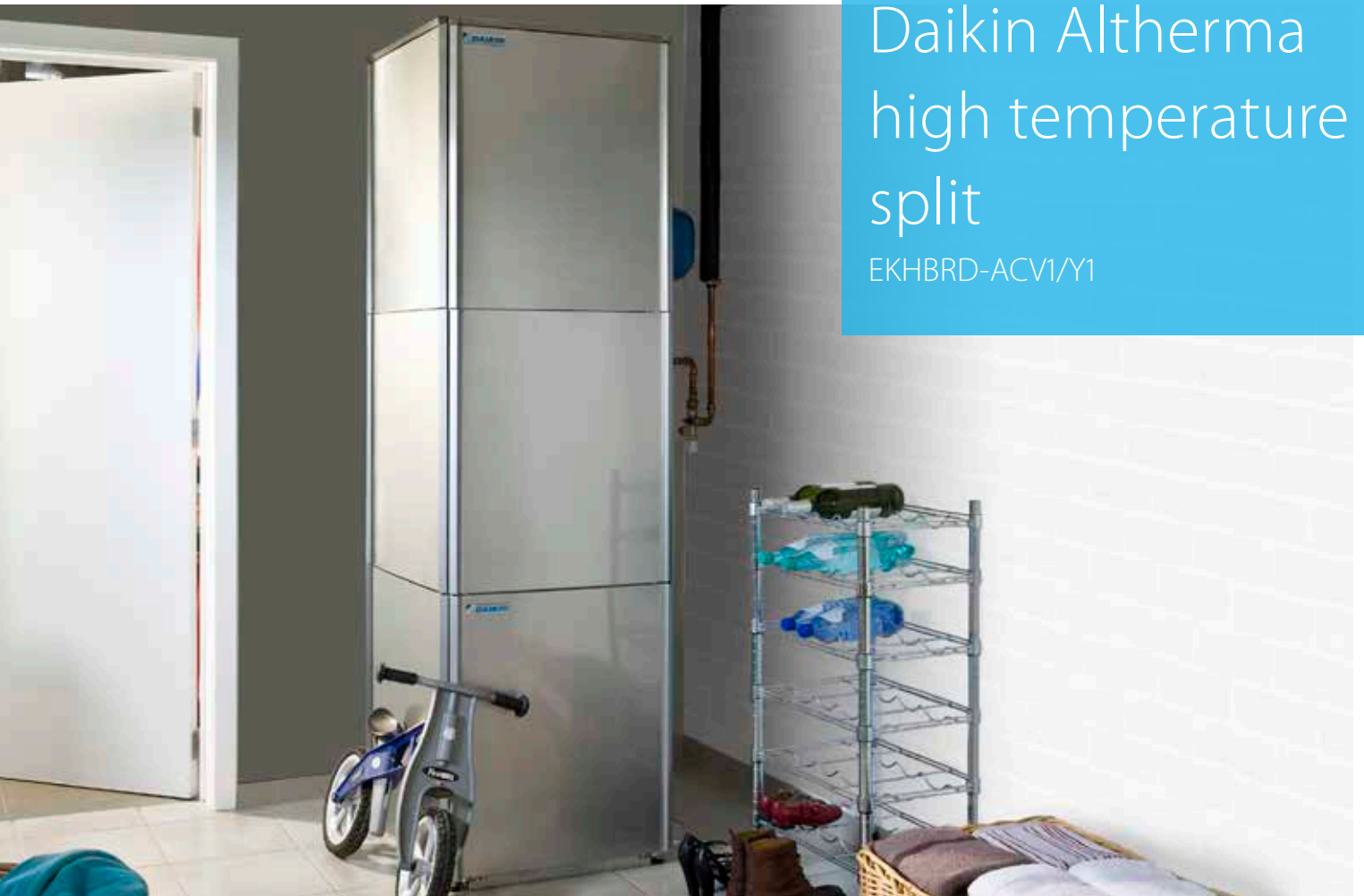


Daikin Altherma high temperature split

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	011ACV1 + ERSQ 011AV1	014ACV1 + ERSQ 014AV1	016ACV1 + ERSQ 016AV1	011ACV1 + ERRQ 011AV1	014ACV1 + ERRQ 014AV1	016ACV1 + ERRQ 016AV1	011ACV1 + ERSQ 011AY1	014ACV1 + ERSQ 014AY1	016ACV1 + ERSQ 016AY1	011ACV1 + ERRQ 011AY1	014ACV1 + ERRQ 014AY1	016ACV1 + ERRQ 016AY1
Heating capacity	Nom.		kW	11 (3) / 11 (4) / 11 (5)	14 (3) / 14 (4) / 14 (5)	16 (3) / 16 (4) / 16 (5)	11 (3) / 11 (4)	14 (3) / 14 (4)	16 (3) / 16 (4)	11 (3) / 11 (4) / 11 (5)	14 (3) / 14 (4) / 14 (5)	16 (3) / 16 (4) / 16 (5)	11 (3) / 11 (4)	14 (3) / 14 (4)	16 (3) / 16 (4)
Power input	Heating	Nom.	kW	3.57 (3) / 4.40 (4) / 2.61 (5)	4.66 (3) / 5.65 (4) / 3.55 (5)	5.57 (3) / 6.65 (4) / 4.31 (5)	3.57 (3) / 4.40 (4)	4.66 (3) / 5.65 (4)	5.57 (3) / 6.65 (4)	3.57 (3) / 4.40 (4) / 2.61 (5)	4.66 (3) / 5.65 (4) / 3.55 (5)	5.57 (3) / 6.65 (4) / 4.31 (5)	3.57 (3) / 4.40 (4)	4.66 (3) / 5.65 (4)	5.57 (3) / 6.65 (4)
COP				3.08 (3) / 2.50 (4) / 4.22 (5)	3.00 (3) / 2.48 (4) / 3.94 (5)	2.88 (3) / 2.41 (4) / 3.72 (5)	3.08 (3) / 2.50 (4)	3.00 (3) / 2.48 (4)	2.88 (3) / 2.41 (4)	3.08 (3) / 2.50 (4) / 4.22 (5)	3.00 (3) / 2.48 (4) / 3.94 (5)	2.88 (3) / 2.41 (4) / 3.72 (5)	3.08 (3) / 2.50 (4)	3.00 (3) / 2.48 (4)	2.88 (3) / 2.41 (4)

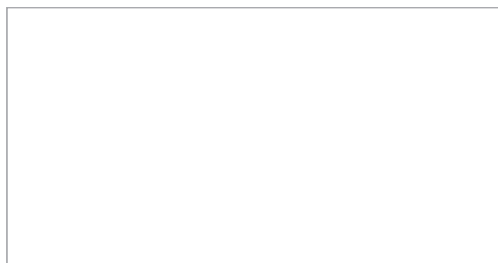
Indoor Unit			EKHBRD	011ACV1	014ACV1	016ACV1	011ACV1	014ACV1	016ACV1	011ACV1	014ACV1	016ACV1	011ACV1	014ACV1	016ACV1
Casing	Colour			Metallic grey											
	Material			Precoated sheet metal											
Dimensions	Unit	HeightxWidthxDepth	mm	705x600x695									147		
Weight	Unit		kg	144									147		
Operation range	Heating	Ambient	Min.~Max. °C	-20~20											
		Water side	Min.~Max. °C	25~80											
	Domestic hot water	Ambient	Min.~Max. °CDB	-20~35											
		Water side	Min.~Max. °C	25~80											
Sound pressure level	Nom.		dBA	43 (1) / 46 (2) / 40 (1)	45 (1) / 46 (2) / 43 (1)	46 (1) / 46 (2) / 45 (1)	43 (1) / 46 (2) / 40 (1)	45 (1) / 46 (2) / 43 (1)	46 (1) / 46 (2) / 45 (1)	43 (1) / 46 (2) / 40 (1)	45 (1) / 46 (2) / 43 (1)	46 (1) / 46 (2) / 45 (1)	43 (1) / 46 (2) / 40 (1)	45 (1) / 46 (2) / 43 (1)	46 (1) / 46 (2) / 45 (1)
	Night quiet mode	Level 1	dBA	40 (1) / 43 (1) / 45 (1) / 46 (2) / 43 (1) / 45 (1) / 46 (2) / 40 (1) / 43 (1) / 45 (1) / 46 (2) / 40 (1) / 43 (1) / 45 (1) / 46 (2) / 40 (1) / 43 (1) / 45 (1)											

Outdoor Unit			ERSQ/ERRQ	ERSQ			ERRQ			ERSQ			ERRQ		
			011AV1	014AV1	016AV1	011AV1	014AV1	016AV1	011AY1	014AY1	016AY1	011AY1	014AY1	016AY1	
Dimensions	Unit	HeightxWidthxDepth	mm 1,345x900x320												
Weight	Unit		kg 120												
Compressor	Quantity		1												
	Type		Hermetically sealed scroll compressor												
Operation range	Heating	Min.~Max. °CWB	-20~20												
	Domestic hot water	Min.~Max. °CDB	-20~35												
Refrigerant	Type / GWP		R-410A / 2,087.5												
	Charge	kg / TCO ₂ Eq	4.5 / 9.4												
Sound power level	Heating	Nom. dBA	68	69	71	68	69	71	68	69	71	68	69	71	
Sound pressure level	Heating	Nom. dBA	52	53	55	52	53	55	52	53	55	52	53	55	
Power supply	Name/Phase/Frequency/Voltage	Hz/V	V1/1~/50/220-440			V1/1~/50/220-240			Y1/3~/50/380-415						
Current	Recommended fuses	A	25						16						

Outdoor Unit			EMRQ	8A		10A		12A		14A		16A			
Heating capacity	Nom.		kW	22.4		28		33.6		39.2		44.8			
Dimensions	Unit	HeightxWidthxDepth	mm	1,680x1,300x765											
Weight	Unit		kg	331						339					
Operation range	Heating	Min.~Max. °CWB	-15~20												
	Domestic hot water	Ambient Min.~Max. °CDB	-15~35												
Refrigerant	Type / GWP		R-410A / 2,087.5												
	Charge	kg / TCO ₂ Eq	10.3 / 21.5			10.6 / 22.1		10.8 / 22.5		11.1 / 23.2					
Piping connections	Liquid	OD	9.52		12.7		13		12.7		28.6		12.7		
	Suction	OD	19.1		22.2		28.6		19.1		22.2		19.1		
	High and low pressure gas	OD	15.9		19.1		22.2		15.9		19.1		15.9		
Piping length	OU - IU	Max. m	100												
	System	Equivalent m	120												
	System	Actual m	300												
Sound power level	Heating	Nom. dBA	78		80		83		84		84		84		
Sound pressure level	Heating	Nom. dBA	58		60		62		63		63		63		
Power supply	Phase/Voltage	V	3~/380-415												

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

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