



Air Conditioning Technical Data

Ceiling suspended unit



EEDEN13-131

AHQ-C

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AHQ-C

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1 Features

- Ideal solution for shops, restaurants or offices with no or narrow false ceilings
- Can be installed in both new and existing buildings
- Air filter removes airborne dust particles to ensure a steady supply of clean air
- Easy installation and maintenance



Fan only



Auto cooling-
heating
changeover



Air filter



Infrared remote
control



Wired remote
control

2 Specifications

2-1 Technical Specifications				AHQ71C	AHQ100C	AHQ125C	AHQ140C		
Power input	Cooling	Nom.	kW	0.106	0.149	0.240	0.316		
	Heating	Nom.	kW	0.106	0.149	0.240	0.316		
Casing	Colour			White					
	Material			Galvanised steel					
Dimensions	Unit	Height/Width/Depth	mm	260/1,320/634	260/1,538/634	260/1,786/634	285/1,902/680		
	Packed unit	Height/Width/Depth	mm	352/1,401/734	352/1,620/734	352/1,868/734	351/2,016/788		
Weight	Unit		kg	38	45	54	70		
	Packed unit		kg	45	53	64	75		
Packing	Material			EPS / Corrugated board					
	Weight		kg	7	8	10	5		
Heat exchanger	Length		mm	1,048	1,263	1,513	1,650		
	Rows	Quantity		3		4			
	Fin pitch		mm	1.41			1.81		
	Face area		m ²	0.2640	0.3180	0.3810	0.4190		
	Stages	Quantity		12		10			
	Tube type			Inner Groove			Plain		
	Tube material			Copper					
	Tube diameter		mm	7.00			9.52		
	Fin	Type	Slit fin			Corrugated fin			
		Treatment	Hydrophilic			Bare			
	Fan	Type			Sirocco fan				
Quantity			3	4					
Air flow rate		Cooling	High	m ³ /min	23.8	31.1	34.4	43.9	
				cfm	840	1,100	1,215	1,550	
			Nom.	m ³ /min	21.3	27.8	30.6	39.1	
		Low	cfm	753	983	1,082	1,380		
			Heating	High	m ³ /min	23.8	31.1	34.4	43.9
					cfm	840	1,100	1,215	1,550
Nom.		m ³ /min	21.3	27.8	30.6	39.1			
		cfm	753	983	1,082	1,380			
		Low	High	m ³ /min	18.9	24.8	27.2	28.3	
cfm				669	877	959	1,000		
External static pressure		High	Pa	0					
		Nom.	Pa	0					
		Low	Pa	0					
Fan motor	Quantity			1		2			
	Model			M5CEY35E-1 8P 93W	M5CEY40-50E-1 8P 150W	M5CEY62C-1 8P 80W			
	Index of Protection			20					
	Insulation grade			Class "E"					
	Poles			8					
	Drive			Direct drive					
	Speed	Steps		3					
		Cooling	High/ Medium/Low	rpm	1,235/1,120/1,010	1,300/1,170/1,090	1,310/1,170/1,050	1,310/1,265/1,130	
			Heating	High/ Medium/Low	rpm	1,235/1,120/1,010	1,300/1,170/1,090	1,310/1,170/1,050	1,310/1,265/1,130
	Phase x Voltage			V 1 x 230V					
	Full load amps (FLA)	Cooling	A	0.80	1.12	1.10	2.52		
Heating		A	0.80	1.12	1.10	2.52			
Sound power level	Cooling	High	dBA	62	64	69	70		
	Heating	High	dBA	62	64	69	70		

2 Specifications

2

2-1 Technical Specifications				AHQ71C	AHQ100C	AHQ125C	AHQ140C
Sound pressure level	Cooling	High/Nom./Low	dBA	49/48/46	52/47/46	52/50/49	56/53/46
	Heating	Super high/High/ Nom./Low	dBA	-/49/48/46	-/52/47/46	-/52/50/49	-/56/53/46
Piping connections	Liquid	Type/OD	mm	Flare connection/9.52			
	Gas	Type/OD	mm	Flare connection/15.88			
	Drain			19.05			
	Heat insulation			Both liquid and gas pipes			
Temperature control				Microcomputer control			
Air filter	Type				Removable / washable		
	Quantity		pc	3		4	5

Standard Accessories : Outdoor wiring diagram;

Standard Accessories : Installation manual (Ferrite Core);

Standard Accessories : Ferrite Core;

Standard Accessories : Screw for wireless remote;

Standard Accessories : Battery;

Standard Accessories : Wireless remote control;

Standard Accessories : Drain pipe;

Standard Accessories : Drain hose;

Standard Accessories : Operation manual;

Standard Accessories : Installation manual;

2-2 Electrical Specifications				AHQ71C	AHQ100C	AHQ125C	AHQ140C
Power supply	Name				V1		
	Phase				1~		
	Frequency	Hz					
	Voltage	V	220-240				
Voltage range	Min.	%	-10				
	Max.	%	10				
Wiring connections - 50Hz	For power supply	Remark	4 for interunit wiring (earth wire included)				

3 Safety device settings

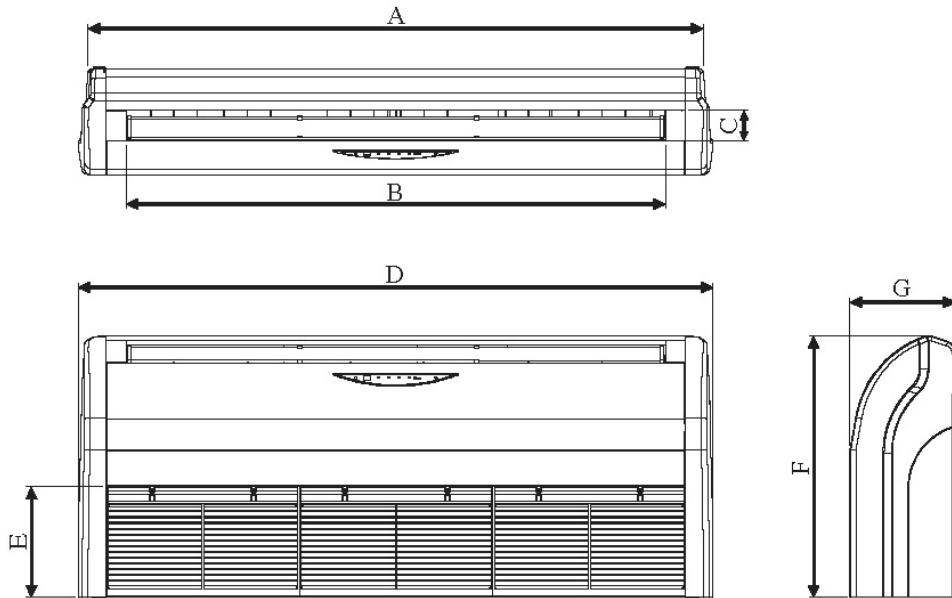
AHQ-C						
	SAFETY DEVICES		AHQ71C	AHQ100C	AHQ125C	AHQ140C
AHQ-C	PC board fuse		250V 6.3A	250V 6.3A	250V 6.3A	250V 6.3A
	Fan motor thermal protector	°C	125	125	125	125
	Drain pump fuse	°C	-	-	-	-

4 Dimensional drawings

4

AHQ71-125C

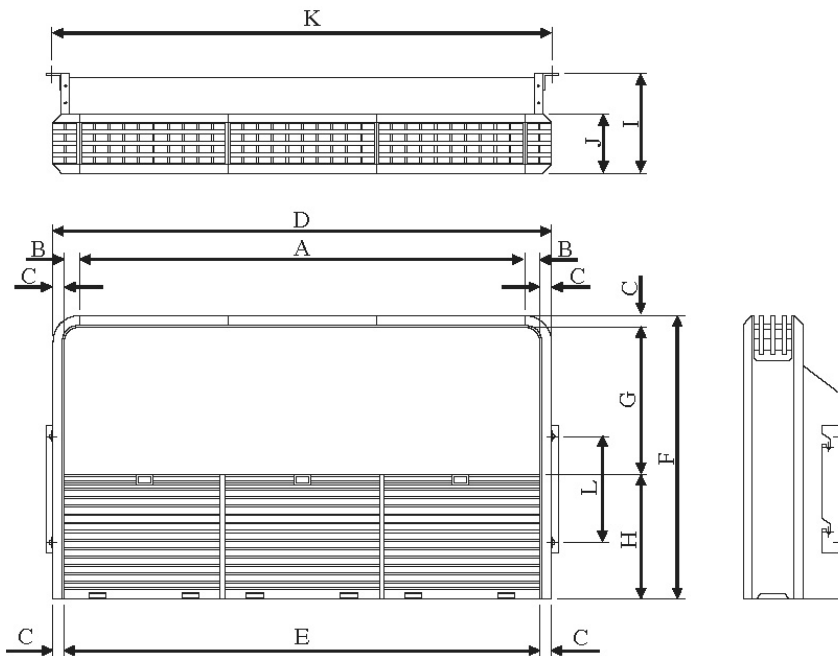
All dimensions are in mm



Model	Dimension	A	B	C	D	E	F	G
AHQ71C		1272	1088	74	1320	268	635	259
AHQ100C		1490	1308	74	1538	268	635	259
AHQ125C		1738	1556	74	1786	268	635	259

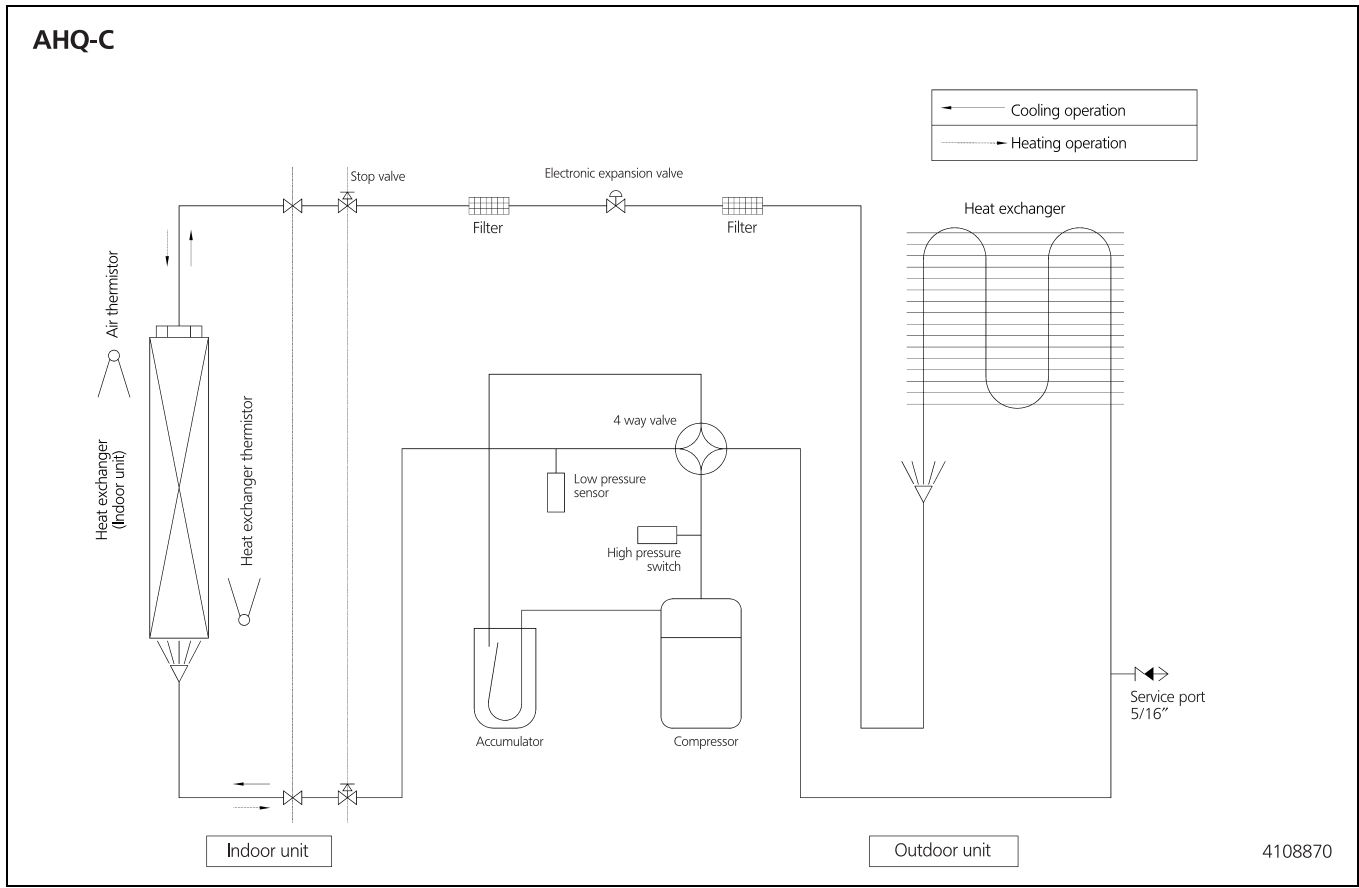
AHQ140C

All dimensions are in mm



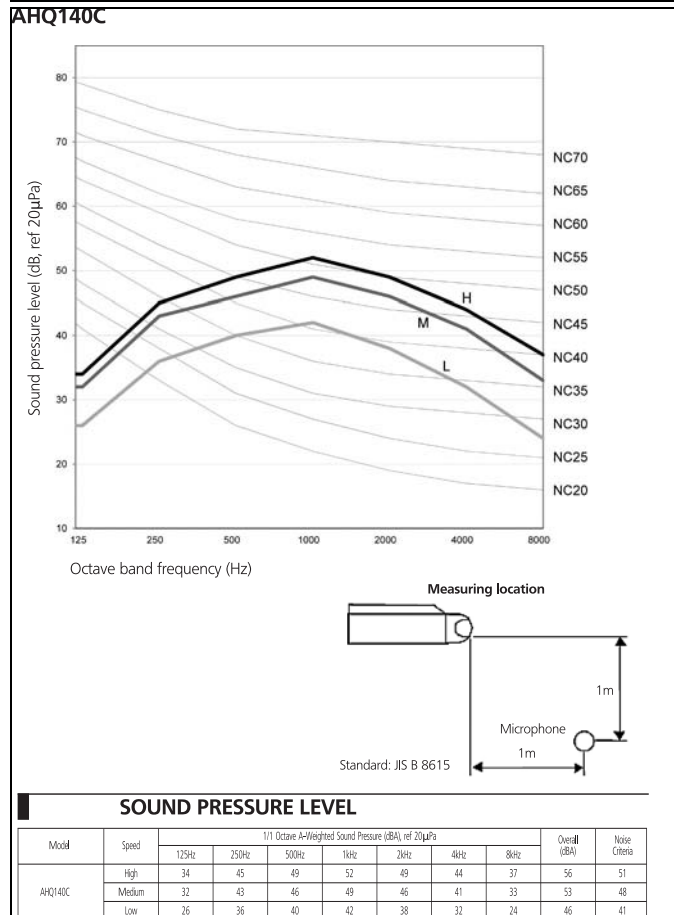
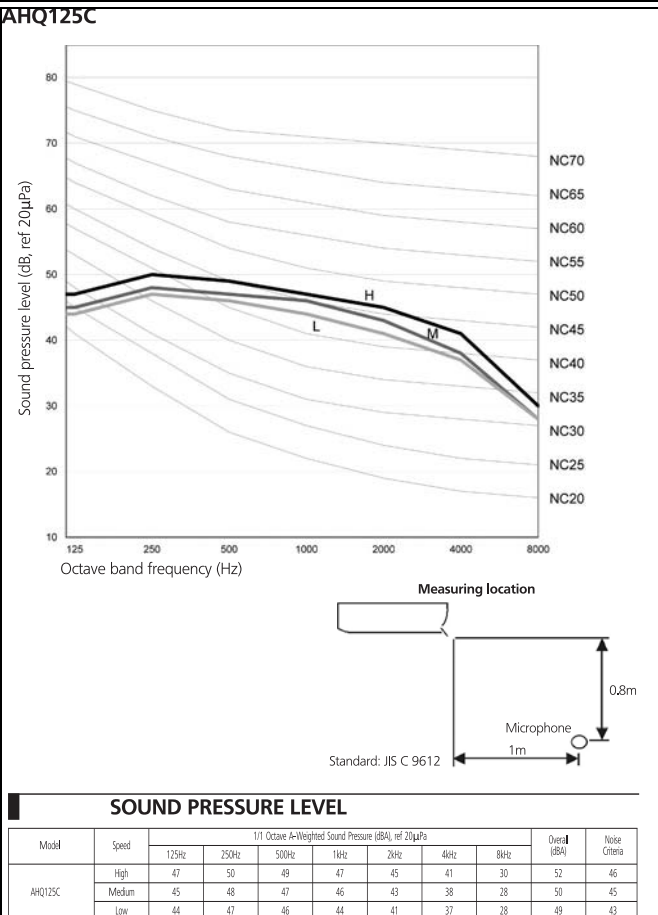
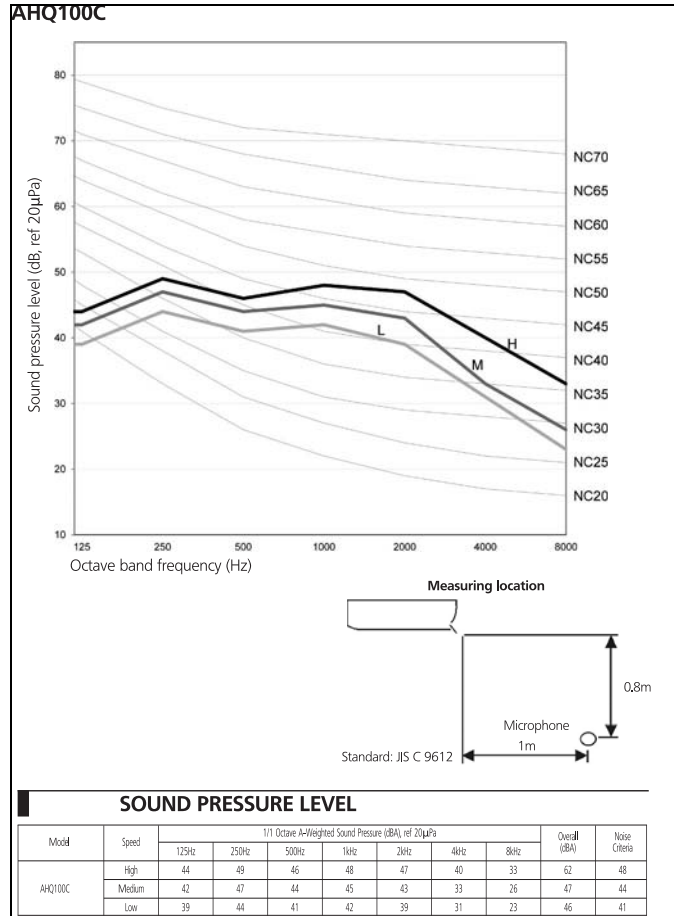
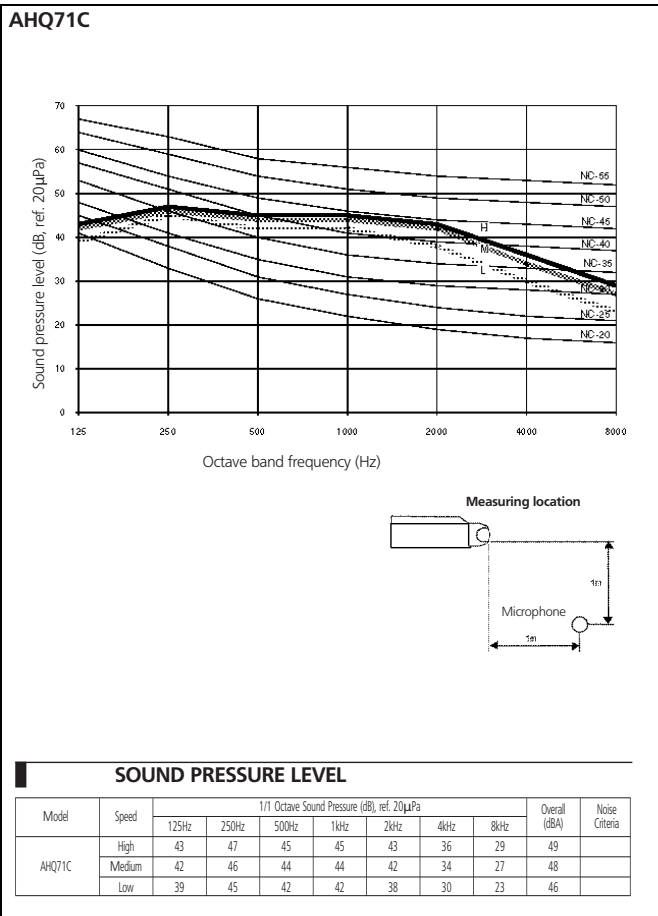
Model	Dimension	A	B	C	D	E	F	G	H	I	J	L	L
AHQ140C		1750	40	36	1903	1830	680	352	292	285	140	1880	250

5 Piping diagrams



7 Sound data

7 - 1 Sound Pressure Spectrum





Daikin Europe N.V. participates in the Eurovent Certification programme for Air conditioners (AC), Liquid Chilling Packages (LCP), Air handling units (AHU) and Fan coil units (FCU). Check ongoing validity of certificate online: www.eurovent-certification.com or using: www.certiflash.com*

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