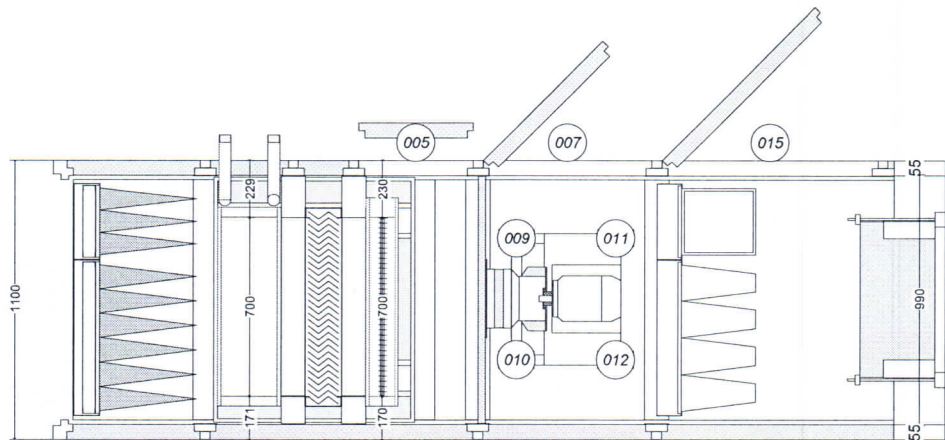
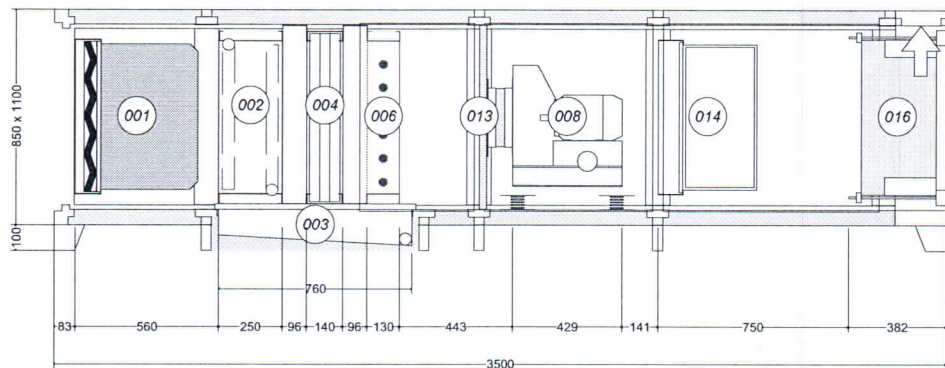
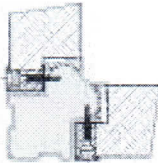




FICHE TECHNIQUE

11/03/2008	20/03/2008	P 1 / 7	21052899	A=AAINGINUTUS [Y*]_acepov	Nexus-1 ver.602.3016	Altitude 0 (m)
Projet CYCLOTRON II ICART				00030000	NXSCSTSVRI-L069	
Ref. CTA 1-2-3 - 8-9-10				Modèle A1-0850H-1100W		
				Debit 0.81 m3/s		

01	G4+F7	02	P40-16AR 6R-15T-700A-2,0Pa Cu/Al	06	8.0 kW - 1 Step	14	F9
16	H13	17	FA DAMPER 200 x 990 mm				



	PANELS / FRAME			
	Epaisseur	60 mm		
	Danssulation	polyuréthane 40 kg/m3		
	Feuille exterieure	CA4SA06	pre-plastifie 0.6 mm - WHITE A4SA	
	Dansternal sheet	CAL--08	Aluminum Alloy 0.8 mm -	
CHASSIS EN ALUMINIUM			PR55TT	
FEET			PIEDE-100	

Niveau sonore aérien (dB)							
A	125 Hz	250 Hz	500 Hz	1 KHz	2 KHz	4 KHz	8 KHz
65.5	73	62	64	60	48	53	43
Caractéristiques mécaniques (EN1886)							
Résistance boîtier		Fuites d'air boîtier		Emetteur thermique		Pont thermique	
D1		L1		T2		TB2	
		SAUER is participating in the Eurovent Certification Programme for Air Handling Units. The range A1 is certified under the number 03-05-043 and presented in the Directory of Certified Air Handling Units.					
				EUROVENT - AIR HANDLING UNITS ENERGY EFFICIENCY CLASS			

NOTE :

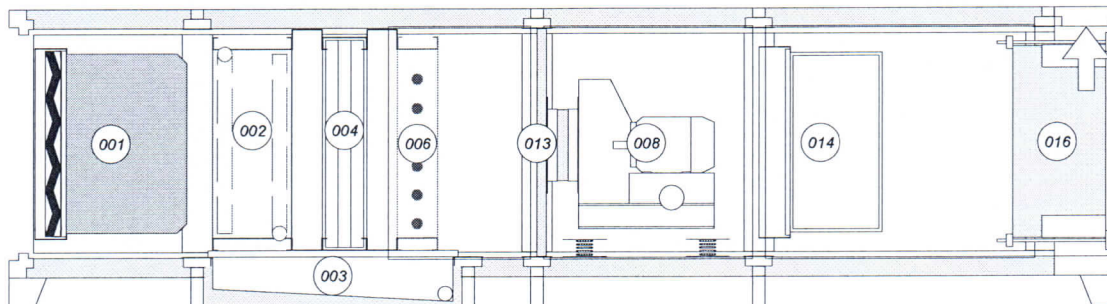
Poids total

452 kg



SOUND DATA

11/03/2008	20/03/2008	P 2 / 7	21052899	A=AAINGINUTUS [Y*_acepnoy 00030000	Nexus-1 ver.602.3016 NXSCSTSVRI-L069	Altitude 0 (m)
Projet CYCLOTRON II ICART					Modèle A1-0850H-1100W	
Ref. CTA 1-2-3						Debit 0.81 m3/s



IN-DUCT SOUND POWER LEVEL dB

		125	250	500	1000	2000	4000	8000	A
	INLET	79	84	86	83	76	71	66	87.4
001	G4+F7	-1	-1	-1	-1	-4	-4	-5	
002	P40-16AR 6R-15T-700A-2,0Pa Cu/Al	-3	-3	-3	-3	-4	-4	-4	
008		83	88	90	87	84	79	75	92.2
014	F9	-1	-3	-4	-7	-7	-7	-7	
016	H13	-1	-3	-3	-4	-6	-9	-9	
	OUTLET	81	82	83	76	71	63	59	82.9

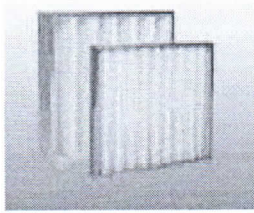
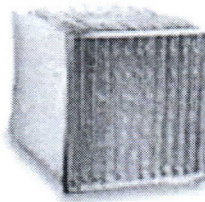
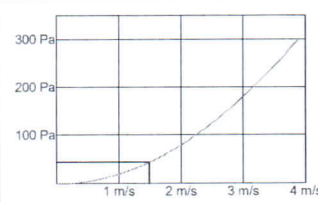
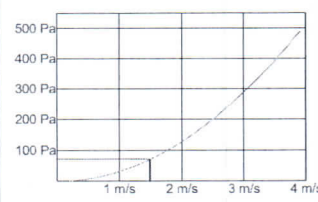
AIRBORNE SOUND POWER LEVEL dB

	125	250	500	1000	2000	4000	8000	A
	73	62	64	60	48	53	43	65.5

FICHE TECHNIQUE

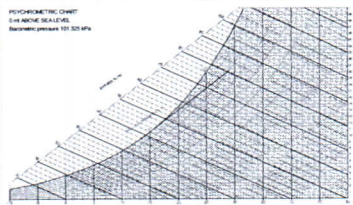
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Projet			CYCLOTRON II ICART			Modèle A1-0850H-1100W
Ref.			CTA 1-2-3			Debit 0.81 m3/s

001

FILTERS							
STAGE #	Volume d'air	CLASS	TYPE	Modèle	QTA INTERA	QTY. HALF SIZE	LENGTH MM
1	0.81 m3/s	G4	PANEL	MQZ-48	1	1	48 mm
2	0.81 m3/s	F7	BAG	RH-TF14-08	1	1	380 mm
Frame							
acier galvanise							
1				2			
Clean 44 Pa	Final 250 Pa	Avg 147 Pa		Clean 71 Pa	Final 280 Pa	Avg 175 Pa	
							
ACCESSORIES							



002

COOLING COIL																	
Debit 0.81 m3/s		Q te 1	Modele P40-16AR 6R-15T-700A-2.0Pa Cu/Al [0 mt]					16.46 dm3		76.50 m2		Air dens. 1.225 kg/m3					
Cote air		DB		WB		UR		Tootal load		Charge sensible		Vit. air		Pressure Drop		<div>PSYCHROMETRIC CHART Cooling and Heating Load Barometric pressure 101.325 kPa</div>	
Dans		29.00 °C				80.00 %		1x43.0 kW		1x15.9 kW		1.92 m/s		116 Pa			
Out		13.29 °C				100.00 %											
EAU		temp.		Water flow			P.D. eau		Vitesse eau			Taille connexion					
Dans		7.00 °C		1 x 2.05 l/s			23 kPa		1.18 m/s			1 1/2"					
Out		12.00 °C										1 1/2"					
NC		Materiau ailettes			Materiau tuyaux			Collecteurs		Chassis		Bride		Contre-bride			
9		AL@0.13mm			CU@0.40mm			Acier		Acier galvanise		NO		NO		[1000][5.25RT][2][53][23.0]	

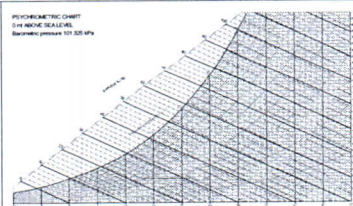


003	CUVE D'EVACUATION							
	Materiau CAL-12					Taille cuve d'evacuation 48.00 mm		

004	MOISTURE ELIMINIATOR							
	Debit 0.81 m3/s	Dimensions 1 x 680 x 780 mm		bends # 3	Vit. air 1.92 m/s	Lames material CAL--05	Chassis material CAL--15	Pressure Drop 12



005	ACCESS DOOR							
	Dimensions 740 x 450 mm		Poignee					
								

006	ELECTRIC HEATER							
	Debit 0.81 m3/s	Tootal load 8.0 kW		Etages 1	Pressure Drop 10 Pa			
	Dans			Out				
	DB 13.29	°C		DB 21.50				



FICHE TECHNIQUE

11/03/2008	20/03/2008	P 4 / 7	21052899	A=AAINGINUUTUS (Y* [acepnov 00030000	Nexus-1 ver.602.3016 NXSCSTSVRI-L069	Altitude 0 (m)
Projet CYCLOTRON II ICART					Modèle A1-0850H-1100W	
Ref. CTA 1-2-3						Debit 0.81 m3/s

007	ACCESS DOOR						
	Dimensions 740 x 661 mm		Poignee + Charnieres				
							

008

SUPPLY FAN

Debit 1 x 0.81 m3/s		Q te 1	Modele ER25C-2DN.D7.1R	Diam. Roue 250 mm	
------------------------	--	-----------	---------------------------	----------------------	--

I.P.D. mini 534 Pa	Q te & motor model 1xD90LN-2P-2,2KW
-----------------------	--

☐ Commande par courroie

Maxi I.P.D. 1528 Pa	tr/mn moteur 2880 rpm
------------------------	--------------------------

Moyenne I.P.D. 1030 Pa	Puissance moteur 1 x 2.20 kW
---------------------------	---------------------------------

Statique ext.
250 Pa

Total static pressure
1280 Pa

HZ
79.5

RPM
4542 rpm

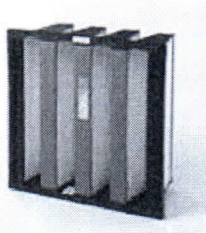
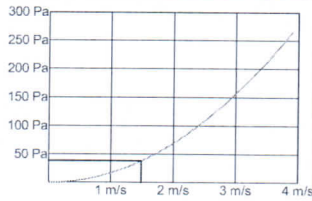
Poissance de coupeure
1 x 1.40 kW


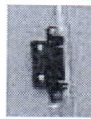
Rendement
79.19 %

SWL (dB)

Frequency (Hz)	SWL (dB)
63	78
125	83
250	89
500	90
1000	88
2000	84
4000	80
8000	76

014

FILTERS							
STAGE #	Volume d'air	CLASS	TYPE	Modèle	QTA INTERA	QTY. HALF SIZE	LENGTH MM
1	0.81 m3/s	F9	RIGID BAG	OPAKFIL-G-CC-98	1	1	290 mm
Frame							
acier galvanise							
1							
Clean	Final	Avg					
38 Pa	250 Pa	144 Pa					
							
ACCESSORIES							

015	ACCESS DOOR						
	Dimensions 740 x 850 mm		Poignee + Charnieres				
							

FICHE TECHNIQUE

11/03/2008	20/03/2008	P 5 / 7	21052899	A-AAINGINUUTUS[Y*_acepov	Nexus-1 ver.602.3016	Altitude 0 (m)
Projet				00030000	NXSCSTSVRI-L069	
CYCLOTRON II ICART				Modèle A1-0850H-1100W		
Ref.				Debit 0.81 m3/s		
CTA 1-2-3						

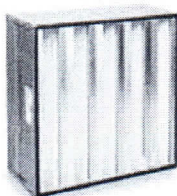
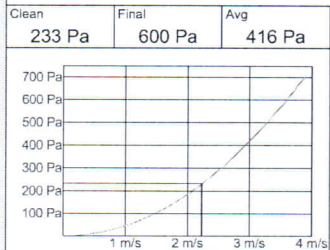
FILTERS

STAGE #	Volume d'air	CLASS	TYPE	Modèle	QTA INTERA	QTY. HALF SIZE	LENGTH MM
1	0.81 m3/s	H13	HEPA	ST-PM14	1	0	292 mm

Frame

acier galvanise

1



ACCESSORIES

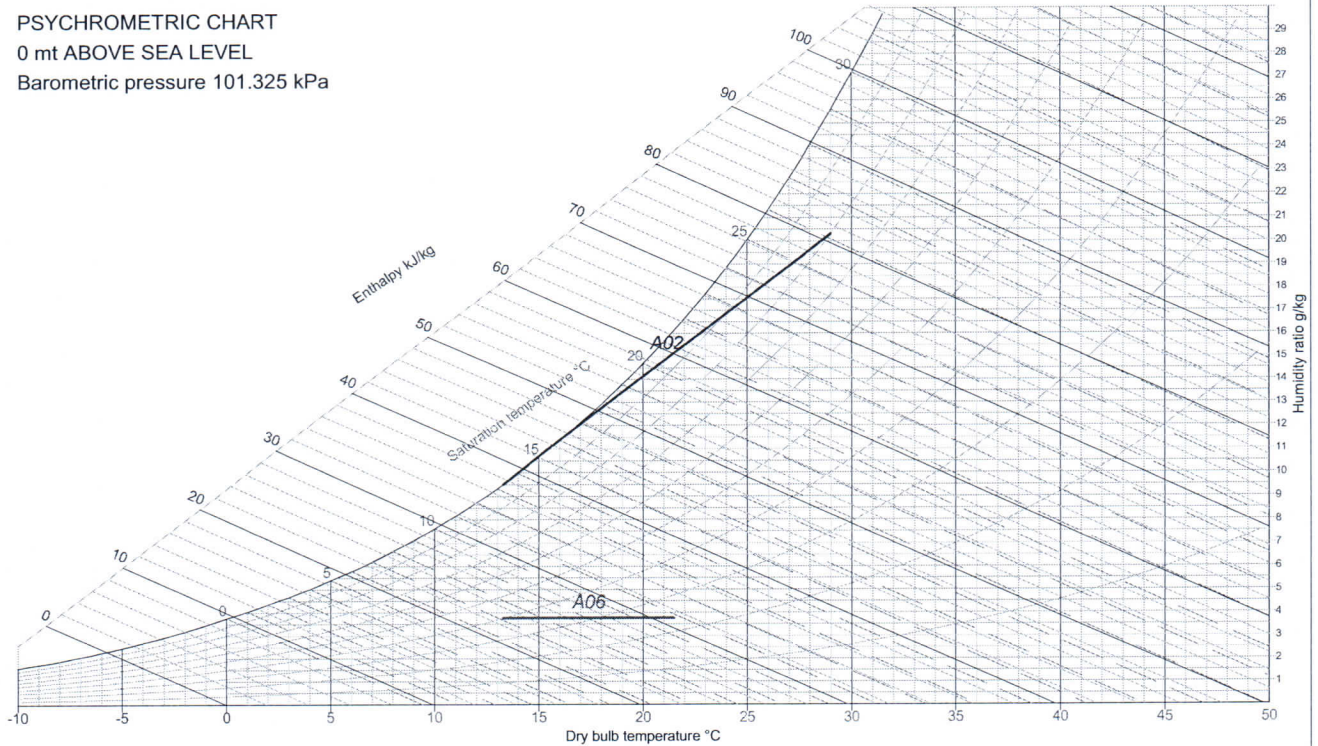
FRESH AIR

Debit 0.81 m3/s	Dimensions 200 x 990 mm	Modele	Vit. air 4.07 m/s	Chute de pression 10 Pa
Amortisseur Non	Connexion flexible Non	Volet Non	Actuator NO	

SCHEMA PSYCHROMETRIQUE

11/03/2008	20/03/2008	P 6 / 7	21052899	A=AAINGINUUTUS [Y*[_acepov 00030000	Nexus-1 ver.602.3016 NXSCSTSVRI-L069	Altitude 0 (m)
Projet CYCLOTRON II ICART					Modèle A1-0850H-1100W	
Ref. CTA 1-2-3						Debit 0.81 m3/s

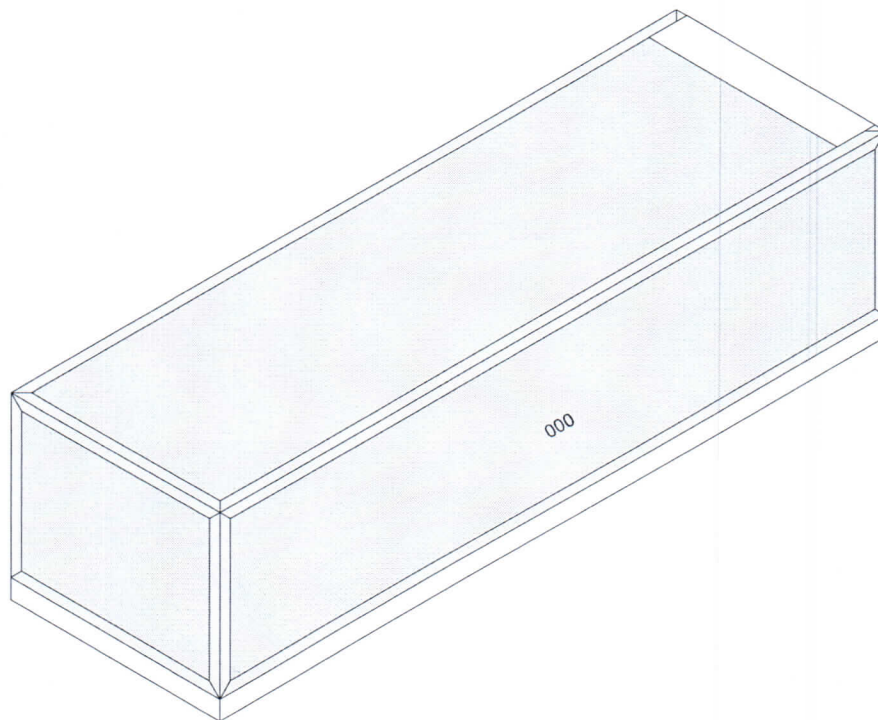
PSYCHROMETRIC CHART
0 mt ABOVE SEA LEVEL
Barometric pressure 101.325 kPa



	Prise					Pa EXH					Charge totale kW	Charge sensible kW
	Bulbe à sec	Bulbe humide	Humidité relative	Enthalpie	Humidité absolue	Bulbe à sec	Bulbe humide	Humidité relative	Enthalpie	Humidité absolue		
	°C	°C	%	kJ/kg	g/kg	°C	°C	%	kJ/kg	g/kg		
A02	29.00	26.14	80.00	81.08	20.33	13.29	13.29	100.00	37.40	9.52		
A06	13.29	7.13	40.00	22.89	3.77	21.50	10.87	23.81	31.20	3.77		

FICHE TECHNIQUE

11/03/2008	20/03/2008	P 7 / 7	21052899	A=AAINGINUUTUS (Y*[_acepnov 00030000	Nexus-1 ver.602.3016 NXSCSTSVRI-L069	Altitude 0 (m)
Projet CYCLOTRON II ICART					Modèle A1-0850H-1100W	
Ref. CTA 1-2-3						Debit 0.81 m3/s

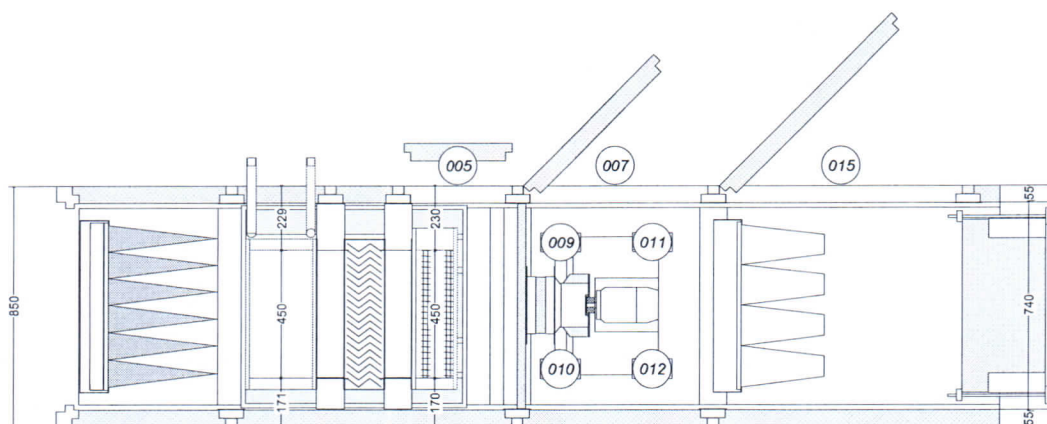
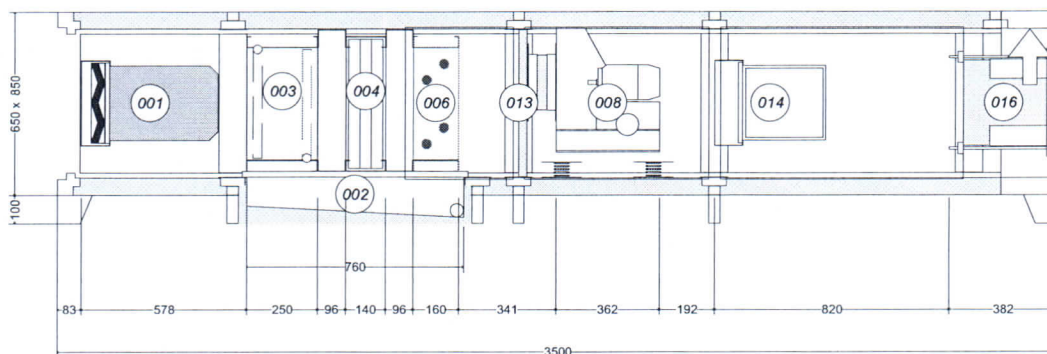






ITEM	Dimensions			Dimensions d'expédition			
	L mm	W mm	H mm	L mm	W mm	H mm	Kg
--000	3500	1100	950	0	0	0	452

FICHE TECHNIQUE

11/03/2008	20/03/2008	P 1 / 7	21052900	A-AAINGINNOWUS[Y*[_acenoru 00030000	Nexus-1 ver.602.3016 NXSCSTSVRI-L069	Altitude 0 (m)
Project CYCLOTRON II ICART				Modèle A1-0650H-0850W		
Ref. CTA X -> 11				Debit 0.25 m3/s		

01	G4+F7	03	P40-16AR 6R-10T-450A-2.5Pa Cu/Al	06	4.0 kW - 1 Step	14	F9
16	H13	17	FA DAMPER 200 x 740 mm				



	PANELS / FRAME			Niveau sonore aérien (dB)									
	Epaisseur		60 mm		A	125 Hz	250 Hz	500 Hz	1 KHz	2 KHz	4 KHz	8 KHz	
	Danssulation		polyuréthane 40 kg/m3		60.7	68	58	59	55	42	48	38	
	Feuille extérieure		CA4SA06	pre-plastifie 0.6 mm - WHITE A4SA		Caractéristiques mécaniques (EN1886)							
	Dansternal sheet		CAL-08	Aluminum Alloy 0.8 mm -		Résistance boîtier		Fuites d'air boîtier		Emetteur thermique		Pont thermique	
CHASSIS EN ALUMINIUM				PR55TT		D1		L1		T2		TB2	
FEET				PIEDE-100				SAVER is participating in the Eurovent Certification Programme for Air Handling Units. The range A1 is certified under the number 03-05-043 and presented in the Directory of Certified Air Handling Units.					
													

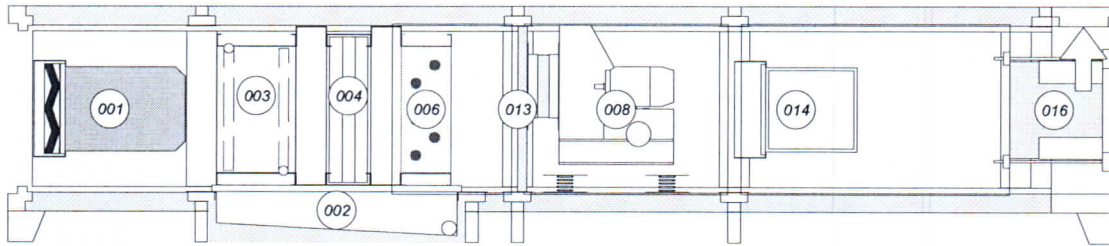
NOTE :

Poids total	
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336 kg

SOUND DATA

11/03/2008	20/03/2008	P 2 / 7	21052900	A=AAINGINNOWUS[Y*[_acenoru	Nexus-1 ver.602.3016	Altitude 0 (m)
Projet				00030000	NXSCSTSVRI-L069	
CYCLOTRON II ICART				Modèle A1-0650H-0850W		
Ref. CTA 4				Debit 0.25 m3/s		



IN-DUCT SOUND POWER LEVEL dB

		125	250	500	1000	2000	4000	8000	A
	INLET	74	80	81	78	70	66	61	82.5
001	G4+F7	-1	-1	-1	-1	-4	-4	-5	
003	P40-16AR 6R-10T-450A-2,5Pa Cu/Al	-3	-3	-3	-3	-4	-4	-4	
008		78	84	85	82	78	74	70	87.3
014	F9	-1	-3	-4	-7	-7	-7	-7	
016	H13	-1	-3	-3	-4	-6	-9	-9	
	OUTLET	76	78	78	71	65	58	54	78.1

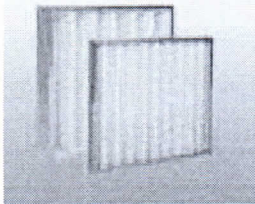
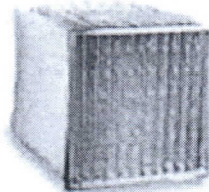
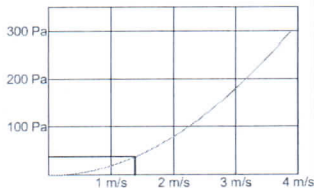
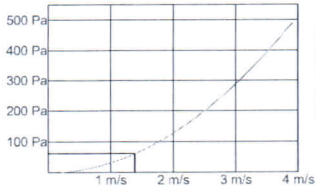
AIRBORNE SOUND POWER LEVEL dB

	125	250	500	1000	2000	4000	8000	A
	68	58	59	55	42	48	38	60.7

FICHE TECHNIQUE

11/03/2008	20/03/2008	P 3 / 7	21052900	A-AAINGINOWUS [Y*] _acenoru	Nexus-1 ver.602.3016	Altitude 0 (m)
Projet				00030000	NXSCSTSVRI-L069	
CYCLOTRON II ICART				Modèle A1-0650H-0850W		
Ref.				Debit 0.25 m3/s		
CTA 4						


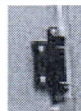
001

FILTERS							
STAGE #	Volume d'air	CLASS	TYPE	Modèle	QTA INTERA	QTY. HALF SIZE	LENGTH MM
1	0.25 m3/s	G4	PANEL	MQZ-48	0	1	48 mm
2	0.25 m3/s	F7	BAG	RH-TF14-08	0	1	380 mm
Frame			acier galvanise				
1			2				
Clean	Final	Avg		Clean	Final	Avg	
38 Pa	250 Pa	144 Pa		61 Pa	280 Pa	170 Pa	
							
ACCESSORIES							

002	CUVE D'EVACUATION						
	Materiau CAL-12			Taille cuve d'evacuation 48.00 mm			

003	COOLING COIL						
	Debit	Q.te	Modele	7.24 dm3	26.51 m2	Air dens.	
	0.25 m3/s	1	P40-16AR 6R-10T-450A-2,5Pa Cu/Al [0 mt]			1.225 kg/m3	
	Cote air	DB	WB	UR	Tootal load	Charge sensible	Vit. air
	Dans	29.00 °C		80.00 %	1x14.5 kW	1x 5.4 kW	1.39 m/s
	Out	11.81 °C		100.00 %			67 Pa
	EAU	temp.	Water flow	P.D. eau	Vitesse eau	Taille connexion	
	Dans	7.00 °C	1 x 0.69 l/s	31 kPa	1.19 m/s	1"	
	Out	12.00 °C				1"	
	NC	Materiau ailettes	Materiau tuyaux	Collecteurs	Chassis	Bride	Contre-bride
	3	AL@0.13mm	CU@0.40mm	Acier	Acier galvanise	NO	NO



004	MOISTURE ELIMINIATOR						
	Debit	Dimensions	bends #	Vit. air	Lames material	Chassis material	Pressure Drop
	0.25 m3/s	1 x 480 x 530 mm	3	1.39 m/s	CAL--05	CAL--15	7

005	ACCESS DOOR						
	Dimensions 540 x 378 mm		Poignee				
							

006	ELECTRIC HEATER						
	Debit	Tootal load	Etages	Pressure Drop			
	0.25 m3/s	4.0 kW	1	20 Pa			
	Dans		Out				
	DB	°C	DB				
	11.83		25.04				

FICHE TECHNIQUE

11/03/2008	20/03/2008	P 4 / 7	21052900	A=AAINGINNOWUS [Y*[_acenoru	Nexus-1 ver.602.3016	Altitude 0 (m)
Projet				00030000	NXSCSTSVRI-L069	
CYCLOTRON II ICART					Modèle	A1-0650H-0850W
Ref.					Debit	0.25 m3/s
CTA 4						

007	ACCESS DOOR					
	Dimensions 540 x 645 mm		Poignee + Charnieres			
						

008

SUPPLY FAN

Debit
1 x 0.25 m3/s

Q.te
1

Model
ER22C-2DN.A7.1R

Diam. Roue
225 mm

I.P.D. mini
318 Pa

Q.te & motor model
1xD71G-2P-0,55KW

☐ Commande par courroie

Maxi I.P.D.
1475 Pa

tr/mn moteur
2800 rpm

Moyenne I.P.D.
896 Pa

Puissance moteur
1 x 0.55 kW

Statique ext.
250 Pa

Total static pressure
1146 Pa

HZ
68.9

RPM
4004 rpm

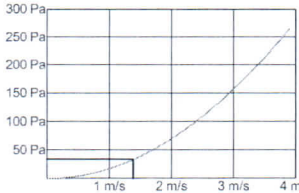
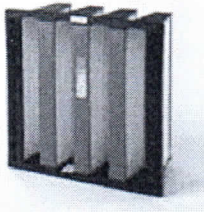
Poissance de coupure
1 x 0.44 kW


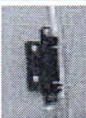
Rendement
65.53 %

SWL (dB)

Frequency (Hz)	SWL (dB)
63	74
125	79
250	84
500	85
1000	83
2000	79
4000	75
8000	70

014

FILTERS							
STAGE #	Volume d'air	CLASS	TYPE	Modèle	QTA INTERA	QTY. HALF SIZE	LENGTH MM
1	0.25 m3/s	F9	RIGID BAG	OPAKFIL-G-CC-98	0	1	290 mm
Frame							
acier galvanise							
1							
Clean	Final	Avg					
33 Pa	250 Pa	141 Pa					
							
ACCESSORIES							

015	ACCESS DOOR					
	Dimensions 540 x 850 mm		Poignee + Charnieres			
						

FICHE TECHNIQUE

11/03/2008	20/03/2008	P 5 / 7	21052900	A=AAINGINNOWUS [Y*]_acencoru	Nexus-1 ver.602.3016	Altitude 0 (m)
Projet				00030000	NXSCSTSVRI-L069	
CYCLOTRON II ICART					Modèle	A1-0650H-0850W
Ref.					Debit	0.25 m3/s
CTA 4						

016

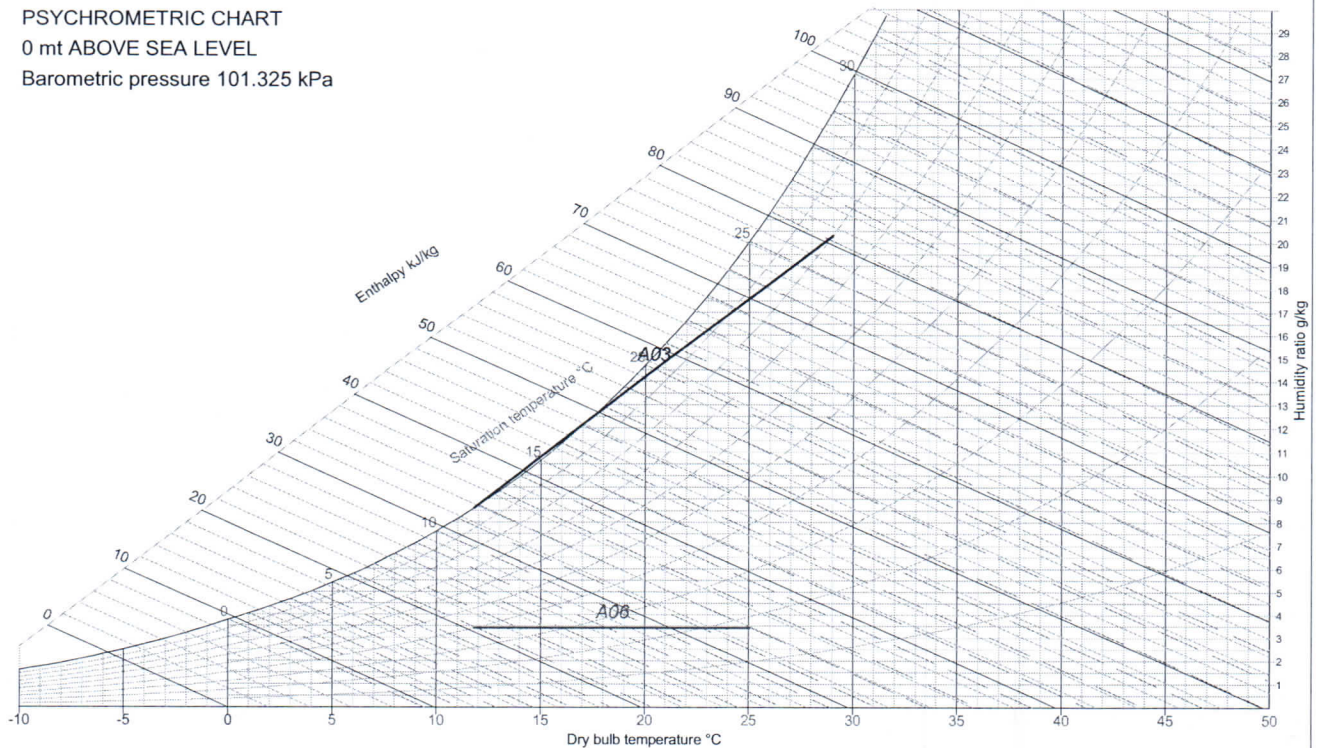
FILTERS							
STAGE #	Volume d'air	CLASS	TYPE	Modèle	QTA INTERA	QTY. HALF SIZE	LENGTH MM
1	0.25 m3/s	H13	HEPA	ST-PM14	0	1	292 mm
Frame							
acier galvanise							
1							
Clean	Final	Avg					
90 Pa	600 Pa	345 Pa					
							
ACCESSORIES							

017	FRESH AIR				
	Debit	Dimensions	Modele	Vit. air	Chute de pression
	0.25 m3/s	200 x 740 mm		1.69 m/s	1 Pa
	Amortisseur	Connexion flexible	Volet	Actuator	
	Non	Non	Non	NO	

SCHEMA PSYCHROMETRIQUE

11/03/2008	20/03/2008	P 6 / 7	21052900	A-AAINGINNOWUS [Y^[_acenoru	Nexus-1 ver.602.3016	Altitude 0 (m)
Projet				00030000	NXSCSTSVRI-L069	
CYCLOTRON II ICART					Modèle	A1-0650H-0850W
Ref.						Debit 0.25 m3/s
CTA 4						

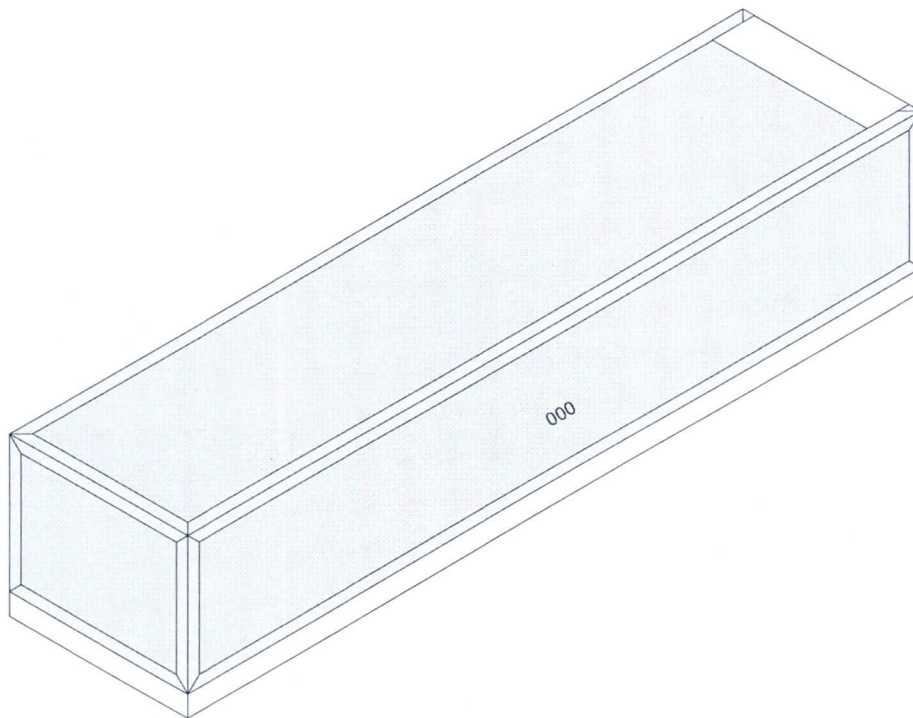
PSYCHROMETRIC CHART
0 mt ABOVE SEA LEVEL
Barometric pressure 101.325 kPa



	Prise					Pa EXH					Charge totale kW	Charge sensible kW
	Bulbe à sec	Bulbe humide	Humidité relative	Enthalpie	Humidité absolue	Bulbe à sec	Bulbe humide	Humidité relative	Enthalpie	Humidité absolue		
	°C	°C	%	kJ/kg	g/kg	°C	°C	%	kJ/kg	g/kg		
A03	29.00	26.14	80.00	81.08	20.33	11.81	11.80	100.00	33.62	8.62		
A06	11.83	5.99	40.00	20.54	3.42	25.04	12.00	17.46	33.91	3.42		

FICHE TECHNIQUE

11/03/2008	20/03/2008	P 7 / 7	21052900	A=AAINGINNOWUS [Y*] _acenoru 00030000	Nexus-1 ver.602.3016 NXSCSTSVRI-L069	Altitude 0 (m)
Projet CYCLOTRON II ICART					Modèle A1-0650H-0850W	
Ref. CTA 4						Debit 0.25 m3/s



ITEM	Dimensions			Dimensions d'expédition			
	L mm	W mm	H mm	L mm	W mm	H mm	Kg
--000	3500	850	750	0	0	0	336