



Daikin Altherma high temperature split

EKHBRD-ACV1/Y1

Floor standing heating only air to water heat pump combinable with existing radiators

- › Easy replacement of existing boiler, without changing heating pipes
- › Low energy bills and low CO₂ emissions
- › Energy efficient heating only system based on air to water heat pump technology
- › Combinable with high temperature radiators
- › High temperature application: up to 80°C without electric heater
- › Floor standing indoor unit up to 16kW
- › Inverter controlled scroll compressor
- › Outdoor unit extracts heat from the outdoor air, even at -20°C

EKHBRD-ACV1/Y1 + ER(R/S)Q-AV1/AY1/EMRQ-A



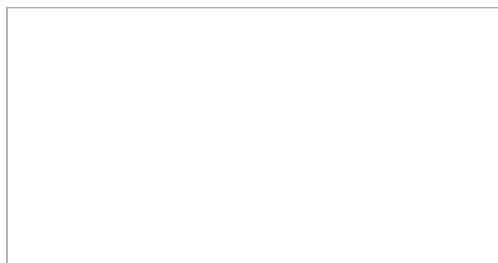
Efficiency data		EKHBRD + ERSQ/ERRQ		011ADV1 + 011AV1	014ADV1 + 014AV1	016ADV1 + 016AV1	011ADY1 + 011AY1	014ADY1 + 014AY1	016ADY1 + 016AY1	
Heating capacity	Nom.			kW	11.00 (1) / 11.00 (2) / 11.00 (3) / 11.20 (3)	14.00 (1) / 14.00 (2) / 14.00 (3) / 14.40 (3)	16.00 (1) / 16.00 (2) / 16.00 (3)	11.00 (1) / 11.00 (2) / 11.00 (3) / 11.20 (3)	14.00 (1) / 14.00 (2) / 14.00 (3) / 14.40 (3)	16.00 (1) / 16.00 (2) / 16.00 (3)
Power input	Heating	Nom.		kW	3.57 (1) / 4.40 (2) / 2.61 (3) / 2.67 (3)	4.66 (1) / 5.65 (2) / 3.55 (3) / 3.87 (3)	5.57 (1) / 6.65 (2) / 4.31 (3)	3.57 (1) / 4.40 (2) / 2.61 (3) / 2.67 (3)	4.66 (1) / 5.65 (2) / 3.55 (3) / 3.87 (3)	5.57 (1) / 6.65 (2) / 4.31 (3)
Domestic hot water heating	General	Declared load profile			-					
	Average climate	η_{wh} (water heating efficiency)		%	-					
		Water heating energy efficiency class			-					
Space heating	Average climate water outlet 55°C	General	SCOP		2.65	2.66	2.61	2.65	2.66	2.61
			η_s (Seasonal space heating efficiency)		103	104	102	103	104	102
			Seasonal space heating eff. class		A+					
	Average climate water outlet 35°C	General	SCOP		2.70	2.68	2.88	2.70	2.68	2.88
η_s (Seasonal space heating efficiency)			105	110	112	105	110	112		
		Seasonal space heating eff. class		B						

Indoor Unit		EKHBRD		011ADV1	014ADV1	016ADV1	011ADY1	014ADY1	016ADY1
Casing	Colour	Metallic grey							
	Material	Precoated sheet metal							
Dimensions	Unit	HeightxWidthxDepth		mm					
Weight	Unit			kg				kg	
Operation range	Heating	Ambient	Min.~Max.	°C					
		Water side	Min.~Max.	°C					
	Domestic hot water	Ambient	Min.~Max.	°CDB					
		Water side	Min.~Max.	°C					
Refrigerant	Type	R-134a							
	Charge			kg				kg	
				TCO ₂ eq				TCO ₂ eq	
	GWP	1,430							
Sound pressure level	Nom.			dBA				dBA	
	Night quiet mode	Level 1		dBA				dBA	

Outdoor Unit		ERSQ/ERRQ		011AV1	014AV1	016AV1	011AY1	014AY1	016AY1
Dimensions	Unit	HeightxWidthxDepth		mm					
Weight	Unit			kg				kg	
Compressor	Quantity	1							
	Type	Hermetically sealed scroll compressor							
Operation range	Heating	Min.~Max.		°CWB					
	Domestic hot water	Min.~Max.		°CDB					
Refrigerant	Type	R-410A							
	Charge			kg				kg	
				TCO ₂ eq				TCO ₂ eq	
	GWP	2,087.5							
				Expansion valve (electronic type)					
Sound power level	Heating	Nom.		dBA				dBA	
Sound pressure level	Heating	Nom.		dBA				dBA	
Power supply	Name/Phase/Frequency/Voltage			Hz/V				Hz/V	
Current	Recommended fuses			A				A	

(1) EW 55°C; LW 65°C; Dt 10°C; ambient conditions: 7°CDB/6°CWB (2) EW 70°C; LW 80°C; Dt 10°C; ambient conditions: 7°CDB/6°CWB (3) EW 30°C; LW 35°C; Dt 5°C; ambient conditions: 7°CDB/6°CWB (4) Contains fluorinated greenhouse gases

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