

People feel better in Colt conditions

APOLLO MONO



AIREADOR COLT DE COMPUERTA SIMPLE

Aceptación:
Nombre:
DNI:

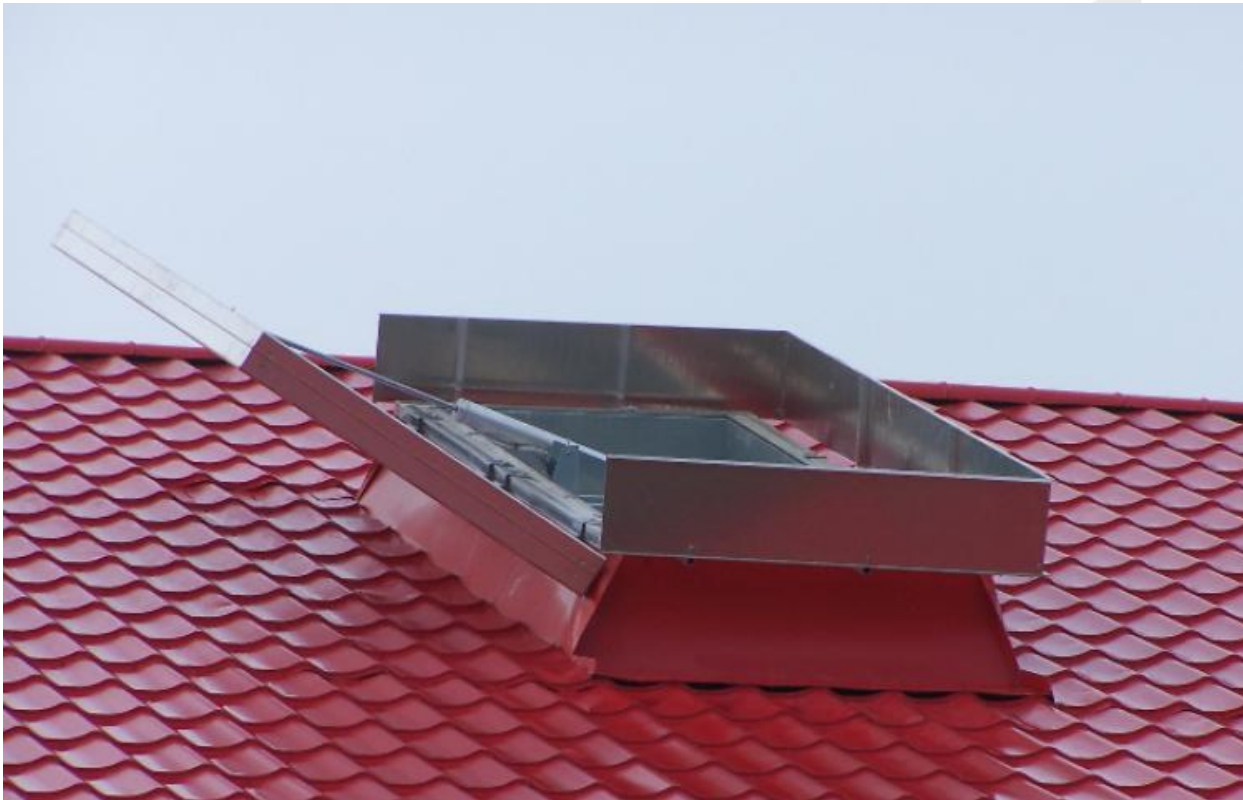
Fecha:

(Sello empresa y firma)

- 1 / 7 -



APOLLO MONO ESPECIFICACIONES TECNICAS



APOLLO MONO es un aireador de una hoja de ángulo de abertura 165°, para ventilación natural apta para la evacuación de humos y gases de combustión en caso de incendio y que además puede formar parte de un sistema de ventilación día a día ("free cooling") y ser utilizado también como un elemento de iluminación cenital.

Por su gran variedad de dimensiones y poco peso y diseño se adapta a cualquier tipo de cubierta.

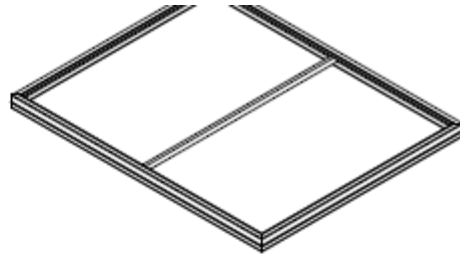
La compuerta con perfil de aluminio extrusionado integra panel de policarbonato de 220 mm. de espesor opción opal o transparente.

La abertura puede ser: Manual, neumática o eléctrica, opcionalmente puede ir equipado con un fusible térmico tarado a 93°C o a 141°C.

Componentes opcionales del AIREADOR COLT APOLLO MONO:

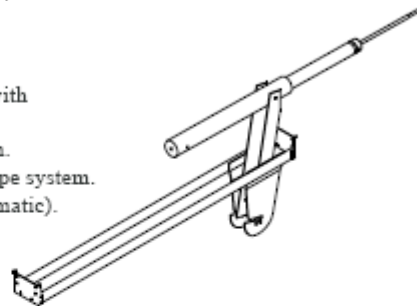
Lids

- Extruded aluminium profiles
- 20mm clear or opaque polycarbonate
- Brushes or rubber seals



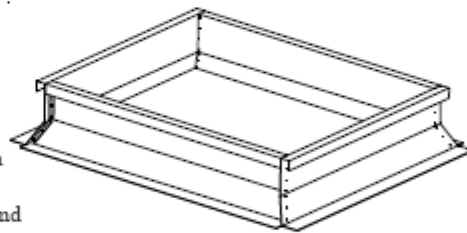
Controls

- Smoke control either pneumatic with thermal release valve with an opening angle approximately. 165°
 - a) open and closing pneumatically with a two pipe system.
 - b) open pneumatically and manual closing with a single pipe system.
- Optional day to day ventilation (230V electric or 6 bar pneumatic).



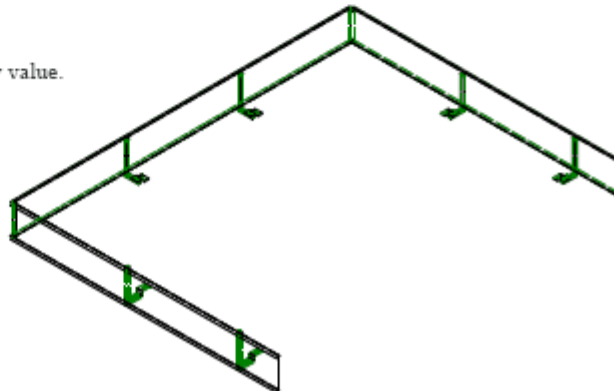
Upstand

- Conical upstand consisting of 1mm galvanised steel
- Height: 400 or 500 mm
- Standard dimensions from 1 x 1m to maximum 2 x 2,5m
- Upstand with mineral wool insulated
- Adaptor flange on hinge or on all four sides of the upstand



Optional Wind Baffle

- 3 sided Wind baffle to improve the Cv value.

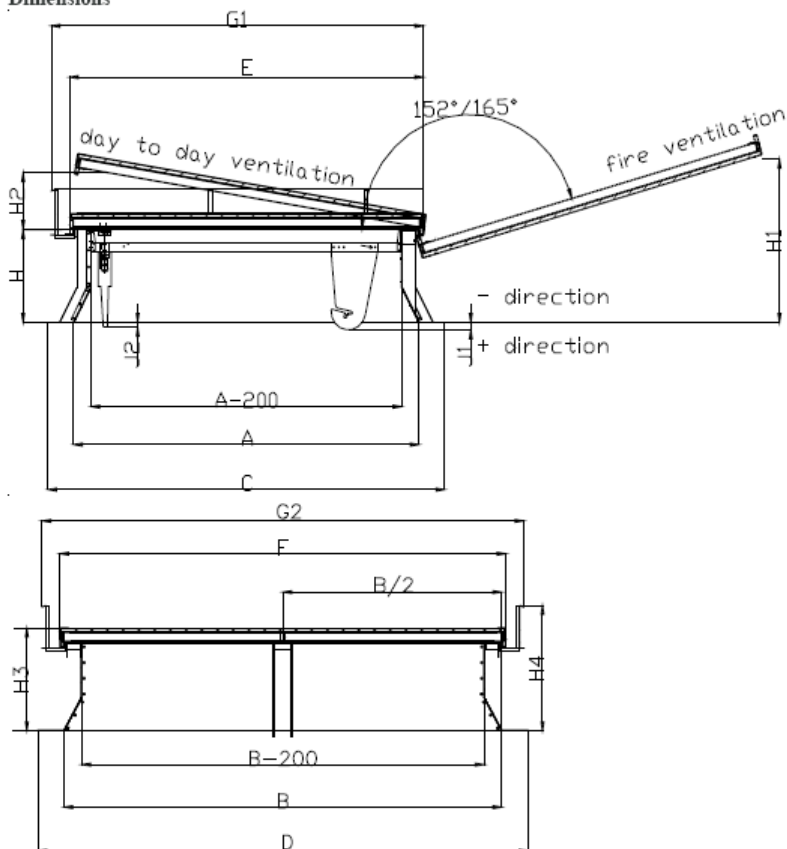


DIMENSIONES:

3.7 Dimensions (contd.)

Size		Upstand				Wind buffer		Swivel areas												
Width A [mm]	Length B [mm]	Width C [mm]	Length D [mm]	Width E [mm]	Length F [mm]	Width G1 [mm]	Length G2 [mm]	Upstand H = 500						Upstand H = 400						
								H1 [mm]	J1 [mm]	J2 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H1 [mm]	J1 [mm]	J2 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	
1000	1000	1300	1300	1050	1550	1152	1260	875	-180	24				775	-80	124				
	1500		1800		1550		1760													
	2000		2300		2050		2260													
	2500		2800		2550		2760													
1200	1000	1500	1300	1050	1550	1352	1260	785	-210	24				685	-110	124				
	1500		1800		1550		1760													
	2000		2300		2050		2260													
	2500		2800		2550		2760													
1500	1000	1800	1300	1050	1550	1652	1260	875	-60	24	300	590	715	775	40	124	300	490	615	
	1500		1800		1550		1760													
	2000		2300		2050		2260													
	2500		2800		2550		2760													
1800	1000	2100	1300	1050	1550	1952	1260	925	-60	24				825	40	124				
	1500		1800		1550		1760													
	2000		2300		2050		2260													
	2500		2800		2550		2760													
2000	1000	2300	1300	1050	1550	2152	1260	990	40	24				890	140	124				
	1500		1800		1550		1760													
	2000		2300		2050		2260													
	2500		2800		2550		2760													

3.7 Dimensions



CLASIFICACION EN 12101-2

Classification/Performance Classes in accordance with EN 12101-2

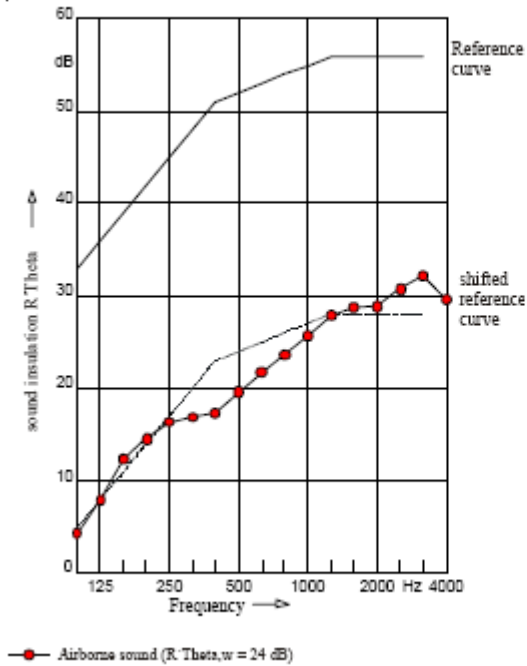
Apollo Mono units fulfill the following performance classes:

Reliability :	RE 1.000 (10.000 life cycle)
Snow Load :	SL 550 bis SL 2833 (Kapitel 3.11)
Low temperature :	T (00) temperature inside
Wind Load :	WL 1500
Fire Load :	B 300
Performance of Materials :	Class "E" (using rubber weather seal) Class "E" (using pile weather seal)

COEFICIENTE AERODINAMICO

3.8 Av- Values

Geometrical area		Geometrical area Av [m ²]
Width A [mm]	Length B [mm]	
1000	1000	1.00
	1500	1.50
	2000	2.00
	2500	2.50
1200	1000	1.20
	1500	1.80
	2000	2.40
	2500	3.00
1500	1000	1.50
	1500	2.25
	2000	3.00
	2500	3.75
1800	1000	1.80
	1500	2.70
	2000	3.60
	2500	4.50
2000	1000	2.00
	1500	3.00
	2000	4.00
	2500	5.00

ATENUACION ACUSTICA:
3.15 Acoustic Performance


The acoustic performance is provided graphically and in tabular form. A singular value of 24dB has been measured for all variants.

PERMEABILIDAD AL AIRE:
3.17.1 Air Permeability

The DIN EN 12207 is the basis for the following table classifying the air permeability in accordance with the overall area and the length of seals.

Delta Pa stat.	VN/m ² [m ³ /hm ²]	VN/m ² [m ³ /hm]
100	1,74	0,8172

Example: Size = 1.5m x 2.5m

Ventilation area = 1.5m x 2.5m = 3.75m²
 Seals length = (1.5m + 2.5m) x 2 = 8m

Joint air permeability in accordance with (EN 12207):

Ventilation area = 3.75m² x 1.74m³/hm² = 6.52m³/h
 Seals length = 8m x 0.8172m³/hm = 6.54m³/h

PESO DEL AIREADOR

3.18 Weights

Width A [mm]	Size		C 500 Weights * [kg]	C 400 Weights * [kg]	Wind baffle [kg]
	Length B [mm]				
1000	1000		64	57	11
	1500		72	64	14
	2000		80	71	17
	2500		87	78	20
1200	1000		73	65	12
	1500		81	72	15
	2000		89	80	18
	2500		97	87	21
1500	1000		86	77	14
	1500		95	85	17
	2000		103	93	20
	2500		112	100	23
1800	1000		98	87	16
	1500		107	96	19
	2000		116	104	22
	2500		125	112	24
2000	1000		105	94	10
	1500		115	103	15
	2000		125	112	20
	2500		134	121	26

* These weights include upstand, lid, adaptor flange, channel, actuators, lid material, hinges, bolts and screws etc.