



Smoke Ventilation – Technical Submittal

Project: Angel Meadows, Plots 2 & 3
Project No: MC1120
TSM No: MC1120/TSM019
Revision: B
Date: 28th August 2020

Revision Notes:

- 1) CFD analysis and results now appended;
- 2) Plot 2 extract rate increased to 0.4m³/s to match CFD

Ameon Limited Unit 9-10 Olympic Court
Boardmans Way
Whitehills Business Park
Blackpool
FY4 5GU

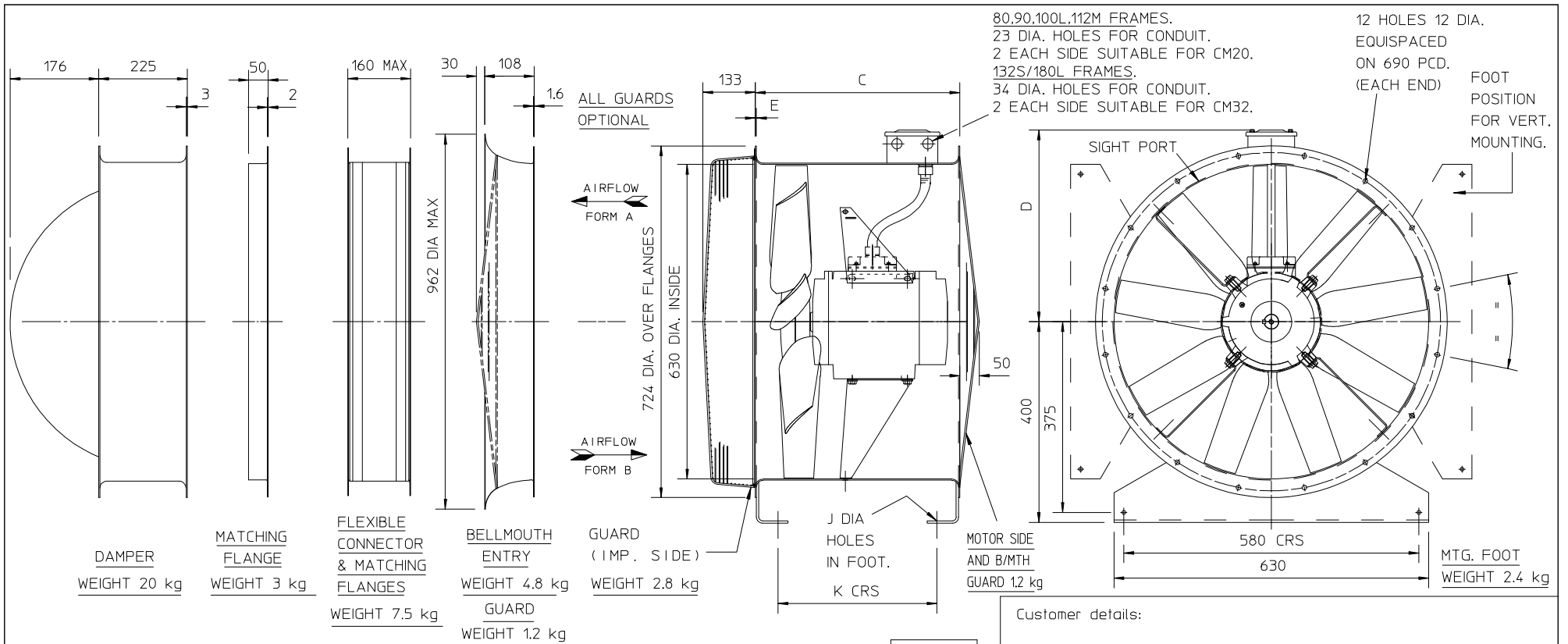
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CARBONCONSULTANTS



ameon
Building Services Engineering



2 STAGE FANS

STAGE 1 - JMR IMPELLER FORM A.
STAGE 2 - JML IMPELLER FORM B.
OVERALL LENGTH = 2 x DIM 'C'
TOTAL WEIGHT = 2 x WEIGHT SHOWN.

SIZE	FRAME	C	D	E	J	K	MAX. FAN WEIGHT kg
630	80	375	403	3	10	280	47
	90S/90L	520	403	3	10	434	61
	100L	520	403	3	10	434	80
	112M	520	403	3	10	434	92
160mm to 315mm hubs	132S/M	520	440	5	12	434	140
	160L	625	440	5	12	537	202
	160L	711	440	6	12	619	232
	180L	711	440	6	12	619	320

Customer details:



GEOMETRICAL TOL. SPEC. AS BS.308.				PART No.		MATERIAL:		MASS kg		M. OF I. kg-m ²		CLIENTS NAME		CLIENTS O/NO.		WOODS O/NO.		NO. OFF		HAND	
COPYRIGHT AS DATE BELOW				N275107		FINISH:		PARTS CLASSIFICATION CODE				TITLE OUTLINE - 630JM SERIES - L									
						132-180 FRAMES						TYPE - 160-315 HUBS - WEG MTRS									
DRAWN patg 22/12/2004				TRACED								SCALE 1:10		A3		DRAWING NO. D275107		MOD B		STATUS RELEASED	
CHECKED mjn 09/01/2007				CHECKED																	
APPROVED meh 21/02/2007																					
THIRD ANGLE PROJECTION																					
ISSUE A				DO NOT SCALE		ALL DIMENSIONS IN MILLIMETRES UNLESS STATED OTHERWISE		General Tolerances as Drg. No. 152400 Except Where Stated.		IF IN DOUBT ASK		Flakt Woods Ltd. COLCHESTER, ESSEX. CO4 5AR Telephone: 01206 544122 Fax: 01206 574434.									

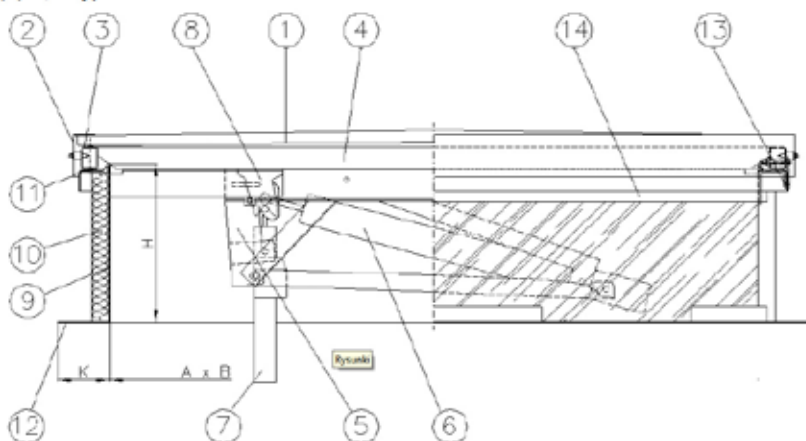


SHEET SIZE 420 X 297 PN.411953

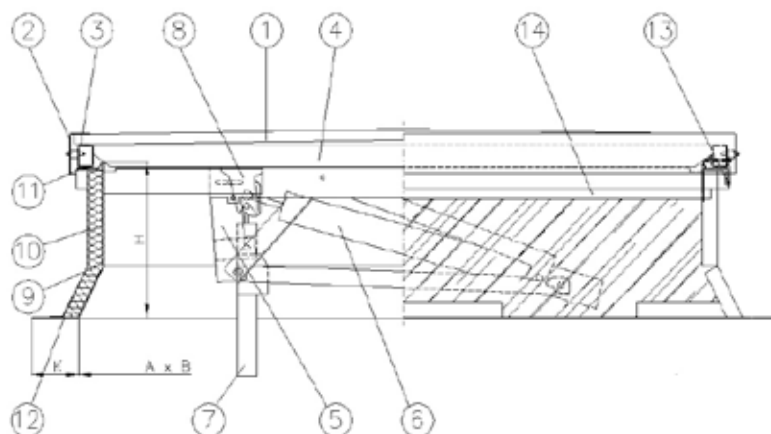


COMPOSITION

(a) C, E type



1. Filling
2. Clamp frame
3. Frame bearer
4. Spreader boom
5. Actuator holder
6. Smoke exhaust actuator
7. Ventilation actuator (option)
8. Hooked bracket
9. Base
10. Base thermal insulation
11. Leaf seal
12. Base flange
13. Hinge
14. External detailing: zinc-coated galvanised steel sheet

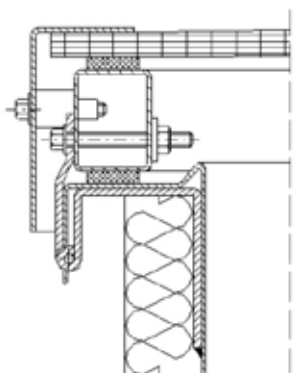


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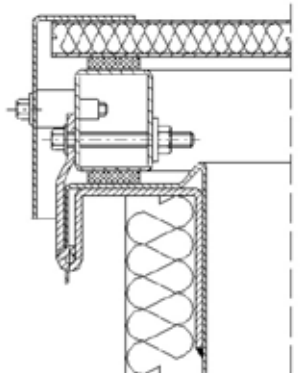


LID OPTIONS

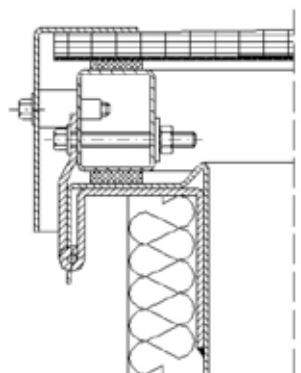
(a) polycarbonate panel



(b) ALU composite panel



(c) polycarbonate and polyester panels [Broof(t1) class]



NO ONE OPENS MORE VENTS

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VENT ENGINEERING