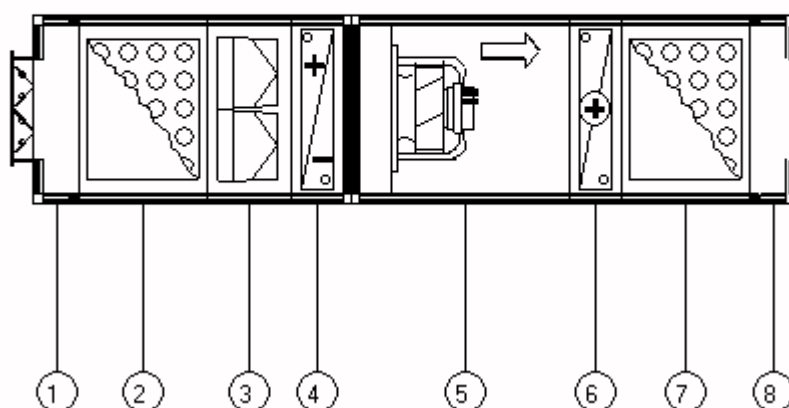


Range: D-AHU		ASTRA 6.2.5		ADN04HDV1 DB=EURD1	
AHU Technical data sheet					
Offer No.	16.YS200C.F.00016-002/006		2016/02/25.		Page 1/5
Unit Quantity	1		Reference		
Project	Parlament				
Unit	AHU02				
Revision	06				

Unit Sketch - Lateral view (not in scale - for description only)



Series	Professional	Unit Configuration	Horizontal
Model No	760x1340	Panel type	SP 45
Return Air Flow		Insulation type	Mineral Wool(90 Kg/m3)
Supply Air Flow	5000,00 m3/h	Aluminum Profile	Natural
Net Overall Height	760 mm Overall 860 mm		
Overall Width	1340 mm Overall 1440 mm		
Outer skin material	Precoated 0.7 mm		
Inner skin material	Galvanized 0.5 mm	Total Weight	503 Kg
Overall Length	3450 mm		
Unit Base Height	100 mm Aluminium		
Ext.Leakage Pos. / Neg. Pres. 0,31% / 0,31%			
Unit Options Included			
1 x Stretch Film		1 x Without Pallet	
UNIT PRICE		Payment	Standard terms and Conditions
		Validity	30 days
Ex. Works - All sections Transportable			
All the information in this report should be considered as indicative and can be subject to variations. To be finalised on our General Arrangement drawing.			
DAIKIN APPLIED EUROPE participates in the ECC Programme for Air Handling Unit; Check ongoing validity of certificate online: www.eurovent-certification.com or using: www.certiflash.com . This casing construction has not been tested.			
Individual sections are supplied for site assembly by others and support legs (if applicable) are supplied loose for site fitting by others			
All quoted fan volumes and noise levels are provided in accordance with the relevant fan manufacturers standard and are subject to industry accepted tolerances			

Component 3		FILTER	Type: Bag Filter	Slide-Aluminium (Polyseal)
Quantity	Class	Dimensions	Thickness: 290 mm	Air flow rate: 1,39 m3/s
		305x610 mm	Filtering media: Glass without Gasket Energy Classification B	
		610x305 mm	Air Velocity: 1,9 m/s	
2	F7	610x610 mm	Pressure selection on filter: Mean	
		610x508 mm	Clean Dp: 56 Pa	
		508x610 mm	Mean Dp.: 128 Pa	
		508x508 mm	Dirty Dp.: 200 Pa	
		Options Included		
		1 x Door without porthole		



Component 5							
Model: MCEC400AQ23							
Size: 400				SUPPLY FAN			
Rot. Speed: 1890 rpm				Single Fan			
Max Rot. Speed: 2550 rpm				Type : EC			
Electrical Power Input: 1,31Kw				Air flow: 5000,00 m3/h			
External static: 250 Pa				TOTAL Efficiency (motor+impeller+electronic): 61,00%			
Component Static: 272 Pa				Quantity : 1			
Total Static: 522 Pa				Dynamic: 47 Pa			
Total Press: 569 Pa				Electronic Interface: 0-10V/PWM/MODBUS			
LWS (dB)							
63 Hz:	125 Hz:	250 Hz:	500 Hz:	1 kHz:	2 kHz:	4 kHz:	8 kHz:
67	66	77	81	82	79	74	71
Motor Data		Quantity: 1	Model: IE4	Power: 3,00 Kw	1 A	Power supply: 3Ph-380-480V	
		Options Included					
		1 x Door without porthole					



Range: D-AHU		ASTRA 6.2.5	
AHU Technical data sheet			
Date	Offer No.	File reference	Page 4/5
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Component 6	HEATING COIL		Fluid: Water Coil
Model: Cu-Al-FeZn P40AC 1R-13T-1035A-2.0pa 2C 3/4"		Calculated in dry condition	
P40			
Rows: 1	N° Coil: 1		
Fin Space: 2,00 mm	Tube diameter: 5/8"		
Tube material: Copper	Fin material: Al		
Water connections: 3/4"/Screwed/ LH	Total Capacity: 36,00 kW		
Air Side		Fluid Side	
Air Flow: 1,39 m3/s	Vel: 2,58 m/s	Fluid Flow: 0,44 kg/s	
Temp. db On: 10,00 °C		Temp. On : 80,00 °C	
Temp. wb On:		Temp. Off : 60,00 °C	
Temp. db Off: 31,20 °C		Press. Drop: 17 kPa	Max Pd : 50 kPa
Temp. wb Off:		Glycol:	
Press. Drop: 27 Pa		Fluid velocity: 1,15 m/s	Fluid Volume: 3,80 dm3

Component 7	ATTENUATOR						
Splitters Num.: 4x200			Splitters Dimensions :635x600 mm			Splitters Spacing: 152 mm	
Material: Tissue			Pres. Drop : 8 Pa				
SPL average attenuation: 27 dB							
63 Hz:	125 Hz:	250 Hz:	500 Hz:	1 kHz:	2 kHz:	4 kHz :	8 kHz:
6 dB	8 dB	13 dB	18 dB	23 dB	21 dB	15 dB	15 dB

Component: 8		END SECTION		Length: 0 mm	
Damper One					
Mounting: HOLE		Rod location:		Alignment:	
Height: 660 mm		Width: 1240 mm		Torque:	
Material:		Press. Drop: 5,00 Pa		External Flexible	
Damper Two					
Mounting:		Rod location:		Alignment:	
Height:		Width:		Torque:	
Material:		Press. Drop:			

	
T.Ext: -5°C	NRUV UVU SFPint: 92 W/m³/s
V.: 1,7m/s	DPint: Supply 56 Pa
	Drive to be installed: VSD

Range: D-AHU		RELEASE ASTRA 6.2.5						
AHU Technical data sheet								
SOUND REPORT								
Offer No	16.YS200C.F.00016-002/006			2016/02/25.		Page 5/5		
Project	Parlament							
Unit	AHU02							
Revision	06							
Panel type	SP 45			Insulation type		MW (90 Kg/m3)		
PANEL SOUND REDUCTION INDEX								
	125 Hz	250 Hz	500 Hz	1 KHz	2 KHz	4 KHz	8 KHz	
dB	13	24	30	35	23	32	36	
SUPPLY	125 Hz	250 Hz	500 Hz	1 KHz	2 KHz	4 KHz	8 KHz	Total
LW	dB	dB	dB	dB	dB	dB	dB	dB(A)
FAN INLET	64	77	76	73	72	68	67	78
FAN OUTLET	66	77	81	82	79	74	71	85
UNIT INLET	49	57	52	43	41	38	37	53
UNIT OUTLET	52	58	59	55	54	51	50	61
AIRBORNE	53	53	51	47	56	42	35	57
RETURN	125 Hz	250 Hz	500 Hz	1 KHz	2 KHz	4 KHz	8 KHz	Total
LW	dB	dB	dB	dB	dB	dB	dB	dB(A)
FAN INLET	0	0	0	0	0	0	0	0
FAN OUTLET	0	0	0	0	0	0	0	0
UNIT INLET	0	0	0	0	0	0	0	0
UNIT OUTLET	0	0	0	0	0	0	0	0
AIRBORNE	0	0	0	0	0	0	0	0