

technical data



Altherma

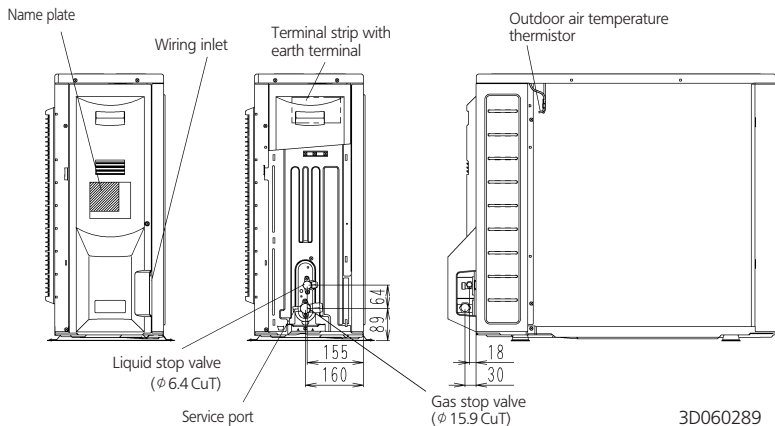
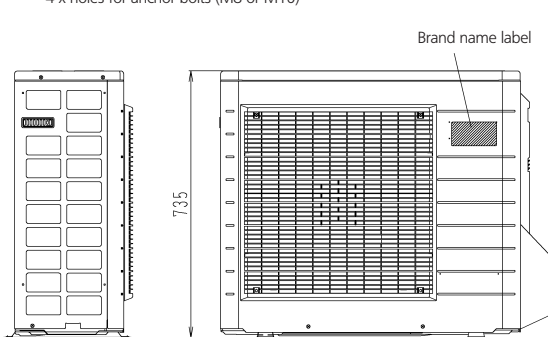
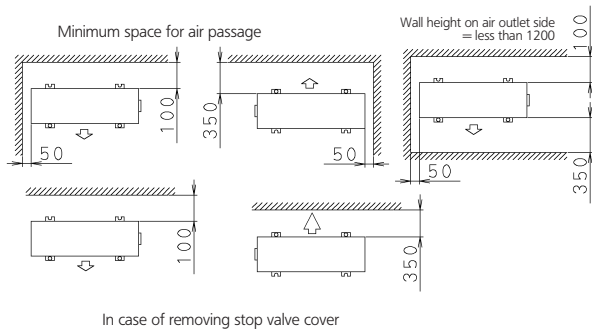
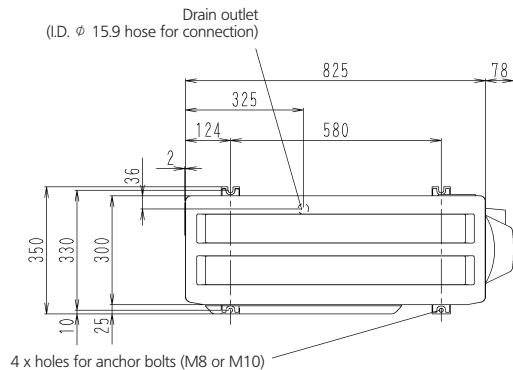
R-410A

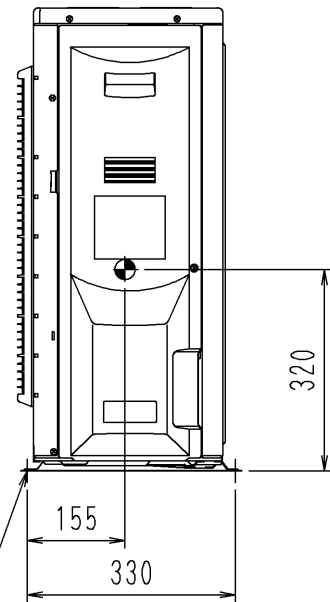
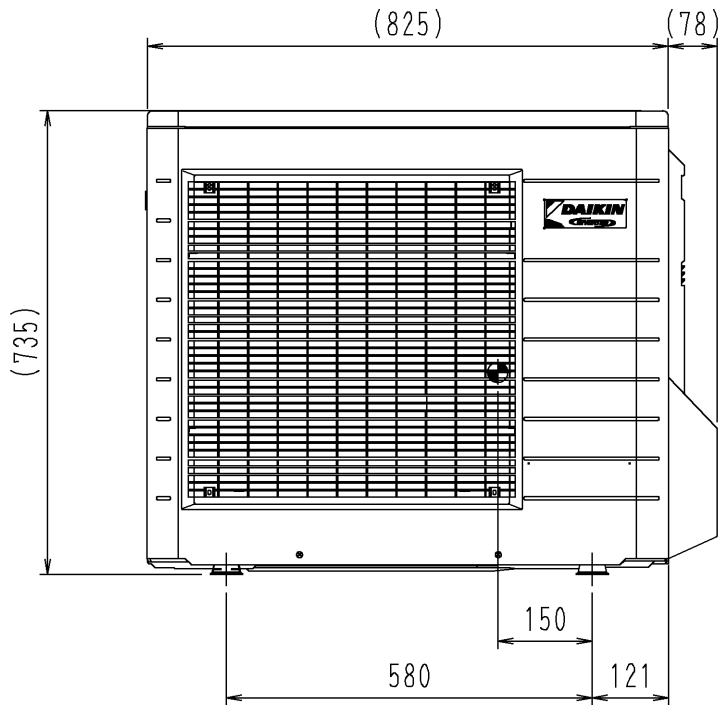
ERHQ006-008AD

					ERHQ006AD	ERHQ007AD	ERHQ008AD			
Specifications										
Nominal Capacity and Nominal Input	For combination indoor units + outdoor units	Indoor Units			EKHBH008AA	EKHBH008AA	EKHBH008AA			
		Condition 1	Heating capacity	Minimum	kW	4.36	4.36	4.36		
				Nominal	kW	5.75	6.84	8.43		
				Maximum	kW	7.45	8.79	9.58		
			Cooling capacity	Minimum	kW					
				Nominal	kW					
				Maximum	kW					
			Heating PI	Nominal	kW	1.26	1.58	2.08		
			Cooling PI	Nominal	kW					
			COP	Nominal		4.56	4.34	4.05		
		EER	Nominal							
		Condition 2	Heating	Minimum	kW	3.87	3.87	3.87		
				Nominal	kW	5.03	6.10	7.64		
				Maximum	kW	6.68	7.98	8.76		
			Cooling	Minimum	kW					
				Nominal	kW					
				Maximum	kW					
			Heating PI	Nominal	kW	1.58	1.95	2.54		
			Cooling PI	Nominal	kW					
			COP	Nominal		3.18	3.13	3.00		
		EER	Nominal							
		Notes				Condition 1: cooling Ta 35°C - LWE 18°C (DT = 5°C) - heating Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C)				
		Notes				Condition 2: cooling Ta 35°C - LWE 7°C (DT = 5°C) - heating Ta DB/WB 7°C/6°C - LWC 45°C (DT = 5°C)				
		Nominal Capacity and Nominal Input	For combination indoor units + outdoor units	Indoor Units			EKHBX008AA	EKHBX008AA	EKHBX008AA	
				Condition 1	Heating capacity	Minimum	kW	4.36	4.36	4.36
						Nominal	kW	5.75	6.84	8.43
						Maximum	kW	7.45	8.79	9.58
Cooling capacity	Minimum				kW	4.82	4.82	4.82		
	Nominal				kW	7.20	8.16	8.37		
	Maximum				kW	7.20	8.50	8.91		
Heating PI	Nominal				kW	1.26	1.58	2.08		
Cooling PI	Nominal				kW	2.27	2.78	2.97		
COP	Nominal					4.56	4.34	4.05		
EER	Nominal				3.17	2.94	2.82			
Condition 2	Heating			Minimum	kW	3.87	3.87	3.87		
				Nominal	kW	5.03	6.10	7.64		
				Maximum	kW	6.68	7.98	8.76		
	Cooling			Minimum	kW	3.67	3.67	3.67		
				Nominal	kW	5.12	5.86	6.08		
				Maximum	kW	5.12	6.13	7.10		
	Heating PI			Nominal	kW	1.58	1.95	2.54		
	Cooling PI			Nominal	kW	2.16	2.59	2.75		
	COP			Nominal		3.18	3.13	3.00		
EER	Nominal				2.37	2.26	2.21			
Notes				Condition 1: cooling Ta 35°C - LWE 18°C (DT = 5°C) - heating Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C)						
Notes				Condition 2: cooling Ta 35°C - LWE 7°C (DT = 5°C) - heating Ta DB/WB 7°C/6°C - LWC 45°C (DT = 5°C)						
Technical Specifications	Casing			Colour			Ivory white			
				Material			Polyester painted galvanised steel			
	Dimensions			Unit	Height	mm	797			
					Width	mm	960			
		Depth	mm		390					
		Packing	Height	mm	735					
			Width	mm	825					
			Depth	mm	300					
	Weight	Unit	kg	56						
		Packed Unit	kg	61						
	Packing	Material			EPS					
		Material			Carton					
		Weight			kg					
	Heat Exchanger	Specifications	Length	mm	845					
			Nr of Rows		2					
			Fin Pitch	mm	1.8					
			Nr of Passes							
			Face Area	m ²						
			Nr of Stages		32					
			Empty Tubeplate Hole							
	Tube type				Hi-Xa(8)					
	Fin	Type				WF fin				
		Treatment				Anti-corrosion treatment (PE)				
	Fan	Type				Propeller				

	Quantity				1			
	Air Flow Rate (nominal at 230V)	Heating	High	m ³ /min				
			Low	m ³ /min				
		Cooling	High	m ³ /min				
			Low	m ³ /min				
	Discharge direction				Horizontal			
	Motor	Quantity			1			
		Model						
		Output			53			
		Speed (nominal at 230V)	Number of steps					
			Heating	rpm				
			Cooling	rpm				
		Output			W			
	Drive							
Compressor	Quantity			1				
	Motor	Model			2YC63BXD#C			
		Type			Hermetically sealed swing compressor			
		Motor Output			W			
		Starting Method			1,920			
		Crankcase Heater			W			
Operation Range	Heating	Min	°CWB	-20				
		Max	°CWB	25				
	Cooling	Min	°CDB	10				
		Max	°CDB	43				
	Sanitary water	Min	°CDB	-20				
		Max	°CDB	43				
Sound Level (nominal)	Heating	Sound Power	dBA	61	61	62		
		Sound Pressure	dBA	48	48	49		
	Cooling	Sound Power	dBA	63	63	63		
		Sound Pressure	dBA	48	48	50		
Sound Level (Night quiet)	Sound pressure		dBA					
	Heating	Sound Pressure	dBA					
	Cooling	Sound Pressure	dBA					
Refrigerant	Type			R-410A				
	Charge			kg				
	Control			1.7				
	Nr of Circuits			Expansion valve(electronic type)				
Refrigerant Oil	Type			FVC50K				
	Charged Volume			l				
Piping Connections	Liquid	Quantity						
		Type			Flare connection			
		Diameter (OD)			mm			
	Gas	Quantity			6.35			
		Type			Flare connection			
		Diameter (OD)			mm			
	Drain	Quantity			15.9			
		Type			Socket			
		Diameter (OD)			mm			
	Piping Length	Minimum			m			
		Maximum			m			
		Equivalent			m			
		Chargeless			m			
	Additional Refrigerant Charge			kg/m				
	Installation height difference	Maximum			m			
		Heat Insulation			0.02>10m			
Defrost Method				Reverse cycle				
Defrost Control				Sensor for outdoor heat exchanger temperature				
Capacity Control Method				Inverter controlled				
Safety Devices								
Standard	Item			Installation manual				
Accessories	Quantity			1				
Standard	Item			Drain plug				
Accessories	Quantity			1				
Notes				See operation range drawing				
Notes				The sound pressure level is measured via a microphone at a				
Electrical Specifications	Power Supply	Name			V3			
		Phase			1~			
		Frequency			Hz			
		Voltage			V			
		Voltage Range	Minimum	V		-10%		
			Maximum	V		+10%		
	Current	Nominal Running Current	Heating (A)	A				
			Cooling (A)	A				
		Z-max	List					
		Text						
		Starting	Heating	A		11		

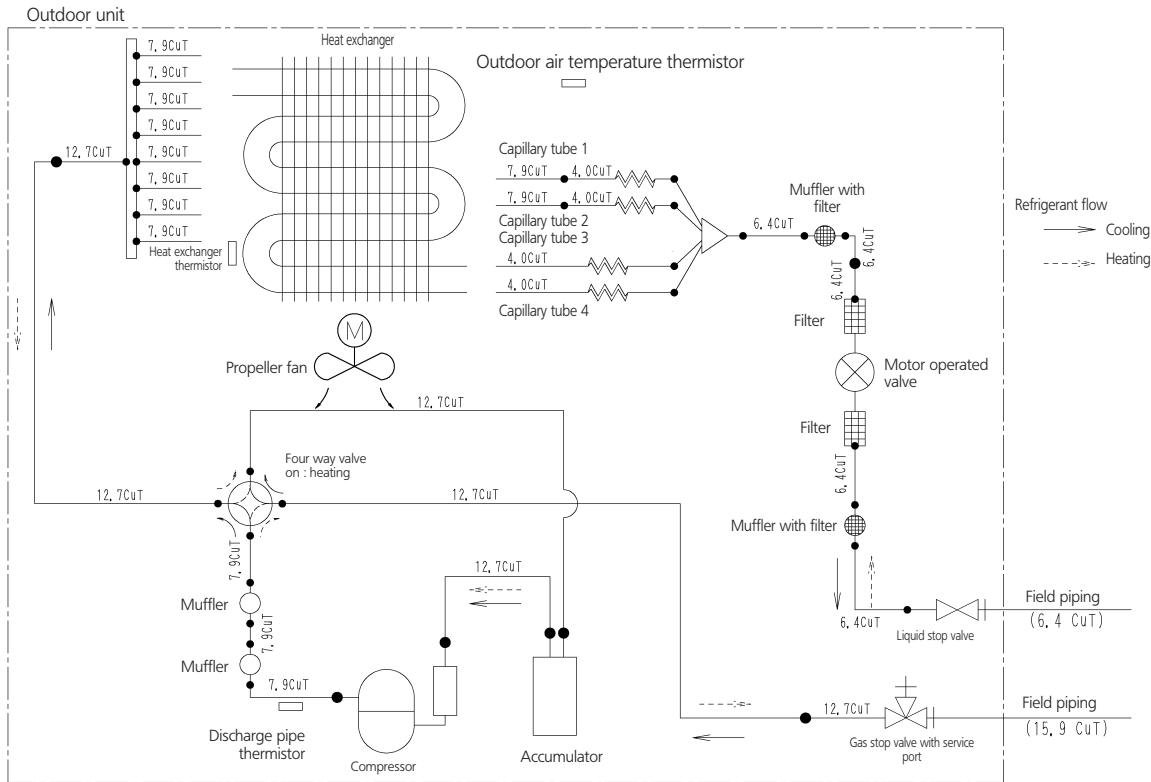
	current	Cooling	A	11
	Maximum	Heating	A	18
	running	Cooling	A	16.25
	Minimum S_{sc} value		kVA	Equipment complying with EN/IEC 61000-3-12
	Recommended fuses		A	20
Wiring Connections	For power	Quantity		3
	supply	Remark		
	For	Quantity		4
	connection	Remark		Included earth wiring
Power				
Notes				



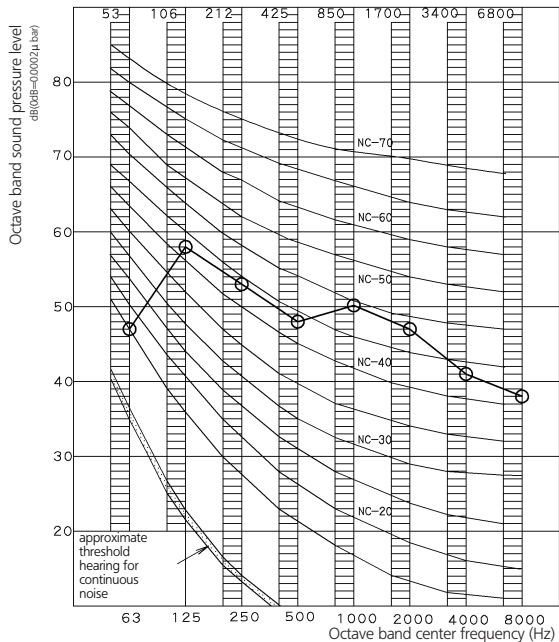


The position of foundation bolt

ERHQ006-008AD



ERHQ 006-008AD Heating



3D052749D

○ — ○ 50HZ 220-240V

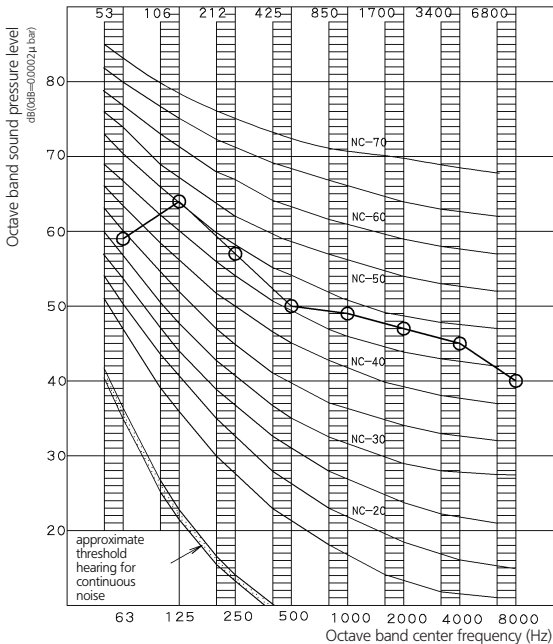
Measured in an echoic room

Heating

Note: Operation noise differs with operation and ambient conditions.

ERHQ 006-008AD

Cooling



3D052749D

○ — ○ 50HZ 220-240V

Measured in an echoic room

Cooling

Note: Operation noise differs with operation and ambient conditions.