



Air Conditioning Technical Data

Concealed ceiling unit



EEDEN13-131

ABQ-B

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1 Features

- Ideal solution for shops, restaurants or offices requiring maximum floor space for furniture, decorations and fittings
- Blends unobtrusively with any interior décor: only the suction and discharge grilles are visible
- Compact dimensions, can easily be mounted in a narrow ceiling void
- Air filter removes airborne dust particles to ensure a steady supply of clean air
- Easy installation and maintenance

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2 Specifications

2-1 Technical Specifications				ABQ71B	
Power input - 50Hz	Cooling	Nom.	kW	170	
	Heating	Nom.	kW	170	
Casing	Material			Galvanised steel	
Dimensions	Unit	Height/Width/Depth	mm	285/1,007/600	
	Packed unit	Height/Width/Depth	mm	343/1,138/690	
Weight	Unit		kg	35	
	Packed unit		kg	39	
Packing	Material			EPS / Corrugated board	
	Weight		kg	4	
Heat exchanger	Length		mm	800	
	Rows	Quantity		3	
	Fin pitch		mm	1.41	
	Face area		m ²	240,000	
	Stages	Quantity		14	
	Tube type			Inner Groove	
	Tube material			Copper	
	Tube diameter		mm	7	
	Fin	Type		Slit fin	
		Treatment		Hydrophilic	
Fan	Type			Sirocco fan	
	Quantity			2	
	Air flow rate	Cooling	High	m ³ /min	18.3
				cfm	645
			Nom.	m ³ /min	17.0
				cfm	600
		Heating	High	m ³ /min	15.6
				cfm	550
			Nom.	m ³ /min	18.3
				cfm	645
	Low	High	m ³ /min	17.0	
			cfm	600	
		Nom.	m ³ /min	15.6	
			cfm	550	
External static pressure	High	Pa	88		
	Nom.	Pa	76		
	Low	Pa	63		
Fan motor	Quantity			1	
	Model			MCC28C-506-BOM	
	Index of Protection			20	
	Insulation grade			B	
	Poles			4	
	Drive			Direct drive	
	Speed	Steps		3	
		Cooling	High/ Medium/Low	rpm	1,280/1,190/1,080
			Heating	High/ Medium/Low	rpm
	Phase x Voltage		V	1 x 230V	
Full load amps (FLA)	Cooling	A	0.74		
	Heating	A	0.74		
Sound power level	Cooling	High/Nom./Low	dBA	64/59/54	
	Heating	High/Nom./Low	dBA	64/59/54	
Sound pressure level	Heating	Super high	dBA	-	
Refrigerant	Type			R-410A	

2 Specifications

2-1 Technical Specifications				ABQ71B
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	2

Standard Accessories : Battery;

Standard Accessories : Remote control wiring;

Standard Accessories : Operation manual;

Standard Accessories : Installation manual;

2-2 Electrical Specifications				ABQ71B
Power supply	Name			V1
	Phase			1~
	Frequency		Hz	50
	Voltage		V	220-240
Voltage range	Min.		%	-10
	Max.		%	10
Wiring connections - 50Hz	For power supply		Quantity	3
			Remark	4 for interunit wiring (earth wire included)

3 Safety device settings

3 - 1 Safety Device Settings

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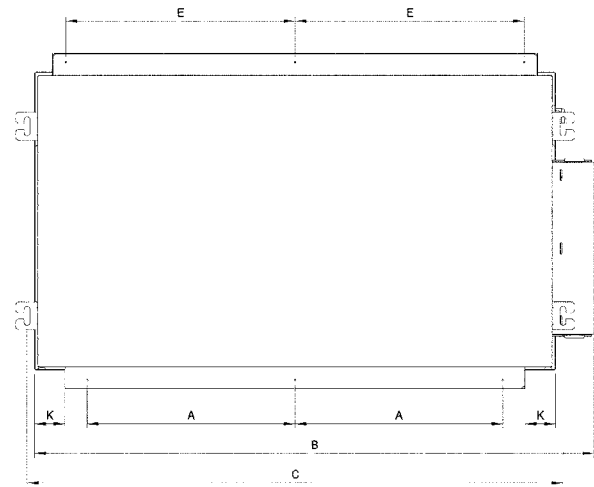
	SAFETY DEVICES		ABQ71B
ABQ-B	PC board fuse		250V 3.15A
	Thermal overload protector	°C	130
	Drain pump fuse	°C	115

4 Dimensional drawings

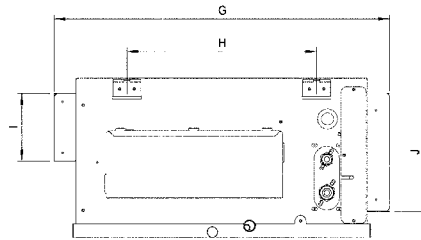
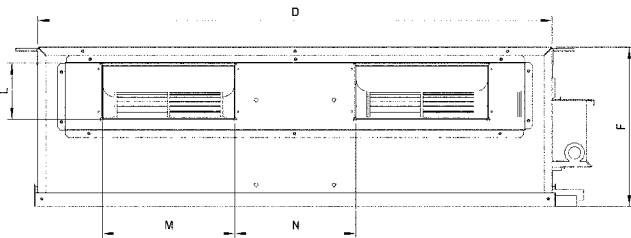
4 - 1 Dimensional Drawings

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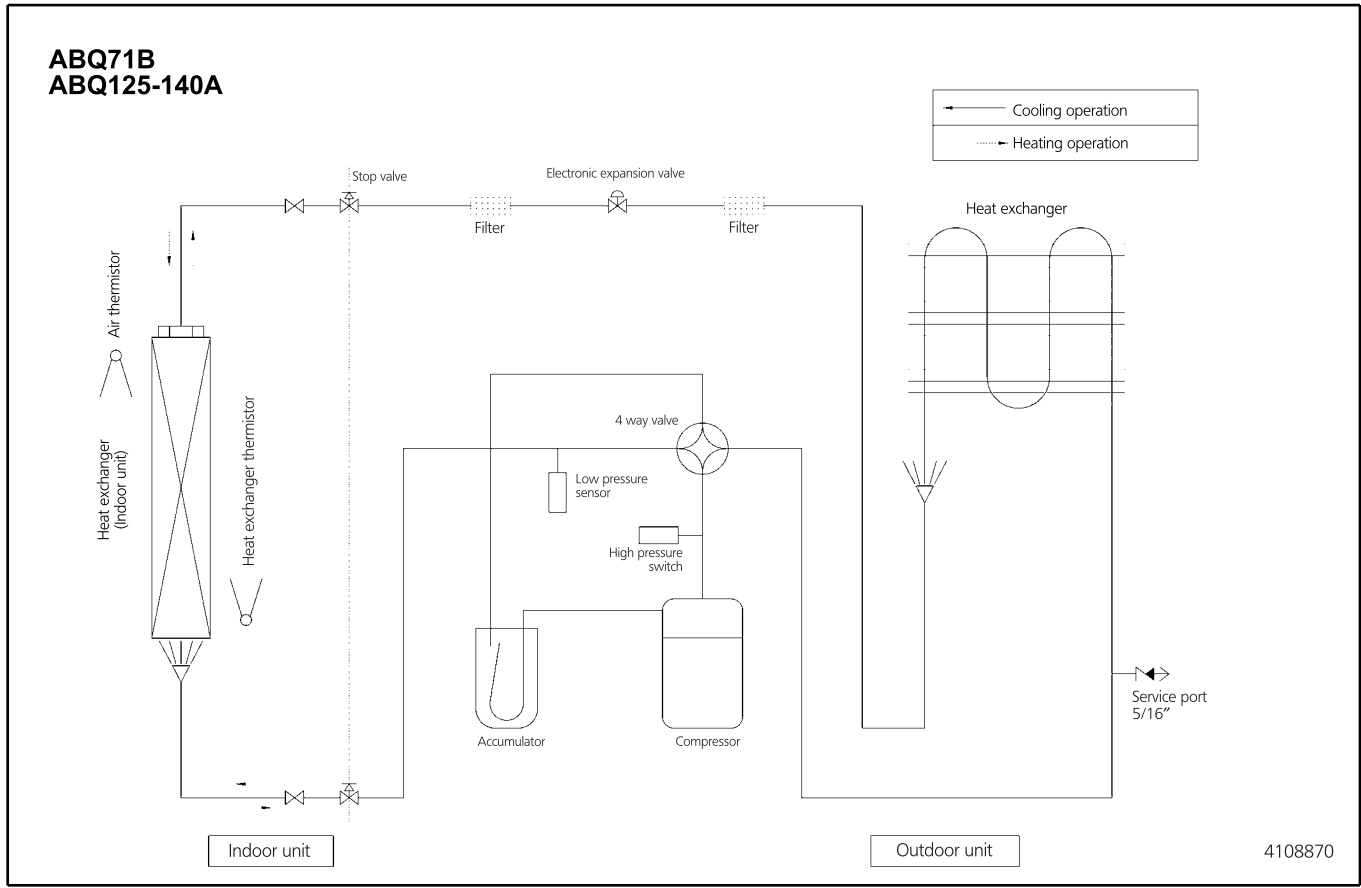
Model	Dimension	A	B	C	D	E	F	G	H	I	J	K	L	M	N
ABQ71B		372	1001	959	920	410	285	600	339	121	213	54	100	237	216



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5 Piping diagrams

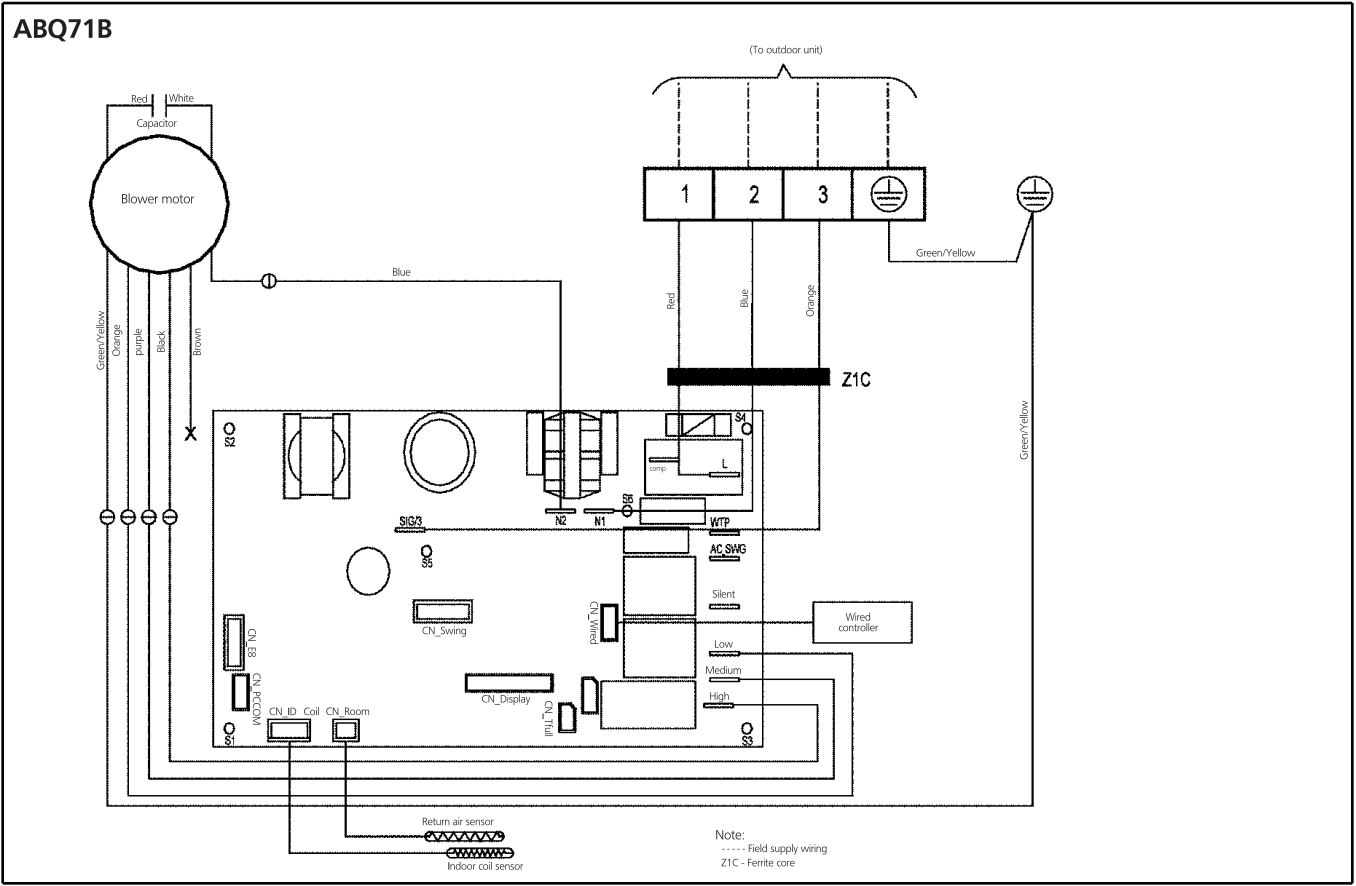
5 - 1 Piping Diagrams



6 Wiring diagrams

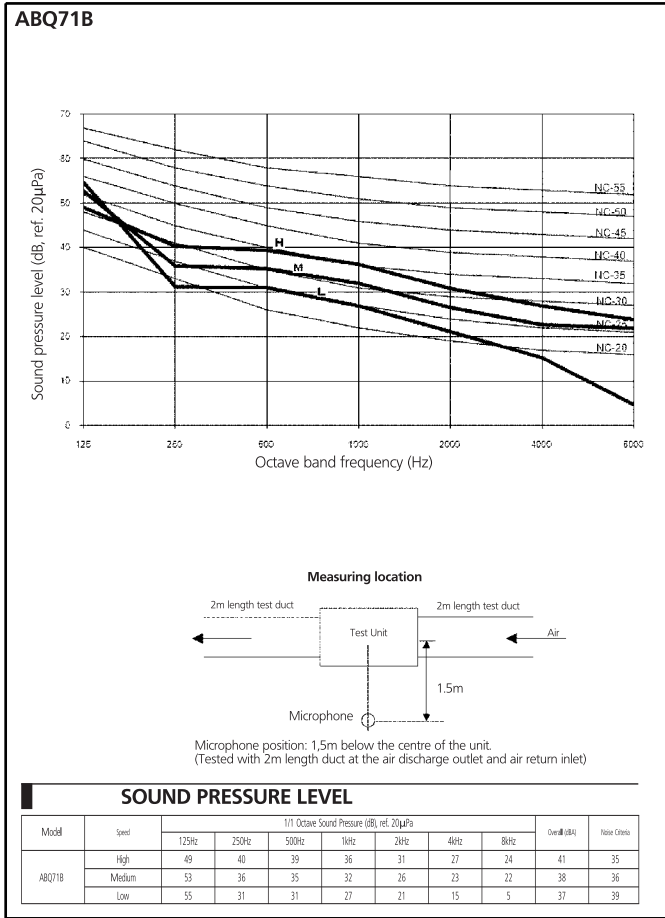
6 - 1 Wiring Diagrams - Single Phase

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7 Sound data

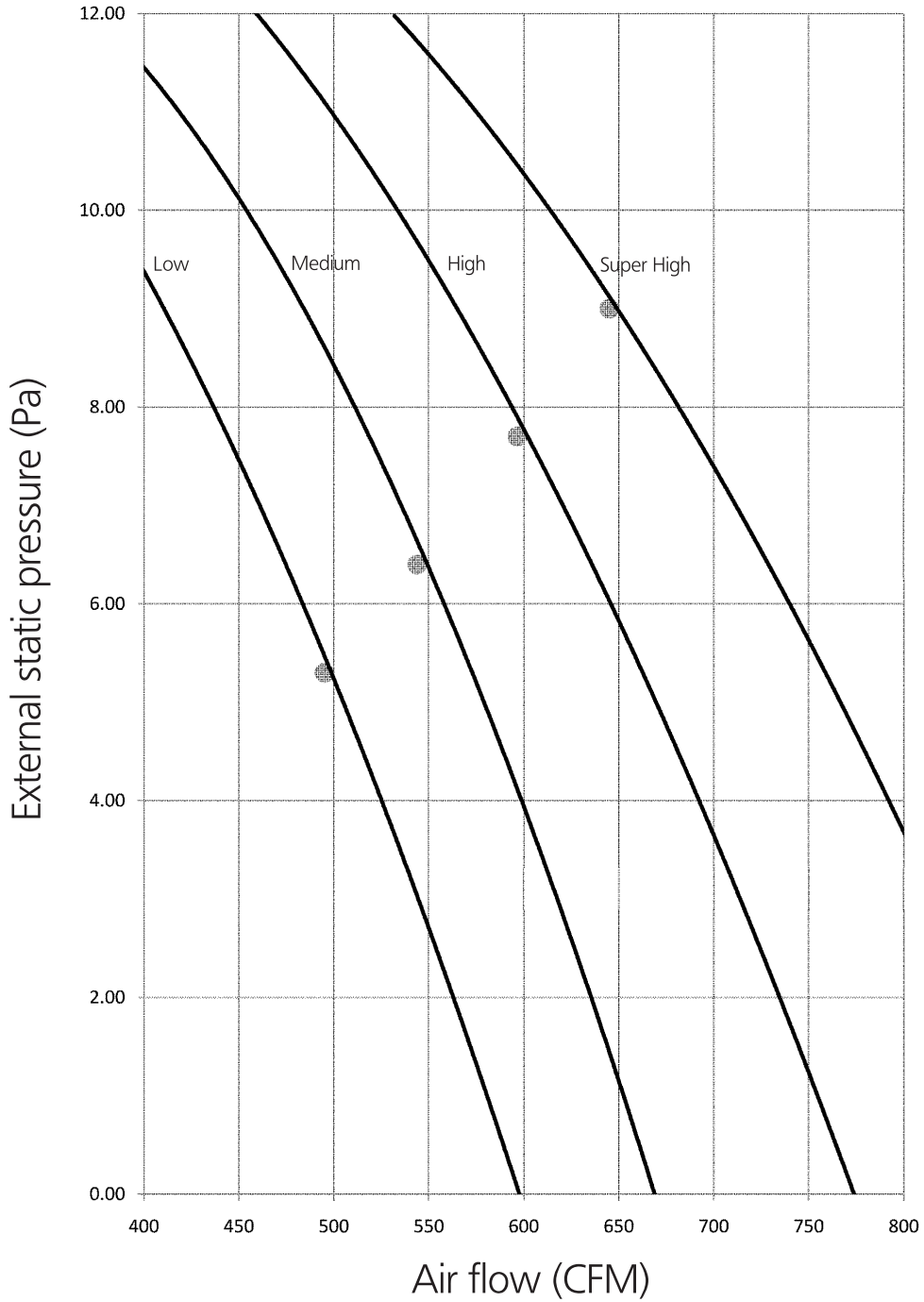
7 - 1 Sound Pressure Spectrum



8 Fan characteristics

8 - 1 Fan Characteristics

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Daikin's unique position as a manufacturer of air conditioning equipment, compressors and refrigerants has led to its close involvement in environmental issues. For several years Daikin has had the intention to become a leader in the provision of products that have limited impact on the environment. This challenge demands the eco design and development of a wider range of products and an energy management system, resulting in energy conservation and a reduction of waste.



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