

# Daikin Altherma high temperature split

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

- › Energy efficient heating only system based on air to water heat pump technology
- › Single phase floor standing indoor unit up to 16kW
- › Three phase floor standing indoor unit up to 16kW
- › High temperature application: up to 80°C without electric heater
- › Easy replacement of existing boiler, without changing heating pipes
- › Combinable with high temperature radiators
- › Low energy bills and low CO<sub>2</sub> emissions
- › Inverter controlled scroll compressor



011-WQ256 → 258



Efficiency data				EKHBRD + ERRQ/ERSQ									
				011ADV17 + ERRQ011AV1	011ADV17 + ERSQ011AV1	014ADV17 + ERRQ014AV1	014ADV17 + ERSQ014AV1	016ADV17 + ER(R/S) Q016AV1	011ADY17 + ERRQ011AY1	011ADY17 + ERSQ011AY1	014ADY17 + ERRQ014AY1	014ADY17 + ERSQ014AY1	016ADY17 + ER(R/S) Q016AY1
Heating capacity	Nom.	kW		11.3 (1) / 11.0 (2) / 11.2 (3)		14.5 (1) / 14.0 (2) / 14.4 (3)		16.0 (1) / 16.0 (2) / 16.0 (3)	11.3 (1) / 11.0 (2) / 11.2 (3)		14.5 (1) / 14.0 (2) / 14.4 (3)		16.0 (1) / 16.0 (2) / 16.0 (3)
Power input	Heating	Nom. kW		3.80 (1) / 4.40 (2) / 2.67 (3)	3.87 (1) / 4.40 (2) / 2.67 (3)	5.02 (1) / 5.65 (2) / 3.87 (3)	5.09 (1) / 5.65 (2) / 3.87 (3)	5.86 (1) / 6.65 (2) / 4.31 (3)	3.80 (1) / 4.40 (2) / 2.67 (3)	3.87 (1) / 4.40 (2) / 2.67 (3)	5.02 (1) / 5.65 (2) / 3.87 (3)	5.09 (1) / 5.65 (2) / 3.87 (3)	5.86 (1) / 6.65 (2) / 4.31 (3)
COP				2.97 (1) / 2.50 (2) / 1.420 (3)	2.92 (1) / 2.50 (2) / 1.420 (3)	2.89 (1) / 2.48 (2) / 1.372 (3)	2.85 (1) / 2.48 (2) / 1.372 (3)	2.73 (1) / 2.41 (2) / 1.372 (3)	2.97 (1) / 2.50 (2) / 1.420 (3)	2.92 (1) / 2.50 (2) / 1.420 (3)	2.89 (1) / 2.48 (2) / 1.372 (3)	2.85 (1) / 2.48 (2) / 1.372 (3)	2.73 (1) / 2.41 (2) / 1.372 (3)
Space heating	Average climate water outlet 55°C	General	SCOP	2.96		2.98		3.01		2.96		2.98	
		Seasonal space heating eff. class	%	115		116		117		115		116	
	Average climate water outlet 35°C	General	SCOP	2.70		2.81		2.88		2.70		2.81	
		Seasonal space heating eff. class	%	105		110		112		105		110	
				C		B		C		B			
<b>Indoor Unit</b>				<b>EKHBRD</b>									
Casing	Colour	Metallic grey											
	Material	Precoated sheet metal											
Dimensions	Unit	HeightxWidthxDepth	705x600x695										
Weight	Unit	kg		144				147					
Operation range	Heating	Ambient	Min.~Max.	-20.0 / 0.00 ~20									
		Water side	Min.~Max.	25~80.0									
	Domestic hot water	Ambient	Min.~Max.	°CDB -20.0~35.0									
		Water side	Min.~Max.	°C 25~80									
Refrigerant	Type	R-134a											
	Charge	kg		2.60									
Sound pressure level	Nom.	dBA		43.0 / 46.0 / 0.00 / 0.00		45.0 / 46.0 / 0.00 / 0.00		46.0 / 46.0 / 0.00 / 0.00		43.0 / 46.0 / 0.00 / 0.00		45.0 / 46.0 / 0.00 / 0.00	
	Night quiet mode Level 1	dBA		40.0 / 0.00 / 0.00		43.0 / 0.00 / 0.00		45.0 / 0.00 / 0.00		40.0 / 0.00 / 0.00		43.0 / 0.00 / 0.00	
<b>Outdoor Unit</b>				<b>ERRQ-011AV1</b>	<b>ERSQ-011AV1</b>	<b>ERRQ-014AV1</b>	<b>ERSQ-014AV1</b>	<b>ERRQ/ERSQ-016AV1</b>	<b>ERRQ-011AY1</b>	<b>ERSQ-011AY1</b>	<b>ERRQ-014AY1</b>	<b>ERSQ-014AY1</b>	<b>ERRQ/ERSQ-016AY1</b>
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	R-410A											
	GWP	2,087.5											
	Charge	kg		4.5									
	Charge	TCO <sub>2</sub> Eq		9.4									
				Expansion valve (electronic type)									
Sound power level	Heating	Nom.	dBA	68		69		71		68		69	
Sound pressure level	Heating	Nom.	dBA	52		53		55		52		53	
Power supply	Name/Phase/Frequency/Voltage	Hz/V		V1/1~/50/220-440				Y1/3~/50/380-415					
Current	Recommended fuses	A		25				16					

(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 | Contains fluorinated greenhouse gases