

EBHQ-BBV3 EKCBH(X)-BCV3

Daikin Altherma low temperature monobloc



EBHQ-BV3



EKCBH(X)-BBV3



EB(L/H)Q-011-016BB

- > **Single phase reversible monobloc**
- > Energy efficient **heating and cooling** system based on air to water heat pump technology
- > H₂O piping between outdoor unit and indoor heat emitters
- > Low energy bills and low CO₂ emissions
- > Eco-label certified
- > Built-in electric back-up heater as additional heating during extremely cold outdoor temperature
- > Inverter controlled swing compressor
- > Possible to combine with domestic hot water

Space heating and cooling
Optional domestic hot water

Heating & Cooling

Indoor unit				EBHQ006BBV3	EBHQ008BBV3	EKCBH008BCV3	EKCBX008BCV3
Heating capacity	Nom.		kW	6.00 (2) / 5.58 (4)	8.85 (2) / 8.15 (4)	-	-
Cooling capacity	Nom.		kW	7.00 (1) / 5.12 (3)	8.37 (1) / 6.08 (3)	-	-
Power input	Cooling	Nom.	kW	2.20 (1) / 2.16 (3)	2.97 (1) / 2.75 (3)	-	-
	Heating	Nom.	kW	1.41 (2) / 1.79 (4)	2.21 (2) / 2.72 (4)	-	-
COP				4.26 (2) / 3.11 (4)	4.00 (2) / 3.00 (4)	-	-
EER				3.18 (1) / 2.37 (3)	2.82 (1) / 2.21 (3)	-	-
Dimensions	Unit	Height	mm	805		390	
		Width	mm	1,190		412	
		Depth	mm	360		100	
		Depth with remote mounted on front plate	mm	-		120	
Weight	Unit		kg	95		6	
Operation range	Heating	Ambient	Min.~Max. °CWB	-15~25		---	
		Water side	Min.~Max. °C	15 (7)~50 (7)		---	
	Cooling	Ambient	Min.~Max. °CDB	10~43		---	
		Water side	Min.~Max. °C	5~22		---	
	Domestic hot water	Ambient	Min.~Max. °CDB	-15~35		---	
		Water side	Min.~Max. °C	25~80		---	
	Indoor installation	Ambient	Min. °CDB	-		4	
		Max. °CDB	-		35		
Refrigerant	Type			R-410A		-	
	Charge			1.7		-	
Sound power level	Heating	Nom.	dBA	61	62	-	
	Cooling	Nom.	dBA	63		-	
Sound pressure level	Heating	Nom.	dBA	48 (6)	49 (6)	-	
	Cooling	Nom.	dBA	48 (6)	50 (6)	-	
Compressor component	Main power supply	Name			V3		-
		Phase			1~		-
		Frequency			50		-
		Voltage			230		-

(1) Tamb 35°C - LWE 18°C (DT=5°C) (2) DB/WB 7°C/6°C - LWC 35°C (DT=5°C) (3) Tamb 35°C - LWE 7°C (DT=5°C) (4) DB/WB 7°C/6°C - LWC 45°C (Dt=5°C)

- > **Single and three phase reversible monobloc**
- > Energy efficient **heating and cooling** system based on air to water heat pump technology
- > Low energy bills and low CO₂ emissions
- > Eco-label certified
- > H₂O piping between outdoor unit and indoor heat emitters
- > Inverter controlled scroll compressor
- > Built-in electric back-up heater as additional heating during extremely cold outdoor temperature
- > Outdoor unit extracts heat from the outdoor air, even at -20°C
- > Possible to combine with domestic hot water



Space heating and cooling
Optional domestic hot water

Heating & Cooling

Outdoor unit				EBHQ011BB6V3 EBLQ011BB6V3	EBHQ014BB6V3 EBLQ014BB6V3	EBHQ016BB6V3 EBLQ016BB6V3	EBHQ011BB6W1 EBLQ011BB6W1	EBHQ014BB6W1 EBLQ014BB6W1	EBHQ016BB6W1 EBLQ016BB6W1	
Heating capacity	Nom.	kW		11.20 (1) / 10.87 (2)	14.00 (1) / 13.10 (2)	16.00 (1) / 15.06 (2)	11.20 (1) / 10.87 (2)	14.00 (1) / 13.10 (2)	16.00 (1) / 15.06 (2)	
Cooling capacity	Nom.	kW		12.85 (1) / 10.00 (2)	15.99 (1) / 12.50 (2)	16.73 (1) / 13.10 (2)	12.85 (1) / 10.00 (2)	15.99 (1) / 12.50 (2)	16.73 (1) / 13.10 (2)	
Power input	Cooling	Nom.	kW	3.87 (1) / 3.69 (2)	5.75 (1) / 5.39 (2)	6.36 (1) / 5.93 (2)	3.87 (1) / 3.69 (2)	5.40 (1) / 5.06 (2)	6.15 (1) / 5.75 (2)	
	Heating	Nom.	kW	2.56 (1) / 3.31 (2)	3.29 (1) / 4.01 (2)	3.88 (1) / 4.71 (2)	2.60 (1) / 3.21 (2)	3.30 (1) / 4.07 (2)	3.81 (1) / 4.66 (2)	
COP				4.38 (1) / 3.28 (2)	4.25 (1) / 3.27 (2)	4.12 (1) / 3.20 (2)	4.31 (1) / 3.38 (2)	4.24 (1) / 3.22 (2)	4.20 (1) / 3.23 (2)	
EER				3.32 (1) / 2.71 (2)	2.78 (1) / 2.32 (2)	2.63 (1) / 2.21 (2)	3.32 (1) / 2.71 (2)	2.96 (1) / 2.47 (2)	2.72 (1) / 2.28 (2)	
Dimensions	Unit	Height	mm	1,418						
		Width	mm	1,435						
		Depth	mm	382						
Weight	Unit	kg		180						
Hydraulic component	Back-up heater current	Type	6V3			6W1				
		Power supply Phase/Frequency/Voltage	1~/50/230			3~/50/400				
Operation range	Heating	Ambient	Min.~Max. °CWB	-15~35 (EBHQ) / -20~35 (EBLQ)			-15~35 (EBHQ) / -25~35 (EBLQ)			
		Water side	Min.~Max. °C	15 (6)~55 (6)						
	Cooling	Ambient	Min.~Max. °CDB	10~46						
		Water side	Min.~Max. °C	5~22						
	Domestic hot water	Ambient	Min.~Max. °CDB	-15~43 (EBHQ) / -20~43 (EBLQ)			-15~43 (EBHQ) / -25~43 (EBLQ)			
		Water side	Min.~Max. °C	25~80						
Refrigerant	Type	R-410A								
	Charge	kg		2.95						
Sound power level	Heating	Nom.	dBA	64	65	66	64	65	66	
	Cooling	Nom.	dBA	65	66	69	65	66	69	
Sound pressure level	Heating	Nom.	dBA	51 (3)			51 (3)			
	Cooling	Nom.	dBA	50 (3)	52 (3)	54 (3)	50 (3)	52 (3)	54 (3)	
Compressor component	Main power supply	Name	V3			W1				
		Phase	1~			3N~				
		Frequency	Hz		50					
		Voltage	V		230			400		

(1) 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) (2) 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) (3) 15°C-25°C: BUH only, no heat pump operation = during commissioning



ED(L/H)Q-BB

- > **Single and three phase heating only monobloc**
- > Energy efficient **heating only** system based on air to water heat pump technology
- > Low energy bills and low CO₂ emissions
- > Eco-label certified
- > H₂O piping between outdoor unit and indoor heat emitters
- > Inverter controlled scroll compressor
- > Built-in electric back-up heater as additional heating during extremely cold outdoor temperature
- > Possible to combine with domestic hot water



Space heating
Optional
domestic hot
water

Heating only

Outdoor unit				EDHQ11BB6V3 EDLQ011BB6V3	EDHQ14BB6V3 EDLQ014BB6V3	EDHQ16BB6V3 EDLQ016BB6V3	EDHQ11BB6W1 EDLQ011BB6W1	EDHQ14BB6W1 EDLQ014BB6W1	EDHQ16BB6W1 EDLQ016BB6W1		
Heating capacity	Nom.		kW	11.20 (1) / 10.87 (2)	14.00 (1) / 13.10 (2)	16.00 (1) / 15.06 (2)	11.20 (1) / 10.87 (2)	14.00 (1) / 13.10 (2)	16.00 (1) / 15.06 (2)		
Power input	Heating	Nom.	kW	2.56 (1) / 3.31 (2)	3.29 (1) / 4.01 (2)	3.88 (1) / 4.71 (2)	2.60 (1) / 3.21 (2)	3.30 (1) / 4.07 (2)	3.81 (1) / 4.66 (2)		
COP				4.38 (1) / 3.28 (2)	4.25 (1) / 3.27 (2)	4.12 (1) / 3.20 (2)	4.31 (1) / 3.38 (2)	4.24 (1) / 3.22 (2)	4.20 (1) / 3.23 (2)		
Dimensions	Unit	Height	mm	1,418							
		Width	mm	1,435							
		Depth	mm	382							
Weight	Unit		kg	180							
Hydraulic component	Back-up heater current	Type		6V3			6W1				
		Power supply	Phase/Frequency/Voltage	Hz/V	1~/50/230			3~/50/400			
Operation range	Heating	Ambient	Min.~Max.	°CWB			-15~35 (EDHQ) / -20~35 (EDLQ)				
		Water side	Min.~Max.	°C			15 (5)~55 (5)				
	Domestic hot water	Ambient	Min.~Max.	°CDB			-15~43 (EDHQ) / -20~43 (EDLQ)				
		Water side	Min.~Max.	°C			25~80				
Refrigerant	Type			R-410A							
	Charge		kg	2.95							
Sound power level	Heating	Nom.	dB(A)	64	65	66	64	65	66		
Sound pressure level	Heating	Nom.	dB(A)	51 (3)			52 (3)			49 (3)	
Compressor component	Main power supply	Name		V3			W1				
		Phase		1~			3N~				
		Frequency	Hz	50							
		Voltage	V	230			400				

(1) 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) (2) 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) (3) 15°C-25°C: BUH only, no heat pump operation = during commissioning