	Max. External Leakage:	2%
Energy Performance of Filters:	n/a		
Visual Filter Warning Details:	n/a		
Disassembly Instructions:	http://www.eltafans.com		

Drawing for Fan Model STDL400-1EC

Product Code	A	B	C	D	E	F	G	H	J*	K*	L (W/ STANDARD BOX)	M (W/ DCV)
STD125	504	554	263	122	10	442	559	601	148	198	B + 96	B + 88
STD150	504	554	263	147		442	559	601	148	198		
STD200	574	698	334	197		587	629	669	204	204		
STD250	574	698	334	247		587	629	669	254	254		
STD315	759	866	411	312		730	815	855	348	378		
STD400	917	1064	551	397		928	973	1012	448	598		
STD500	1060	1212	602	497		1077	1116	1156	498	598		
* Rectangular Spigot Version												





Technical Data - Fan Model STDL400-1EC (6.6 speed)

Location: FN-M-02

Designation:

Performance - Required

Air Flow : 0.83 m³/s
Static Pressure : 100 Pa
Selection Pressure: 100 Pa
Installation Type: n/a
Air Density: 1.204 kg/m³
- Atmos. Temp: 20 °C
- Altitude: 0 m
- Humidity: 0.0 %

Actual

Air Flow: 0.84 m³/s
Static Pressure: 101 Pa
Total Pressure: 128 Pa

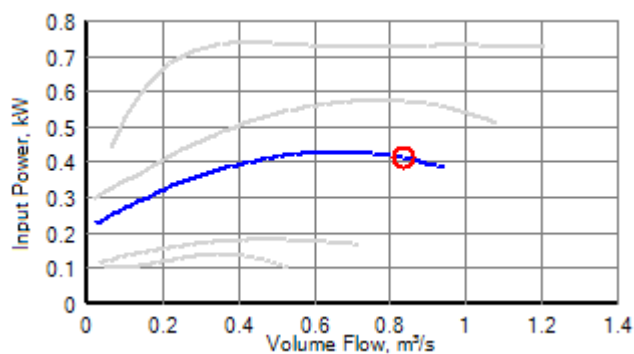
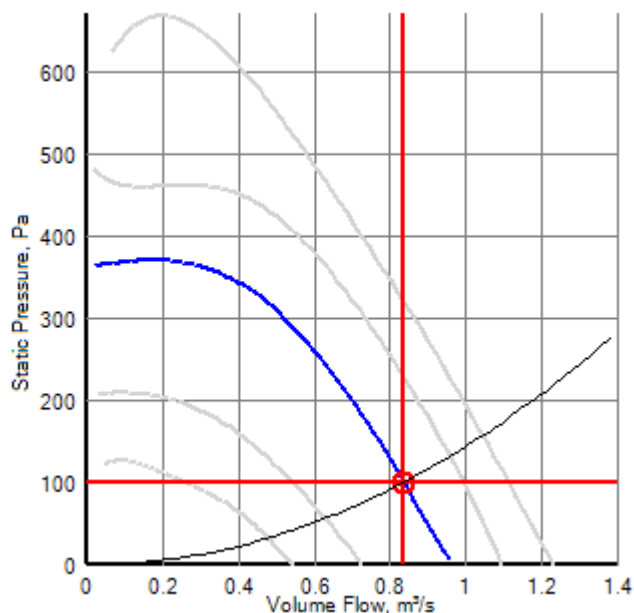
Fan Data

Catalogue Code: STDL400-1EC (6.6 speed)
Description: Centrifugal Twin Box

Diameter: 400 mm
Impeller Type: Centrifugal
Blade Material: -
Speed: 1267 r/min @50 Hz
Power, Abs: -
Input Power: 0.41 kW
Efficiency Total: -
SFP: 0.49
Fan Weight: 112.0 kg

Motor Data (at STP)

Motor Type: -
Electrical Supply: 230V 1ph 50Hz
Motor Frame: -
Motor Power: 0.00kW
FLC/Start: -A / -
Motor Speed: -
Motor Efficiency: -



Sound Data

Spectrum (Hz):	63	125	250	500	1K	2K	4K	8K	dBW	dB(A) @ 3m
Inlet (dB):	81	83	79	69	62	62	61	54	86	53
Outlet (dB):	83	82	77	73	68	65	62	55	86	55
Breakout (dB):	59	67	67	64	49	44	41	35	71	43

Sound levels are quoted as in-duct values. dB(A) values are average spherical free-field for comparative use only.



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Technical Data - Fan Model STDL400-1EC (6.6 speed)

Location: FN-M-02

Designation:

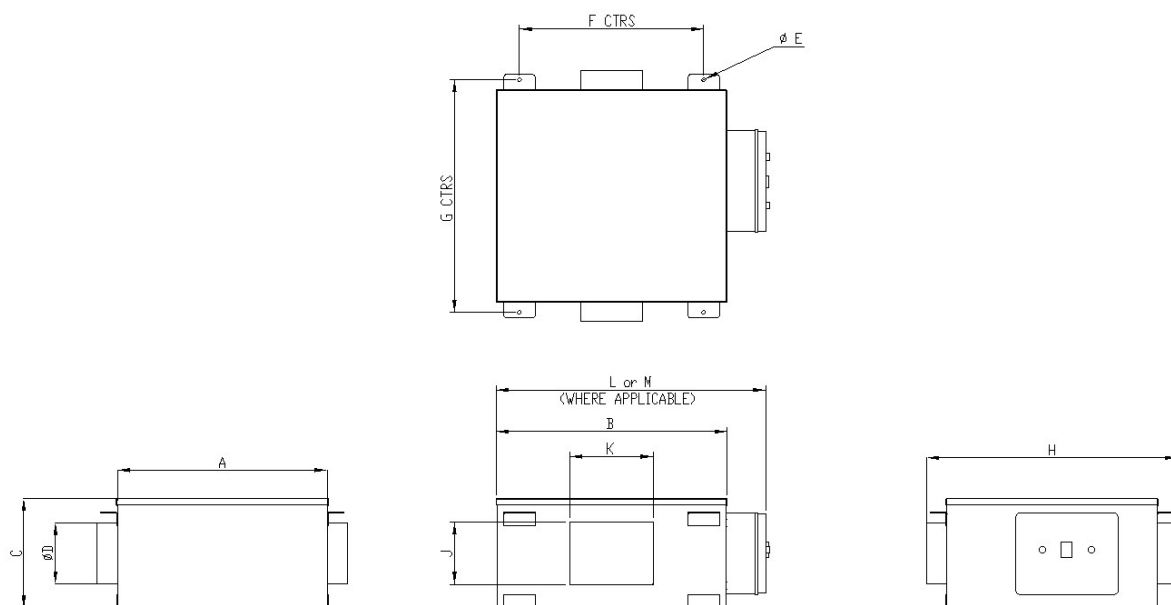
Energy Related Product Data

Typology:	NRVU, UVU	Drive Type:	Variable-Speed
HRS Type:	None	Thermal Efficiency:	n/a%
Nom. Flow Rate:	0.66 m ³ /s	Effective Input Power:	0.726 kW
SFP int:	1099 W/(m ³ /s)	Face Velocity:	5.25 m/s
Nom. Ext. Pressure:	445 Pa	Casing Sound Power:	53 dB(A)
Internal Pressure:	n/a	Int. Pressure (non-vent):	n/a
Static Efficiency:	44.4%	Max. External Leakage:	2%
Energy Performance of Filters:	n/a		
Visual Filter Warning Details:	n/a		
Disassembly Instructions:	http://www.eltafans.com		

Drawing for Fan Model STDL400-1EC

Product Code	A	B	C	D	E	F	G	H	J*	K*	L (W/ STANDARD BOX)	M (W/ DCV)
STD125	504	554	263	122	10	442	559	601	148	198	B + 96	B + 88
STD150	504	554	263	147		442	559	601	148	198		
STD200	574	698	334	197		587	629	669	204	204		
STD250	574	698	334	247		587	629	669	254	254		
STD315	759	866	411	312		730	815	855	348	378		
STD400	917	1064	551	397		928	973	1012	448	598		
STD500	1060	1212	602	497		1077	1116	1156	498	598		

* Rectangular Spigot Version



Technical Data - Fan Model STDL400-1EC (5.2 speed)

Location: FN-GF-02

Designation:

Performance - Required

Air Flow : 0.28 m³/s
 Static Pressure : 213 Pa
 Selection Pressure: 213 Pa
 Installation Type: n/a
 Air Density: 1.204 kg/m³
 - Atmos. Temp: 20 °C
 - Altitude: 0 m
 - Humidity: 0.0 %

Actual

Air Flow: 0.28 m³/s
 Static Pressure: 218 Pa
 Total Pressure: 221 Pa

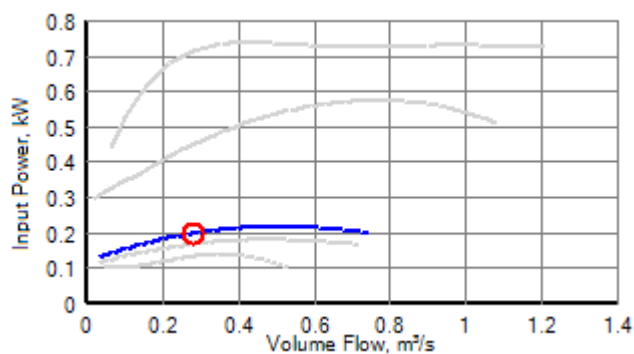
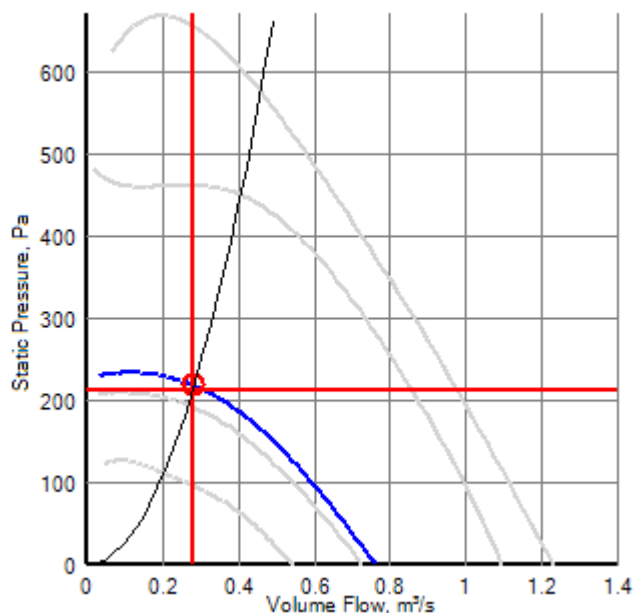
Fan Data

Catalogue Code: STDL400-1EC (5.2 speed)
 Description: Centrifugal Twin Box

Diameter: 400 mm
 Impeller Type: Centrifugal
 Blade Material: -
 Speed: 998 r/min @50 Hz
 Power, Abs: -
 Input Power: 0.20 kW
 Efficiency Total: -
 SFP: 0.71
 Fan Weight: 112.0 kg

Motor Data (at STP)

Motor Type:
 Electrical Supply: 230V 1ph 50Hz
 Motor Frame:
 Motor Power: 0.00kW
 FLC/Start: -A / -
 Motor Speed: -
 Motor Efficiency: -



Sound Data

Spectrum (Hz):	63	125	250	500	1K	2K	4K	8K	dBW	dB(A) @ 3m
Inlet (dB):	78	83	72	64	59	59	57	47	85	50
Outlet (dB):	80	81	70	68	64	62	57	46	84	51
Breakout (dB):	56	66	60	60	45	40	37	28	68	38

Sound levels are quoted as in-duct values. dB(A) values are average spherical free-field for comparative use only.



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Technical Data - Fan Model STDL400-1EC (5.2 speed)

Location: FN-GF-02

Designation:

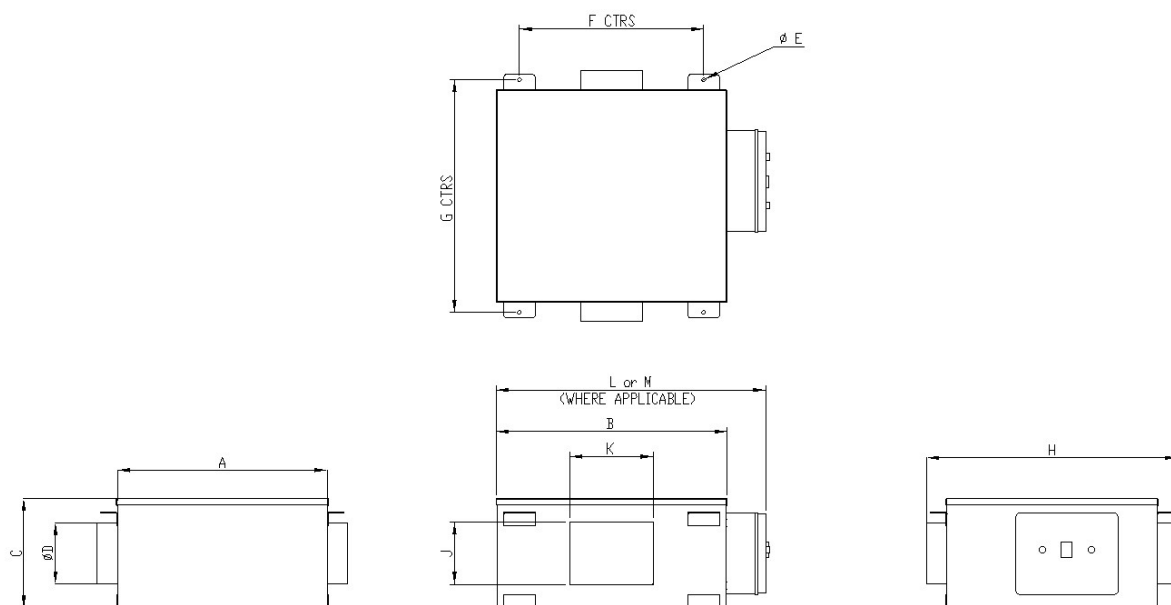
Energy Related Product Data

Typology:	NRVU, UVU	Drive Type:	Variable-Speed
HRS Type:	None	Thermal Efficiency:	n/a%
Nom. Flow Rate:	0.66 m ³ /s	Effective Input Power:	0.726 kW
SFP int:	1099 W/(m ³ /s)	Face Velocity:	5.25 m/s
Nom. Ext. Pressure:	445 Pa	Casing Sound Power:	50 dB(A)
Internal Pressure:	n/a	Int. Pressure (non-vent):	n/a
Static Efficiency:	44.4%	Max. External Leakage:	2%
Energy Performance of Filters:	n/a		
Visual Filter Warning Details:	n/a		
Disassembly Instructions:	http://www.eltafans.com		

Drawing for Fan Model STDL400-1EC

Product Code	A	B	C	D	E	F	G	H	J*	K*	L (W/ STANDARD BOX)	M (W/ DCV)
STD125	504	554	263	122	10	442	559	601	148	198	B + 96	B + 88
STD150	504	554	263	147		442	559	601	148	198		
STD200	574	698	334	197		587	629	669	204	204		
STD250	574	698	334	247		587	629	669	254	254		
STD315	759	866	411	312		730	815	855	348	378		
STD400	917	1064	551	397		928	973	1012	448	598		
STD500	1060	1212	602	497		1077	1116	1156	498	598		

* Rectangular Spigot Version



Technical Data - Fan Model LCS035J2-A6/10

Location: FN-M-07

Designation:

Performance - Required

Air Flow : 0.31 m³/s
 Static Pressure : 200 Pa
 Selection Pressure: 200 Pa
 Installation Type: TYPE D
 Air Density: 1.204 kg/m³
 - Atmos. Temp: 20 °C
 - Altitude: 0 m
 - Humidity: 0.0 %

Actual

Air Flow: 0.39 m³/s
 Static Pressure: 319 Pa
 Total Pressure: 329 Pa

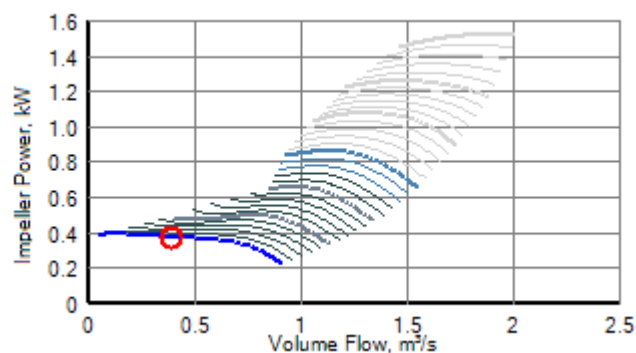
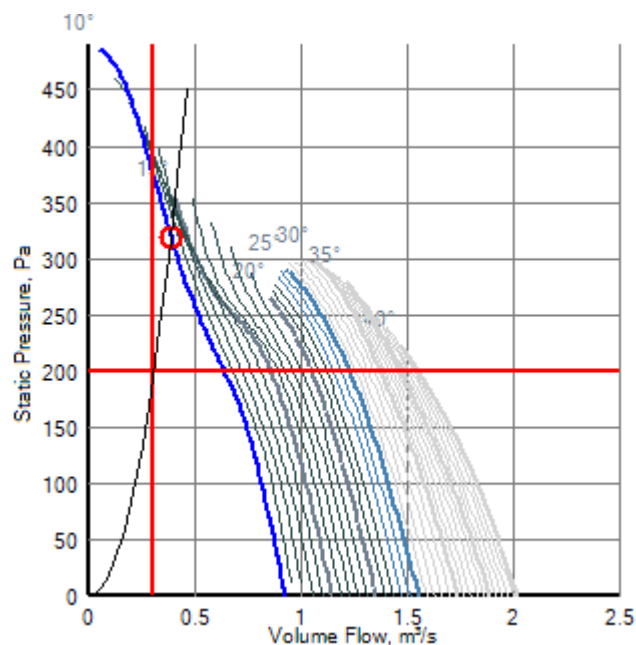
Fan Data

Catalogue Code: LCS035J2-A6/10
 (LCS035-717-IE3-080-0.75-2-131-19-RA6)
 Description: Long-Cased Smoke

Diameter: 355 mm Hub: 131 mm
 Impeller Type: Axial Pitch: 10°
 Blade Material: Aluminium Blades: 6
 Speed: 2880 r/min @50 Hz Form: B
 Power, Abs: 0.38 kW Peak: 0.39 kW
 Input Power: 0.49 kW
 Efficiency Total: 33.7% Static: 32.7%
 SFP: 1.59
 Fan Weight: 30.4 kg

Motor Data (at STP)

Motor Type: F300 (IE3)
 Electrical Supply: 400V 3ph 50Hz
 Motor Frame: 80
 Motor Power: 0.90kW (AOM) (0.75kW IEC)
 FLC/Start (DOL): 1.94A (AOM) / 12.25A (1.62A FL IEC)
 Motor Speed: 2 pole
 Motor Efficiency: 79.7%



Sound Data

Spectrum (Hz):	63	125	250	500	1K	2K	4K	8K	dBW	dB(A) @ 3m
Inlet (dB):	86	89	97	88	85	80	73	67	99	71
Outlet (dB):	88	88	98	88	84	80	74	67	99	71

Sound levels are quoted as in-duct values. dB(A) values are average spherical free-field for comparative use only.



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Technical Data - Fan Model LCS035J2-A6/10

Location: FN-M-07

Designation:

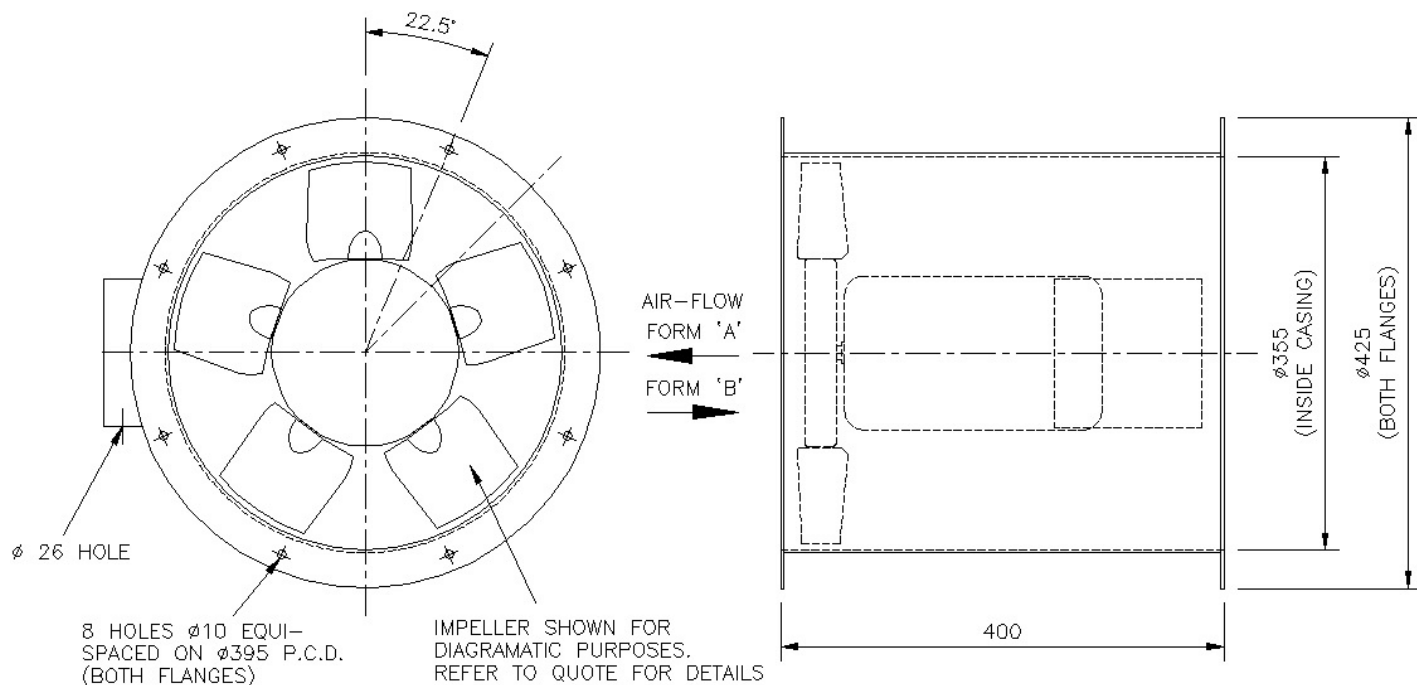
Energy Related Product Data

Overall Efficiency: 30.7%
Measurement Category: C
Efficiency Category: Static
FMEG: 39 (VSD)
Specific Ratio: 1

At Maximum Efficiency Point

Input Power: 0.46 kW
Air Flow: 0.63 m³/s
Pressure: 205 Pa
Speed: 2880 r/min

Drawing for Fan Model LCS035J2-A6/10





Technical Data - Fan Model LCS031J4-A3/10

Location: FN-GF-01

Designation:

Performance - Required

Air Flow : 0.06 m³/s
Static Pressure : 50 Pa
Selection Pressure: 50 Pa
Installation Type: TYPE D
Air Density: 1.204 kg/m³
- Atmos. Temp: 20 °C
- Altitude: 0 m
- Humidity: 0.0 %

Actual

Air Flow: 0.06 m³/s
Static Pressure: 53 Pa
Total Pressure: 54 Pa

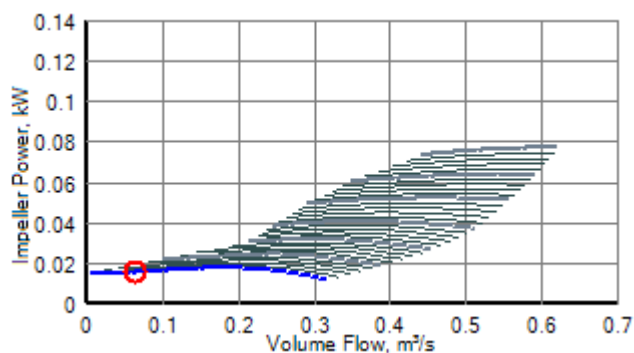
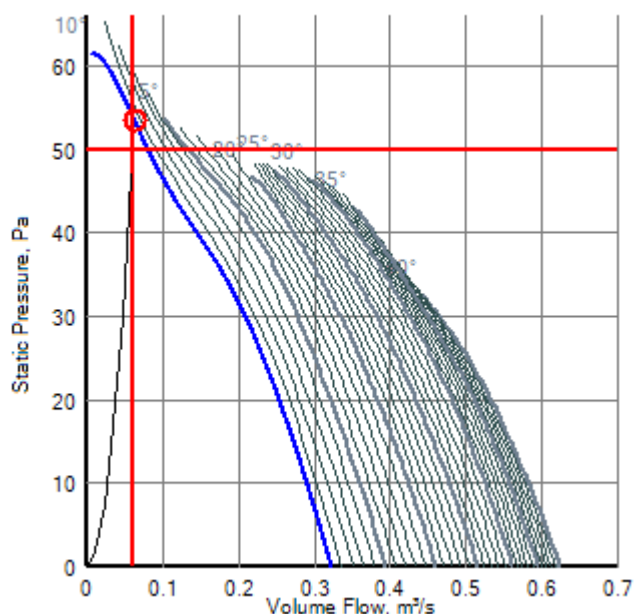
Fan Data

Catalogue Code: LCS031J4-A3/10
(LCS031-717-IE3-080-0.55-4-131-19-RA3)
Description: Long-Cased Smoke

Diameter:	315 mm	Hub:	131 mm
Impeller Type:	Axial	Pitch:	10°
Blade Material:	Aluminium	Blades:	3
Speed:	1440 r/min @50 Hz	Form:	B
Power, Abs:	0.02 kW	Peak:	0.02 kW
Input Power:	0.13 kW		
Efficiency Total:	21.7%	Static:	21.6%
SFP:	2.24		
Fan Weight:	24.1 kg		

Motor Data (at STP)

Motor Type:	F300 (IE3)	
Electrical Supply:	400V 3ph 50Hz	
Motor Frame:	80	
Motor Power:	0.66kW (AOM)	(0.55kW IEC)
FLC/Start (DOL):	1.42A (AOM) / 8.08A	(1.18A FL IEC)
Motor Speed:	4 pole	
Motor Efficiency:	11.5%	



Sound Data

Spectrum (Hz):	63	125	250	500	1K	2K	4K	8K	dBW	dB(A) @ 3m
Inlet (dB):	70	72	69	61	61	55	52	46	76	45
Outlet (dB):	71	71	69	62	61	54	52	48	76	45

Sound levels are quoted as in-duct values. dB(A) values are average spherical free-field for comparative use only.



Represented by:
ELTA FANS LTD (BUILDING SERVICES)
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46 Third Avenue, Pensnett Trading Estate, Kingswinford, West Midlands DY6 7US, UK
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Technical Data - Fan Model LCS031J4-A3/10

Location: FN-GF-01

Designation:

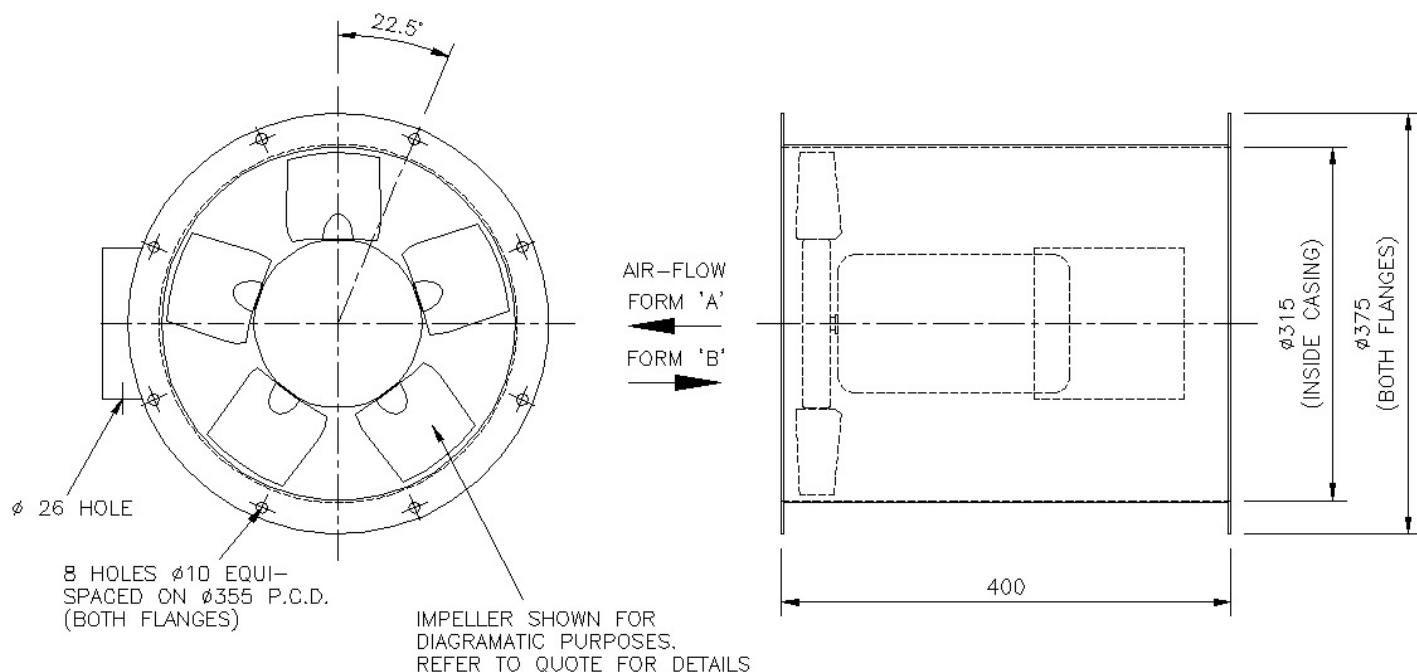
Energy Related Product Data

Overall Efficiency: 5.4%
Measurement Category: C
Efficiency Category: Static
FMEG: 17 (VSD)
Specific Ratio: 1

At Maximum Efficiency Point

Input Power: 0.14 kW
Air Flow: 0.19 m³/s
Pressure: 33 Pa
Speed: 1440 r/min

Drawing for Fan Model LCS031J4-A3/10





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Technical Data - Fan Model LCS031J4-A3/10

Location: FN-L1-01

Designation:

Warning: Static Pressure above 90% of Maximum Pressure;
Care should be taken if you choose this selection.

Performance - Required

Air Flow : 0.04 m³/s
Static Pressure : 30 Pa
Selection Pressure: 30 Pa
Installation Type: TYPE D
Air Density: 1.204 kg/m³
- Atmos. Temp: 20 °C
- Altitude: 0 m
- Humidity: 0.0 %

Actual

Air Flow: 0.05 m³/s
Static Pressure: 56 Pa
Total Pressure: 57 Pa

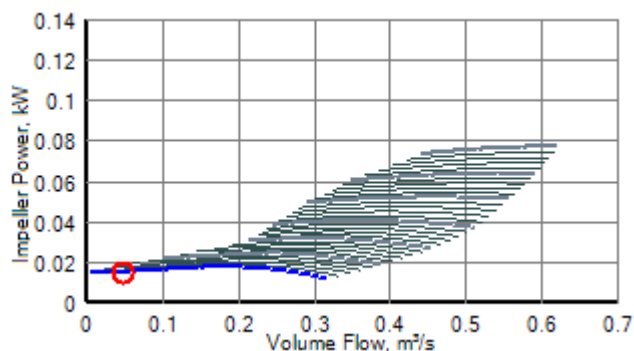
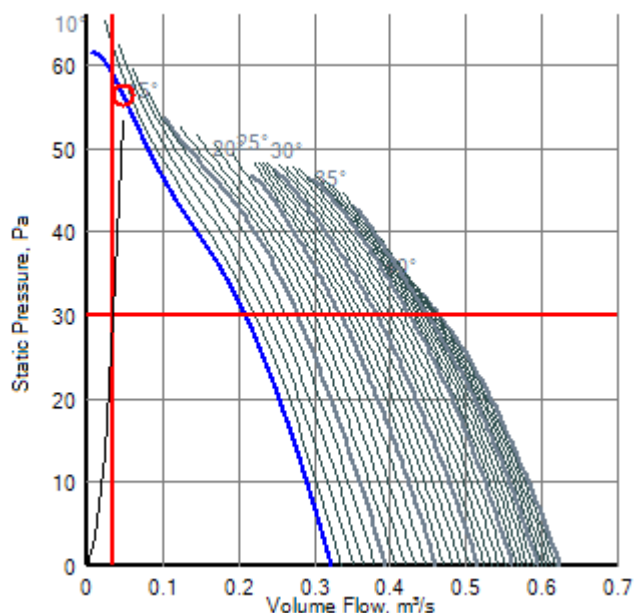
Fan Data

Catalogue Code: LCS031J4-A3/10
(LCS031-717-IE3-080-0.55-4-131-19-RA3)
Description: Long-Cased Smoke

Diameter:	315 mm	Hub:	131 mm
Impeller Type:	Axial	Pitch:	10°
Blade Material:	Aluminium	Blades:	3
Speed:	1440 r/min @50 Hz	Form:	B
Power, Abs:	0.02 kW	Peak:	0.02 kW
Input Power:	0.13 kW		
Efficiency Total:	17.9%	Static:	17.8%
SFP:	3.84		
Fan Weight:	24.1 kg		

Motor Data (at STP)

Motor Type:	F300 (IE3)	
Electrical Supply:	400V 3ph 50Hz	
Motor Frame:	80	
Motor Power:	0.66kW (AOM)	(0.55kW IEC)
FLC/Start (DOL):	1.42A (AOM) / 8.08A	(1.18A FL IEC)
Motor Speed:	4 pole	
Motor Efficiency:	11.3%	



Sound Data

Spectrum (Hz):	63	125	250	500	1K	2K	4K	8K	dBW	dB(A) @ 3m
Inlet (dB):	70	72	69	61	61	55	52	46	76	45
Outlet (dB):	71	71	69	62	61	54	52	48	76	45

Sound levels are quoted as in-duct values. dB(A) values are average spherical free-field for comparative use only.



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Technical Data - Fan Model LCS031J4-A3/10

Location: FN-L1-01

Designation:

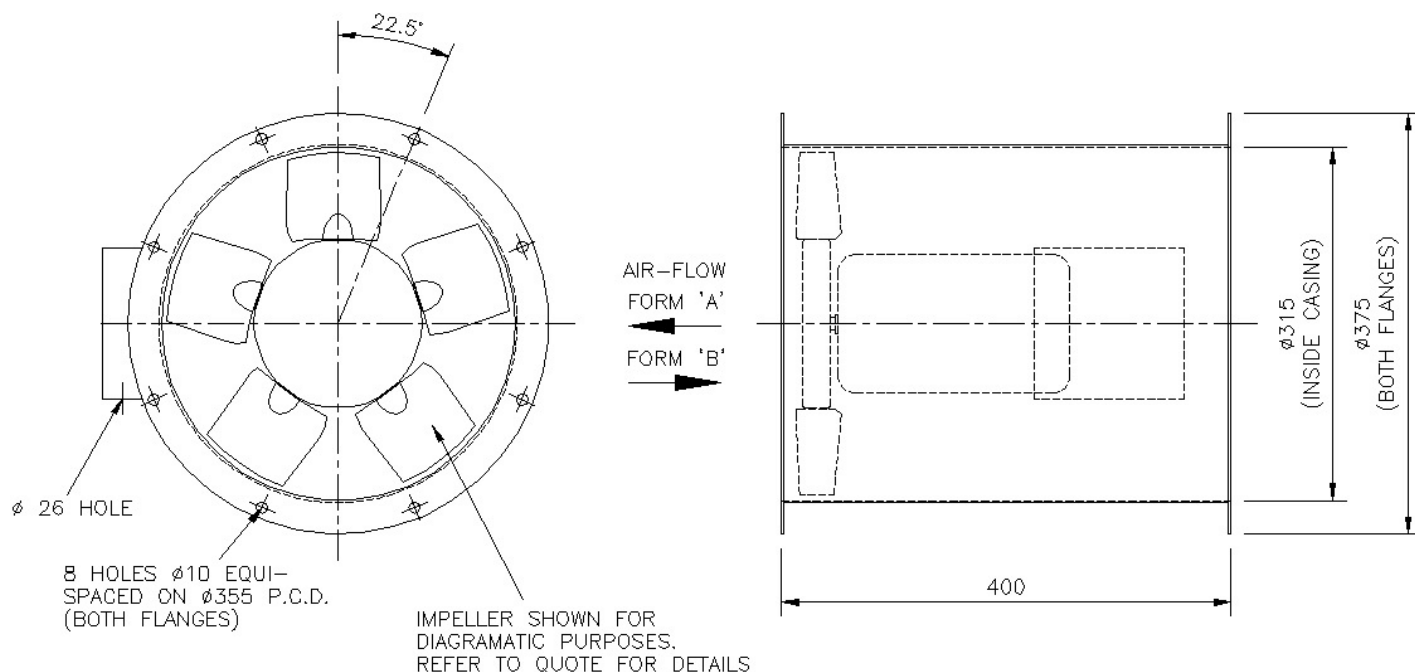
Energy Related Product Data

Overall Efficiency: 5.4%
Measurement Category: C
Efficiency Category: Static
FMEG: 17 (VSD)
Specific Ratio: 1

At Maximum Efficiency Point

Input Power: 0.14 kW
Air Flow: 0.19 m³/s
Pressure: 33 Pa
Speed: 1440 r/min

Drawing for Fan Model LCS031J4-A3/10



Technical Data - Fan Model SEM315/2-1AC (Med speed)

Location: FN-L10-01

Designation:

Performance - Required

Air Flow : 0.23 m³/s
 Static Pressure : 350 Pa
 Selection Pressure: 350 Pa
 Installation Type: n/a
 Air Density: 1.204 kg/m³
 - Atmos. Temp: 20 °C
 - Altitude: 0 m
 - Humidity: 0.0 %

Actual

Air Flow: 0.24 m³/s
 Static Pressure: 380 Pa
 Total Pressure: 385 Pa

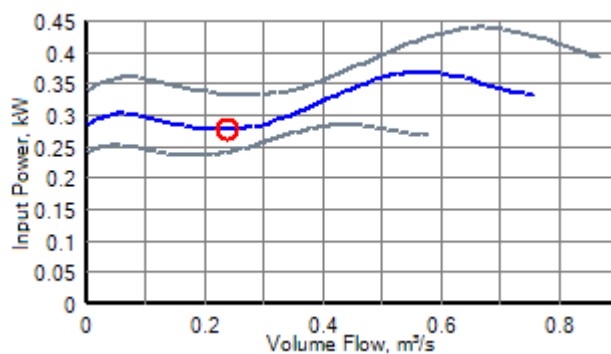
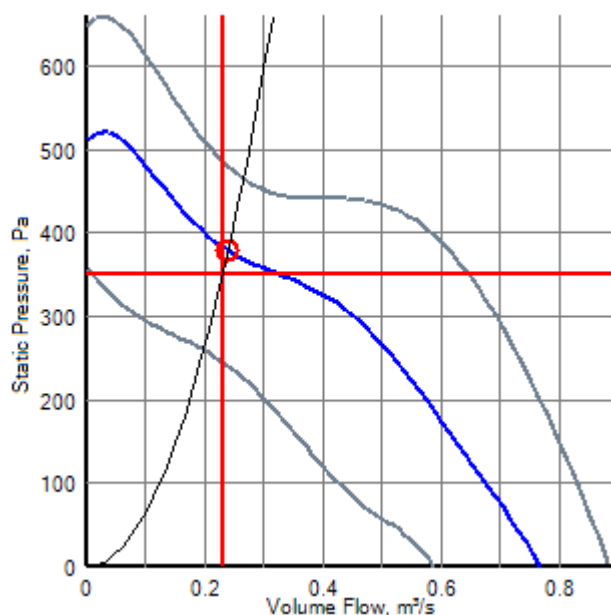
Fan Data

Catalogue Code: SEM315/2-1AC (Med speed)
 Description: Multiflow SEM AC

Diameter: 315 mm
 Impeller Type: Mixed Flow
 Blade Material: -
 Speed: 2415 r/min @50 Hz
 Power, Abs: -
 Input Power: 0.28 kW
 Efficiency Total: -
 SFP: 1.20
 Fan Weight: 12.4 kg

Motor Data (at STP)

Motor Type:
 Electrical Supply: 230V 1ph 50Hz
 Motor Frame:
 Motor Power: 0.44kW
 FLC/Start: -A / -
 Motor Speed: 2 pole
 Motor Efficiency: -



Sound Data

Spectrum (Hz):	63	125	250	500	1K	2K	4K	8K	dBW	dB(A) @ 3m
Inlet (dB):	44	60	67	73	72	70	67	58	78	56
Outlet (dB):	44	61	69	75	76	73	68	58	80	59
Breakout (dB):	42	46	54	54	59	51	44	34	62	40

Sound levels are quoted as in-duct values. dB(A) values are average spherical free-field for comparative use only.

Technical Data - Fan Model SEM315/2-1AC (Med speed)

Location: FN-L10-01

Designation:

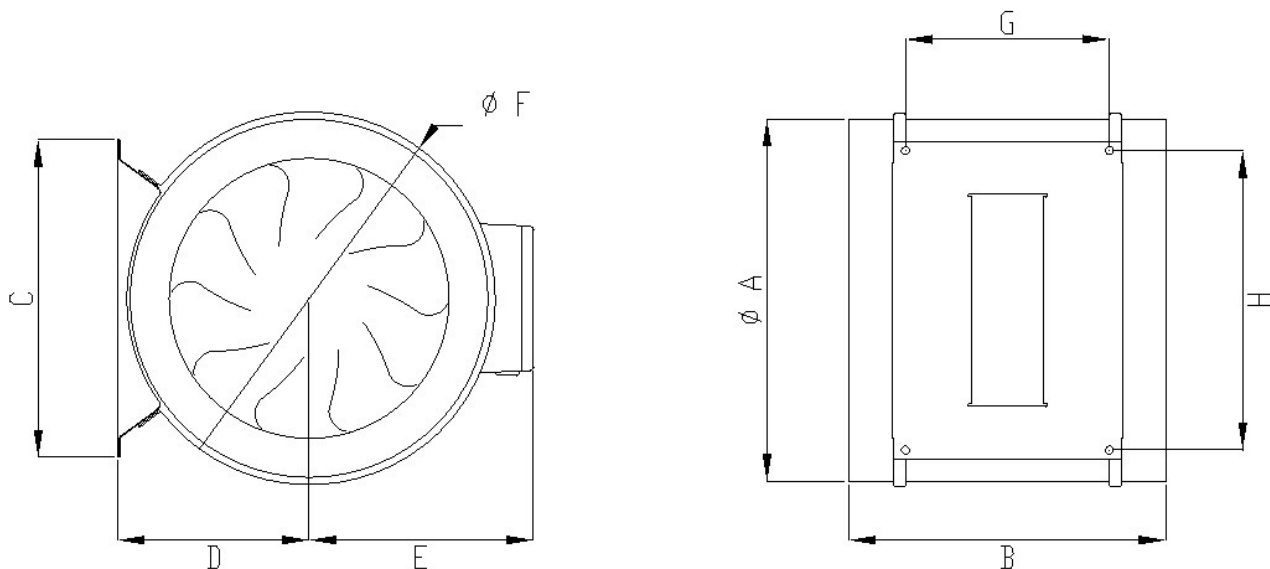
Energy Related Product Data

Overall Efficiency: 52.5%
 Measurement Category: C
 Efficiency Category: Static
 FMEG: 67
 Specific Ratio: 1

At Maximum Efficiency Point

Input Power: 0.42 kW
 Air Flow: 0.56 m³/s
 Pressure: 414 Pa
 Speed: 2778 r/min

Drawing for Fan Model SEM315/2-1AC



PRODUCT CODE	A	B	C	D	E	F	G	H
SEM250	250	215	169	136	163	263	80	125
SEM315	315	300	284	167	200	327	210	264
SEM355	354	325	316	187	220	367	220	295
SEM400	400	350	350	211	247	411	225	330