DAIKIN

Παγκόσμιος Ηγέτης στο **Ιδανικό** Κλίμα.



Αντλίες Θερμότητας

ΚΛΙΜΑΜΗΧΑΝΙΚΗ

Κεντρικά γραφεία Βενιζέλου 5
Έκθεση Βενιζέλου 3 & Αριστείδου 40
55133 Καλαμαριά, Θεσσαλονίκη
Τ.2310440844

info@klimamichaniki.gr | www.klimamichaniki.gr

CE

Daikin Altherma 3 H HT/MT F

Floor standing air to water heat pump for heating and hot water

- A combined stainless steel domestic hot water tank of 180 or 230L and heat pump for easy installation
- Inclusion of all hydraulic components means no third party components are required
- The unit's sleek design blends in with other household appliances.
- Energy efficient heating only system based on air to water heat pump technology
- Quick configuration in 9 steps in a high resolution colour interface wizard



up to A+++ | up to A+ | 65 °C | 70 °C | R-32

011-1W0503
011-1W0504
011-1W0505
011-1W0506
011-1W0507
011-1W0508

011-1W0353-354
011-1W0357-358
011-1W0361-362

ETVH12E6V | ETVH12E9W | EPRA08-12EV3 | EPRA08-12EW1 | ETVH16E6V7 | ETVH16E9W7 | EPRA14-18DV37 | EPRA14-18DW17

Efficiency data				ETVH + EPRA	12S18/23 E6V/9W + 08EV3	12S18/23 E6V/9W + 10EV3	12S18/23 E6V/9W + 12EV3	12S18/23 E6V/9W + 08EW1	12S18/23 E6V/9W + 10EW1	12S18/23 E6V/9W + 12EW1	16S18/23 E6V/9W7 + 14DV37	16S18/23 E6V/9W7 + 16DV37	16S18/23 E67/9W7 + 18DV37	16S18/23 E6V/9W7 + 14DW17	16S18/23 E6V/9W7 + 16DW17	16S18/23 E6V/9W7 + 18DW17
Heating capacity			Nom.	kW	6.17						5.69	9.0		5.90	9.0	
Power input			Heating	kW	1.25			1.21			1.22	1.80		1.23	1.80	
Space heating	Average climate water outlet 55°C	General	SCOP		3.41	3.43		3.52	3.53		3.58			3.57		
			ηs (Seasonal space heating efficiency)	%	134			138			140					
			Seasonal space heating eff. class		A++						A++					
			Prated at -10°C	kW	8.5						13					
	Average climate water outlet 35°C	General	SCOP		4.69	4.71		4.81	4.84		4.51			4.71		
			ηs (Seasonal space heating efficiency)	%	184	186		190	191		177			186		
			Seasonal space heating eff. class		A++						A++					
			Prated at -10°C	kW	8.3						13					
Domestic hot water heating	General	Declared load profile			L						L/XL					
	Average climate	COPdhw			2.72/2.96			2.80/3.05			2.62/2.61			2.51/2.55		
		ηwh (water heating efficiency)		%	117/126			120/130			110/108			106/107		
		Water heating energy efficiency class			A+						A+					

Indoor Unit				ETVH	12S18/23E6V/9W	16S18/23E6V7/9W7
Casing	Material				Precoated sheet metal	Precoated sheet metal
Dimensions	Unit	HeightxWidthxDepth		mm	1,650x595x625/1,850x595x625	1,650x595x625/1,850x595x625
Weight	Unit			kg	108/117	109/118
Tank	Water volume			l	180/230	180/230
	Maximum water temperature			°C	70.0	70.0
	Maximum water pressure			bar	10	10
	Corrosion protection				Pickling	Pickling
Operation range	Indoor installation	Ambient	Min.~Max.	°CDB	5~35	5~35 (3)
	Heating	Water side	Min.~Max.	°CDB	18~65	15~70
	Domestic hot water	Water side	Min.~Max.	°CDB	10~65	10~63
Sound power level	Nom.			dBA	44.0	44.0 (1)
Sound pressure level	Nom.			dBA	30.0	30.0 (2)

Outdoor Unit				EPRA	08EV3	10EV3	12EV3	08EW1	10EW1	12EW1	14DV37	16DV37	18DV37	14DW17	16DW17	18DW17
Dimensions	Unit	HeightxWidthxDepth		mm	1,003x1,270x533						1,003x1,270x533					
Weight	Unit			kg	118						146			150		
Compressor	Quantity				1						1					
	Type				Hermetically sealed swing compressor						Hermetically sealed scroll compressor					
Operation range	Heating		Min.~Max.	°CDB	-28.0~25						-28.0~35					
	Cooling		Min.~Max.	°CDB	10~43						10~43					
	Domestic hot water		Min.~Max.	°CDB	-28~35						-28~35					
Refrigerant	Type				R-32						R-32					
	GWP				675.0						675.0					
	Charge			kg	3.25						4.2					
	Charge			tCO2Eq	2.19						2.84					
	Control				Expansion valve						Expansion valve					
Sound power level	Heating		Nom.	dBA	54.0			55.6			56.0 (4)	56.0	59.0	56.0		59.0
	Cooling		Nom.	dBA	60.1	60.6	61.5	61.2	61.4	60.9	65.0 (5)	65.0				65.0
Sound pressure level	Heating		Nom.	dBA	40.6			41.1			43.0 (6)	43.0	48.0	43.0		48.0
	Cooling		Nom.	dBA	47	47.4	48.5	47.1		47.2	52					
Power supply	Name/Phase/Frequency/Voltage			Hz/V	V3/1~/50/230			W1/3~/50/400			V3/1~/50/230			W1/3~/50/400		
Current	Recommended fuses			A	32			16			32			16		

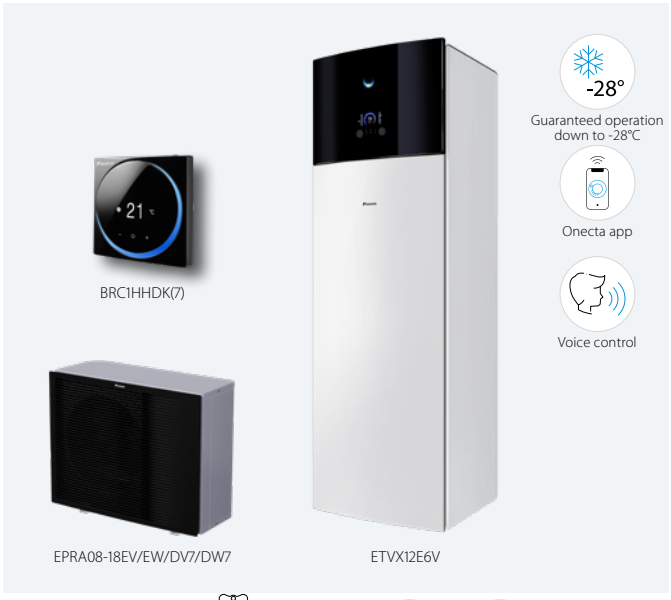
(1)Measured with a pressure drop of 10 kPa in the heating system at an operating condition of leaving water 47-55°C in a room with an ambient of 20°C. DB/WB 7°C/6°. | (3)Depends on operation mode, refer to installation manual. | (4)Cooling Ta 35°C - LWE 18°C (DT = 5°C); Heating Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C) | (5)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) | (6)The sound pressure level is measured via a microphone at a certain distance from the unit. It is a relative value depending on the distance and acoustic environment. Refer to sound spectrum drawing for more information. Condition: Ta DB/WB 7°C/6°C - LWC 3 | Capacity according to standard EN14511 and valid for heated water range dT = 3~8°C at Ta 7°C | Condition: Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C) | Cooling: EW 23°C; LW 18°C; ambient conditions: 35°CDB | Cooling: EW 12°C; LW 7°C; ambient conditions: 35°CDB | Power input is total input of indoor and outdoor units, including the circulation pump; according to EN14511 | Test at Ta DB/WB 7°C/6°C. According to EN 16147. | DB/WB 7°C/6°C - LWC 35°C (dT=5°C) with pump at full speed | Operation area is extended to lower flow rates only in case the unit operates with heat pump only. (Not in startup, no BUH operation, no defrost operation). | Based on a dT of 45 K | Including piping + back-up heater; excluding expansion vessel | Excluding the water in the unit. This minimum water volume is sufficient for most applications. During critical processes extra water may be required. | Refer to operation range of the unit. | Above mentioned power supply of the hydrobox is for the backup heater only. The switch box and the pump of the hydrobox are supplied via the outdoor unit. The optional domestic hot water tank has a separate power supply. | 4 pole 20 A curve 400V tripping class C (refer to wiring diagram) | The sound pressure level is measured via a microphone at a certain distance from the unit. It is a relative value depending on the distance and acoustic environment. Refer to sound spectrum drawing for more information. Condition: Ta 35°C - LWE 7°C (DT = | Percentage of heating capacity at Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C)

DAIKIN altherma

Daikin Altherma 3 H HT/MT F

Floor standing air to water heat pump for heating, cooling and hot water

- A combined stainless steel domestic hot water tank of 180 or 230L and heat pump for easy installation
- Inclusion of all hydraulic components means no third party components are required
- The unit's sleek design blends in with other household appliances.
- For hot water, heating and cooling
- Quick configuration in 9 steps in a high resolution colour interface wizard



up to A+++ | up to A+ | 65 °C | 70 °C | R-32

011-1W0503
011-1W0504
011-1W0505
011-1W0506
011-1W0507
011-1W0508

011-1W0353-354
011-1W0357-358
011-1W0361-362

ETVX12E6V | ETVX12E9W | EPRA08-12EV3 | EPRA08-12EW1 | ETVX16E6V7 | ETVX16E9W7 | EPRA14-18DV37 | EPRA14-18DW17

Efficiency data					ETVX + EPRA	12S18/23 E6V/9W + 08EV3	12S18/23 E6V/9W + 10EV3	12S18/23 E6V/9W + 12EV3	12S18/23 E6V/9W + 08EW1	12S18/23 E6V/9W + 10EW1	12S18/23 E6V/9W + 12EW1	16S18/23 E6V/9W7 + 14DV37	16S18/23 E6V/9W7 + 16DV37	16S18/23 E6V/9W 7 + 18DV37	16S18/23 E6V/9W 7 + 14DW17	16S18/23 E6V/9W 7 + 16DW17	16S18/23 E6V/9W 7 + 18DW17
Heating capacity			Nom.	kW		6.17						5.69	9.0		5.90	9.0	
Power input			Heating	kW		1.25			1.21			1.22	1.80		1.23	1.80	
Space heating	Average climate water outlet 55°C	General	SCOP			3.47	3.48		3.59	3.60		3.62			3.63		
			ηs (Seasonal space heating efficiency)	%		136			141			142					
			Seasonal space heating eff. class			A+++			A+++			A+++					
			Prated at -10°C	kW		8.5						13					
	Average climate water outlet 35°C	General	SCOP			4.79	4.82		4.95	4.98		4.57			4.81		
			ηs (Seasonal space heating efficiency)	%		188	190		195	196		180			190		
			Seasonal space heating eff. class			A+++			A+++			A+++					
			Prated at -10°C	kW		8.5						13					
Domestic hot water heating	General	Declared load profile				L/XL						L/XL					
	Average climate	COPdhw				2.72/2.96			2.80/3.05			2.62/2.61			2.51/2.55		
		ηwh (water heating efficiency)		%		117/126			120/130			110/108			106/107		
		Water heating energy efficiency class				A+						A+					

Indoor Unit					ETVX	12S18/23E6V/9W	16S18/23E6V/9W 7
Casing	Material					Precoated sheet metal	Precoated sheet metal
Dimensions	Unit	HeightxWidthxDepth		mm		1,650x595x625/1,850x595x625	1,650x595x625/1,850x595x625
Weight	Unit			kg		108/117	109/118
Tank	Water volume			l		180/230	180/230
	Maximum water temperature			°C		70.0	70.0
	Maximum water pressure			bar		10	10
	Corrosion protection					Pickling	Pickling
Operation range	Indoor installation	Ambient	Min.~Max.	°CDB		5~35	5~35 (3)
	Heating	Water side	Min.~Max.	°CDB		18~65	15~70
	Domestic hot water	Water side	Min.~Max.	°CDB		10~65	10~63
Sound power level	Nom.			dBA		44.0	44.0 (1)
Sound pressure level	Nom.			dBA		30.0	30.0 (2)

Outdoor Unit				EPRA	08EV3	10EV3	12EV3	08EW1	10EW1	12EW1	14DV37	16DV37	18DV37	14DW17	16DW17	18DW17
Dimensions	Unit	HeightxWidthxDepth	mm		1,003x1,270x533						1,003x1,270x533					
Weight	Unit		kg		118						146			150		
Compressor	Quantity				1						1					
	Type				Hermetically sealed swing compressor						Hermetically sealed scroll compressor					
Operation range	Heating	Min.~Max.	°CDB		-28.0~25						-28.0~35					
	Cooling	Min.~Max.	°CDB		10~43						10~43					
	Domestic hot water	Min.~Max.	°CDB		-28~35						-28~35					
Refrigerant	Type				R-32						R-32					
	GWP				675.0						675.0					
	Charge		kg		3.25						4.2					
	Charge		tCO2Eq		2.19						2.84					
	Control				Expansion valve						Expansion valve					
Sound power level	Heating	Nom.	dBA		54.0			55.6			56.0 (4)	56.0	59.0	56.0		59.0
	Cooling	Nom.	dBA		60.1	60.6	61.5	61.2	61.4	60.9	65.0 (5)	65.0				
Sound pressure level	Heating	Nom.	dBA		40.6			41.1			43.0 (6)	43.0	48.0	43.0		48.0
	Cooling	Nom.	dBA		47	47.4	48.5	47.1		47.2	52					
Power supply	Name/Phase/Frequency/Voltage		Hz/V		V3/1~/50/230			W1/3~/50/400			V3/1~/50/230			W1/3~/50/400		
Current	Recommended fuses		A		32			16			32			16		

(1)Measured with a pressure drop of 10 kPa in the heating system at an operating condition of leaving water 47-55°C in a room with an ambient of 20°C. DB/WB 7°C/6°. | (3)Depends on operation mode, refer to installation manual. | (4)Cooling Ta 35°C - LWE 18°C (DT = 5°C); Heating Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C) | (5)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) | (6)The sound pressure level is measured via a microphone at a certain distance from the unit. It is a relative value depending on the distance and acoustic environment. Refer to sound spectrum drawing for more information. Condition: Ta DB/WB 7°C/6°C - LWC 3 | Capacity according to standard EN14511 and valid for heated water range dT = 3~8°C at Ta 7°C | Condition: Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C) | Cooling: EW 23°C; LW 18°C; ambient conditions: 35°CDB | Cooling: EW 12°C; LW 7°C; ambient conditions: 35°CDB | Power input is total input of indoor and outdoor units, including the circulation pump; according to EN14511 | Test at Ta DB/WB 7°C/6°C. According to EN 16147. | DB/WB 7°C/6°C - LWC 35°C (dT=5°C) with pump at full speed | Operation area is extended to lower flow rates only in case the unit operates with heat pump only. (Not in startup, no BUH operation, no defrost operation). | Based on a dT of 45 K | Including piping + back-up heater; excluding expansion vessel | Excluding the water in the unit. This minimum water volume is sufficient for most applications. During critical processes extra water may be required. | Refer to operation range of the unit. | Above mentioned power supply of the hydrobox is for the backup heater only. The switch box and the pump of the hydrobox are supplied via the outdoor unit. The optional domestic hot water tank has a separate power supply. | 4 pole 20 A curve 400V tripping class C (refer to wiring diagram) | The sound pressure level is measured via a microphone at a certain distance from the unit. It is a relative value depending on the distance and acoustic environment. Refer to sound spectrum drawing for more information. Condition: Ta 35°C - LWE 7°C (DT = | Percentage of heating capacity at Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C)

Daikin Altherma 3 H HT/MT F

Floor standing unit integrated with different temperature zones management

- Integrated indoor unit: all-in-one floor standing unit including the domestic hot water tank
- Inclusion of all hydraulic components means no third party components are required
- The unit's sleek design blends in with other household appliances.
- Bi-zone allows temperature monitoring for 2 zones. Connect underfloor heating to radiators to optimise efficiency
- Quick configuration in 9 steps in a high resolution colour interface wizard



011-1W0503
011-1W0504
011-1W0505
011-1W0506
011-1W0507
011-1W0508

011-1W0353-354
011-1W0357-358
011-1W0361-362

ETVZ12E6V | ETVZ12E9W | EPRA08-12EV3 | EPRA08-12EW1 | ETVZ16E6V7 | ETVZ16E9W7 | EPRA14-18DV37 | EPRA14-18DW17

up to A+++ (A+++ → D) | up to A+ (A+ → F) | 65 °C | 70 °C | R-32

Efficiency data					ETVZ + EPRA	12S18/S23 E6V/9W + 08EV3	12S18/S23 E6V/9W + 10EV3	12S18/S23 E6V/9W + 12EV3	12S18/S23 E6V/9W + 08EW1	12S18/S23 E6V/9W + 10EW1	12S18/S23 E6V/9W + 12EW1	16S18/S23 E6V/9W7 + 14DV37	16S18/S23 E6V/9W7 + 16DV37	16S18/S23 E6V/9W7 + 18DV37	16S18/S23 E6V/9W7 + 14DW17	16S18/S23 E6V/9W7 + 16DW17	16S18/S23 E6V/9W7 + 18DW17
Heating capacity			Nom.	kW		6.17						5.69	9.0		5.90	9.0	
Power input			Heating	kW		1.25			1.21			1.22	1.80		1.23	1.80	
Space heating	Average climate water outlet 55°C	General	SCOP			3.41	3.43		3.52	3.53		3.58			3.57		
			ηs (Seasonal space heating efficiency)	%		134			138			140					
			Seasonal space heating eff. class			A+			A+			A+					
			Prated at -10°C	kW		8.5						13					
	Average climate water outlet 35°C	General	SCOP			4.69	4.71		4.81	4.84		4.51			4.71		
			ηs (Seasonal space heating efficiency)	%		184	186		190	191		177			186		
			Seasonal space heating eff. class			A+			A+			A+					
			Prated at -10°C	kW		8.3						13					
Domestic hot water heating	General	Declared load profile				L/XL						L					
	Average climate	COPdhw				2.72/2.96			2.80/3.05			2.62			2.51		
		ηwh (water heating efficiency)		%		117/126			120/130			110			106		
		Water heating energy efficiency class				A+						A+					

Indoor Unit				ETVZ	12S18/23E6V/9W	16S18/23E6V/9W7
Casing	Material				Precoated sheet metal	Precoated sheet metal
Dimensions	Unit	HeightxWidthxDepth		mm	1,650x595x625/1,850x595x625	1,650x595x625
Weight	Unit			kg	114/122	120
Tank	Water volume			l	180/230	180
	Maximum water temperature			°C	70.0	70.0
	Maximum water pressure			bar	10	10
	Corrosion protection				Pickling	Pickling
Operation range	Indoor installation	Ambient	Min.~Max.	°CDB	5~35	5~35
	Heating	Water side	Min.~Max.	°CDB	18~65	15~70
	Domestic hot water	Water side	Min.~Max.	°CDB	10~65	10~63
Sound power level	Nom.			dBA	44.0	44.0
Sound pressure level	Nom.			dBA	30.0	30.0

Outdoor Unit				EPRA	08EV3	10EV3	12EV3	08EW1	10EW1	12EW1	14DV37	16DV37	18DV37	14DW17	16DW17	18DW17
Dimensions	Unit	HeightxWidthxDepth		mm	1,003x1,270x533						1,003x1,270x533					
Weight	Unit			kg	118						146			150		
Compressor	Quantity				1						1					
	Type				Hermetically sealed swing compressor						Hermetically sealed scroll compressor					
Operation range	Heating		Min.~Max.	°CDB	-28.0~25						-28.0~35					
	Cooling		Min.~Max.	°CDB	10~43						10~43					
	Domestic hot water		Min.~Max.	°CDB	-28~35						-28~35					
Refrigerant	Type				R-32						R-32					
	GWP				675.0						675.0					
	Charge			kg	3.25						4.2					
	Charge			tCO2Eq	2.19						2.84					
	Control				Expansion valve						Expansion valve					
Sound power level	Heating		Nom.	dBA	54.0			55.6			56.0 (1)	56.0	59.0	56.0		59.0
	Cooling		Nom.	dBA	60.1	60.6	61.5	61.2	61.4	60.9	65.0 (2)	65.0				
Sound pressure level	Heating		Nom.	dBA	40.6			41.1			43.0 (3)	43.0	48.0	43.0		48.0
	Cooling		Nom.	dBA	47	47.4	48.5	47.1		47.2	52					
Power supply	Name/Phase/Frequency/Voltage			Hz/V	V3/1~/50/230			W1/3~/50/400			V3/1~/50/230			W1/3~/50/400		
Current	Recommended fuses			A	32			16			32			16		

Capacity according to standard EN14511 and valid for heated water range dT = 3~8°C at Ta 7°C | Condition: Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C) | Cooling: EW 12°C; LW 7°C; ambient conditions: 35°CDB | Cooling: EW 23°C; LW 18°C; ambient conditions: 35°CDB | Power input is total input of indoor and outdoor units, including the circulation pump; according to EN14511 | Test at Ta DB/WB 7°C/6°C. According to EN 16147. | DB/WB 7°C/6°C - LWC 35°C (dT=5°C) with pump at full speed | Operation area is extended to lower flow rates only in case the unit operates with heat pump only. (Not in startup, no BUH operation, no defrost operation). | Refer to operation range of the unit. | Depends on operation mode, refer to installation manual. | 4 pole 20 A curve 400V tripping class C (refer to wiring diagram) | Cooling Ta 35°C - LWE 18°C (DT = 5°C); Heating Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C) | 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) | Sound pressure level is a relative value, depending on the distance and acoustic environment. For more details, please refer to the sound level drawings. | The sound pressure level is measured via a microphone at a certain distance from the unit. It is a relative value depending on the distance and acoustic environment. Refer to sound spectrum drawing for more information. Condition: Ta 35°C - LWE 7°C (DT = | Percentage of heating capacity at Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C)

DAIKIN altherma

Daikin Altherma 3 H HT/MT ECH$_2$O

Floor standing air to water heat pump for heating and hot water with thermal solar support

- Integrated solar unit, offering top comfort in heating and hot water
- Maintenance-free tank: no corrosion, anode, scale or lime deposits, and no loss of water through safety valve
- Maximum use of renewable energy: uses heat pump technology for heating and solar support for space heating and domestic hot water production
- Fresh water principle: hygienic water, with no need for thermal legionella disinfection
- Quick configuration in 9 steps in a high resolution colour interface wizard



up to A+++ (A+++ to D) | up to A+ (A+ to F) | 65 °C | 70 °C | R-32

011-1W0501
011-1W0502

011-1W0355-356
011-1W0359-360
011-1W0363-364

ETSH12E | EPRA08-12EV3 | EPRA08-12EW1 | ETSH16E7 | EPRA14-18DV37 | EPRA14-18DW17

Efficiency data					ETSH + EPRA	12P30/50E +08EV3	12P30/50E +10EV3	12P30/50E +12EV3	12P30/50E +08EW1	12P30/50E +10EW1	12P30/50E +12EW1	16P30/50E7 +14DV37	16P30/50E7 +16DV37	16P30/50E7 +18DV37	16P30/50E7 +14DW17	16P30/50E7 +16DW17	16P30/50E7 +18DW17
Heating capacity			Nom.	kW		6.17					5.69	9.0			5.90	9.0	
Power input			Heating	kW		1.25			1.21		1.22	1.80			1.23	1.80	
Space heating	Average climate water outlet 55°C	General	SCOP		3.41	3.43		3.52	3.53		3.58			3.57			
			ηs (Seasonal space heating efficiency)	%		134			138			140					
			Seasonal space heating eff. class									A+					
			Prated at -10°C	kW		8.5						12.5					
	Average climate water outlet 35°C	General	SCOP		4.69	4.71		4.81	4.84		4.51			4.71			
			ηs (Seasonal space heating efficiency)	%	184	186		190	191		177			186			
			Seasonal space heating eff. class									A+					
			Prated at -10°C	kW		8.3						12.5					
Domestic hot water heating	General	Declared load profile									L/XL						
	Average climate	COPdhw				2.75/3.1			2.83/3.17			2.91/3.04			2.89/3.03		
		ηwh (water heating efficiency)		%		116/128			119/131			126/127			126		
		Water heating energy efficiency class										A+					

Indoor Unit				ETSH	12P30/50E	16P30/50E7
Casing	Colour				Traffic white (RAL9016)/Traffic black (RAL9017)	
	Material				Impact resistant polypropylene	
Dimensions	Unit	HeightxWidthxDepth		mm	1,892x594x644/1,910x792x816	
Weight	Unit			kg	75/98	
Tank	Water volume			l	294/477	
	Maximum water temperature			°C	85	
Operation range	Indoor installation	Ambient	Min.~Max.	°CDB	5~35	
	Heating	Water side	Min.~Max.	°CDB	18~65	15~70
	Domestic hot water	Water side	Min.~Max.	°CDB	10~63	
Sound power level	Nom.			dBA	47.3	45.6
Sound pressure level	Nom.			dBA	38.6	32.8

Outdoor Unit				EPRA	08EV3	10EV3	12EV3	08EW1	10EW1	12EW1	14DV37	16DV37	18DV37	14DW17	16DW17	18DW17
Dimensions	Unit	HeightxWidthxDepth		mm	1,003x1,270x533											
Weight	Unit			kg	118						146			150		
Compressor	Quantity				1											
	Type				Hermetically sealed swing compressor						Hermetically sealed scroll compressor					
Operation range	Heating	Min.~Max.		°CDB	-28.0~25						-28.0~35					
	Cooling	Min.~Max.		°CDB	10~43											
	Domestic hot water	Min.~Max.		°CDB	-28~35											
Refrigerant	Type				R-32											
	GWP				675.0											
	Charge			kg	3.25						4.2					
	Charge			tCO2Eq	2.19						2.84					
	Control				Expansion valve											
Sound power level	Heating	Nom.		dBA	54.0			55.6			56.0 (1)	56.0	59.0	56.0	56.0	59.0
	Cooling	Nom.		dBA	60.1	60.6	61.5	61.2	61.4	60.9	65.0 (2)	65.0				
Sound pressure level	Heating	Nom.		dBA	40.6			41.1			43.0 (3)	43.0	48.0	43.0		48.0
	Cooling	Nom.		dBA	47	47.4	48.5	47.1		47.2	52					
Power supply	Name/Phase/Frequency/Voltage			Hz/V	V3/1~/50/230			W1/3~/50/400			V3/1~/50/230			W1/3~/50/400		
Current	Recommended fuses			A	32			16			32			16		

(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)The sound pressure level is measured via a microphone at a certain distance from the unit. It is a relative value depending on the distance and acoustic environment. Refer to sound spectrum drawing for more information. Condition: Ta DB/WB 7°C/6°C - LWC 3 | 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) | Condition: Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C) | DB/WB 7°C/6°C - LWC 35°C (dT=5°C) with pump at full speed | Heatloss according to EN12897 | Refer to operation limits drawings | Sound pressure level is a relative value, depending on the distance and acoustic environment. For more details, please refer to the sound level drawings. | The sound pressure level is measured via a microphone at a certain distance from the unit. It is a relative value depending on the distance and acoustic environment. Refer to sound spectrum drawing for more information. Condition: Ta 35°C - LWE 7°C (DT = 5°C) | Capacity according to standard EN14511 and valid for heated water range dT = 3~8°C at Ta 7°C | Power input is total input of indoor and outdoor units, including the circulation pump; according to EN14511 | Percentage of heating capacity at Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C)

Daikin Altherma 3 H HT/MT ECH$_2$O

Floor standing air to water heat pump for bivalent heating, cooling and hot water with thermal solar support

- Integrated solar unit, offering top comfort in heating and hot water
- Maintenance-free tank: no corrosion, anode, scale or lime deposits, and no loss of water through safety valve
- Maximum use of renewable energy: uses heat pump technology for heating and solar support for space heating and domestic hot water production
- Fresh water principle: hygienic water, with no need for thermal legionella disinfection
- Quick configuration in 9 steps in a high resolution colour interface wizard





011-1W0501
011-1W0502

011-1W0355-356
011-1W0359-360
011-1W0363-364

ETSHB12E | EPRA08-12EV3 | EPRA08-12EW1 | ETSHB16E7 | EPRA14-18DV37 | EPRA14-18DW17

Efficiency data					ETSHB + EPRA	12P30/50E +08EV3	12P30/50E +10EV3	12P30/50E +12EV3	12P30/50E +08EW1	12P30/50E +10EW1	12P30/50E +12EW1	16P30/50E7 +14DV37	16P30/50E7 +16DV37	16P30/50E7 +18DV37	16P30/50E7 +14DW17	16P30/50E7 +16DW17	16P30/50E7 +18DW17
Heating capacity			Nom.	kW		6.17						5.69	9.0		5.90	9.0	
Power input			Heating	kW		1.25			1.21			1.22	1.80		1.23	1.80	
Space heating	Average climate water outlet 55°C	General	SCOP			3.41	3.43		3.52	3.53		3.58			3.57		
			ηs (Seasonal space heating efficiency)	%		134			138			140					
			Seasonal space heating eff. class									A+++					
			Prated at -10°C	kW		8.5						12.5					
	Average climate water outlet 35°C	General	SCOP			4.69	4.71		4.81	4.84		4.51			4.71		
			ηs (Seasonal space heating efficiency)	%		184	186		190	191		177			186		
			Seasonal space heating eff. class									A+++					
			Prated at -10°C	kW		8.3						12.5					
Domestic hot water heating	General	Declared load profile				L/XL											
	Average climate	COPdhw				2.75/3.1			2.83/3.17			2.91/3.04			2.89/3.03		2.85/3.03
		ηwh (water heating efficiency)		%		116/128			119/131			126/127			126		124/126
		Water heating energy efficiency class										A+					

Indoor Unit				ETSHB	12P30/50E	16P30/50E7
Casing	Colour				Traffic white (RAL9016)/Traffic black (RAL9017)	
	Material				Impact resistant polypropylene	
Dimensions	Unit	HeightxWidthxDepth		mm	1,892x594x644/1,910x792x816	
Weight	Unit			kg	76/100	
Tank	Water volume			l	294/477	
	Maximum water temperature			°C	85	
Operation range	Indoor installation	Ambient	Min.~Max.	°CDB	5~35	
	Heating	Water side	Min.~Max.	°CDB	18~65	15~70
	Domestic hot water	Water side	Min.~Max.	°CDB	10~63	
Sound power level	Nom.			dBA	47.3	45.6
Sound pressure level	Nom.			dBA	38.6	32.8

Outdoor Unit				EPRA	08EV3	10EV3	12EV3	08EW1	10EW1	12EW1	14DV37	16DV37	18DV37	14DW17	16DW17	18DW17
Dimensions	Unit	HeightxWidthxDepth		mm	1,003x1,270x533											
Weight	Unit			kg	118						146			150		
Compressor	Quantity				1											
	Type				Hermetically sealed swing compressor						Hermetically sealed scroll compressor					
Operation range	Heating	Min.~Max.		°CDB	-28.0~25						-28.0~35					
	Cooling	Min.~Max.		°CDB	10~43											
	Domestic hot water	Min.~Max.		°CDB	-28~35											
Refrigerant	Type				R-32											
	GWP				675.0											
	Charge			kg	3.25						4.2					
	Charge			tCO2Eq	2.19						2.84					
	Control				Expansion valve											
Sound power level	Heating	Nom.		dBA	54.0			55.6			56.0 (1)	56.0	59.0	56.0		59.0
	Cooling	Nom.		dBA	60.1	60.6	61.5	61.2	61.4	60.9	65.0 (2)	65.0				
Sound pressure level	Heating	Nom.		dBA	40.6			41.1			43.0 (3)	43.0	48.0	43.0		48.0
	Cooling	Nom.		dBA	47	47.4	48.5	47.1		47.2	52					
Power supply	Name/Phase/Frequency/Voltage			Hz/V	V3/1~/50/230			W1/3~/50/400			V3/1~/50/230			W1/3~/50/400		
Current	Recommended fuses			A	32			16			32			16		

(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)The sound pressure level is measured via a microphone at a certain distance from the unit. It is a relative value depending on the distance and acoustic environment. Refer to sound spectrum drawing for more information. Condition: Ta DB/WB 7°C/6°C - LWC 3 | 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) | Condition: Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C) | DB/WB 7°C/6°C - LWC 35°C (dT=5°C) with pump at full speed | Heatloss according to EN12897 | Refer to operation limits drawings | Sound pressure level is a relative value, depending on the distance and acoustic environment. For more details, please refer to the sound level drawings. | The sound pressure level is measured via a microphone at a certain distance from the unit. It is a relative value depending on the distance and acoustic environment. Refer to sound spectrum drawing for more information. Condition: Ta 35°C - LWE 7°C (DT = | Capacity according to standard EN14511 and valid for heated water range dT = 3~8°C at Ta 7°C | Power input is total input of indoor and outdoor units, including the circulation pump; according to EN14511 | Percentage of heating capacity at Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C)

DAIKIN altherma

Daikin Altherma 3 H HT/MT ECH$_2$O

Floor standing air to water heat pump for heating and hot water with thermal solar support

- Integrated solar unit, offering top comfort in heating, hot water and cooling
- Maintenance-free tank: no corrosion, anode, scale or lime deposits, and no loss of water through safety valve
- Maximum use of renewable energy: uses heat pump technology for heating and solar support for space heating and domestic hot water production
- Fresh water principle: hygienic water, with no need for thermal legionella disinfection
- Quick configuration in 9 steps in a high resolution colour interface wizard



up to A+++ A+++ D | A+ A+ F | 65 °C | 70 °C | R-32

011-1W0501
011-1W0502

011-1W0355-356
011-1W0359-360
011-1W0363-364

ETSX12E | EPRA08-12EV3 | EPRA08-12EW1 | ETSX16E7 | EPRA14-18DV37 | EPRA14-18DW17

Efficiency data					ETSX + EPRA	12P30/50E +08EV3	12P30/50E +10EV3	12P30/50E +12EV3	12P30/50E +08EW1	12P30/50E +10EW1	12P30/50E +12EW1	16P30/50E7 +14DV37	16P30/50E7 +16DV37	16P30/50E7 +18DV37	16P30/50E7 +14DW17	16P30/50E7 +16DW17	16P30/50E7 +18DW17
Heating capacity			Nom.	kW				6.17				5.69	9.0		5.90	9.0	
Power input			Heating	kW		1.25			1.21			1.22	1.80		1.23	1.80	
Space heating	Average climate water outlet 55°C	General	SCOP		3.47	3.48		3.59	3.6		3.62			3.63		
			ηs (Seasonal space heating efficiency)	%		136			141			142					
			Seasonal space heating eff. class									A+					
			Prated at -10°C	kW			8.5					12.5					
	Average climate water outlet 35°C	General	SCOP		4.79	4.82		4.95	4.98		4.57			4.81		
			ηs (Seasonal space heating efficiency)	%	189	190		195	196		180			190		
			Seasonal space heating eff. class									A+					
			Prated at -10°C	kW			8.3					12.5					
Domestic hot water heating	General	Declared load profile										L/XL					
	Average climate	COPdhw				2.75/3.1			2.83/3.17			2.91/3.04			2.89/3.03		
		ηwh (water heating efficiency)		%		116/128			119/131			126/127			126		
		Water heating energy efficiency class										A+					

Indoor Unit				ETSX	12P30/50E	16P30/50E7
Casing	Colour				Traffic white (RAL9016)/Traffic black (RAL9017)	
	Material				Impact resistant polypropylene	
Dimensions	Unit	HeightxWidthxDepth		mm	1,892x594x644/1,910x792x816	
Weight	Unit			kg	75/98	
Tank	Water volume			l	294/477	
	Maximum water temperature			°C	85	
Operation range	Indoor installation	Ambient	Min.~Max.	°CDB	5~35	
	Heating	Water side	Min.~Max.	°CDB	18~65	15~70
	Domestic hot water	Water side	Min.~Max.	°CDB	10~63	
Sound power level	Nom.			dBA	47.3	45.6
Sound pressure level	Nom.			dBA	38.6	32.8

Outdoor Unit				EPRA	08EV3	10EV3	12EV3	08EW1	10EW1	12EW1	14DV37	16DV37	18DV37	14DW17	16DW17	18DW17
Dimensions	Unit	HeightxWidthxDepth		mm	1,003x1,270x533											
Weight	Unit			kg	118						146			150		
Compressor	Quantity				1											
	Type				Hermetically sealed swing compressor						Hermetically sealed scroll compressor					
Operation range	Heating	Min.~Max.		°CDB	-28.0~25						-28.0~35					
	Cooling	Min.~Max.		°CDB	10~43											
	Domestic hot water	Min.~Max.		°CDB	-28~35											
Refrigerant	Type				R-32											
	GWP				675.0											
	Charge			kg	3.25						4.2					
	Charge			tCO2Eq	2.19						2.84					
	Control				Expansion valve											
Sound power level	Heating	Nom.		dBA	54.0			55.6			56.0 (2)	56.0	59.0	56.0		59.0
	Cooling	Nom.		dBA	60.1	60.6	61.5	61.2	61.4	60.9	65.0 (1)	65.0				
Sound pressure level	Heating	Nom.		dBA	40.6			41.1			43.0 (3)	43.0	48.0	43.0		48.0
	Cooling	Nom.		dBA	47	47.4	48.5	47.1		47.2	52					
Power supply	Name/Phase/Frequency/Voltage			Hz/V	V3/1~/50/230			W1/3~/50/400			V3/1~/50/230			W1/3~/50/400		
Current	Recommended fuses			A	32			16			32			16		

(1)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) | (2)Cooling Ta 35°C - LWE 18°C (DT = 5°C); Heating Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C) | (3)The sound pressure level is measured via a microphone at a certain distance from the unit. It is a relative value depending on the distance and acoustic environment. Refer to sound spectrum drawing for more information. Condition: Ta DB/WB 7°C/6°C - LWC 3 | 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) | Condition: Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C) | DB/WB 7°C/6°C - LWC 35°C (dT=5°C) with pump at full speed | Heatloss according to EN12897 | Refer to operation limits drawings | Sound pressure level is a relative value, depending on the distance and acoustic environment. For more details, please refer to the sound level drawings. | The sound pressure level is measured via a microphone at a certain distance from the unit. It is a relative value depending on the distance and acoustic environment. Refer to sound spectrum drawing for more information. Condition: Ta 35°C - LWE 7°C (DT = | Capacity according to standard EN14511 and valid for heated water range dT = 3~8°C at Ta 7°C | Cooling: EW 23°C; LW 18°C; ambient conditions: 35°CDB | Cooling: EW 12°C; LW 7°C; ambient conditions: 35°CDB | Power input is total input of indoor and outdoor units, including the circulation pump; according to EN14511 | Percentage of heating capacity at Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C)

Daikin Altherma 3 H HT/MT ECH$_2$O

Floor standing air to water heat pump for bivalent heating, cooling and hot water with thermal solar support

- Integrated solar unit, offering top comfort in heating, hot water and cooling
- Maintenance-free tank: no corrosion, anode, scale or lime deposits, and no loss of water through safety valve
- Maximum use of renewable energy: uses heat pump technology for heating and solar support for space heating and domestic hot water production
- Fresh water principle: hygienic water, with no need for thermal legionella disinfection
- Quick configuration in 9 steps in a high resolution colour interface wizard





011-1W0501
011-1W0502

011-1W0355-356
011-1W0359-360
011-1W0363-364

ETSXB12E | EPRA08-12EV3 | EPRA08-12EW1 | ETSXB16E7 | EPRA14-18DV37 | EPRA14-18DW17

Efficiency data					ETSXB + EPRA	12P30/50E +08EV3	12P30/50E +10EV3	12P30/50E +12EV3	12P30/50E +08EW1	12P30/50E +10EW1	12P30/50E +12EW1	16P30/50E7 +14DV37	16P30/50E7 +16DV37	16P30/50E7 +18DV37	16P30/50E7 +14DW17	16P30/50E7 +16DW17	16P30/50E7 +18DW17
Heating capacity			Nom.	kW		6.17						5.69	9.0		5.90	9.0	
Power input			Heating	kW		1.25			1.21			1.22	1.80		1.23	1.80	
Space heating	Average climate water outlet 55°C	General	SCOP		3.47	3.48		3.59	3.6			3.62			3.63		
			ηs (Seasonal space heating efficiency)	%		136			141			142					
			Seasonal space heating eff. class									A+					
			Prated at -10°C	kW		8.5						12.5					
	Average climate water outlet 35°C	General	SCOP		4.79	4.82		4.95	4.98			4.57			4.81		
			ηs (Seasonal space heating efficiency)	%	189	190		195	196			180			190		
			Seasonal space heating eff. class									A+					
			Prated at -10°C	kW		8.3						12.5					
Domestic hot water heating	General	Declared load profile										L/XL					
	Average climate	COPdhw				2.75/3.1			2.83/3.17			2.91/3.04			2.89/3.03		
		ηwh (water heating efficiency)		%		116/128			119/131			126/127			126		
		Water heating energy efficiency class										A+					

Indoor Unit				ETSXB	12P30/50E	16P30/50E7
Casing	Colour				Traffic white (RAL9016)/Traffic black (RAL9017)	
	Material				Impact resistant polypropylene	
Dimensions	Unit	HeightxWidthxDepth		mm	1,892x594x644/1,910x792x816	
Weight	Unit			kg	76/100	
Tank	Water volume			l	294/477	
	Maximum water temperature			°C	85	
Operation range	Indoor installation	Ambient	Min.~Max.	°CDB	5~35	
	Heating	Water side	Min.~Max.	°CDB	18~65	15~70
	Domestic hot water	Water side	Min.~Max.	°CDB	10~63	
Sound power level	Nom.			dBA	47.3	45.6
Sound pressure level	Nom.			dBA	38.6	32.8

Outdoor Unit				EPRA	08EV3	10EV3	12EV3	08EW1	10EW1	12EW1	14DV37	16DV37	18DV37	14DW17	16DW17	18DW17
Dimensions	Unit	HeightxWidthxDepth		mm	1,003x1,270x533											
Weight	Unit			kg	118						146			150		
Compressor	Quantity				1											
	Type				Hermetically sealed swing compressor						Hermetically sealed scroll compressor					
Operation range	Heating	Min.~Max.		°CDB	-28.0~25						-28.0~35					
	Cooling	Min.~Max.		°CDB	10~43											
	Domestic hot water	Min.~Max.		°CDB	-28~35											
Refrigerant	Type				R-32											
	GWP				675.0											
	Charge			kg	3.25						4.2					
	Charge			tCO2Eq	2.19						2.84					
	Control				Expansion valve											
Sound power level	Heating	Nom.		dBA		54.0			55.6		56.0 (2)	56.0	59.0	56.0		59.0
	Cooling	Nom.		dBA	60.1	60.6	61.5	61.2	61.4	60.9	65.0 (1)	65.0				
Sound pressure level	Heating	Nom.		dBA		40.6			41.1		43.0 (3)	43.0	48.0	43.0		48.0
	Cooling	Nom.		dBA	47	47.4	48.5	47.1		47.2	52					
Power supply	Name/Phase/Frequency/Voltage			Hz/V	V3/1~/50/230			W1/3~/50/400			V3/1~/50/230			W1/3~/50/400		
Current	Recommended fuses			A	32			16			32			16		

(1)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) | (2)Cooling Ta 35°C - LWE 18°C (DT = 5°C); Heating Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C) | (3)The sound pressure level is measured via a microphone at a certain distance from the unit. It is a relative value depending on the distance and acoustic environment. Refer to sound spectrum drawing for more information. Condition: Ta DB/WB 7°C/6°C - LWC 3 | 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) | Condition: Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C) | DB/WB 7°C/6°C - LWC 35°C (dT=5°C) with pump at full speed | Heatloss according to EN12897 | Refer to operation limits drawings | Sound pressure level is a relative value, depending on the distance and acoustic environment. For more details, please refer to the sound level drawings. | The sound pressure level is measured via a microphone at a certain distance from the unit. It is a relative value depending on the distance and acoustic environment. Refer to sound spectrum drawing for more information. Condition: Ta 35°C - LWE 7°C (DT = | Capacity according to standard EN14511 and valid for heated water range dT = 3~8°C at Ta 7°C | Cooling: EW 23°C; LW 18°C; ambient conditions: 35°CDB | Cooling: EW 12°C; LW 7°C; ambient conditions: 35°CDB | Power input is total input of indoor and outdoor units, including the circulation pump; according to EN14511 | Percentage of heating capacity at Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C)

DAIKIN altherma

Daikin Altherma 3 H HT/MT W

Wall mounted heating only air to water heat pump

- Inclusion of all hydraulic components means no third party components are required
- Compact dimensions allows for small installation space, as almost no side clearances are required.
- The unit's sleek design blends in with other household appliances.
- Combine with a stainless steel tank or ECH$_2$O thermal store.
- Quick configuration in 9 steps in a high resolution colour interface wizard



up to A+++ A+++ ↑ D

65 °C

70 °C

R-32

011-1W0506
011-1W0507
011-1W0508

011-1W0353
011-1W0357
011-1W0361

ETBH12E6V | ETBH12E9W | EPRA08-12EV3 | EPRA08-12EW1 | ETBH16E6V7 | ETBH16E9W7 | EPRA14-18DV37 | EPRA14-18DW17

Efficiency data					ETBH + EPRA	12E6V/9W +08EV3	12E6V/9W +10EV3	12E6V/9W +12EV3	12E6V/9W +08EW1	12E6V/9W +10EW1	12E6V/9W +12EW1	16E6V/9W7 +14DV37	16E6V/9W7 +16DV37	16E6V/9W7 +18DV37	16E6V/9W7 +14DW17	16E6V/9W7 +16DW17	16E6V/9W7 +18DW17
Heating capacity			Nom.	kW				6.17				5.69	9.0		5.90	9.0	
Power input			Heating	kW		1.25			1.21			1.22	1.80		1.23	1.80	
Space heating	Average climate water outlet 55°C	General	SCOP		3.41	3.43		3.52	3.53			3.58			3.57		
			ηs (Seasonal space heating efficiency)	%		134			138				140				
			Seasonal space heating eff. class									A++					
			Prated at -10°C	kW			8.5						13				
	Average climate water outlet 35°C	General	SCOP		4.69	4.71		4.81	4.84			4.51			4.71		
			ηs (Seasonal space heating efficiency)	%	184	186		190	191			177			186		
			Seasonal space heating eff. class									A+					
			Prated at -10°C	kW			8.3						13				
Domestic hot water heating	General	Declared load profile										-					
	Average climate	COPdhw										-					
		ηwh (water heating efficiency)		%								-					
		Water heating energy efficiency class										-					

Indoor Unit				ETBH	12E6V/9W	16E6V/9W7
Casing	Colour				White + Black	
	Material				Resin, sheet metal	
Dimensions	Unit	HeightxWidthxDepth		mm	840x440x390	
Weight	Unit			kg	36.5	38.0
Operation range	Indoor installation	Ambient	Min.~Max.	°CDB	5~35	5~35 (3)
	Heating	Water side	Min.~Max.	°CDB	18~65	15~70
	Domestic hot water	Water side	Min.~Max.	°CDB	10~63	
Sound power level	Nom.			dBA	44.0	44.0 (1)
Sound pressure level	Nom.			dBA	30.0	30.0 (2)

Outdoor Unit				EPRA	08EV3	10EV3	12EV3	08EW1	10EW1	12EW1	14DV37	16DV37	18DV37	14DW17	16DW17	18DW17
Dimensions	Unit	HeightxWidthxDepth		mm	1,003x1,270x533											
Weight	Unit			kg	118						146			150		
Compressor	Quantity				1											
	Type				Hermetically sealed swing compressor						Hermetically sealed scroll compressor					
Operation range	Heating	Min.~Max.		°CDB	-28.0~25						-28.0~35					
	Cooling	Min.~Max.		°CDB	10~43											
	Domestic hot water	Min.~Max.		°CDB	-28~35											
Refrigerant	Type				R-32											
	GWP				675.0											
	Charge			kg	3.25						4.2					
	Charge			tCO2Eq	2.19						2.84					
	Control				Expansion valve											
Sound power level	Heating	Nom.		dBA		54.0			55.6		56.0 (4)	56.0	59.0	56.0		59.0
	Cooling	Nom.		dBA	60.1	60.6	61.5	61.2	61.4	60.9	65.0 (5)			65.0		
Sound pressure level	Heating	Nom.		dBA		40.6			41.1		43.0 (6)	43.0	48.0	43.0		48.0
	Cooling	Nom.		dBA	47	47.4	48.5	47.1		47.2	52					
Power supply	Name/Phase/Frequency/Voltage			Hz/V	V3/1~/50/230			W1/3~/50/400			V3/1~/50/230			W1/3~/50/400		
Current	Recommended fuses			A	32			16			32			16		

(1)Measured with a pressure drop of 10 kPa in the heating system at an operating condition of leaving water 47-55°C in a room with an ambient of 20°C. DB/WB 7°C/6°. | (3)Depends on operation mode, refer to installation manual. | (4)Cooling Ta 35°C - LWE 18°C (DT = 5°C); Heating Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C) | (5)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) | (6)The sound pressure level is measured via a microphone at a certain distance from the unit. It is a relative value depending on the distance and acoustic environment. Refer to sound spectrum drawing for more information. Condition: Ta DB/WB 7°C/6°C - LWC 3 | Capacity according to standard EN14511 and valid for heated water range dT = 3~8°C at Ta 7°C | Condition: Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C) | Cooling: EW 12°C; LW 7°C; ambient conditions: 35°CDB | Cooling: EW 23°C; LW 18°C; ambient conditions: 35°CDB | Power input is total input of indoor and outdoor units, including the circulation pump; according to EN14511 | Test at Ta DB/WB 7°C/6°C. According to EN 16147. | DB/WB 7°C/6°C - LWC 35°C (dT=5°C) with pump at full speed | Operation area is extended to lower flow rates only in case the unit operates with heat pump only. (Not in startup, no BUH operation, no defrost operation). | Including piping + back-up heater; excluding expansion vessel | Excluding the water in the unit. This minimum water volume is sufficient for most applications. During critical processes extra water may be required. | Refer to operation range of the unit. | 4 pole 20 A curve 400V tripping class C (refer to wiring diagram) | Sound pressure level is a relative value, depending on the distance and acoustic environment. For more details, please refer to the sound level drawings. | The sound pressure level is measured via a microphone at a certain distance from the unit. It is a relative value depending on the distance and acoustic environment. Refer to sound spectrum drawing for more information. Condition: Ta 35°C - LWE 7°C (DT = | Above mentioned power supply of the hydrobox is for the backup heater only. The switch box and the pump of the hydrobox are supplied via the outdoor unit. The optional domestic hot water tank has a separate power supply. | Percentage of heating capacity at Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C)

Daikin Altherma 3 H HT/MT W

Wall mounted reversible air to water heat pump

- Inclusion of all hydraulic components means no third party components are required
- Compact dimensions allows for small installation space, as almost no side clearances are required.
- The unit's sleek design blends in with other household appliances.
- Combine with a stainless steel tank or ECH$_2$O thermal store.
- Quick configuration in 9 steps in a high resolution colour interface wizard



up to A+++ (A+++ to D) | 65 °C | 70 °C | R-32

011-1W0506
011-1W0507
011-1W0508

011-1W0353
011-1W0357
011-1W0361

ETBX12E6V | ETBX12E9W | EPRA08-12EV3 | EPRA08-12EW1 | ETBX16E6V | ETBX16E9W | EPRA14-18DV37 | EPRA14-18DW17

Efficiency data					ETBX + EPRA	12E6V/9W +08EV3	12E6V/9W +10EV3	12E6V/9W +12EV3	12E6V/9W +08EW1	12E6V/9W +10EW1	12E6V/9W +12EW1	16E6V/9W7 +14DV37	16E6V/9W7 +16DV37	16E6V/9W7 +18DV37	16E6V/9W7 +14DW17	16E6V/9W7 +16DW17	16E6V/9W7 +18DW17
Heating capacity			Nom.	kW					6.17			5.69	9.0		5.90	9.0	
Power input			Heating	kW			1.25			1.21		1.22	1.80		1.23	1.80	
Space heating	Average climate water outlet 55°C	General	SCOP			3.47	3.48		3.59	3.60		3.62			3.63		
			ηs (Seasonal space heating efficiency)	%			136			141			142				
			Seasonal space heating eff. class														
			Prated at -10°C	kW				8.5					13				
	Average climate water outlet 35°C	General	SCOP			4.79	4.82		4.95	4.98		4.57			4.81		
			ηs (Seasonal space heating efficiency)	%		188	190		195	196		180			190		
			Seasonal space heating eff. class														
			Prated at -10°C	kW				8.3					13				
Domestic hot water heating	General	Declared load profile									-						
	Average climate	COPdhw									-						
		ηwh (water heating efficiency)		%							-						
		Water heating energy efficiency class									-						

Indoor Unit					ETBX	12E6V/9W	16E6V/9W7
Casing	Colour					White + Black	
	Material					Resin, sheet metal	
Dimensions	Unit	HeightxWidthxDepth		mm		840x440x390	
Weight	Unit			kg		36.5	38.0
Operation range	Indoor installation	Ambient	Min.~Max.	°CDB		5~35	5~35 (3)
	Heating	Water side	Min.~Max.	°CDB		18~65	15~70
Sound power level	Nom.			dBA		44.0	44.0 (1)
Sound pressure level	Nom.			dBA		30.0	30.0 (2)

Outdoor Unit					EPRA	08EV3	10EV3	12EV3	08EW1	10EW1	12EW1	14DV37	16DV37	18DV37	14DW17	16DW17	18DW17
Dimensions	Unit	HeightxWidthxDepth		mm							1,003x1,270x533						
Weight	Unit			kg				118					146			150	
Compressor	Quantity										1						
	Type						Hermetically sealed swing compressor							Hermetically sealed scroll compressor				
Operation range	Heating		Min.~Max.	°CDB				-28.0~25						-28.0~35			
	Cooling		Min.~Max.	°CDB							10~43						
	Domestic hot water		Min.~Max.	°CDB							-28~35						
Refrigerant	Type										R-32						
	GWP										675.0						
	Charge			kg				3.25						4.2			
	Charge			tCO2Eq				2.19						2.84			
	Control										Expansion valve						
Sound power level	Heating		Nom.	dBA			54.0			55.6		56.0 (4)	56.0	59.0	56.0		59.0
	Cooling		Nom.	dBA		60.1	60.6	61.5	61.2	61.4	60.9	65.0 (5)			65.0		
Sound pressure level	Heating		Nom.	dBA			40.6			41.1		43.0 (6)	43.0	48.0	43.0		48.0
	Cooling		Nom.	dBA		47	47.4	48.5	47.1		47.2			52			
Power supply	Name/Phase/Frequency/Voltage			Hz/V			V3/1~/50/230			W1/3~/50/400			V3/1~/50/230			W1/3~/50/400	
Current	Recommended fuses			A			32			16			32			16	

(1)Measured with a pressure drop of 10 kPa in the heating system at an operating condition of leaving water 47-55°C in a room with an ambient of 20°C. DB/WB 7°C/6°. | (3)Depends on operation mode, refer to installation manual. | (4)Cooling Ta 35°C - LWE 18°C (DT = 5°C); Heating Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C) | (5)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) | (6)The sound pressure level is measured via a microphone at a certain distance from the unit. It is a relative value depending on the distance and acoustic environment. Refer to sound spectrum drawing for more information. Condition: Ta DB/WB 7°C/6°C - LWC 3 | Capacity according to standard EN14511 and valid for heated water range dT = 3~8°C at Ta 7°C | Condition: Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C) | Cooling: EW 12°C; LW 7°C; ambient conditions: 35°CDB | Cooling: EW 23°C; LW 18°C; ambient conditions: 35°CDB | Power input is total input of indoor and outdoor units, including the circulation pump; according to EN14511 | Test at Ta DB/WB 7°C/6°C. According to EN 16147. | DB/WB 7°C/6°C - LWC 35°C (dT=5°C) with pump at full speed | Operation area is extended to lower flow rates only in case the unit operates with heat pump only. (Not in startup, no BUH operation, no defrost operation). | Including piping + back-up heater; excluding expansion vessel | Excluding the water in the unit. This minimum water volume is sufficient for most applications. During critical processes extra water may be required. | Refer to operation range of the unit. | 4 pole 20 A curve 400V tripping class C (refer to wiring diagram) | Sound pressure level is a relative value, depending on the distance and acoustic environment. For more details, please refer to the sound level drawings. | The sound pressure level is measured via a microphone at a certain distance from the unit. It is a relative value depending on the distance and acoustic environment. Refer to sound spectrum drawing for more information. Condition: Ta 35°C - LWE 7°C (DT = | Above mentioned power supply of the hydrobox is for the backup heater only. The switch box and the pump of the hydrobox are supplied via the outdoor unit. The optional domestic hot water tank has a separate power supply. | Percentage of heating capacity at Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C)

Combination table and options

			H/O	
			3 H MT	3 H HT
			ETVH12S18E6V	ETVH16S18E6V7
			ETVH12S18E9W	ETVH16S18E9W7
			ETVH12S23E6V	ETVH16S23E6V7
Type	**Description**	**Material name**	**ETVH12S23E9W**	**ETVH16S23E9W7**
Outdoor unit		EPRA08EV3/W1	•	
		EPRA10EV3/W1	•	
		EPRA12EV3/W1	•	
		EPRA14DV37/W17		•
		EPRA16DV37/W17		•
		EPRA18DV37/W17		•
Controller	Wireless room by room control	Daikin Home Controls (page 242)	•	•
	Madoka wired room thermostat	BRC1HHDK/S/W(7)	•	•
	Wireless room thermostat	EKRTRB	•	•
	Wired digital thermostat	EKRTWA	•	•
	LAN Adapter	BRP069A62 (with MMI from v6.8.0)	•	•
	WLAN module	BRP069A71	•	•
	WLAN cartridge	BRP069A78	• (1)	• (1)
	Wired digital thermostat	EKWCTRDI1V3	•	•
	Wired analog thermostat	EKWCTRAN1V3	•	•
	Valve actuator	EKWCVATR1V3	•	•
	Wired underfloor heating base station	EKWUFHTA1V3	•	•
	Universal centralised controller	EKCC9-W, DCOM-LT/IO, LT/MB	•	•
Domestic hot water	Stainless steel tank	EKHWS(P)(U)150D3V3		
		EKHWS(P)(U)180D3V3		
		EKHWS(P)(U)200D3V3		
		EKHWS(P)(U)250D3V3		
		EKHWS(P)(U)300D3V3		
	Polypropylene tank	EKHWP300B		
		EKHWP500B		
		EKHWP300PB		
		EKHWP500PB		
	Third party tank kit	EKHY3PART		
		EKHY3PART2		
Sensors	External sensor for EKRTR room thermostat	EKRTETS	•	•
	High voltage smart grid relay kit	EKRELSG	•	•
	Remote indoor temperature sensor	KRCS01-1	• (6)	• (6)
	Remote outdoor temperature sensor	EKRSCA1	• (6)	• (6)
Bizone kits	Generic Bizone kit (PCB only)	EKMIKPOA	•	•
	Generic Bizone kit	EKMIKPHA	•	•
Other options	Digital I/O PCB	EKRP1HBA	• (7)	• (7)
	Demand PCB	EKRP1AHT	•	•
	PC USB cable	EKPCCAB4	•	•
	Conversion kit H/O to reversible for floor standing	EKHVCONV4		•
	Conversion kit H/O to reversible for wall mounted	EKHBCONV	•	
	Booster heater kit	EKBH3SD		
	Anti-freeze valve with diam. 1"	AFVALVE1	•	•
	Anti-freeze valve with diam. 1 1/4"	AFVALVE125	•	•
	Balancing valve	KBLNVALVE		•
	Decoupler	KDECOUP		•
ECH$_2$O options	Inline BUH - connection kit	EKECBUCO1AF		
	Inline BUH - 3kW, for *3V (1N~, 230 V, 3 kW)	EKECBUAF3V		
	Inline BUH - 6kW, for *6V (1N~, 230 V, 6 kW)	EKECBUAF6V		
	Inline BUH - 9kW, for *9WN (3N~, 400 V, 9 kW)	EKECBUAF9W		
	Caleffi sludge and magnetite separator SAS1	156021		
	Biv Connector Kit	EKECBIVCO1AF		
	DB connector Kit	EKECDBCO1AF		
Home Hub	Daikin Home Hub	EKRHH	•	•
	Current sensor for single & three phase (power supply included)	EKCSS1P/3P	•	•
	Cable P1 to USB	EKP1USB	•	•

(1) W-LAN cartridge is supplied in the accessory bag of the unit => To be plugged in the SD-Slot on MMI-2
(In case bad reception of signal, the W-LAN cartridge can be removed and replaced by WLAN module).
(2) Dedicated connection kit: EKEPRHLT3HX.
(3) Dedicated connection kit: ETBH: EKEPRHLT5H / ETBX: EKEPRHLT5X.
(4) EKHY3PART can be used if you have a tank in which you can insert the thermistor.

Floor standing integrated stainless steel tank				Floor standing integrated ECH_2O		Wall mounted			
Reversible		Bizone				H/O		Reversible	
3 H MT	3 H HT	3 H MT	3 H HT	3 H MT	3 H HT	3 H MT	3 H HT	3 H MT	3 H HT
ETVX12S18E6V	ETVX16S18E6V7	ETVZ12S18E6V	ETVZ16S18E6V7	ETSH(B)12P30E	ETSH(B)16P30E				
ETVX12S18E9W	ETVX16S18E9W7	ETVZ12S18E9W	ETVZ16S18E9W7	ETSH(B)12P50E	ETSH(B)16P50E				
ETVX12S23E6V	ETVX16S23E6V7	ETVZ12S23E6V	ETVZ16S23E6V7	ETSX(B)12P30E	ETSX(B)16P30E	ETBH12E6V	ETBH16E6V7	ETBX12E6V	ETBX16E6V7
ETVX12S23E9W	ETVX16S23E9W7	ETVZ12S23E9W	ETVZ16S23E9W7	ETSX(B)12P50E	ETSX(B)16P50E	ETBH12E9W	ETBH16E9W7	ETBX12E9W	ETBX16E9W7
•		•		•		•		•	
•		•		•		•		•	
•		•		•		•		•	
	•		•		•		•		•
	•		•		•		•		•
	•		•		•		•		•
•	•	•	•	•	•	•	•	•	•
•	•	•	•	•	•	•	•	•	•
•	•	•	•	•	•	•	•	•	•
•	•	•	•	•	•	•	•	•	•
•	•	•	•	•	•	•	•	•	•
•	•	•	•	•	•	•	•	•	•
• (1)	• (1)	• (1)	• (1)	• (1)	• (1)	• (1)	• (1)	• (1)	• (1)
•	•	•	•	•	•	•	•	•	•
•	•	•	•	•	•	•	•	•	•
•	•	•	•	•	•	•	•	•	•
•	•	•	•	•	•	•	•	•	•
•	•	•	•	•	•	•	•	•	•
						•	•	•	•
						•	•	•	•
						•	•	•	•
							•	•	•
						•	•	•	•
						• (2)	• (2)	• (2)	• (2)
						• (3)	• (3)	• (3)	• (3)
						• (2)	• (2)	• (2)	• (2)
						• (3)	• (3)	• (3)	• (3)
						• (4)	• (4)	• (4)	• (4)
						• (5)	• (5)	• (5)	• (5)
•	•	•	•	•	•	•	•	•	•
•	•	•	•	•	•	•	•	•	•
• (6)	• (6)	• (6)	• (6)	• (6)	• (6)	• (6)	• (6)	• (6)	• (6)
• (6)	• (6)	• (6)	• (6)	• (6)	• (6)	• (6)	• (6)	• (6)	• (6)
•	•			•	•	•	•	•	•
•	•			•	•	•	•	•	•
• (7)	• (7)	• (7)	• (7)			• (7)	• (7)	• (7)	• (7)
•	•	•	•	•	•	•	•	•	•
•	•	•	•	•	•	•	•	•	•
			•						
		•				•	•		
							•	•	•
•	•	•	•	•	•	•	•	•	•
•	•	•	•	•	•	•	•	•	•
	•		•		•		•		•
	•		•		•		•		•
				•	•				
				• (8)	• (8)				
				• (8)	• (8)				
				• (8)	• (8)				
				•	•				
				•	•				
				•	•				
•	•	•	•	•	•	•	•	•	•
•	•	•	•	•	•	•	•	•	•
•	•	•	•	•	•	•	•	•	•

(5) EKHY3PART2 can be used if you have a tank in which you can't insert a thermistor.
(6) Only one sensor can be connected: indoor or outdoor.
(7) Additional relays to allow bivalent control in combination with external room thermostat are field supply.
(8) Only 1 Backup heater can be connected on one unit: 3 or 6* or 9 kW
(*No 6T1-model applicable). EKECBUCO1AF is needed to connect the backup heater to the main unit.

Daikin Altherma 3 R MT

Refrigerant split air-to-water heat pump

Capacities from 8-12 kW

Refrigerant split version

Daikin Altherma 3 R MT range represents a refrigerant split version for medium temperature heat pump.

The outdoor unit is connected to the indoor unit with refrigerant piping. It transfers the energy from the air to the water circuit inside. The Refrigerant split unit provides cooling next to heating and domestic hot water.

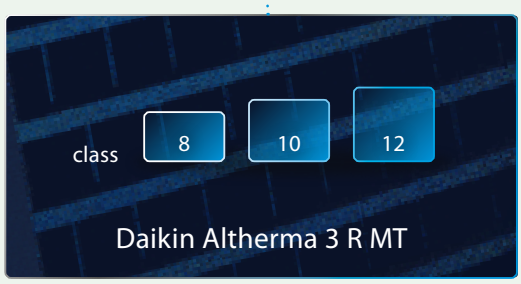
The perfect replacement for gas boilers

Houses built in the 1990s often need refurbishing to keep them up to speed with the latest technology.

And whenever you're renovating, you'll always need to consider replacing the original heating system.

The Daikin Altherma 3 R MT makes the perfect replacement unit for houses of this vintage in which a water leaving temperature of 65°C is sufficient. Easy to install, you don't even need to change the existing radiators!





Tailor-made for medium-sized new buildings

With a versatile capacity covering classes 8 to 12, the Daikin Altherma 3 R MT range also suits medium-sized new buildings.

Daikin Altherma 3 R MT offers multiple possibilities to adapt to your customers' needs

- A leaving water temperature up to 65 °C makes it **a suitable choice for refurbishments**
- **Good seasonal efficiencies** providing the highest savings on running costs
- **Quiet comfort** with sound pressures down to 35 dBA (SL mode)



Better fit with hydrosplit versions?

The Daikin Altherma 3 solutions for replacement do come also in hydrosplit versions, 3 H MT and 3 H HT. More information can be found on p. 103.

Design casing

The black front grille made of horizontal lines is hiding the fan from view, reducing the perception of the sound produced by the unit. The light grey casing is sligthly reflecting the environment where the unit is installed, helping it to blend in in any decor. This unique design already got design awards.

DESIGN AWARD 2019

reddot design award winner 2019

Daikin Altherma 3 R MT F

Floor standing air to water heat pump for heating and hot water

- A combined stainless steel domestic hot water tank of 180 or 230L and heat pump for easy installation
- Energy efficient heating only system based on air to water heat pump technology
- Quick configuration in 9 steps in a high resolution colour interface wizard
- Inclusion of all hydraulic components means no third party components are required
- The unit's sleek design blends in with other household appliances.



up to A+++ ↑ D | A+ ↑ F | 65 °C | R-32

011-1W0651
011-1W0652
011-1W0653
011-1W0654
011-1W0655
011-1W0656

011-1W0651
011-1W0652
011-1W0653
011-1W0654
011-1W0655
011-1W0656

ELVH-E6V | ELVH-E9W | ERRA08-12EW1 | ERRA08-12EV3

Efficiency data				ELVH + ERRA	12S18/23E6V/9W + 08EV3	12S18/23E6V/9W + 10EV3	12S18/23E6V/9W + 12EV3	12S18/23E6V/9W + 08EW1	12S18/23E6V/9W + 10EW1	12S18/23E6V/9W + 12EW1
Heating capacity			Nom.	kW	6.17					
Power input			Heating	kW	1.25			1.21		
Space heating	Average climate water outlet 55°C	General	SCOP		3.34		3.44	3.42	3.43	3.53
			ηs (Seasonal space heating efficiency)	%	130	131	135	134		138
			Seasonal space heating eff. class		A++					
			Prated at -10°C	kW	12.5					
	Average climate water outlet 35°C	General	SCOP		4.69	4.71		4.81	4.84	
			ηs (Seasonal space heating efficiency)	%	184	186		190	191	
			Seasonal space heating eff. class		A+++					
			Prated at -10°C	kW	8.3					
Domestic hot water heating	General		Declared load profile		L					
	Average climate		COPdhw		2.72/2.96			2.80/3.05		
			ηwh (water heating efficiency)	%	117/126			120/130		
			Water heating energy efficiency class		A+					

Indoor Unit				ELVH	12S18/23E6V/9W
Casing	Colour				White + Black
	Material				Precoated sheet metal
Dimensions	Unit	HeightxWidthxDepth		mm	1,655x595x634/1,855x595x634
Weight	Unit			kg	120/129
Tank	Water volume			l	180/230
	Maximum water temperature			°C	70.0
	Maximum water pressure			bar	10
	Corrosion protection				Pickling
Operation range	Indoor installation	Ambient	Min.~Max.	°CDB	5~35
	Heating	Water side	Min.~Max.	°CDB	15~65
	Domestic hot water	Water side	Min.~Max.	°CDB	25~62
Sound power level	Nom.			dBA	44.0
Sound pressure level	Nom.			dBA	30.0

Outdoor Unit				ERRA	08EV3	10EV3	12EV3	08EW1	10EW1	12EW1
Dimensions	Unit	HeightxWidthxDepth		mm	1,003x1,270x533					
Weight	Unit			kg	107					
Compressor	Quantity				1					
	Type				Hermetically sealed swing compressor					
Operation range	Heating		Min.~Max.	°CDB	-25.0~25					
	Cooling		Min.~Max.	°CDB	10~43					
	Domestic hot water		Min.~Max.	°CDB	-25~35					
Refrigerant	Type				R-32					
	GWP				675.0					
	Charge			kg	3.25					
	Charge			tCO2Eq	2.19					
	Control				Expansion valve					
Sound power level	Heating		Nom.	dBA	56.0				56.0 (1)	
	Cooling		Nom.	dBA	60.1	60.6	61.5	61.2	61.4 (2)	60.9 (2)
Sound pressure level	Heating		Nom.	dBA	40.6			41.1	41.1 (3)	
	Cooling		Nom.	dBA	47	47.4	48.5	47.1	47.1 (4)	47.2 (4)
Power supply	Name/Phase/Frequency/Voltage			Hz/V	V3/1~/50/230			W1/3~/50/400		
Current	Recommended fuses			A	32			16		

(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)Sound pressure level is a relative value, depending on the distance and acoustic environment. For more details, please refer to the sound level drawings. | (4)The sound pressure level is measured via a microphone at a certain distance from the unit. It is a relative value depending on the distance and acoustic environment. Refer to sound spectrum drawing for more information. Condition: Ta 35°C - LWE 7°C (DT = | Capacity according to standard EN14511 and valid for heated water range dT = 3~8°C at Ta 7°C | Condition: Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C) | Power input is total input of indoor and outdoor units, including the circulation pump; according to EN14511 | Test at Ta DB/WB 7°C/6°C. According to EN 16147. | DB/WB 7°C/6°C - LWC 35°C (dT=5°C) with pump at full speed | Operation area is extended to lower flow rates depending on operation mode - refer to ESP curve. | Based on a dT of 45 K | Including piping + PHE + back-up heater; excluding expansion vessel | Measured with a pressure drop of 10 kPa in the heating system at an operating condition of leaving water 47-55°C in a room with an ambient of 20°C. DB/WB 7°C/6°. | For more details, see operation range drawing | 4 pole 20 A curve 400V tripping class C (refer to wiring diagram)

DAIKIN altherma

Daikin Altherma 3 R MT F

Floor standing air to water heat pump for heating, cooling and hot water

- A combined stainless steel domestic hot water tank of 180 or 230L and heat pump for easy installation
- For hot water, heating and cooling
- Quick configuration in 9 steps in a high resolution colour interface wizard
- Inclusion of all hydraulic components means no third party components are required
- The unit's sleek design blends in with other household appliances.



011-1W0651
011-1W0652
011-1W0653
011-1W0654
011-1W0655
011-1W0656

011-1W0651
011-1W0652
011-1W0653
011-1W0654
011-1W0655
011-1W0656

ELVX-E6V | ELVX-E9W | ERRA08-12EW1 | ERRA08-12EV3

Efficiency data				ELVX + ERRA	12S18/23E6V/9W + 08EV3	12S18/23E6V/9W + 10EV3	12S18/23E6V/9W + 12EV3	12S18/23E6V/9W + 08EW1	12S18/23E6V/9W + 10EW1	12S18/23E6V/9W + 12EW1
Heating capacity			Nom.	kW	6.17					
Power input			Heating	kW		1.25			1.21	
Space heating	Average climate water outlet 55°C	General	SCOP		3.37	3.38	3.47		3.48	3.58
			ηs (Seasonal space heating efficiency)	%	132		136			140
			Seasonal space heating eff. class		A+++					
			Prated at -10°C	kW	12.5					
	Average climate water outlet 35°C	General	SCOP		4.79	4.82		4.95	4.98	
			ηs (Seasonal space heating efficiency)	%	188	190		195	196	
			Seasonal space heating eff. class		A+++					
			Prated at -10°C	kW	8.3					
Domestic hot water heating	General	Declared load profile			L					
	Average climate	COPdhw			2.72/2.96			2.80/3.05		
		ηwh (water heating efficiency)		%	117/126			120/130		
		Water heating energy efficiency class			A					

Indoor Unit				ELVX	12S18/23E6V/9W
Casing	Colour				White + Black
	Material				Precoated sheet metal
Dimensions	Unit	HeightxWidthxDepth		mm	1,655x595x634/1,855x595x634
Weight	Unit			kg	120/129
Tank	Water volume			l	180/230
	Maximum water temperature			°C	70.0
	Maximum water pressure			bar	10
	Corrosion protection				Pickling
Operation range	Indoor installation	Ambient	Min.~Max.	°CDB	5~35
	Heating	Water side	Min.~Max.	°CDB	15~65
	Domestic hot water	Water side	Min.~Max.	°CDB	25~62
Sound power level	Nom.			dBA	44.0
Sound pressure level	Nom.			dBA	30.0

Outdoor Unit				ERRA	08EV3	10EV3	12EV3	08EW1	10EW1	12EW1
Dimensions	Unit	HeightxWidthxDepth		mm	1,003x1,270x533					
Weight	Unit			kg	107					
Compressor	Quantity				1					
	Type				Hermetically sealed swing compressor					
Operation range	Heating		Min.~Max.	°CDB	-25.0~25					
	Cooling		Min.~Max.	°CDB	10~43					
	Domestic hot water		Min.~Max.	°CDB	-25~35					
Refrigerant	Type				R-32					
	GWP				675.0					
	Charge			kg	3.25					
	Charge			tCO2Eq	2.19					
	Control				Expansion valve					
Sound power level	Heating		Nom.	dBA	56.0				56.0 (1)	
	Cooling		Nom.	dBA	60.1	60.6	61.5	61.2	61.4 (2)	60.9 (2)
Sound pressure level	Heating		Nom.	dBA	40.6			41.1	41.1 (3)	
	Cooling		Nom.	dBA	47	47.4	48.5	47.1	47.1 (4)	47.2 (4)
Power supply	Name/Phase/Frequency/Voltage			Hz/V	V3/1~/50/230			W1/3~/50/400		
Current	Recommended fuses			A	32			16		

(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)Sound pressure level is a relative value, depending on the distance and acoustic environment. For more details, please refer to the sound level drawings. | (4)The sound pressure level is measured via a microphone at a certain distance from the unit. It is a relative value depending on the distance and acoustic environment. Refer to sound spectrum drawing for more information. Condition: Ta 35°C - LWE 7°C (DT = | Capacity according to standard EN14511 and valid for heated water range dT = 3~8°C at Ta 7°C | Condition: Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C) | Cooling: EW 12°C; LW 7°C; ambient conditions: 35°CDB | Cooling: EW 23°C; LW 18°C; ambient conditions: 35°CDB | Power input is total input of indoor and outdoor units, including the circulation pump; according to EN14511 | Test at Ta DB/WB 7°C/6°C. According to EN 16147. | DB/WB 7°C/6°C - LWC 35°C (dT=5°C) with pump at full speed | Operation area is extended to lower flow rates depending on operation mode - refer to ESP curve. | Based on a dT of 45 K | Including piping + PHE + back-up heater; excluding expansion vessel | Measured with a pressure drop of 10 kPa in the heating system at an operating condition of leaving water 47-55°C in a room with an ambient of 20°C. DB/WB 7°C/6°. | For more details, see operation range drawing | 4 pole 20 A curve 400V tripping class C (refer to wiring diagram)

Daikin Altherma 3 R MT F

Floor standing unit integrated with different temperature zones management

- A combined stainless steel domestic hot water tank of 180 or 230L and heat pump for easy installation
- Bi-zone allows temperature monitoring for 2 zones. Connect underfloor heating to radiators to optimise efficiency
- Quick configuration in 9 steps in a high resolution colour interface wizard
- Inclusion of all hydraulic components means no third party components are required
- The unit's sleek design blends in with other household appliances.



up to A+++ ↑ D | A+ ↑ F | 65 °C | R-32

011-1W0651
011-1W0652
011-1W0653
011-1W0654
011-1W0655
011-1W0656

011-1W0651
011-1W0652
011-1W0653
011-1W0654
011-1W0655
011-1W0656

ELVZ-E6V | ELVZ-E9W | ERRA08-12EW1 | ERRA08-12EV3

Efficiency data				ELVZ + ERRA	12S18/23E6V/9W + 08EV3	12S18/23E6V/9W + 10EV3	12S18/23E6V/9W + 12EV3	12S18/23E6V/9W + 08EW1	12S18/23E6V/9W + 10EW1	12S18/23E6V/9W + 12EW1
Heating capacity			Nom.	kW	6.17					
Power input			Heating	kW	1.25			1.21		
Space heating	Average climate water outlet 55°C	General	SCOP		3.34		3.44	3.42	3.43	3.53
			ηs (Seasonal space heating efficiency)	%	130	131	135	134		138
			Seasonal space heating eff. class		A+++					
			Prated at -10°C	kW	12.5					
	Average climate water outlet 35°C	General	SCOP		4.69	4.71		4.81	4.84	
			ηs (Seasonal space heating efficiency)	%	184	186		190	191	
			Seasonal space heating eff. class		A+++					
			Prated at -10°C	kW	8.3					
Domestic hot water heating	General	Declared load profile			L					
	Average climate	COPdhw			2.72/2.96			2.80/3.05		
		ηwh (water heating efficiency)		%	117/126			120/130		
		Water heating energy efficiency class			A+					

Indoor Unit				ELVZ	12S18/23E6V/9W
Casing	Colour				White + Black
	Material				Precoated sheet metal
Dimensions	Unit	HeightxWidthxDepth		mm	1,655x595x634/1,855x595x634
Weight	Unit			kg	133
Tank	Water volume			l	180
	Maximum water temperature			°C	70.0
	Maximum water pressure			bar	10
	Corrosion protection				Pickling
Operation range	Indoor installation	Ambient	Min.~Max.	°CDB	5~35
	Heating	Water side	Min.~Max.	°CDB	15~65
	Domestic hot water	Water side	Min.~Max.	°CDB	25~62
Sound power level	Nom.			dBA	44.0
Sound pressure level	Nom.			dBA	30.0

Outdoor Unit				ERRA	08EV3	10EV3	12EV3	08EW1	10EW1	12EW1
Dimensions	Unit	HeightxWidthxDepth		mm	1,003x1,270x533					
Weight	Unit			kg	107					
Compressor	Quantity				1					
	Type				Hermetically sealed swing compressor					
Operation range	Heating		Min.~Max.	°CDB	-25.0~25					
	Cooling		Min.~Max.	°CDB	10~43					
	Domestic hot water		Min.~Max.	°CDB	-25~35					
Refrigerant	Type				R-32					
	GWP				675.0					
	Charge			kg	3.25					
	Charge			tCO2Eq	2.19					
	Control				Expansion valve					
Sound power level	Heating		Nom.	dBA	56.0				56.0 (1)	
	Cooling		Nom.	dBA	60.1	60.6	61.5	61.2	61.4 (2)	60.9 (2)
Sound pressure level	Heating		Nom.	dBA	40.6			41.1	41.1 (3)	
	Cooling		Nom.	dBA	47	47.4	48.5	47.1	47.1 (4)	47.2 (4)
Power supply	Name/Phase/Frequency/Voltage			Hz/V	V3/1~/50/230			W1/3~/50/400		
Current	Recommended fuses			A	32			16		

(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)Sound pressure level is a relative value, depending on the distance and acoustic environment. For more details, please refer to the sound level drawings. | (4)The sound pressure level is measured via a microphone at a certain distance from the unit. It is a relative value depending on the distance and acoustic environment. Refer to sound spectrum drawing for more information. Condition: Ta 35°C - LWE 7°C (DT = | Capacity according to standard EN14511 and valid for heated water range dT = 3~8°C at Ta 7°C | Condition: Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C) | Power input is total input of indoor and outdoor units, including the circulation pump; according to EN14511 | Test at Ta DB/WB 7°C/6°C. According to EN 16147. | DB/WB 7°C/6°C - LWC 35°C (dT=5°C) with pump at full speed | Operation area is extended to lower flow rates depending on operation mode - refer to ESP curve. | Based on a dT of 45 K | Including piping + PHE + back-up heater; excluding expansion vessel | Measured with a pressure drop of 10 kPa in the heating system at an operating condition of leaving water 47-55°C in a room with an ambient of 20°C. DB/WB 7°C/6°. | For more details, see operation range drawing | 4 pole 20 A curve 400V tripping class C (refer to wiring diagram)

DAIKIN altherma

Daikin Altherma 3 R MT ECH$_2$O

Floor standing air to water heat pump for heating and hot water with thermal solar support

- Integrated solar unit, offering top comfort in heating and hot water
- Maintenance-free tank: no corrosion, anode, scale or lime deposits, and no loss of water through safety valve
- Quick configuration in 9 steps in a high resolution colour interface wizard
- Maximum use of renewable energy: uses heat pump technology for heating and solar support for space heating and domestic hot water production
- Fresh water principle: hygienic water, with no need for thermal legionella disinfection



up to A+++ A+++ ↑ D

A+ A+ ↑ F

65 °C

R-32

011-1W0657
011-1W0658

011-1W0657
011-1W0658

ELSH-E ERRA08-12EW1 ERRA08-12EV3

Efficiency data				ELSH + ERRA	12P30/50E + 08EV3	12P30/50E + 10EV3	12P30/50E + 12EV3	12P30/50E + 08EW1	12P30/50E + 10EW1	12P30/50E + 12EW1
Heating capacity			Nom.	kW	6.17					
Power input			Heating	kW	1.25				1.21	
Space heating	Average climate water outlet 55°C	General	SCOP		3.34		3.44	3.42	3.43	3.53
			ηs (Seasonal space heating efficiency)	%	130	131	135	134		138
			Seasonal space heating eff. class		A+					
			Prated at -10°C	kW	12.5					
	Average climate water outlet 35°C	General	SCOP		4.69	4.71		4.81	4.84	
			ηs (Seasonal space heating efficiency)	%	184	186		190	191	
			Seasonal space heating eff. class		A+					
			Prated at -10°C	kW	8.3					
Domestic hot water heating	General	Declared load profile			L/XL					
	Average climate	COPdhw			2.75/3.19			2.83/3.29		
		ηwh (water heating efficiency)		%	116/132			119/136		
		Water heating energy efficiency class			A+					

Indoor Unit				ELSH	12P30/50E
Casing	Colour				Traffic white (RAL9016)/Traffic black (RAL9017)
	Material				Impact resistant polypropylene
Dimensions	Unit	HeightxWidthxDepth		mm	1,893x594x680/1,910x792x
Weight	Unit			kg	76.0/91
Tank	Water volume			l	294/477
	Maximum water temperature			°C	85.0
Operation range	Indoor installation	Ambient	Min.~Max.	°CDB	5~35
	Heating	Water side	Min.~Max.	°CDB	15~65
	Domestic hot water	Water side	Min.~Max.	°CDB	25~62
Sound power level	Nom.			dBA	44.7
Sound pressure level	Nom.			dBA	36.8

Outdoor Unit				ERRA	08EV3	10EV3	12EV3	08EW1	10EW1	12EW1
Dimensions	Unit	HeightxWidthxDepth		mm	1,003x1,270x533					
Weight	Unit			kg	107					
Compressor	Quantity				1					
	Type				Hermetically sealed swing compressor					
Operation range	Heating		Min.~Max.	°CDB	-25.0~25					
	Cooling		Min.~Max.	°CDB	10~43					
	Domestic hot water		Min.~Max.	°CDB	-25~35					
Refrigerant	Type				R-32					
	GWP				675.0					
	Charge			kg	3.25					
	Charge			tCO2Eq	2.19					
	Control				Expansion valve					
Sound power level	Heating		Nom.	dBA	56.0				56.0 (1)	
	Cooling		Nom.	dBA	60.1	60.6	61.5	61.2	61.4 (2)	60.9 (2)
Sound pressure level	Heating		Nom.	dBA	40.6			41.1	41.1 (3)	
	Cooling		Nom.	dBA	47	47.4	48.5	47.1	47.1 (4)	47.2 (4)
Power supply	Name/Phase/Frequency/Voltage			Hz/V	V3/1~/50/230			W1/3~/50/400		
Current	Recommended fuses			A	32			16		

(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)Sound pressure level is a relative value, depending on the distance and acoustic environment. For more details, please refer to the sound level drawings. | (4)The sound pressure level is measured via a microphone at a certain distance from the unit. It is a relative value depending on the distance and acoustic environment. Refer to sound spectrum drawing for more information. Condition: Ta 35°C - LWE 7°C (DT = | Capacity according to standard EN14511 and valid for heated water range dT = 3~8°C at Ta 7°C | Condition: Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C) | Power input is total input of indoor and outdoor units, including the circulation pump; according to EN14511 | Test at Ta DB/WB 7°C/6°C. According to EN 16147. | DB/WB 7°C/6°C - LWC 35°C (dT=5°C) with pump at full speed | Operation area is extended to lower flow rates depending on operation mode - refer to ESP curve. | Heatloss according to EN12897 | For more details, see operation range drawing

Daikin Altherma 3 R MT ECH$_2$O

Floor standing air to water heat pump for bivalent heating and hot water with thermal solar support

- Integrated solar unit, offering top comfort in heating and hot water
- Maintenance-free tank: no corrosion, anode, scale or lime deposits, and no loss of water through safety valve
- Quick configuration in 9 steps in a high resolution colour interface wizard
- Maximum use of renewable energy: uses heat pump technology for heating and solar support for space heating and domestic hot water production
- Fresh water principle: hygienic water, with no need for thermal legionella disinfection





011-1W0657
011-1W0658

011-1W0657
011-1W0658

ELSHB-E | ERRA08-12EW1 | ERRA08-12EV3

Efficiency data				ELSHB + ERRA	12P30/50E + 08EV3	12P30/50E + 10EV3	12P30/50E + 12EV3	12P30/50E + 08EW1	12P30/50E + 10EW1	12P30/50E + 12EW1
Heating capacity			Nom.	kW	6.17					
Power input			Heating	kW	1.25			1.21		
Space heating	Average climate water outlet 55°C	General	SCOP		3.34		3.44	3.42	3.43	3.53
			ηs (Seasonal space heating efficiency)	%	130	131	135	134		138
			Seasonal space heating eff. class		A+++					
			Prated at -10°C	kW	12.5					
	Average climate water outlet 35°C	General	SCOP		4.69	4.71		4.81	4.84	
			ηs (Seasonal space heating efficiency)	%	184	186		190	191	
			Seasonal space heating eff. class		A+++					
			Prated at -10°C	kW	8.3					
Domestic hot water heating	General	Declared load profile			L/XL					
	Average climate	COPdhw			2.75/3.19			2.83/3.29		
		ηwh (water heating efficiency)		%	116/132			119/136		
		Water heating energy efficiency class			A+					

Indoor Unit				ELSHB	12P30/50E
Casing	Colour				Traffic white (RAL9016)/Traffic black (RAL9017)
	Material				Impact resistant polypropylene
Dimensions	Unit	HeightxWidthxDepth		mm	1,893x594x680/1,910x792x817
Weight	Unit			kg	76.0/91
Tank	Water volume			l	294/477
	Maximum water temperature			°C	85.0
Operation range	Indoor installation	Ambient	Min.~Max.	°CDB	5~35
	Heating	Water side	Min.~Max.	°CDB	15~65
	Domestic hot water	Water side	Min.~Max.	°CDB	25~62
Sound power level	Nom.			dBA	44.7
Sound pressure level	Nom.			dBA	36.8

Outdoor Unit				ERRA	08EV3	10EV3	12EV3	08EW1	10EW1	12EW1
Dimensions	Unit	HeightxWidthxDepth		mm	1,003x1,270x533					
Weight	Unit			kg	107					
Compressor	Quantity				1					
	Type				Hermetically sealed swing compressor					
Operation range	Heating		Min.~Max.	°CDB	-25.0~25					
	Cooling		Min.~Max.	°CDB	10~43					
	Domestic hot water		Min.~Max.	°CDB	-25~35					
Refrigerant	Type				R-32					
	GWP				675.0					
	Charge			kg	3.25					
	Charge			tCO2Eq	2.19					
	Control				Expansion valve					
Sound power level	Heating		Nom.	dBA	56.0				56.0 (1)	
	Cooling		Nom.	dBA	60.1	60.6	61.5	61.2	61.4 (2)	60.9 (2)
Sound pressure level	Heating		Nom.	dBA	40.6			41.1	41.1 (3)	
	Cooling		Nom.	dBA	47	47.4	48.5	47.1	47.1 (4)	47.2 (4)
Power supply	Name/Phase/Frequency/Voltage			Hz/V	V3/1~/50/230			W1/3~/50/400		
Current	Recommended fuses			A	32			16		

(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)Sound pressure level is a relative value, depending on the distance and acoustic environment. For more details, please refer to the sound level drawings. | (4)The sound pressure level is measured via a microphone at a certain distance from the unit. It is a relative value depending on the distance and acoustic environment. Refer to sound spectrum drawing for more information. Condition: Ta 35°C - LWE 7°C (DT = | Capacity according to standard EN14511 and valid for heated water range dT = 3~8°C at Ta 7°C | Condition: Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C) | Power input is total input of indoor and outdoor units, including the circulation pump; according to EN14511 | Test at Ta DB/WB 7°C/6°C. According to EN 16147. | DB/WB 7°C/6°C - LWC 35°C (dT=5°C) with pump at full speed | Operation area is extended to lower flow rates depending on operation mode - refer to ESP curve. | Heatloss according to EN12897 | For more details, see operation range drawing | Cooling: EW 12°C; LW 7°C; ambient conditions: 35°CDB | Cooling: EW 23°C; LW 18°C; ambient conditions: 35°CDB

DAIKIN altherma

Daikin Altherma 3 R MT ECH$_2$O

Floor standing air to water heat pump for heating, cooling and hot water with thermal solar support

- Integrated solar unit, offering top comfort in heating and hot water
- Maintenance-free tank: no corrosion, anode, scale or lime deposits, and no loss of water through safety valve
- Quick configuration in 9 steps in a high resolution colour interface wizard
- Maximum use of renewable energy: uses heat pump technology for heating and solar support for space heating and domestic hot water production
- Fresh water principle: hygienic water, with no need for thermal legionella disinfection





011-1W0657
011-1W0658

011-1W0657
011-1W0658

ELSX-E | ERRA08-12EW1 | ERRA08-12EV3

Efficiency data				ELSX + ERRA	12P30/50E + 08EV3	12P30/50E + 10EV3	12P30/50E + 12EV3	12P30/50E + 08EW1	12P30/50E + 10EW1	12P30/50E + 12EW1
Heating capacity			Nom.	kW	6.17					
Power input			Heating	kW		1.25			1.21	
Space heating	Average climate water outlet 55°C	General	SCOP		3.37	3.38	3.47		3.48	3.58
			ηs (Seasonal space heating efficiency)	%	132			136		140
			Seasonal space heating eff. class				A+			
			Prated at -10°C	kW			12.5			
	Average climate water outlet 35°C	General	SCOP		4.79	4.82		4.95	4.98	
			ηs (Seasonal space heating efficiency)	%	188	190		195	196	
			Seasonal space heating eff. class				A+			
			Prated at -10°C	kW			8.3			
Domestic hot water heating	General	Declared load profile					L/XL			
	Average climate	COPdhw				2.75/3.19			2.83/3.29	
		ηwh (water heating efficiency)		%		116/132			119/136	
		Water heating energy efficiency class					A+			

Indoor Unit				ELSX	12P30/50E
Casing	Colour				Traffic white (RAL9016)/Traffic black (RAL9017)
	Material				Impact resistant polypropylene
Dimensions	Unit	HeightxWidthxDepth		mm	1,893x594x680/1,910x792x817
Weight	Unit			kg	76.0/91
Tank	Water volume			l	294/477
	Maximum water temperature			°C	85.0
Operation range	Indoor installation	Ambient	Min.~Max.	°CDB	5~35
	Heating	Water side	Min.~Max.	°CDB	15~65
	Domestic hot water	Water side	Min.~Max.	°CDB	25~62
Sound power level	Nom.			dBA	44.7
Sound pressure level	Nom.			dBA	36.8

Outdoor Unit				ERRA	08EV3	10EV3	12EV3	08EW1	10EW1	12EW1
Dimensions	Unit	HeightxWidthxDepth		mm	1,003x1,270x533					
Weight	Unit			kg	107					
Compressor	Quantity				1					
	Type				Hermetically sealed swing compressor					
Operation range	Heating		Min.~Max.	°CDB	-25.0~25					
	Cooling		Min.~Max.	°CDB	10~43					
	Domestic hot water		Min.~Max.	°CDB	-25~35					
Refrigerant	Type				R-32					
	GWP				675.0					
	Charge			kg	3.25					
	Charge			tCO2Eq	2.19					
	Control				Expansion valve					
Sound power level	Heating		Nom.	dBA	56.0				56.0 (1)	
	Cooling		Nom.	dBA	60.1	60.6	61.5	61.2	61.4 (2)	60.9 (2)
Sound pressure level	Heating		Nom.	dBA	40.6			41.1	41.1 (3)	
	Cooling		Nom.	dBA	47	47.4	48.5	47.1	47.1 (4)	47.2 (4)
Power supply	Name/Phase/Frequency/Voltage			Hz/V	V3/1~/50/230			W1/3~/50/400		
Current	Recommended fuses			A	32			16		

(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)Sound pressure level is a relative value, depending on the distance and acoustic environment. For more details, please refer to the sound level drawings. | (4)The sound pressure level is measured via a microphone at a certain distance from the unit. It is a relative value depending on the distance and acoustic environment. Refer to sound spectrum drawing for more information. Condition: Ta 35°C - LWE 7°C (DT = | Capacity according to standard EN14511 and valid for heated water range dT = 3~8°C at Ta 7°C | Condition: Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C) | Cooling: EW 12°C; LW 7°C; ambient conditions: 35°CDB | Cooling: EW 23°C; LW 18°C; ambient conditions: 35°CDB | Power input is total input of indoor and outdoor units, including the circulation pump; according to EN14511 | Test at Ta DB/WB 7°C/6°C. According to EN 16147. | DB/WB 7°C/6°C - LWC 35°C (dT=5°C) with pump at full speed | Operation area is extended to lower flow rates depending on operation mode - refer to ESP curve. | Heatloss according to EN12897 | For more details, see operation range drawing

Daikin Altherma 3 R MT ECH$_2$O

Floor standing air to water heat pump for bivalent heating, cooling and hot water with thermal solar support

- Integrated solar unit, offering top comfort in heating and hot water
- Maintenance-free tank: no corrosion, anode, scale or lime deposits, and no loss of water through safety valve
- Quick configuration in 9 steps in a high resolution colour interface wizard
- Maximum use of renewable energy: uses heat pump technology for heating and solar support for space heating and domestic hot water production
- Fresh water principle: hygienic water, with no need for thermal legionella disinfection



up to A+++ A+++ ↑ D | A+ A+ ↑ F | 65 °C | R-32

011-1W0657
011-1W0658

011-1W0657
011-1W0658

ELSXB-E | ERRA08-12EW1 | ERRA08-12EV3

Efficiency data				ELSXB + ERRA0	12P30/50E + 08EV3	12P30/50E + 10EV3	12P30/50E + 12EV3	12P30/50E + 08EW1	12P30/50E + 10EW1	12P30/50E + 12EW1
Heating capacity			Nom.	kW	6.17					
Power input			Heating	kW		1.25			1.21	
Space heating	Average climate water outlet 55°C	General	SCOP		3.37	3.38	3.47		3.48	3.58
			ηs (Seasonal space heating efficiency)	%	132		136			140
			Seasonal space heating eff. class				A+			
			Prated at -10°C	kW			12.5			
	Average climate water outlet 35°C	General	SCOP		4.79	4.82		4.95	4.98	
			ηs (Seasonal space heating efficiency)	%	188	190		195	196	
			Seasonal space heating eff. class				A+			
			Prated at -10°C	kW			8.3			
Domestic hot water heating	General	Declared load profile					L/XL			
	Average climate	COPdhw				2.75/3.19			2.83/3.29	
		ηwh (water heating efficiency)		%		116/132			119/136	
		Water heating energy efficiency class					A			

Indoor Unit				ELSXB	12P30/50E
Casing	Colour				Traffic white (RAL9016)/Traffic black (RAL9017)
	Material				Impact resistant polypropylene
Dimensions	Unit	HeightxWidthxDepth		mm	1,893x594x680/1,910x792x817
Weight	Unit			kg	76.0/91
Tank	Water volume			l	294/477
	Maximum water temperature			°C	85.0
Operation range	Indoor installation	Ambient	Min.~Max.	°CDB	5~35
	Heating	Water side	Min.~Max.	°CDB	15~65
	Domestic hot water	Water side	Min.~Max.	°CDB	25~62
Sound power level	Nom.			dBA	44.7
Sound pressure level	Nom.			dBA	36.8

Outdoor Unit				ERRA	08EV3	10EV3	12EV3	08EW1	10EW1	12EW1
Dimensions	Unit	HeightxWidthxDepth		mm	1,003x1,270x533					
Weight	Unit			kg	107					
Compressor	Quantity				1					
	Type				Hermetically sealed swing compressor					
Operation range	Heating		Min.~Max.	°CDB	-25.0~25					
	Cooling		Min.~Max.	°CDB	10~43					
	Domestic hot water		Min.~Max.	°CDB	-25~35					
Refrigerant	Type				R-32					
	GWP				675.0					
	Charge			kg	3.25					
	Charge			tCO2Eq	2.19					
	Control				Expansion valve					
Sound power level	Heating		Nom.	dBA	56.0				56.0 (1)	
	Cooling		Nom.	dBA	60.1	60.6	61.5	61.2	61.4 (2)	60.9 (2)
Sound pressure level	Heating		Nom.	dBA	40.6			41.1	41.1 (3)	
	Cooling		Nom.	dBA	47	47.4	48.5	47.1	47.1 (4)	47.2 (4)
Power supply	Name/Phase/Frequency/Voltage			Hz/V	V3/1~/50/230			W1/3~/50/400		
Current	Recommended fuses			A	32			16		

(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)Sound pressure level is a relative value, depending on the distance and acoustic environment. For more details, please refer to the sound level drawings. | (4)The sound pressure level is measured via a microphone at a certain distance from the unit. It is a relative value depending on the distance and acoustic environment. Refer to sound spectrum drawing for more information. Condition: Ta 35°C - LWE 7°C (DT = | Capacity according to standard EN14511 and valid for heated water range dT = 3~8°C at Ta 7°C | Condition: Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C) | Cooling: EW 12°C; LW 7°C; ambient conditions: 35°CDB | Cooling: EW 23°C; LW 18°C; ambient conditions: 35°CDB | Power input is total input of indoor and outdoor units, including the circulation pump; according to EN14511 | Test at Ta DB/WB 7°C/6°C. According to EN 16147. | DB/WB 7°C/6°C - LWC 35°C (dT=5°C) with pump at full speed | Operation area is extended to lower flow rates depending on operation mode - refer to ESP curve. | Heatloss according to EN12897 | For more details, see operation range drawing

DAIKIN altherma

Daikin Altherma 3 R MT W

Wall mounted heating only air to water heat pump ideal for low energy houses

- Quick configuration in 9 steps in a high resolution colour interface wizard
- Compact dimensions allows for small installation space, as almost no side clearances are required.
- Combine with a stainless steel tank or ECH$_2$O thermal store.
- Inclusion of all hydraulic components means no third party components are required
- The unit's sleek design blends in with other household appliances.



up to A+++ (A+++ to D)

65 °C

R-32

011-1W0651
011-1W0653
011-1W0655

ELBH-E6V | ELBH-E9W | ERRA08-12EW1 | ERRA08-12EV3

Efficiency data				ELBH + ERRA	12E6V/9W + 08EV3	12E6V/9W + 10EV3	12E6V/9W + 12EV3	12E6V/9W + 08EW1	12E6V/9W + 10EW1	12E6V/9W + 12EW1
Heating capacity			Nom.	kW	6.17					
Power input			Heating	kW	1.25			1.21		
Space heating	Average climate water outlet 55°C	General	SCOP		3.34		3.44	3.42	3.43	3.53
			ηs (Seasonal space heating efficiency)	%	130	131	135	134		138
			Seasonal space heating eff. class		A+++					
			Prated at -10°C	kW	12.5					
	Average climate water outlet 35°C	General	SCOP		4.69	4.71		4.81	4.84	
			ηs (Seasonal space heating efficiency)	%	184	186		190	191	
			Seasonal space heating eff. class		A+++					
			Prated at -10°C	kW	8.3					
Domestic hot water heating	General	Declared load profile			-					
	Average climate	COPdhw			-					
		ηwh (water heating efficiency)		%	-					
		Water heating energy efficiency class			-					

Indoor Unit				ELBH	12E6V/9W
Casing	Colour				White + Black
	Material				Resin, sheet metal
Dimensions	Unit	HeightxWidthxDepth		mm	840x440x390
Weight	Unit			kg	48.5
Operation range	Indoor installation	Ambient	Min.~Max.	°CDB	5~35
	Heating	Water side	Min.~Max.	°CDB	15~65
	Domestic hot water	Water side	Min.~Max.	°CDB	25~62
Sound power level	Nom.			dBA	44.0
Sound pressure level	Nom.			dBA	30.0

Outdoor Unit				ERRA	08EV3	10EV3	12EV3	08EW1	10EW1	12EW1
Dimensions	Unit	HeightxWidthxDepth		mm	1,003x1,270x533					
Weight	Unit			kg	107					
Compressor	Quantity				1					
	Type				Hermetically sealed swing compressor					
Operation range	Heating		Min.~Max.	°CDB	-25.0~25					
	Cooling		Min.~Max.	°CDB	10~43					
	Domestic hot water		Min.~Max.	°CDB	-25~35					
Refrigerant	Type				R-32					
	GWP				675.0					
	Charge			kg	3.25					
	Charge			tCO2Eq	2.19					
	Control				Expansion valve					
Sound power level	Heating		Nom.	dBA	56.0				56.0 (1)	
	Cooling		Nom.	dBA	60.1	60.6	61.5	61.2	61.4 (2)	60.9 (2)
Sound pressure level	Heating		Nom.	dBA	40.6			41.1	41.1 (3)	
	Cooling		Nom.	dBA	47	47.4	48.5	47.1	47.1 (4)	47.2 (4)
Power supply	Name/Phase/Frequency/Voltage			Hz/V	V3/1~/50/230			W1/3~/50/400		
Current	Recommended fuses			A	32			16		

(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)Sound pressure level is a relative value, depending on the distance and acoustic environment. For more details, please refer to the sound level drawings. | (4)The sound pressure level is measured via a microphone at a certain distance from the unit. It is a relative value depending on the distance and acoustic environment. Refer to sound spectrum drawing for more information. Condition: Ta 35°C - LWE 7°C (DT = | Capacity according to standard EN14511 and valid for heated water range dT = 3~8°C at Ta 7°C | Condition: Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C) | Power input is total input of indoor and outdoor units, including the circulation pump; according to EN14511 | DB/WB 7°C/6°C - LWC 35°C (dT=5°C) with pump at full speed | Operation area is extended to lower flow rates depending on operation mode - refer to ESP curve. | Excluding the water volume in the unit. This volume will guarantee suficient defrost energy for all applications, however, this volume can be multiplied by 0.66 if the heating sepoint is ≥ 45° C (eg. Fan coils) | Measured with a pressure drop of 10 kPa in the heating system at an operating condition of leaving water 47-55°C in a room with an ambient of 20°C. DB/WB 7°C/6°. | Sound values are measured in a semi-anechoic room. Sound pressure level is a relative value, depending on the distance and acoustic environment. For more details, please refer to the sound level drawings. Sound power level is an absolute value that a so | For more details, see operation range drawing | 4 pole 20 A curve 400V tripping class C (refer to wiring diagram)

Daikin Altherma 3 R MT W

Wall mounted reversible air to water heat pump ideal for low energy houses

- Quick configuration in 9 steps in a high resolution colour interface wizard
- Compact dimensions allows for small installation space, as almost no side clearances are required.
- Combine with a stainless steel tank or ECH$_2$O thermal store.
- Inclusion of all hydraulic components means no third party components are required
- The unit's sleek design blends in with other household appliances.



up to A+++ A+++ ↑ D

65 °C

R-32

011-1W0651
011-1W0653
011-1W0655

ELBX-E6V | ELBX-E9W | ERRA08-12EW1 | ERRA08-12EV3

Efficiency data					ELBX + ERRA	12E6V/9W + 08EV3	12E6V/9W + 10EV3	12E6V/9W + 12EV3	12E6V/9W + 08EW1	12E6V/9W + 10EW1	12E6V/9W + 12EW1
Heating capacity			Nom.	kW		6.17					
Power input			Heating	kW		1.25			1.21		
Space heating	Average climate water outlet 55°C	General	SCOP			3.37	3.38	3.47		3.48	3.58
			ηs (Seasonal space heating efficiency)	%		132		136			140
			Seasonal space heating eff. class					A+++			
			Prated at -10°C	kW		12.5					
	Average climate water outlet 35°C	General	SCOP			4.79	4.82		4.95	4.98	
			ηs (Seasonal space heating efficiency)	%		188	190		195	196	
			Seasonal space heating eff. class					A+++			
			Prated at -10°C	kW		8.3					
Domestic hot water heating	General	Declared load profile				-					
	Average climate	COPdhw				-					
		ηwh (water heating efficiency)		%		-					
		Water heating energy efficiency class				-					

Indoor Unit					ELBX	12E6V/9W
Casing	Colour					White + Black
	Material					Resin, sheet metal
Dimensions	Unit	HeightxWidthxDepth			mm	840x440x390
Weight	Unit				kg	48.5
Operation range	Indoor installation	Ambient	Min.~Max.		°CDB	5~35
	Heating	Water side	Min.~Max.		°CDB	15~65
	Domestic hot water	Water side	Min.~Max.		°CDB	25~62
Sound power level	Nom.				dBA	44.0
Sound pressure level	Nom.				dBA	30.0

Outdoor Unit				ERRA	08EV3	10EV3	12EV3	08EW1	10EW1	12EW1
Dimensions	Unit	HeightxWidthxDepth	mm		1,003x1,270x533					
Weight	Unit		kg		107					
Compressor	Quantity				1					
	Type				Hermetically sealed swing compressor					
Operation range	Heating	Min.~Max.	°CDB		-25.0~25					
	Cooling	Min.~Max.	°CDB		10~43					
	Domestic hot water	Min.~Max.	°CDB		-25~35					
Refrigerant	Type				R-32					
	GWP				675.0					
	Charge		kg		3.25					
	Charge		tCO2Eq		2.19					
	Control				Expansion valve					
Sound power level	Heating	Nom.	dBA		56.0				56.0 (1)	
	Cooling	Nom.	dBA		60.1	60.6	61.5	61.2	61.4 (2)	60.9 (2)
Sound pressure level	Heating	Nom.	dBA		40.6			41.1	41.1 (3)	
	Cooling	Nom.	dBA		47	47.4	48.5	47.1	47.1 (4)	47.2 (4)
Power supply	Name/Phase/Frequency/Voltage		Hz/V		V3/1~/50/230			W1/3~/50/400		
Current	Recommended fuses		A		32			16		

(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)Sound pressure level is a relative value, depending on the distance and acoustic environment. For more details, please refer to the sound level drawings. | (4)The sound pressure level is measured via a microphone at a certain distance from the unit. It is a relative value depending on the distance and acoustic environment. Refer to sound spectrum drawing for more information. Condition: Ta 35°C - LWE 7°C (DT = | Capacity according to standard EN14511 and valid for heated water range dT = 3~8°C at Ta 7°C | Condition: Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C) | Cooling: EW 12°C; LW 7°C; ambient conditions: 35°CDB | Cooling: EW 23°C; LW 18°C; ambient conditions: 35°CDB | Power input is total input of indoor and outdoor units, including the circulation pump; according to EN14511 | DB/WB 7°C/6°C - LWC 35°C (dT=5°C) with pump at full speed | Operation area is extended to lower flow rates depending on operation mode - refer to ESP curve. | Excluding the water volume in the unit. This volume will guarantee suficient defrost energy for all applications, however, this volume can be multiplied by 0.66 if the heating sepoint is ≥ 45° C (eg. Fan coils) | Measured with a pressure drop of 10 kPa in the heating system at an operating condition of leaving water 47-55°C in a room with an ambient of 20°C. DB/WB 7°C/6°. | Sound values are measured in a semi-anechoic room. Sound pressure level is a relative value, depending on the distance and acoustic environment. For more details, please refer to the sound level drawings. Sound power level is an absolute value that a so | For more details, see operation range drawing | 4 pole 20 A curve 400V tripping class C (refer to wiring diagram)

Combination table and options

			H/O
			3 R MT
			ELVH12S18E6V
			ELVH12S18E9W
			ELVH12S23E6V
			ELVH12S23E9W
Type	**Description**	**Material name**	
Outdoor unit		ERRA08EV3/W1	•
		ERRA10EV3/W1	•
		ERRA12EV3/W1	•
Controller	Wireless room by room control	Daikin Home Controls (page 242)	•
	Madoka wired room thermostat	BRC1HHDK/S/W(7)	•
	Wireless room thermostat	EKRTRB	•
	Wired digital thermostat	EKRTWA	•
	WLAN module	BRP069A71	•
	LAN module	BRP069A62	•
	WLAN cartridge	BRP069A78	• (1)
	Wired digital thermostat	EKWCTRDI1V3	•
	Wired analog thermostat	EKWCTRAN1V3	•
	Wired underfloor heating base station	EKWUFHTA1V3	•
	Universal centralized controller	EKCC9-W, DCOM-LT/IO, LT/MB	•
Domestic hot water	Stainless steel tank	EKHWS(P)(U)150D3V3	
		EKHWS(P)(U)180D3V3	
		EKHWS(P)(U)200D3V3	
		EKHWS(P)(U)250D3V3	
		EKHWS(P)(U)300D3V3	
	Polypropylene tank	EKHWP300B	
		EKHWP500B	
		EKHWP300PB	
		EKHWP500PB	
	Third party tank kit	EKHY3PART	
		EKHY3PART2	
Sensors	External sensor for EKRTRB room thermostat	EKRTETS	•
	High voltage smart grid relay kit	EKRELSG	•
	Remote indoor temperature sensor	KRCS01-1	• (6)
	Remote outdoor temperature sensor	EKRSCA1	• (6)
	Generic Bizone kit (PCB only)	EKMIKPOA	•
	Generic Bizone kit	EKMIKPHA	•
Other options	Digital I/O PCB	EKRP1HBA	• (7)
	Demand PCB	EKRP1AHT	•
	PC USB cable	EKPCCAB4	•
	Conversion kit H/O to reversible for floor standing	EKHVCONV4	•
	Conversion kit H/O to reversible for wall mounted	EKHBCONV	
	Booster heater kit	EKBH3SD	
ECH$_2$O options	Inline BUH - connection kit	EKECBUCO2AF	
	Inline BUH - 3kW, for *3V (1N~, 230 V, 3 kW)	EKECBUAF3V	
	Inline BUH - 6kW, for *6V (1N~, 230 V, 6 kW)	EKECBUAF6V	
	Inline BUH - 9kW, for *9WN (3N~, 400 V, 9 kW)	EKECBUAF9W	
	Caleffi sludge and magnetite separator SAS1	156021	
	Biv Connector Kit	EKECBIVCO2AF	
	DB connector Kit	EKECDBCO2AF	
	Solar kit HT incl. pump station	EKSRPS4A	
Home Hub	Daikin Home Hub	EKRHH	•
	Current sensor for single & three phase (power supply included)	EKCSS1P/3P	•
	Cable P1 to USB	EKP1USB	•

(1) Included in accessory bag.
(2 Dedicated connection kit: EKEPRHLT3HX.
(3) Dedicated connection kit: ETBH: EKEPRHLT5H / ETBX: EKEPRHLT5X.
(4) EKHY3PART can be used if you have a tank in which you can insert the thermistor.
(5) EKHY3PART2 can be used if you have a tank in which you can't insert a thermistor.
(6) Only one sensor can be connected: indoor or outdoor.
(7) Additional relays to allow bivalent control in combination with external room thermostat are field supply.
(8) Only 1 Backup heater can be connected on one unit: 3 or 6* or 9 kW (*No 6T1-model applicable). EKECBUCO2AF is needed to connect the backup heater to the main unit.
(9) Only bivalent models.
(10) Only needed for 300 models. 500 models do not need DB connector kit to install DB solar system.
(11) Models EKHWSU150DV3, EKHWSU180DV3, EKHWSU200DV3, EKHWSU250DV3 and EKHWSU300DV3 are not available for the UK.

Floor standing integrated tank		Floor standing integrated ECH_2O	Wall mounted	
Reversible	Bizone		H/O	Reversible
3 R MT	3 R MT	3 R MT	3 R MT	3 R MT
ELVX12S18E6V	ELVZ12S18E6V	ELSH(B)12P30E		
ELVX12S18E9W	ELVZ12S18E9W	ELSH(B)12P50E		
ELVX12S23E6V	ELVZ12S23E6V	ELSX(B)12P30E	ELBH12E6V	ELBX12E6V
ELVX12S23E9W	ELVZ12S23E9W	ELSX(B)12P50E	ELBH12E9W	ELBX12E9W
•	•	•	•	•
•	•	•	•	•
•	•	•	•	•
•	•	•	•	•
•	•	•	•	•
•	•	•	•	•
•	•	•	•	•
•	•	•	•	•
•	•	•	•	•
• (1)	• (1)	• (1)	• (1)	• (1)
•	•	•	•	•
•	•	•	•	•
•	•	•	•	•
•	•	•	•	•
			• (11)	• (11)
			• (11)	• (11)
			• (11)	• (11)
			• (11)	• (11)
			• (11)	• (11)
			• (2)	• (2)
			• (3)	• (3)
			• (2)	• (2)
			• (3)	• (3)
			• (4)	• (4)
			• (5)	• (5)
•	•	•	•	•
•	•	•	•	•
• (6)	• (6)	• (6)	• (6)	• (6)
• (6)	• (6)	• (6)	• (6)	• (6)
•		•	•	•
•		•	•	•
• (7)	• (7)		• (7)	• (7)
•	•	•	•	•
•	•	•	•	•
	•			
			•	
			•	•
		•		
		• (8)		
		• (8)		
		• (8)		
		•		
		• (9)		
		• (10)		
		•		
•	•	•	•	•
•	•	•	•	•
•	•	•	•	•

KAIMAMHXANIKH

Daikin Altherma 3 R

Refrigerant split air-to-water heat pump

Capacities from 11-16 kW

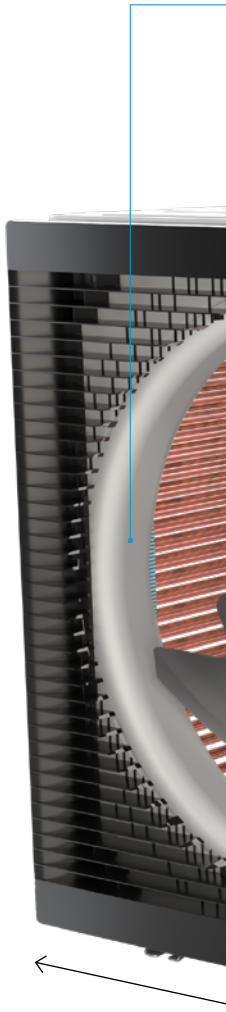


The Daikin Altherma 3 R is a high capacity R-32 refrigerant split unit, providing cooling next to heating and domestic hot water.

ΚΛΙΜΑΜΗΧΑΝΙΚΗ

Refrigerant split version

Daikin Altherma 3 R with capacities from 11-16 kW connects the outdoor unit and indoor unit with refrigerant piping. It transfers the energy from the air to the water circuit inside.



Ideal for new buildings

As a low temperature heat pump, it is particularly efficient with low temperature emitters, such as underfloor heating and heat pump convectors, both available in the total Daikin solution.



Heat pump convector



Underfloor heating



Continuous comfort:
leaving water temperatures up to 60°C

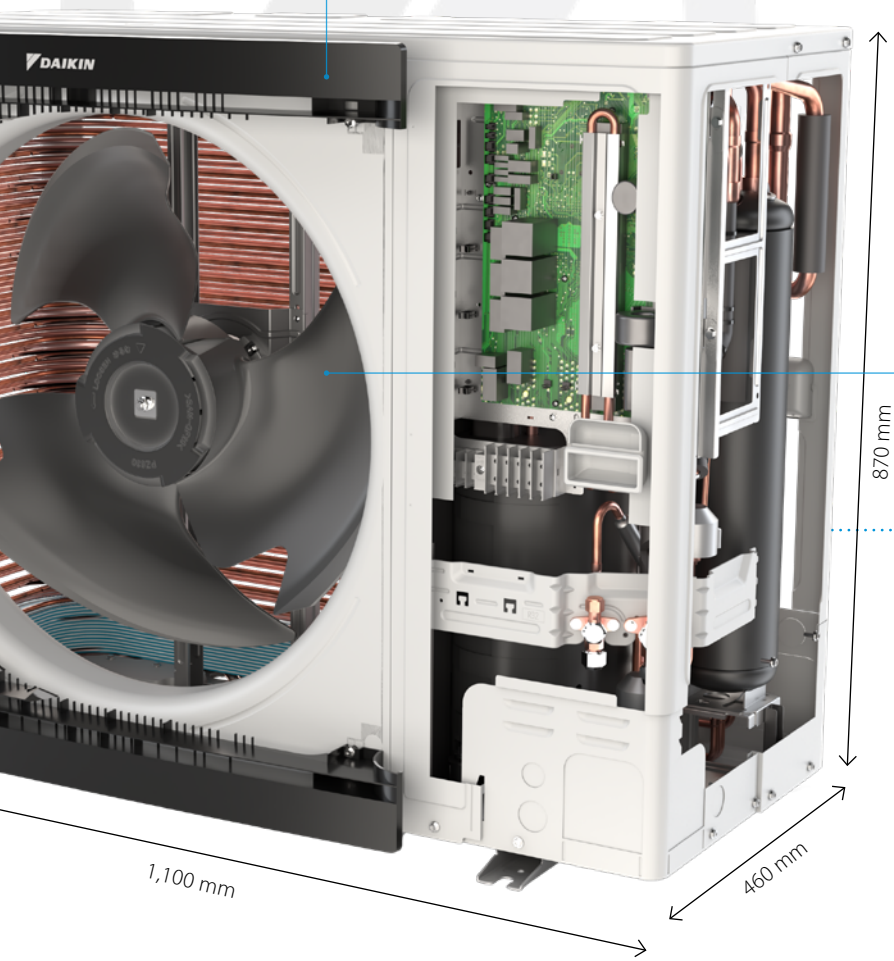
Perfect for new buildings thanks to its low temperature operation

Compactness

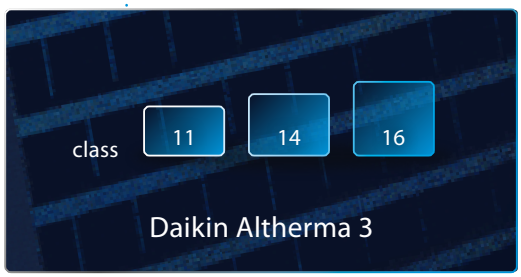
Ideal for small spaces
Thanks to its single fan, the height is limited, and its black grille makes it fit discretely in all kind of exteriors. Ideal for new built houses.

A redesigned casing
A black horizontal front grille hides the single fan, reducing the perception of sound produced by the unit.

The light grey casing reflects the installation space to help the unit blend into any environment.



A single fan for high-capacity units
Daikin engineers replaced the double fan with one larger fan and optimised its shape to lower the operational sound and improve air circulation.



Check out the improved compactness!

Daikin Altherma 3 R F

Floor standing air to water heat pump for heating and hot water

- Small installation footprint, similar to other household appliances
- A combined stainless steel domestic hot water tank of 180 or 230L and heat pump for easy installation
- PCB board and hydraulic components are located in the front for easy access
- W-LAN module and cartridge compatible
- Integrated back-up heater choice of 6, 9 kW as well as back-up heater less models are available



up to A+++ A A+++ D | A+ A+ F | 60 °C | R-32

011-1W0495
011-1W0496
011-1W0497
011-1W0498
011-1W0499
011-1W0500

EBVH-D6V | EBVH-D9W | ERLA11-14DV3 | ERLA11-14DW1 | ERLA-DV37 | ERLA-DW17

Efficiency data				EBVH + ERLA	11S18/23D6V/9W + 11DV3	16S18/23D6V/9W + 14DV3	16S18/23D6V/9W + 16DV37	11S18/23D6V/9W + 11DW1	16S18/23D6V/9W + 14DW1	16S18/23D6V/9W + 16DW17
Heating capacity			Nom.	kW	10.6	12.0	16.0	10.6	12.0	16.0
Power input			Heating	kW	2.18	2.46	3.53	2.18	2.46	3.53
Space heating	Average climate water outlet 55°C	General	SCOP		3.23	3.22	3.32	3.23	3.22	3.32
			ηs (Seasonal space heating efficiency)	%	126		130	126		130
			Seasonal space heating eff. class				A+++			
			Prated at -10°C	kW	10	11	12	10	11	12
	Average climate water outlet 35°C	General	SCOP		4.63	4.60	4.61	4.63	4.60	4.61
			ηs (Seasonal space heating efficiency)	%	182	181		182	181	
			Seasonal space heating eff. class				A+++			
			Prated at -10°C	kW	10	11	12	10	11	12
Domestic hot water heating	General	Declared load profile			L					
	Average climate	COPdhw			2.73/2.63					
		ηwh (water heating efficiency)		%	116/109					
		Water heating energy efficiency class			A+/A					

Indoor Unit				EBVH	11S18/23D6V/9W	16S18/23D6V/9W	16S18/23D6V/9W	11S18/23D6V/9W	16S18/23D6V/9W	16S18/23D6V/9W
Casing	Colour				White + Black					
	Material				Precoated sheet metal					
Dimensions	Unit	HeightxWidthxDepth		mm	1,655x595x634/1,855x595x634					
Weight	Unit			kg	124/133					
Tank	Water volume			l	180/230					
	Maximum water temperature			°C	70.0					
	Maximum water pressure			bar	10					
	Corrosion protection				Pickling					
Operation range	Indoor installation	Ambient	Min.~Max.	°CDB	-25~35					
	Heating	Water side	Min.~Max.	°CDB	18~60					
	Domestic hot water	Water side	Min.~Max.	°CDB	10~60					
Sound power level	Nom.			dBA	44.0					
Sound pressure level	Nom.			dBA	30.0					

Outdoor Unit				ERLA	11DV3	14DV3	16DV37	11DW1	14DW1	16DW17
Dimensions	Unit	HeightxWidthxDepth		mm	870x1,100x460					
Weight	Unit			kg	101					
Compressor	Quantity				1					
	Type				Hermetically sealed swing inverter compressor					
Operation range	Heating		Min.~Max.	°CDB	-25.0~35					
	Cooling		Min.~Max.	°CDB	10~43					
	Domestic hot water		Min.~Max.	°CDB	-25~35					
Refrigerant	Type				R-32					
	GWP				675.0					
	Charge			kg	3.80					
	Charge			tCO2Eq	2.57					
	Control				Electronic expansion valve					
Sound power level	Heating		Nom.	dBA	62.0 (1)					
Sound pressure level	Heating		Nom.	dBA	48.0 (1)					
Power supply	Name/Phase/Frequency/Voltage			Hz/V	V3/1~/50/230			W1/3~/50/400		
Current	Recommended fuses			A	32			16		

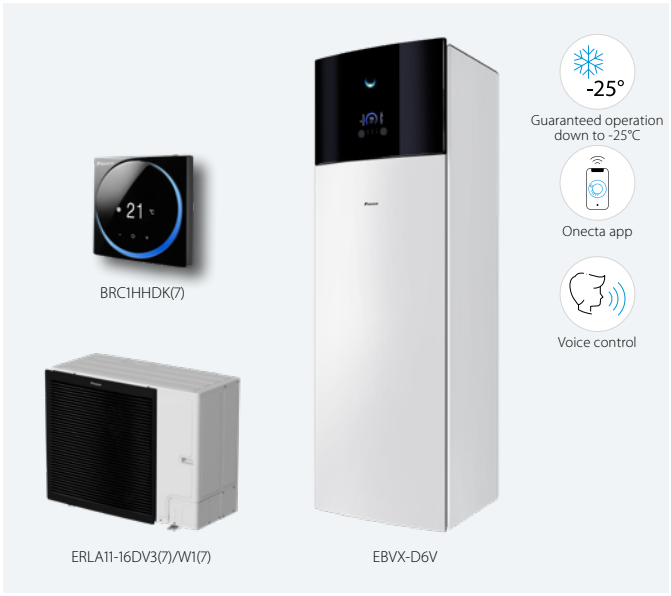
(1)Measured with a pressure drop of 10 kPa in the heating system at an operating condition of leaving water 47-55°C in a room with an ambient of 20°C. DB/WB 7°C/6°. | (2)For more details, see operation range drawing | Condition: Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C) | Condition: Ta DB/WB 7°C/6°C - LWC 45°C (Dt=5°C) | 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) | 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) | Operation area is extended to lower flow rates depending on operation mode - refer to ESP curve. | Based on a dT of 45 K | Including piping + PHE + back-up heater; excluding expansion vessel | 4 pole 20 A curve 400V tripping class C (refer to wiring diagram) | Cooling: EW 12°C; LW 7°C; ambient conditions: 35°CDB | Cooling: EW 23°C; LW 18°C; ambient conditions: 35°CDB | According to EN14825

DAIKIN altherma

Daikin Altherma 3 R F

Floor standing air to water heat pump for heating, cooling and hot water

- Small installation footprint, similar to other household appliances
- A combined stainless steel domestic hot water tank of 180 or 230L and heat pump for easy installation
- PCB board and hydraulic components are located in the front for easy access
- W-LAN module and cartridge compatible
- Integrated back-up heater choice of 6, 9 kW as well as back-up heater less models are available



up to A+++ ↑ D | A* ↑ F | 60 °C | R-32

011-1W0495
011-1W0496
011-1W0497
011-1W0498
011-1W0499
011-1W0500

EBVX-D6V | EBVX-D9W | ERLA11-14DV3 | ERLA11-14DW1 | ERLA-DV37 | ERLA-DW17

Efficiency data					EBVX + ERLA	11S18/23D6V/9W + 11DV3	16S18/23D6V/9W + 14DV3	16S18/23D6V/9W + 16DV37	11S18/23D6V/9W + 11DW1	16S18/23D6V/9W + 14DW1	16S18/23D6V/9W + 16DW17
Heating capacity			Nom.	kW		10.6	12.0	16.0	10.6	12.0	16.0
Power input			Heating	kW		2.18	2.46	3.53	2.18	2.46	3.53
Space heating	Average climate water outlet 55°C	General	SCOP			3.27	3.26	3.35	3.27	3.26	3.35
			ηs (Seasonal space heating efficiency)	%		128		131	128		131
			Seasonal space heating eff. class					A++			
			Prated at -10°C	kW		10	11	12	10	11	12
	Average climate water outlet 35°C	General	SCOP			4.72	4.68		4.72	4.68	
			ηs (Seasonal space heating efficiency)	%		186	184		186	184	
			Seasonal space heating eff. class					A+++			
			Prated at -10°C	kW		10	11	12	10	11	12
Domestic hot water heating	General		Declared load profile					L			
	Average climate		COPdhw					2.73/2.63			
			ηwh (water heating efficiency)	%				116/109			
			Water heating energy efficiency class					A+ / A			

Indoor Unit					EBVX	11S18/23D6V/9W	16S18/23D6V/9W	16S18/23D6V/9W	11S18/23D6V/9W	16S18/23D6V/9W	16S18/23D6V/9W
Casing	Colour					White + Black					
	Material					Precoated sheet metal					
Dimensions	Unit	HeightxWidthxDepth		mm		1,655x595x634/1,855x595x634					
Weight	Unit			kg		124/133					
Tank	Water volume			l		180/230					
	Maximum water temperature			°C		70.0					
	Maximum water pressure			bar		10					
	Corrosion protection					Pickling					
Operation range	Indoor installation	Ambient	Min.~Max.	°CDB		-25~35					
	Heating	Water side	Min.~Max.	°CDB		15~65					
	Domestic hot water	Water side	Min.~Max.	°CDB		10~60					
Sound power level	Nom.			dBA		44.0					
Sound pressure level	Nom.			dBA		30.0					

Outdoor Unit				ERLA	11DV3	14DV3	16DV37	11DW1	14DW1	16DW17
Dimensions	Unit	HeightxWidthxDepth	mm		870x1,100x460					
Weight	Unit		kg		101					
Compressor	Quantity				1					
	Type				Hermetically sealed swing inverter compressor					
Operation range	Heating	Min.~Max.	°CDB		-25.0~35					
	Cooling	Min.~Max.	°CDB		10~43					
	Domestic hot water	Min.~Max.	°CDB		-25~35					
Refrigerant	Type				R-32					
	GWP				675.0					
	Charge		kg		3.80					
	Charge		tCO2Eq		2.57					
	Control				Electronic expansion valve					
Sound power level	Heating	Nom.	dBA		62.0 (1)					
Sound pressure level	Heating	Nom.	dBA		48.0 (1)					
Power supply	Name/Phase/Frequency/Voltage		Hz/V		V3/1~/50/230			W1/3~/50/400		
Current	Recommended fuses		A		32			16		

(1)Measured with a pressure drop of 10 kPa in the heating system at an operating condition of leaving water 47-55°C in a room with an ambient of 20°C. DB/WB 7°C/6°. | (2)For more details, see operation range drawing | Condition: Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C) | Condition: Ta DB/WB 7°C/6°C - LWC 45°C (Dt=5°C) | Cooling: EW 12°C; LW 7°C; ambient conditions: 35°CDB | Cooling: EW 23°C; LW 18°C; ambient conditions: 35°CDB | According to EN14825 | 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) | 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) | Operation area is extended to lower flow rates depending on operation mode - refer to ESP curve. | Based on a dT of 45 K | Including piping + PHE + back-up heater; excluding expansion vessel | 4 pole 20 A curve 400V tripping class C (refer to wiring diagram)

Daikin Altherma 3 R F

Floor standing unit integrated with different temperature zones management

- Small installation footprint, similar to other household appliances
- A combined stainless steel domestic hot water tank of 180 or 230L and heat pump for easy installation
- PCB board and hydraulic components are located in the front for easy access
- W-LAN module and cartridge compatible
- Bi-zone allows temperature monitoring for 2 zones. Connect underfloor heating to radiators to optimise efficiency



up to A+++ D | A+ F | 60 °C | R-32

011-1W0495
011-1W0496
011-1W0497
011-1W0498
011-1W0499
011-1W0500

EBVZ-D6V | EBVZ-D9W | ERLA11-14DV3 | ERLA11-14DW1 | ERLA-DV37 | ERLA-DW17

Efficiency data				EBVZ + ERLA	16S18/23D6V/9W + 11DV3	16S18/23D6V/9W + 14DV3	16S18/23D6V/9W + 16DV37	16S18/23D6V/9W + 11DW1	16S18/23D6V/9W + 14DW1	16S18/23D6V/9W + 16DW17
Heating capacity			Nom.	kW	10.6	12.0	16.0	10.6	12.0	16.0
Power input			Heating	kW	2.19	2.46	3.53	2.19	2.46	3.53
Space heating	Average climate water outlet 55°C	General	SCOP		3.23	3.22	3.32	3.23	3.22	3.32
			ηs (Seasonal space heating efficiency)	%	131	126	130	131	126	130
			Seasonal space heating eff. class				A			
			Prated at -10°C	kW	10	11	12	10	11	12
	Average climate water outlet 35°C	General	SCOP		4.61	4.60	4.61		4.60	4.61
			ηs (Seasonal space heating efficiency)	%	182	181		182	181	
			Seasonal space heating eff. class				A			
			Prated at -10°C	kW	10	11	12	10	11	12
Domestic hot water heating	General	Declared load profile			L/XL					
	Average climate	COPdhw			2.73/2.63					
		ηwh (water heating efficiency)		%	116/109					
		Water heating energy efficiency class			A / A					

Indoor Unit				EBVZ	16S18/23D6V/9W	16S18/23D6V/9W	16S18/23D6V/9W	16S18/23D6V/9W	16S18/23D6V/9W	16S18/23D6V/9W
Casing	Colour				White + Black					
	Material				Precoated sheet metal					
Dimensions	Unit	HeightxWidthxDepth		mm	1,655x595x634/1,855x595x634					
Weight	Unit			kg	137/145					
Tank	Water volume			l	180/230					
	Maximum water temperature			°C	70.0					
	Maximum water pressure			bar	10					
	Corrosion protection				Pickling					
Operation range	Indoor installation	Ambient	Min.~Max.	°CDB	-25~35					
	Heating	Water side	Min.~Max.	°CDB	18~60					
	Domestic hot water	Water side	Min.~Max.	°CDB	10~60					
Sound power level	Nom.			dBA	44.0					
Sound pressure level	Nom.			dBA	30.0					

Outdoor Unit				ERLA	11DV3	14DV3	16DV37	11DW1	14DW1	16DW17
Dimensions	Unit	HeightxWidthxDepth		mm	870x1,100x460					
Weight	Unit			kg	101					
Compressor	Quantity				1					
	Type				Hermetically sealed swing inverter compressor					
Operation range	Heating		Min.~Max.	°CDB	-25.0~35					
	Cooling		Min.~Max.	°CDB	10~43					
	Domestic hot water		Min.~Max.	°CDB	-25~35					
Refrigerant	Type				R-32					
	GWP				675.0					
	Charge			kg	3.80					
	Charge			tCO2Eq	2.57					
	Control				Electronic expansion valve					
Sound power level	Heating		Nom.	dBA	62.0 (1)					
Sound pressure level	Heating		Nom.	dBA	48.0 (1)					
Power supply	Name/Phase/Frequency/Voltage			Hz/V	V3/1~/50/230			W1/3~/50/400		
Current	Recommended fuses			A	32			16		

(1)Measured with a pressure drop of 10 kPa in the heating system at an operating condition of leaving water 47-55°C in a room with an ambient of 20°C. DB/WB 7°C/6°. | (2)For more details, see operation range drawing | Condition: Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C) | Condition: Ta DB/WB 7°C/6°C - LWC 45°C (Dt=5°C) | Operation area is extended to lower flow rates depending on operation mode - refer to ESP curve. | Based on a dT of 45 K | Including piping + PHE + back-up heater; excluding expansion vessel | 4 pole 20 A curve 400V tripping class C (refer to wiring diagram)

Daikin Altherma 3 R ECH$_2$O

Floor standing air to water heat pump for heating and hot water with thermal solar support

- Maximum use of renewable energy: uses heat pump technology for heating and solar support for space heating and domestic hot water production
- Maintenance-free tank: no corrosion, anode, scale or lime deposits, and no loss of water through safety valve
- Fresh water principle: hygienic water, with no need for thermal legionella disinfection
- W-LAN module and cartridge compatible



up to A+++ A+++ ↑ D | A+ A+ ↑ F | 60 °C | R-32

011-1W0493
011-1W0494

EBSH-D | ERLA11-14DV3 | ERLA11-14DW1 | ERLA-DV37 | ERLA-DW17

Efficiency data				EBSH + ERLA	11P30/50D + 11DV3	16P30/50D + 14DV3	16P30/50D + 16DV37	11P30/50D + 11DW1	16P30/50D + 14DW1	16P30/50D + 16DW17
Heating capacity			Nom.	kW	10.6	12.0	16.0	10.6	12.0	16.0
Power input			Heating	kW	2.19	2.46	3.53	2.19	2.46	3.53
Space heating	Average climate water outlet 55°C	General	SCOP		3.23	3.22	3.32	3.23	3.22	3.32
			ηs (Seasonal space heating efficiency)	%	126		130	126		130
			Seasonal space heating eff. class				A+			
			Prated at -10°C	kW	10	11	12	10	11	12
	Average climate water outlet 35°C	General	SCOP		4.63	4.60	4.61	4.63	4.60	4.61
			ηs (Seasonal space heating efficiency)	%	182	181		182	181	
			Seasonal space heating eff. class				A+			
			Prated at -10°C	kW	10	11	12	10	11	12
Domestic hot water heating	General	Declared load profile			L/XL					
	Average climate	COPdhw			2.73/3.05			2.75/3.10		
		ηwh (water heating efficiency)		%	115/126			116/128		
		Water heating energy efficiency class					A+			

Indoor Unit				EBSH	11P30/50D	16P30/50D	16P30/50D	11P30/50D	16P30/50D	16P30/50D
Casing	Colour				Traffic white (RAL9016)/Traffic black (RAL9017)					
	Material				Impact resistant polypropylene					
Dimensions	Unit	HeightxWidthxDepth		mm	1,893x594x680/1,910x792x817					
Weight	Unit			kg	93/114					
Tank	Water volume			l	294/477					
	Maximum water temperature			°C	85.0					
Operation range	Indoor installation	Ambient	Min.~Max.	°CDB	5~35					
	Heating	Water side	Min.~Max.	°C	18~60					
	Domestic hot water	Water side	Min.~Max.	°CDB	10~60					
Sound power level	Nom.			dBA	44.7	49.0		44.7	49.0	
Sound pressure level	Nom.			dBA	36.8	40.3		36.8	40.3	

Outdoor Unit				ERLA	11DV3	14DV3	16DV37	11DW1	14DW1	16DW17
Dimensions	Unit	HeightxWidthxDepth		mm	870x1,100x460					
Weight	Unit			kg	101					
Compressor	Quantity				1					
	Type				Hermetically sealed swing inverter compressor					
Operation range	Heating		Min.~Max.	°CDB	-25~35					
	Cooling		Min.~Max.	°CDB	10~43					
	Domestic hot water		Min.~Max.	°CDB	-25~35					
Refrigerant	Type				R-32					
	GWP				675.0					
	Charge			kg	3.80					
	Charge			tCO2Eq	2.57					
	Control				Electronic expansion valve					
Sound power level	Heating		Nom.	dBA	62.0 (3)					
Sound pressure level	Heating		Nom.	dBA	48.0 (3)					
Power supply	Name/Phase/Frequency/Voltage			Hz/V	V3/1~/50/230			W1/3~/50/400		
Current	Recommended fuses			A	32			16		

(1)Refer to drawing operation limits | (2)For more details, see operation range drawing | (3)Measured with a pressure drop of 10 kPa in the heating system at an operating condition of leaving water 47-55°C in a room with an ambient of 20°C. DB/WB 7°C/6°. | 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) | Heatloss according to EN12897

DAIKIN altherma

Daikin Altherma 3 R ECH$_2$O

Floor standing air to water heat pump for bivalent heating and hot water with thermal solar support

- Maximum use of renewable energy: uses heat pump technology for heating and solar support for space heating and domestic hot water production
- Maintenance-free tank: no corrosion, anode, scale or lime deposits, and no loss of water through safety valve
- Fresh water principle: hygienic water, with no need for thermal legionella disinfection
- W-LAN module and cartridge compatible



up to A+++ A+++ ↑ D | A* A* ↑ F | 60 °C | R-32

011-1W0493
011-1W0494

EBSHB-D | ERLA11-14DV3 | ERLA11-14DW1 | ERLA-DV37 | ERLA-DW17

Efficiency data					EBSHB + ERLA	11P30/50D + 11DV3	16P30/50D + 14DV3	16P30/50D + 16DV37	11P30/50D + 11DW1	16P30/50D + 14DW1	16P30/50D + 16DW17
Heating capacity			Nom.	kW		10.6	12.0	16.0	10.6	12.0	16.0
Power input			Heating	kW		2.19	2.46	3.53	2.19	2.46	3.53
Space heating	Average climate water outlet 55°C	General	SCOP			3.23	3.22	3.32	3.23	3.22	3.32
			ηs (Seasonal space heating efficiency)	%		126		130	126		130
			Seasonal space heating eff. class					A+++			
			Prated at -10°C	kW		10	11	12	10	11	12
	Average climate water outlet 35°C	General	SCOP			4.63	4.60	4.61	4.63	4.60	4.61
			ηs (Seasonal space heating efficiency)	%		182	181		182	181	
			Seasonal space heating eff. class					A+++			
			Prated at -10°C	kW		10	11	12	10	11	12
Domestic hot water heating	General	Declared load profile				L/XL					
	Average climate	COPdhw				2.73/3.05			2.75/3.10		
		ηwh (water heating efficiency)		%		115/126			116/128		
		Water heating energy efficiency class						A+			

Indoor Unit					EBSHB	11P30/50D	16P30/50D	16P30/50D	11P30/50D	16P30/50D	16P30/50D
Casing	Colour					Traffic white (RAL9016)/Traffic black (RAL9017)					
	Material					Impact resistant polypropylene					
Dimensions	Unit	HeightxWidthxDepth		mm		1,893x594x680/1,910x792x817					
Weight	Unit			kg		94/117					
Tank	Water volume			l		294/477					
	Maximum water temperature			°C		85.0					
Operation range	Indoor installation	Ambient	Min.~Max.	°CDB		5~35					
	Heating	Water side	Min.~Max.	°C		18~60					
	Domestic hot water	Water side	Min.~Max.	°CDB		10~60					
Sound power level	Nom.			dBA		44.7	49.0		44.7	49.0	
Sound pressure level	Nom.			dBA		36.8	40.3		36.8	40.3	

Outdoor Unit				ERLA	11DV3	14DV3	16DV37	11DW1	14DW1	16DW17
Dimensions	Unit	HeightxWidthxDepth	mm		870x1,100x460					
Weight	Unit		kg		101					
Compressor	Quantity				1					
	Type				Hermetically sealed swing inverter compressor					
Operation range	Heating		°CDB		-25~35					
	Cooling	Min.~Max.	°CDB		10~43					
	Domestic hot water	Min.~Max.	°CDB		-25~35					
Refrigerant	Type				R-32					
	GWP				675.0					
	Charge		kg		3.80					
	Charge		tCO2Eq		2.57					
	Control				Electronic expansion valve					
Sound power level	Heating	Nom.	dBA		62.0 (3)					
Sound pressure level	Heating	Nom.	dBA		48.0 (3)					
Power supply	Name/Phase/Frequency/Voltage		Hz/V		V3/1~/50/230			W1/3~/50/400		
Current	Recommended fuses		A		32			16		

(1)Refer to drawing operation limits | (2)For more details, see operation range drawing | (3)Measured with a pressure drop of 10 kPa in the heating system at an operating condition of leaving water 47-55°C in a room with an ambient of 20°C. DB/WB 7°C/6°. | 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) | Heatloss according to EN12897

Daikin Altherma 3 R ECH$_2$O

Floor standing air to water heat pump for heating, cooling and hot water with thermal solar support

- Maximum use of renewable energy: uses heat pump technology for heating and solar support for space heating and domestic hot water production
- Maintenance-free tank: no corrosion, anode, scale or lime deposits, and no loss of water through safety valve
- Fresh water principle: hygienic water, with no need for thermal legionella disinfection
- W-LAN module and cartridge compatible
- Wired remote control for pump station EKSRDS1A, connectable to pressurised solar system



up to A+++ A+++ ↑ D | A+ A+ ↑ F | 60 °C | R-32

011-1W0493
011-1W0494

EBSX-D | ERLA11-14DV3 | ERLA11-14DW1 | ERLA-DV37 | ERLA-DW17

Efficiency data				EBSX + ERLA	11P30/50D + 11DV3	16P30/50D + 14DV3	16P30/50D + 16DV37	11P30/50D + 11DW1	16P30/50D + 14DW1	16P30/50D + 16DW17
Heating capacity			Nom.	kW	10.6	12.0	16.0	10.6	12.0	16.0
Power input			Heating	kW	2.19	2.46	3.53	2.19	2.46	3.53
Space heating	Average climate water outlet 55°C	General	SCOP		3.27	3.26	3.35	3.27	3.26	3.35
			ηs (Seasonal space heating efficiency)	%	128		131	128		131
			Seasonal space heating eff. class				A+			
			Prated at -10°C	kW	10	11	12	10	11	12
	Average climate water outlet 35°C	General	SCOP		4.72	4.68		4.72	4.68	
			ηs (Seasonal space heating efficiency)	%	186	184		186	184	
			Seasonal space heating eff. class				A+			
			Prated at -10°C	kW	10	11	12	10	11	12
Domestic hot water heating	General	Declared load profile			L/XL					
	Average climate	COPdhw			2.73/3.05			2.75/3.10		
		ηwh (water heating efficiency)		%	115/126			116/128		
		Water heating energy efficiency class					A+			

Indoor Unit				EBSX	11P30/50D	16P30/50D	16P30/50D	11P30/50D	16P30/50D	16P30/50D
Casing	Colour				Traffic white (RAL9016)/Traffic black (RAL9017)					
	Material				Impact resistant polypropylene					
Dimensions	Unit	HeightxWidthxDepth		mm	1,893x594x680/1,910x792x817					
Weight	Unit			kg	93/114					
Tank	Water volume			l	294/477					
	Maximum water temperature			°C	85.0					
Operation range	Indoor installation	Ambient	Min.~Max.	°CDB	5~35					
	Heating	Water side	Min.~Max.	°C	18~60					
	Domestic hot water	Water side	Min.~Max.	°CDB	10~60					
Sound power level	Nom.			dBA	44.7	49.0		44.7	49.0	
Sound pressure level	Nom.			dBA	36.8	40.3		36.8	40.3	

Outdoor Unit				ERLA	11DV3	14DV3	16DV37	11DW1	14DW1	16DW17
Dimensions	Unit	HeightxWidthxDepth		mm	870x1,100x460					
Weight	Unit			kg	101					
Compressor	Quantity				1					
	Type				Hermetically sealed swing inverter compressor					
Operation range	Heating		Min.~Max.	°CDB	-25~35					
	Cooling		Min.~Max.	°CDB	10~43					
	Domestic hot water		Min.~Max.	°CDB	-25~35					
Refrigerant	Type				R-32					
	GWP				675.0					
	Charge			kg	3.80					
	Charge			tCO2Eq	2.57					
	Control				Electronic expansion valve					
Sound power level	Heating		Nom.	dBA	62.0 (3)					
Sound pressure level	Heating		Nom.	dBA	48.0 (3)					
Power supply	Name/Phase/Frequency/Voltage			Hz/V	V3/1~/50/230			W1/3~/50/400		
Current	Recommended fuses			A	32			16		

(1)Refer to drawing operation limits | (2)For more details, see operation range drawing | (3)Measured with a pressure drop of 10 kPa in the heating system at an operating condition of leaving water 47-55°C in a room with an ambient of 20°C. DB/WB 7°C/6°. | 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) | 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) | Heatloss according to EN12897

DAIKIN altherma

Daikin Altherma 3 R ECH$_2$O

Floor standing air to water heat pump for bivalent heating, cooling and hot water with thermal solar support

- Maximum use of renewable energy: uses heat pump technology for heating and solar support for space heating and domestic hot water production
- Maintenance-free tank: no corrosion, anode, scale or lime deposits, and no loss of water through safety valve
- Fresh water principle: hygienic water, with no need for thermal legionella disinfection
- W-LAN module and cartridge compatible
- Wired remote control for pump station EKSRDS1A, connectable to pressurised solar system





011-1W0493
011-1W0494

EBSXB-D | ERLA11-14DV3 | ERLA11-14DW1 | ERLA-DV37 | ERLA-DW17

Efficiency data				EBSXB + ERLA	11P30/50D + 11DV3	16P30/50D + 14DV3	16P30/50D + 16DV37	11P30/50D + 11DW1	16P30/50D + 14DW1	16P30/50D + 16DW17
Heating capacity			Nom.	kW	10.6	12.0	16.0	10.6	12.0	16.0
Power input			Heating	kW	2.19	2.46	3.53	2.19	2.46	3.53
Space heating	Average climate water outlet 55°C	General	SCOP		3.27	3.26	3.35	3.27	3.26	3.35
			ηs (Seasonal space heating efficiency)	%	128		131	128		131
			Seasonal space heating eff. class				A++			
			Prated at -10°C	kW	10	11	12	10	11	12
	Average climate water outlet 35°C	General	SCOP		4.72	4.68		4.72	4.68	
			ηs (Seasonal space heating efficiency)	%	186	184		186	184	
			Seasonal space heating eff. class				A+++			
			Prated at -10°C	kW	10	11	12	10	11	12
Domestic hot water heating	General	Declared load profile			L/XL					
	Average climate	COPdhw			2.73/3.05			2.75/3.10		
		ηwh (water heating efficiency)		%	115/126			116/128		
		Water heating energy efficiency class					A+			

Indoor Unit				EBSXB	11P30/50D	16P30/50D	16P30/50D	11P30/50D	16P30/50D	16P30/50D
Casing	Colour				Traffic white (RAL9016)/Traffic black (RAL9017)					
	Material				Impact resistant polypropylene					
Dimensions	Unit	HeightxWidthxDepth		mm	1,893x594x680/1,910x792x817					
Weight	Unit			kg	94/117					
Tank	Water volume			l	294/477					
	Maximum water temperature			°C	85.0					
Operation range	Indoor installation	Ambient	Min.~Max.	°CDB	5~35					
	Heating	Water side	Min.~Max.	°C	18~60					
	Domestic hot water	Water side	Min.~Max.	°CDB	10~60					
Sound power level	Nom.			dBA	44.7	49.0		44.7	49.0	
Sound pressure level	Nom.			dBA	36.8	40.3		36.8	40.3	

Outdoor Unit				ERLA	11DV3	14DV3	16DV37	11DW1	14DW1	16DW17
Dimensions	Unit	HeightxWidthxDepth		mm	870x1,100x460					
Weight	Unit			kg	101					
Compressor	Quantity				1					
	Type				Hermetically sealed swing inverter compressor					
Operation range	Heating		Min.~Max.	°CDB	-25~35					
	Cooling		Min.~Max.	°CDB	10~43					
	Domestic hot water		Min.~Max.	°CDB	-25~35					
Refrigerant	Type				R-32					
	GWP				675.0					
	Charge			kg	3.80					
	Charge			tCO2Eq	2.57					
	Control				Electronic expansion valve					
Sound power level	Heating		Nom.	dBA	62.0 (3)					
Sound pressure level	Heating		Nom.	dBA	48.0 (3)					
Power supply	Name/Phase/Frequency/Voltage			Hz/V	V3/1~/50/230			W1/3~/50/400		
Current	Recommended fuses			A	32			16		

(1)Refer to drawing operation limits | (2)For more details, see operation range drawing | (3)Measured with a pressure drop of 10 kPa in the heating system at an operating condition of leaving water 47-55°C in a room with an ambient of 20°C. DB/WB 7°C/6°. | 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) | 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) | Heatloss according to EN12897

Daikin Altherma 3 R W

Wall mounted heating only air to water heat pump ideal for low energy houses

- Compact dimensions allows for small installation space, as almost no side clearances are required.
- Combine with a stainless steel tank or ECH$_2$O thermal store.
- PCB board and hydraulic components are located in the front for easy access
- W-LAN module and cartridge compatible
- The unit's sleek design blends in with other household appliances.



up to A+++ A A+++ ↑ D

60 °C

R-32

011-1W0498
011-1W0499
011-1W0500

EBBH-D6V | EBBH-D9W | ERLA11-14DV3 | ERLA11-14DW1 | ERLA-DV37 | ERLA-DW17

Efficiency data			**EBBH + ERLA**		**11D6V/9W + 11DV3**	**16D6V/9W + 14DV3**	**16D6V/9W + 16DV37**	**11D6V/9W + 11DW1**	**16D6V/9W + 14DW1**	**16D6V/9W + 16DW17**
Heating capacity			Nom.	kW	10.6	12.0	16.0	10.6	12.0	16.0
Power input			Heating	kW	2.18	2.46	3.53	2.18	2.46	3.53
Space heating	Average climate water outlet 55°C	General	SCOP		3.23	3.22	3.32	3.23	3.22	3.32
			ηs (Seasonal space heating efficiency)	%	126		130	126		130
			Seasonal space heating eff. class							
			Prated at -10°C	kW	10	11	12	10	11	12
	Average climate water outlet 35°C	General	SCOP		4.63	4.60	4.61	4.63	4.60	4.61
			ηs (Seasonal space heating efficiency)	%	182	181		182	181	
			Seasonal space heating eff. class							
			Prated at -10°C	kW	10	11	12	10	11	12
Domestic hot water heating	General	Declared load profile			-					
	Average climate	COPdhw			-					
		ηwh (water heating efficiency)		%	-					
		Water heating energy efficiency class			-					

Indoor Unit				**EBBH**	**11D6V/9W**	**16D6V/9W**	**16D6V/9W**	**11D6V/9W**	**16D6V/9W**	**16D6V/9W**
Casing	Colour				White + Black					
	Material				Resin, sheet metal					
Dimensions	Unit	HeightxWidthxDepth		mm	840x440x390					
Weight	Unit			kg	52.5	54.5		52.5	54.5	
Operation range	Indoor installation	Ambient	Min.~Max.	°CDB	5~35					
	Heating	Water side	Min.~Max.	°C	18~60					
	Domestic hot water	Water side	Min.~Max.	°CDB	10~60					
Sound power level	Nom.			dBA	44 (1)					
Sound pressure level	Nom.			dBA	30 (2)					

Outdoor Unit				**ERLA**	**11DV3**	**14DV3**	**16DV37**	**11DW1**	**14DW1**	**16DW17**
Dimensions	Unit		HeightxWidthxDepth	mm	870x1,100x460					
Weight	Unit			kg	101					
Compressor	Quantity				1					
	Type				Hermetically sealed swing inverter compressor					
Operation range	Heating		Min.~Max.	°CDB	-25~35					
	Cooling		Min.~Max.	°CDB	10~43					
	Domestic hot water		Min.~Max.	°CDB	-25~35					
Refrigerant	Type				R-32					
	GWP				675.0					
	Charge			kg	3.80					
	Charge			tCO2Eq	2.57					
	Control				Electronic expansion valve					
Sound power level	Heating		Nom.	dBA	62.0 (1)					
Sound pressure level	Heating		Nom.	dBA	48.0 (1)					
Power supply	Name/Phase/Frequency/Voltage			Hz/V	V3/1~/50/230			W1/3~/50/400		
Current	Recommended fuses			A	32			16		

(1)Measured with a pressure drop of 10 kPa in the heating system at an operating condition of leaving water 47-55°C in a room with an ambient of 20°C. DB/WB 7°C/6°. | (2)Sound values are measured in a semi-anechoic room. Sound pressure level is a relative value, depending on the distance and acoustic environment. For more details, please refer to the sound level drawings. | (3)For more details, see operation range drawing | Condition: Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C) | Condition: Ta DB/WB 7°C/6°C - LWC 45°C (Dt=5°C) | 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) | 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) | Operation area is extended to lower flow rates depending on operation mode - refer to ESP curve. | Excluding the water volume in the unit. This volume will guarantee suficient defrost energy for all applications, however, this volume can be multiplied by 0.66 if the heating sepoint is ≥ 45° C (eg. Fan coils) | 4 pole 20 A curve 400V tripping class C (refer to wiring diagram)

DAIKIN altherma

Daikin Altherma 3 R W

Wall mounted reversible air to water heat pump ideal for low energy houses

- Compact dimensions allows for small installation space, as almost no side clearances are required.
- Combine with a stainless steel tank or ECH$_2$O thermal store.
- PCB board and hydraulic components are located in the front for easy access
- W-LAN module and cartridge compatible
- The unit's sleek design blends in with other household appliances.



up to A+++ A A+++ to D

60 °C

R-32

011-1W0498
011-1W0499
011-1W0500

EBBX-D6V | EBBX-D9W | ERLA11-14DV3 | ERLA11-14DW1 | ERLA-DV37 | ERLA-DW17

Efficiency data			**EBBX + ERLA**	**11D6V/9W + 11DV3**	**16D6V/9W + 14DV3**	**16D6V/9W + 16DV37**	**11D6V/9W + 11DW1**	**16D6V/9W + 14DW1**	**16D6V/9W + 16DW17**
Heating capacity		Nom.	kW	10.6	12.0	16.0	10.6	12.0	16.0
Power input		Heating	kW	2.18	2.46	3.53	2.18	2.46	3.53
Space heating	Average climate water outlet 55°C General	SCOP		3.27	3.26	3.35	3.27	3.26	3.35
		ηs (Seasonal space heating efficiency)	%	128		131	128		131
		Seasonal space heating eff. class				A++			
		Prated at -10°C	kW	10	11	12	10	11	12
	Average climate water outlet 35°C General	SCOP		4.72	4.68		4.72	4.68	
		ηs (Seasonal space heating efficiency)	%	186	184		186	184	
		Seasonal space heating eff. class				A+			
		Prated at -10°C	kW	10	11	12	10	11	12
Domestic hot water heating	General	Declared load profile		-					
	Average climate	COPdhw		-					
		ηwh (water heating efficiency)	%	-					
		Water heating energy efficiency class		-					

Indoor Unit				**EBBX**	**11D6V/9W**	**16D6V/9W**	**16D6V/9W**	**11D6V/9W**	**16D6V/9W**	**16D6V/9W**
Casing	Colour				White + Black					
	Material				Resin, sheet metal					
Dimensions	Unit	HeightxWidthxDepth		mm	840x440x390					
Weight	Unit			kg	52.5	54.5		52.5	54.5	
Operation range	Indoor installation	Ambient	Min.~Max.	°CDB	5~35					
	Heating	Water side	Min.~Max.	°C	18~60					
	Domestic hot water	Water side	Min.~Max.	°CDB	10~60					
Sound power level	Nom.			dBA	44					
Sound pressure level	Nom.			dBA	30					

Outdoor Unit				**ERLA**	**11DV3**	**14DV3**	**16DV37**	**11DW1**	**14DW1**	**16DW17**
Dimensions	Unit	HeightxWidthxDepth		mm	870x1,100x460					
Weight	Unit			kg	101					
Compressor	Quantity				1					
	Type				Hermetically sealed swing inverter compressor					
Operation range	Heating		Min.~Max.	°CDB	-25~35					
	Cooling		Min.~Max.	°CDB	10~43					
	Domestic hot water		Min.~Max.	°CDB	-25~35					
Refrigerant	Type				R-32					
	GWP				675.0					
	Charge			kg	3.80					
	Charge			tCO2Eq	2.57					
	Control				Electronic expansion valve					
Sound power level	Heating		Nom.	dBA	62.0 (1)					
Sound pressure level	Heating		Nom.	dBA	48.0 (1)					
Power supply	Name/Phase/Frequency/Voltage			Hz/V	V3/1~/50/230			W1/3~/50/400		
Current	Recommended fuses			A	32			16		

(1)Measured with a pressure drop of 10 kPa in the heating system at an operating condition of leaving water 47-55°C in a room with an ambient of 20°C. DB/WB 7°C/6°. | (2)For more details, see operation range drawing | Condition: Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C) | Condition: Ta DB/WB 7°C/6°C - LWC 45°C (Dt=5°C) | Cooling: EW 12°C; LW 7°C; ambient conditions: 35°CDB | Cooling: EW 23°C; LW 18°C; ambient conditions: 35°CDB | According to EN14825 | 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) | 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) | Operation area is extended to lower flow rates depending on operation mode - refer to ESP curve. | Excluding the water volume in the unit. This volume will guarantee suficient defrost energy for all applications, however, this volume can be multiplied by 0.66 if the heating sepoint is ≥ 45° C (eg. Fan coils) | Sound values are measured in a semi-anechoic room. Sound pressure level is a relative value, depending on the distance and acoustic environment. For more details, please refer to the sound level drawings. | 4 pole 20 A curve 400V tripping class C (refer to wiring diagram)

Combination table and options

			Floor standing integrated stainless steel tank			
			H/O		Reversible	
			11 class	16 class	11 class	16 class
			EBVH11S18D6V	EBVH16S18D6V	EBVX11S18D6V	EBVX16S18D6V
			EBVH11S18D9W	EBVH16S18D9W	EBVX11S18D9W	EBVX16S18D9W
			EBVH11S23D6V	EBVH16S23D6V	EBVX11S23D6V	EBVX16S23D6V
			EBVH11S23D9W	EBVH16S23D9W	EBVX11S23D9W	EBVX16S23D9W
Type	**Description**	**Material name**				
Outdoor unit	11 kW	ERLA11DV3/W1	•		•	
	14 kW	ERLA14DV3/W1		•		•
	16 kW	ERLA16DV37/W17		•		•
Controls	Wireless room by room control	Daikin Home Controls (page 242)	•	•	•	•
	Madoka wired room thermostat	BRC1HHDK/S/W(7)	•	•	•	•
	Wireless room thermostat	EKRTRB	•	•	•	•
	Wired digital thermostat	EKRTWA	•	•	•	•
	LAN adapter	BRP069A62 (with MMI from v6.8.0)	•	•	•	•
	WLAN module	BRP069A71	•	•	•	•
	WLAN cartridge	BRP069A78	•	•	•	•
	Wired digital thermostat	EKWCTRDI1V3	•	•	•	•
	Wired analog thermostat	EKWCTRAN1V3	•	•	•	•
	Valve actuator	EKWCVATR1V3	•	•	•	•
	Wired underfloor heating base station	EKWUFHTA1V3	•	•	•	•
	Universal centralised controller	EKCC9-W, DCOM-LT/IO, LT/MB	•	•	•	•
Domestic hot water	Stainless steel tank	EKHWS(P)(U)150D3V3				
		EKHWS(P)(U)180D3V3				
		EKHWS(P)(U)200D3V3				
		EKHWS(P)(U)250D3V3				
		EKHWS(P)(U)300D3V3				
	Polypropylene tank	EKHWP300B				
		EKHWP500B				
		EKHWP300PB				
		EKHWP500PB				
	Third party tank kit	EKHY3PART				
		EKHY3PART2				
Sensors	External sensor for EKRTRB room thermostat	EKRTETS	•(5)	•(5)	•(5)	•(5)
	High voltage smart grid relay kit	EKRELSG	•	•	•	•
	Remote indoor temperature sensor	KRCS01-1	•(6)	•(6)	•(6)	•(6)
	Remote outdoor temperature sensor	EKRSCA1	•(6)	•(6)	•(6)	•(6)
Bizone kits	Generic Bizone kit (PCB only)	EKMIKPOA	•	•	•	•
	Generic Bizone kit	EKMIKPHA	•	•	•	•
Other options	Digital I/O PCB	EKRP1HBA	•(7)	•(7)	•(7)	•(7)
	Demand PCB	EKRP1AHT	•	•	•	•
	PC USB cable	EKPCCAB4	•	•	•	•
	Balancing valve	KBLNVALVE	•	•	•	•
	Decoupler	KDECOUP	•	•	•	•
	Conversion kit H/O to reversible for floor standing	EKHVCONV4	•	•		
	Conversion kit H/O to reversible for wall mounted	EKHBCONV				
ECH$_2$O options	Inline BUH - connection kit	EKECBUCO2AF				
	Inline BUH - 3kW, for *3V (1N~, 230 V, 3 kW)	EKECBUAF3V				
	Inline BUH - 6kW, for *6V (1N~, 230 V, 6 kW)	EKECBUAF6V				
	Inline BUH - 9kW, for *9 WN (3N~, 400 V, 9 kW)	EKECBUAF9W				
	Caleffi sludge and magnetite separator SAS1	156021				
	Biv Connector Kit	EKECBIVCO2AF				
	DB connector Kit	EKECDBCO2AF				
Home Hub	Daikin Home Hub	EKRHH	•	•	•	•
	Current sensor for single & three phase (power supply included)	EKCSS1P/3P	•	•	•	•
	Cable P1 to USB	EKP1USB	•	•	•	•

(1) Dedicated connection kit: EKEPRHLT3HX.
(2) Dedicated connection kit: ETBH: EKEPRHLT5H / ETBX: EKEPRHLT5X.
(3) EKHY3PART can be used if you have a tank in which you can insert the thermistor.
(4) EKHY3PART2 can be used if you have a tank in which you can't insert a thermistor.
(5) Can only be used in combination with the wireless room thermostat EKRTRB.
(6) Only one sensor can be connected: indoor or outdoor.
(7) Additional relays to allow bivalent control in combination with external room thermostat are field supply.
(8) Only 1 Backup heater can be connected on one unit: 3 or 6* or 9 kW (*No 6T1-model applicable). EKECBUCO1AF is needed to connect the backup heater to the main unit.

	Floor standing integrated ECH$_2$O				Wall mounted			
Bizone	Drain-back		Bivalent		H/O		Reversible	
16 class	11 class	16 class	11 class	16 class	11 class	16 class	11 class	16 class
EBVZ16S18D6V	EBSH11P30D	EBSH16P30D	EBSHB11P30D	EBSHB16P30D				
EBVZ16S18D9W	EBSH11P50D	EBSH11P50D	EBSHB11P50D	EBSHB16P50D				
EBVZ16S23D6V	EBSX11P30D	EBSX11P30D	EBSXB11P30D	EBSXB16P30D	EBBH11D6V	EBBH16D6V	EBBX11D6V	EBBX16D6V
EBVZ16S23D9W	EBSX11P50D	EBSX11P50D	EBSXB11P50D	EBSXB16P50D	EBBH11D9W	EBBH16D9W	EBBX11D9W	EBBX16D9W
•	•		•		•		•	
•		•		•		•		•
•		•		•		•		•
•	•	•	•	•	•	•	•	•
•	•	•	•	•	•	•	•	•
•	•	•	•	•	•	•	•	•
•	•	•	•	•	•	•	•	•
•	•	•	•	•	•	•	•	•
•	•	•	•	•	•	•	•	•
•	•	•	•	•	•	•	•	•
•	•	•	•	•	•	•	•	•
•	•	•	•	•	•	•	•	•
•	•	•	•	•	•	•	•	•
•	•	•	•	•	•	•	•	•
					•	•	•	•
					•	•	•	•
					•	•	•	•
					•	•	•	•
					•	•	•	•
					• (1)	• (1)	• (1)	• (1)
					• (2)	• (2)	• (2)	• (2)
					• (1)	• (1)	• (1)	• (1)
					• (2)	• (2)	• (2)	• (2)
					• (3)	• (3)	• (3)	• (3)
					• (4)	• (4)	• (4)	• (4)
• (5)	• (5)	• (5)	• (5)	• (5)	• (5)	• (5)	• (5)	• (5)
•	•	•	•	•	•	•	•	•
• (6)	• (6)	• (6)	• (6)	• (6)	• (6)	• (6)	• (6)	• (6)
• (6)	• (6)	• (6)	• (6)	• (6)	• (6)	• (6)	• (6)	• (6)
	•	•	•	•	•	•	•	•
	•	•	•	•	•	•	•	•
• (7)					• (7)	• (7)	• (7)	• (7)
•	•	•	•	•	•	•	•	•
•	•	•	•	•	•	•	•	•
•	•	•	•	•	•	•	•	•
•	•	•	•	•	•	•	•	•
•								
					•	•		
	•	•	•	•				
	• (8)	• (8)	• (8)	• (8)				
	• (8)	• (8)	• (8)	• (8)				
	• (8)	• (8)	• (8)	• (8)				
	•	•	•	•				
			•	•				
	•	•						
•	•	•	•	•	•	•	•	•
•	•	•	•	•	•	•	•	•
•	•	•	•	•	•	•	•	•

ΚΛΙΜΑΜΗΧΑΝΙΚΗ

Daikin Altherma 3 R

Refrigerant split air-to-water heat pump

Small capacities of 4-8 kW



Why choose **Daikin Altherma 3 R?**



Wall mounted model



Integrated ECH_2O DHW tank model



Integrated DHW stainless steel tank model

Ideal for small newly built or renovated houses

With capacities from 4 to 8 kW, the Daikin Altherma units are perfect for new buildings, low energy houses and renovations.

Easy to install

- Delivered ready to operate: all key hydraulic elements are factory mounted
- All servicing can be done from the front and all pipings can be accessed at the top of the unit
- Reduced installation time: the outdoor unit is tested and charged with refrigerant

Easy to control

- The combined effect of the Daikin Altherma weather dependent set-point controls and its inverter compressor ensures consistent room temperatures at all times.
- Control your system from anywhere at any time via the Onecta app. This online controller allows adjustment of home comfort levels to suit individual preferences while achieving further energy efficiencies. The R-32 Daikin Altherma 3 R range can also be fully integrated with other home control systems

High performance

- Leaving water temperature up to 65 °C at high efficiency
- Suitable for both underfloor heating and radiators
- Pedigree trademark in frost protection down to -25 °C, ensuring reliable operation even in the coldest climates

- The technology offers high performances:
  - Seasonal efficiency up to A+++
  - Heating efficiency up to a COP of 5.1 (at 7 °C/35 °C)
  - Domestic hot water efficiency up to COP of 3.3 (EN16147)
- Available in 4, 6 and 8 kW



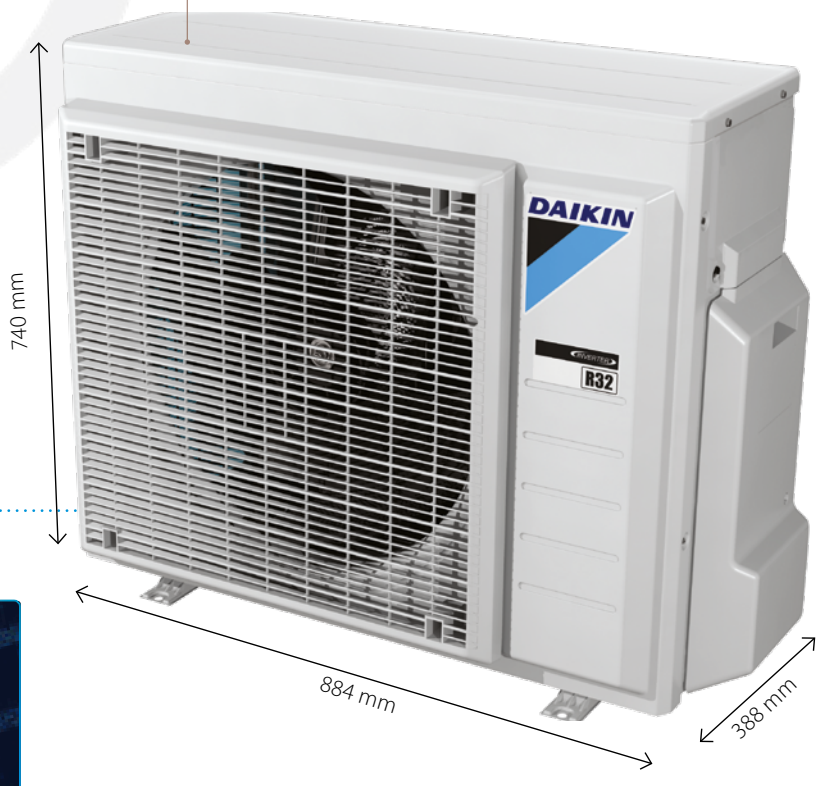


Daikin Altherma 3 R offers a wide range to adapt to your customers needs

- **Best seasonal efficiencies in its class** providing the highest savings on running costs
- Perfect fit for **new buildings,** as well as for low energy houses
- A leaving water temperature up to 65 °C makes it also **a suitable choice for refurbishments**

Compact outdoor unit

Compact and low-profile, the outdoor unit fits effortlessly on terraces, rooftops, or exterior walls, wherever space is tight.





Daikin Altherma 3 R F

Floor standing air to water heat pump for heating and hot water, ideal for low energy houses

- A combined stainless steel domestic hot water tank of 180 or 230L and heat pump for easy installation
- W-LAN Adapter connection
- PCB board and hydraulic components are located in the front for easy access
- Small installation footprint, similar to other household appliances
- Integrated back-up heater choice of 3, 6, 9 kW as well as back-up heater less models are available



up to A+++ A+++ → D | A+ A+ → F | 65 °C | R-32

011-1W0218 → 222
011-1W0245, 247
011-1W0249 → 251

EHVH-E6V | EHVH-E9W | ERGA04-08EV | ERGA-EVH | ERGA-EVH7

Efficiency data				EHVH + ERGA	04S18E6V/9W + 04EV	04S23E6V/9W + 04EV	08S18E6V/9W + 06EVH	08S23E6V/9W + 06EVH	08S18E6V/9W + 08EVH7	08S23E6V/9W + 08EVH7
Heating capacity			Nom.	kW	4.3		6.0		7.5	
Power input			Heating	kW	0.85		1.24		1.63	
Space heating	Average climate water outlet 55°C	General	SCOP		3.26				3.32	
			ηs (Seasonal space heating efficiency)	%	127				130	
			Seasonal space heating eff. class		A+					
			Prated at -10°C	kW	6.0		7.0		8.0	
	Average climate water outlet 35°C	General	SCOP		4.48		4.47		4.56	
			ηs (Seasonal space heating efficiency)	%	176				179	
			Seasonal space heating eff. class		A+					
			Prated at -10°C	kW	6.0		7.0		8.0	
Domestic hot water heating	General	Declared load profile			L	XL	L	XL	L	XL
	Average climate	COPdhw					-			
		ηwh (water heating efficiency)		%	125	133	125	133	125	133
		Water heating energy efficiency class			A+					

Indoor Unit				EHVH	04S18E6V/9W	04S23E6V/9W	08S18E6V/9W	08S23E6V/9W	08S18E6V/9W	08S23E6V/9W
Casing	Colour				White + Black					
	Material				Precoated sheet metal					
Dimensions	Unit	HeightxWidthxDepth		mm	1,650x595x625	1,850x595x625	1,650x595x625	1,850x595x625	1,650x595x625	1,850x595x625
Weight	Unit			kg	119	128	119	128	119	128
Tank	Water volume			l	180	230	180	230	180	230
	Maximum water temperature			°C	70					
	Maximum water pressure			bar	10					
	Corrosion protection				Pickling					
Operation range	Indoor installation	Ambient		°CDB	5~30					
	Heating	Water side	Min.~Max.	°C	5~65					
Sound power level	Nom.			dBA	42 (1)					
Sound pressure level	Nom.			dBA	28 (2)					

Outdoor Unit				ERGA	04EV	06EVH	08EVH7
Dimensions	Unit	HeightxWidthxDepth		mm	740x884x388		
Weight	Unit			kg	58.5		
Compressor	Quantity				1		
	Type				Hermetically sealed swing compressor		
Operation range	Heating		Min.~Max.	°CDB	-25~25		
	Cooling		Min.~Max.	°CDB	10~43		
	Domestic hot water		Min.~Max.	°CDB	-25~35		
Refrigerant	Type				R-32		
	GWP				675.0		
	Charge			kg	1.50		
	Charge			tCO2Eq	1.01		
	Control				Expansion valve		
Sound power level	Heating		Nom.	dBA	58 (4)	60 (4)	62 (4)
	Cooling		Nom.	dBA	61 (4)	62 (4)	
Sound pressure level	Heating		Nom.	dBA	44 (4)	47 (4)	49 (4)
	Cooling		Nom.	dBA	48 (4)	49 (4)	50 (4)
Power supply	Name/Phase/Frequency/Voltage			Hz/V	V3/1N~/50/230		
Current	Recommended fuses			A	20		25

(1)DB/WB 7°C/6°C - LWC 35°C (DT=5°C) | (2)Sound values are measured in a semi-anechoic room. Sound pressure level is a relative value, depending on the distance and acoustic environment. For more details, please refer to the sound level drawings. | (3)Refer to operation range of the unit. | (4)Cooling Ta 35°C - LWE 18°C (DT = 5°C); Heating Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C) | 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) | 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) | PED unit category: Art3§3: excluded from scope of PED due to article 1, item 3.6 of 97/23/EC | Operation area is extended to lower flow rates only in case the unit operates with heat pump only. (Not in startup, no BUH operation, no defrost operation). | Based on a dT of 45 K | Including piping + PHE + back-up heater; excluding expansion vessel | Excluding the water in the unit. This minimum water volume is sufficient for most applications. During critical processes extra water may be required. | Above mentioned power supply of the hydrobox is for the backup heater only. The switch box and the pump of the hydrobox are supplied via the outdoor unit. The optional domestic hot water tank has a separate power supply. | 4 pole 20 A curve 400V tripping class C (refer to wiring diagram) | 2 pole 20 A curve 400V tripping class C (refer to wiring diagram)

DAIKIN altherma

Daikin Altherma 3 R F

Floor standing air to water heat pump for heating, cooling and hot water; ideal for low energy houses

- A combined stainless steel domestic hot water tank of 180 or 230L and heat pump for easy installation
- W-LAN Adapter connection
- PCB board and hydraulic components are located in the front for easy access
- Small installation footprint, similar to other household appliances
- Integrated back-up heater choice of 3, 6, 9 kW as well as back-up heater less models are available



up to A+++ A+++ ↑ D | A+ A+ ↑ F | 65 °C | R-32

011-1W0218 → 222
011-1W0245, 247
011-1W0249 → 251

EHVX-E3V | EHVX-E6V | EHVX-E9W | ERGA04-08EV | ERGA-EVH | ERGA-EVH7

Efficiency data				EHVX + ERGA	04S18E3V + 04EV	04S18E6V/9W + 04EV	04S23E3V + 04EV	04S23E6V/9W + 04EV	04S18E6V/9W + 06EVH	08S23E6V/9W + 06EVH	08S18E6V/9W + 08EVH7	08S23E6V/9W + 08EVH7
Heating capacity			Nom.	kW	4.3				6.0		7.5	
Power input			Heating	kW	0.85				1.24		1.63	
Space heating	Average climate water outlet 55°C	General	SCOP		3.29				3.27	3.28	3.35	
			ηs (Seasonal space heating efficiency)	%	129				128		131	
			Seasonal space heating eff. class		A+++							
			Prated at -10°C	kW	6.0				7.0		8.0	
	Average climate water outlet 35°C	General	SCOP		4.54				4.52		4.61	
			ηs (Seasonal space heating efficiency)	%	179				178		181	
			Seasonal space heating eff. class		A+++							
			Prated at -10°C	kW	6.0				7.0		8.0	
Domestic hot water heating	General	Declared load profile			L		XL		L	XL	L	XL
	Average climate	COPdhw			-				-			
		ηwh (water heating efficiency)		%	127	125	134	133	125	133	125	133
		Water heating energy efficiency class			A+				A+			

Indoor Unit			EHVX	04S18E3V	04S18E6V/9W	04S23E3V	04S23E6V/9W	08S18E6V/9W	08S23E6V/9W	08S18E6V/9W	08S23E6V/9W
Casing	Colour			White + Black							
	Material			Precoated sheet metal							
Dimensions	Unit	HeightxWidthxDepth	mm	1,650x595x625		1,850x595x625		1,650x595x625	1,850x595x625	1,650x595x625	1,850x595x625
Weight	Unit		kg	119		128		119	128	119	128
Tank	Water volume		l	180		230		180	230	180	230
	Maximum water temperature		°C	70							
	Maximum water pressure		bar	10							
	Corrosion protection			Pickling							
Operation range	Indoor installation	Ambient	°CDB	5~30							
	Heating	Water side Min.~Max.	°C	5~65							
Sound power level	Nom.		dBA	42 (1)							
Sound pressure level	Nom.		dBA	28 (2)							

Outdoor Unit			ERGA	04EV	06EVH	08EVH7
Dimensions	Unit	HeightxWidthxDepth	mm	740x884x388		
Weight	Unit		kg	58.5		
Compressor	Quantity			1		
	Type			Hermetically sealed swing compressor		
Operation range	Heating	Min.~Max.	°CDB	-25~25		
	Cooling	Min.~Max.	°CDB	10~43		
	Domestic hot water	Min.~Max.	°CDB	-25~35		
Refrigerant	Type			R-32		
	GWP			675.0		
	Charge		kg	1.5		
	Charge		tCO2Eq	1.01		
	Control			Expansion valve		
Sound power level	Heating	Nom.	dBA	58 (4)	60 (4)	62 (4)
	Cooling	Nom.	dBA	61 (4)	62 (4)	
Sound pressure level	Heating	Nom.	dBA	44 (4)	47 (4)	49 (4)
	Cooling	Nom.	dBA	48 (4)	49 (4)	50 (4)
Power supply	Name/Phase/Frequency/Voltage		Hz/V	V3/1N~/50/230		
Current	Recommended fuses		A	20		25

(1)DB/WB 7°C/6°C - LWC 35°C (DT=5°C) | (2)Sound values are measured in a semi-anechoic room. Sound pressure level is a relative value, depending on the distance and acoustic environment. For more details, please refer to the sound level drawings. | (3)Refer to operation range of the unit. | (4)Cooling Ta 35°C - LWE 18°C (DT = 5°C); Heating Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C) | 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) | 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) | PED unit category: Art3§3: excluded from scope of PED due to article 1, item 3.6 of 97/23/EC | Operation area is extended to lower flow rates only in case the unit operates with heat pump only. (Not in startup, no BUH operation, no defrost operation). | Based on a dT of 45 K | Including piping + PHE + back-up heater; excluding expansion vessel | Excluding the water in the unit. This minimum water volume is sufficient for most applications. During critical processes extra water may be required. | Above mentioned power supply of the hydrobox is for the backup heater only. The switch box and the pump of the hydrobox are supplied via the outdoor unit. The optional domestic hot water tank has a separate power supply. | 2 pole 20 A curve 400V tripping class C (refer to wiring diagram) | 4 pole 20 A curve 400V tripping class C (refer to wiring diagram)

Daikin Altherma 3 R F

Floor standing unit integrated with different temperature zones management

- A combined stainless steel domestic hot water tank of 180 or 230L and heat pump for easy installation
- W-LAN Adapter connection
- PCB board and hydraulic components are located in the front for easy access
- Small installation footprint, similar to other household appliances
- Bi-zone allows temperature monitoring for 2 zones. Connect underfloor heating to radiators to optimise efficiency



011-1W0218 → 222

EHVZ-E6V EHVZ-E9W ERGA04-08EV ERGA-EVH ERGA-EVH7

up to A+++ A+++ ↑ D | A+ A+ ↑ F | 65 °C | R-32

Efficiency data				EHVZ + ERGA	04S18E6V/9W + 04EV	08S18E6V/9W + 06EVH	08S23E6V/9W + 06EVH	08S18E6V/9W + 08EVH7	08S23E6V/9W + 08EVH7
Heating capacity			Nom.	kW	4.36	6.0		7.5	
Power input			Heating	kW	0.83	1.24		1.63	
Space heating	Average climate water outlet 55°C	General	SCOP		3.26			3.32	
			ηs (Seasonal space heating efficiency)	%	127			130	
			Seasonal space heating eff. class		A+++			A++	
			Prated at -10°C	kW	6.0	7.0		8.0	
	Average climate water outlet 35°C	General	SCOP		4.48	4.47		4.56	
			ηs (Seasonal space heating efficiency)	%	176			179	
			Seasonal space heating eff. class		A+++			A++	
			Prated at -10°C	kW	6.0	7.0		8.0	
Domestic hot water heating	General	Declared load profile			L	XL		L	XL
	Average climate	COPdhw			-				
		ηwh (water heating efficiency)		%	125	133		125	133
		Water heating energy efficiency class			A				

Indoor Unit				EHVZ	04S18E6V/9W	08S18E6V/9W	08S23E6V/9W	08S18E6V/9W	08S23E6V/9W
Casing	Colour				White + Black				
	Material				Precoated sheet metal				
Dimensions	Unit	HeightxWidthxDepth		mm	1,650x595x625		1,850x595x625	1,650x595x625	1,850x595x625
Weight	Unit			kg	125		133	125	133
Tank	Water volume			l	180		230	180	230
	Maximum water temperature			°C	70				
	Maximum water pressure			bar	10				
	Corrosion protection				Pickling				
Operation range	Indoor installation	Ambient		°CDB	5~30				
	Heating	Water side	Min.~Max.	°C	5~65				
Sound power level	Nom.			dBA	42 (1)				
Sound pressure level	Nom.			dBA	28 (2)				

Outdoor Unit				ERGA	04EV	06EVH	06EVH	08EVH7	08EVH7
Dimensions	Unit	HeightxWidthxDepth		mm	740x884x388				
Weight	Unit			kg	58.5				
Compressor	Quantity				1				
	Type				Hermetically sealed swing compressor				
Operation range	Heating		Min.~Max.	°CDB	-25~25				
	Cooling		Min.~Max.	°CDB	10~43				
	Domestic hot water		Min.~Max.	°CDB	-25~35				
Refrigerant	Type				R-32				
	GWP				675.0				
	Charge			kg	1.50				
	Charge			tCO2Eq	1.01				
	Control				Expansion valve				
Sound power level	Heating		Nom.	dBA	58 (4)	60 (4)		62 (4)	
	Cooling		Nom.	dBA	61 (4)	62 (4)			
Sound pressure level	Heating		Nom.	dBA	44 (4)	47 (4)		49 (4)	
	Cooling		Nom.	dBA	48 (4)	49 (4)		50 (4)	
Power supply	Name/Phase/Frequency/Voltage			Hz/V	V3/1N~/50/230				
Current	Recommended fuses			A		20		25	

(1)DB/WB 7°C/6°C - LWC 35°C (DT=5°C) | (2)Sound values are measured in a semi-anechoic room. Sound pressure level is a relative value, depending on the distance and acoustic environment. For more details, please refer to the sound level drawings. | (3)Refer to operation range of the unit. | (4)Cooling Ta 35°C - LWE 18°C (DT = 5°C); Heating Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C) | 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) | 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) | PED unit category: Art3§3: excluded from scope of PED due to article 1, item 3.6 of 97/23/EC | Operation area is extended to lower flow rates only in case the unit operates with heat pump only. (Not in startup, no BUH operation, no defrost operation). | Based on a dT of 45 K | Including piping + PHE + back-up heater; excluding expansion vessel | Excluding the water in the unit. This minimum water volume is sufficient for most applications. During critical processes extra water may be required. | Above mentioned power supply of the hydrobox is for the backup heater only. The switch box and the pump of the hydrobox are supplied via the outdoor unit. The optional domestic hot water tank has a separate power supply. | 4 pole 20 A curve 400V tripping class C (refer to wiring diagram) | 2 pole 20 A curve 400V tripping class C (refer to wiring diagram)

DAIKIN altherma

Daikin Altherma 3 R ECH$_2$O

Floor standing air to water heat pump for heating and hot water with thermal solar support

- Integrated solar unit, offering top comfort in heating and hot water
- Maximum use of renewable energy: uses heat pump technology for heating and solar support for space heating and domestic hot water production
- Fresh water principle: hygienic water, with no need for thermal legionella disinfection
- Maintenance-free tank: no corrosion, anode, scale or lime deposits, and no loss of water through safety valve
- Solar support of domestic hot water with pressureless (drain-back) solar system
- Intelligent Heat Store management: continuous heating during defrost mode, and use of stored heat for space heating
- Heat loss is reduced to a minimum thanks to the high quality insulation
- App control possible for managing heating, hot water and cooling operation





011-1W0262
011-1W0264 → 267

EHSH-E ERGA04-08EV ERGA-EVH ERGA-EVH7

Efficiency data			EHSH + ERGA		04P30E + 04EV	08P30E + 06EVH	08P50E + 06EVH	08P30E + 08EVH7	08P50E + 08EVH7
Heating capacity			Nom.	kW	4.36	6.0		7.5	
Power input			Heating	kW	0.83	1.24		1.63	
Space heating	Average climate water outlet 55°C	General	SCOP			3.26		3.32	
			ηs (Seasonal space heating efficiency)	%		127		130	
			Seasonal space heating eff. class						
			Prated at -10°C	kW	6.0	7.0		8.0	
	Average climate water outlet 35°C	General	SCOP		4.88	4.47		4.56	
			ηs (Seasonal space heating efficiency)	%	192	176		179	
			Seasonal space heating eff. class						
			Prated at -10°C	kW	6.0	7.0		8.0	
Domestic hot water heating	General	Declared load profile			L	XL		L	XL
	Average climate	COPdhw			2.80	3.06		2.80	3.06
		ηwh (water heating efficiency)		%	118	125		118	125
		Water heating energy efficiency class							

Indoor Unit				EHSH	04P30E	08P30E	08P50E	08P30E	08P50E
Casing	Colour				Traffic white (RAL9016)/Traffic black (RAL9017)				
	Material				Impact resistant polypropylene				
Dimensions	Unit	HeightxWidthxDepth		mm	1,891x594x644		1,910x792x817	1,891x594x644	1,910x792x817
Weight	Unit			kg	77.0		97.0	77.0	97.0
Tank	Water volume			l	294		477	294	477
	Maximum water temperature			°C	85.0				
Operation range	Indoor installation	Ambient	Min.~Max.	°CDB	5~35				
	Heating	Water side	Min.~Max.	°C	5~65				
Sound power level	Nom.			dBA	39				

Outdoor Unit				ERGA	04EV	06EVH	08EVH7
Dimensions	Unit	HeightxWidthxDepth		mm	740x884x388		
Weight	Unit			kg	58.5		
Compressor	Quantity				1		
	Type				Hermetically sealed swing compressor		
Operation range	Heating		Min.~Max.	°CDB	-25~25		
	Cooling		Min.~Max.	°CDB	10~43		
	Domestic hot water		Min.~Max.	°CDB	-25~35		
Refrigerant	Type				R-32		
	GWP				675.0		
	Charge			kg	1.5		
	Charge			tCO2Eq	1.01		
	Control				Expansion valve		
Sound power level	Heating		Nom.	dBA	58 (1)	60 (1)	62 (1)
	Cooling		Nom.	dBA	61 (1)	62 (1)	
Sound pressure level	Heating		Nom.	dBA	44 (1)	47 (1)	49 (1)
	Cooling		Nom.	dBA	48 (1)	49 (1)	50 (1)
Power supply	Name/Phase/Frequency/Voltage			Hz/V	V3/1N~/50/230		
Current	Recommended fuses			A	20		25

(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) | 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) | 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) | Heatloss according to EN12897

DAIKIN altherma

Daikin Altherma 3 R ECH$_2$O

Floor standing air to water heat pump for bivalent heating and hot water with thermal solar support

- Integrated solar unit, offering top comfort in heating and hot water
- Maximum use of renewable energy: uses heat pump technology for heating and solar support for space heating and domestic hot water production
- Fresh water principle: hygienic water, with no need for thermal legionella disinfection
- Maintenance-free tank: no corrosion, anode, scale or lime deposits, and no loss of water through safety valve
- Bivalent system: combinable with a secondary heat source
- Intelligent Heat Store management: continuous heating during defrost mode, and use of stored heat for space heating
- Heat loss is reduced to a minimum thanks to the high quality insulation
- App control possible for managing heating and hot water operation





011-1W0262
011-1W0264 → 267

EHSHB-E | ERGA04-08EV | ERGA-EVH | ERGA-EVH7

Efficiency data			EHSHB + ERGA		04P30E + 04EV	08P30E + 06EVH	08P50E + 06EVH	08P30E + 08EVH7	08P50E + 08EVH7
Heating capacity			Nom.	kW	4.36	6.0		7.5	
Power input			Heating	kW	0.83	1.24		1.63	
Space heating	Average climate water outlet 55°C	General	SCOP		3.26			3.32	
			ηs (Seasonal space heating efficiency)	%	127			130	
			Seasonal space heating eff. class		A+				
			Prated at -10°C	kW	6.0	7.0		8.0	
	Average climate water outlet 35°C	General	SCOP		4.88	4.47		4.56	
			ηs (Seasonal space heating efficiency)	%	192	176		179	
			Seasonal space heating eff. class		A+				
			Prated at -10°C	kW	6.0	7.0		8.0	
Domestic hot water heating	General	Declared load profile			L	XL		L	XL
	Average climate	COPdhw			2.80	3.06		2.80	3.06
		ηwh (water heating efficiency)		%	118	125		118	125
		Water heating energy efficiency class			A				

Indoor Unit			EHSHB	04P30E	08P30E	08P50E	08P30E	08P50E
Casing	Colour			Traffic white (RAL9016)/Traffic black (RAL9017)				
	Material			Impact resistant polypropylene				
Dimensions	Unit	HeightxWidthxDepth	mm	1,891x594x644		1,910x792x817	1,891x594x644	1,910x792x817
Weight	Unit		kg	80.0		104	80.0	104
Tank	Water volume		l	294		477	294	477
	Maximum water temperature		°C	85.0				
Operation range	Indoor installation	Ambient Min.~Max.	°CDB	5~35				
	Heating	Water side Min.~Max.	°C	5~65				
Sound power level	Nom.		dBA	39				

Outdoor Unit			ERGA	04EV	06EVH	08EVH7
Dimensions	Unit	HeightxWidthxDepth	mm	740x884x388		
Weight	Unit		kg	58.5		
Compressor	Quantity			1		
	Type			Hermetically sealed swing compressor		
Operation range	Heating	Min.~Max.	°CDB	-25~25		
	Cooling	Min.~Max.	°CDB	10~43		
	Domestic hot water	Min.~Max.	°CDB	-25~35		
Refrigerant	Type			R-32		
	GWP			675.0		
	Charge		kg	1.5		
	Charge		tCO2Eq	1.01		
	Control			Expansion valve		
Sound power level	Heating	Nom.	dBA	58 (1)	60 (1)	62 (1)
	Cooling	Nom.	dBA	61 (1)	62 (1)	
Sound pressure level	Heating	Nom.	dBA	44 (1)	47 (1)	49 (1)
	Cooling	Nom.	dBA	48 (1)	49 (1)	50 (1)
Power supply	Name/Phase/Frequency/Voltage		Hz/V	V3/1N~/50/230		
Current	Recommended fuses		A	20		25

(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) | 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) | 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) | Heatloss according to EN12897

DAIKIN altherma

Daikin Altherma 3 R ECH$_2$O

Floor standing air to water heat pump for heating, cooling and hot water with thermal solar support

- Integrated solar unit, offering top comfort in heating, hot water and cooling
- Maximum use of renewable energy: uses heat pump technology for heating and solar support for space heating and domestic hot water production
- Fresh water principle: hygienic water, with no need for thermal legionella disinfection
- Maintenance-free tank: no corrosion, anode, scale or lime deposits, and no loss of water through safety valve
- Solar support of domestic hot water with pressureless (drain-back) solar system
- Intelligent Heat Store management: continuous heating during defrost mode, and use of stored heat for space heating
- Heat loss is reduced to a minimum thanks to the high quality insulation
- App control possible for managing heating, hot water and cooling operation





011-1W0262 →267

EHSX-E ERGA04-08EV ERGA-EVH ERGA-EVH7

Efficiency data				EHSX + ERGA	04P30E + 04EV	04P50E + 04EV	08P30E + 06EVH	08P50E + 06EVH	08P30E + 08EVH7	08P50E + 08EVH7
Heating capacity			Nom.	kW	4.36		6.0		7.5	
Power input			Heating	kW	0.83		1.24		1.63	
Space heating	Average climate water outlet 55°C	General	SCOP		3.29		3.28		3.35	
			ηs (Seasonal space heating efficiency)	%	129		128		131	
			Seasonal space heating eff. class		A+					
			Prated at -10°C	kW	6.0		7.0		8.0	
	Average climate water outlet 35°C	General	SCOP		4.96		4.52		4.61	
			ηs (Seasonal space heating efficiency)	%	195		178		181	
			Seasonal space heating eff. class		A+					
			Prated at -10°C	kW	6.0		7.0		8.0	
Domestic hot water heating	General	Declared load profile			L	XL	L	XL	L	XL
	Average climate	COPdhw			2.80	3.06	2.80	3.06	2.80	3.06
		ηwh (water heating efficiency)		%	118	125	118	125	118	125
		Water heating energy efficiency class			A					

Indoor Unit				EHSX	04P30E	04P50E	08P30E	08P50E	08P30E	08P50E
Casing	Colour				Traffic white (RAL9016)/Traffic black (RAL9017)					
	Material				Impact resistant polypropylene					
Dimensions	Unit	HeightxWidthxDepth		mm	1,891x594x644	1,910x792x817	1,891x594x644	1,910x792x817	1,891x594x644	1,910x792x817
Weight	Unit			kg	77.0	97.0	77.0	97.0	77.0	97.0
Tank	Water volume			l	294	477	294	477	294	477
	Maximum water temperature			°C	85.0					
Operation range	Indoor installation	Ambient	Min.~Max.	°CDB	5~35					
	Heating	Water side	Min.~Max.	°C	5~65					
Sound power level	Nom.			dBA	39					

Outdoor Unit				ERGA	04EV	06EVH	08EVH7
Dimensions	Unit	HeightxWidthxDepth		mm	740x884x388		
Weight	Unit			kg	58.5		
Compressor	Quantity				1		
	Type				Hermetically sealed swing compressor		
Operation range	Heating		Min.~Max.	°CDB	-25~25		
	Cooling		Min.~Max.	°CDB	10~43		
	Domestic hot water		Min.~Max.	°CDB	-25~35		
Refrigerant	Type				R-32		
	GWP				675.0		
	Charge			kg	1.5		
	Charge			tCO2Eq	1.01		
	Control				Expansion valve		
Sound power level	Heating		Nom.	dBA	58 (1)	60 (1)	62 (1)
	Cooling		Nom.	dBA	61 (1)	62 (1)	
Sound pressure level	Heating		Nom.	dBA	44 (1)	47 (1)	49 (1)
	Cooling		Nom.	dBA	48 (1)	49 (1)	50 (1)
Power supply	Name/Phase/Frequency/Voltage			Hz/V	V3/1N~/50/230		
Current	Recommended fuses			A	20		25

(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) | 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) | 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) | Heatloss according to EN12897

Daikin Altherma 3 R ECH$_2$O

Floor standing air to water heat pump for bivalent heating, cooling and hot water with thermal solar support

- Integrated solar unit, offering top comfort in heating, hot water and cooling
- Maximum use of renewable energy: uses heat pump technology for heating and solar support for space heating and domestic hot water production
- Fresh water principle: hygienic water, with no need for thermal legionella disinfection
- Maintenance-free tank: no corrosion, anode, scale or lime deposits, and no loss of water through safety valve
- Bivalent system: combinable with a secondary heat source
- Intelligent Heat Store management: continuous heating during defrost mode, and use of stored heat for space heating
- Heat loss is reduced to a minimum thanks to the high quality insulation
- App control possible for managing heating, hot water and cooling operation





011-1W0262 → 267

EHSXB-E ERGA04-08EV ERGA-EVH ERGA-EVH7

Efficiency data					EHSXB + ERGA	04P30E + 04EV	04P50E + 04EV7	08P30E + 06EVH	08P50E + 06EVH	08P30E + 08EVH7	08P50E + 08EVH7
Heating capacity			Nom.	kW		4.36		6.0		7.5	
Power input			Heating	kW		0.83		1.24		1.63	
Space heating	Average climate water outlet 55°C	General	SCOP			3.29		3.28		3.35	
			ηs (Seasonal space heating efficiency)	%		129		128		131	
			Seasonal space heating eff. class					A+			
			Prated at -10°C	kW		6.0		7.0		8.0	
	Average climate water outlet 35°C	General	SCOP			4.96		4.52		4.61	
			ηs (Seasonal space heating efficiency)	%		195		178		181	
			Seasonal space heating eff. class					A+			
			Prated at -10°C	kW		6.0		7.0		8.0	
Domestic hot water heating	General	Declared load profile			L	XL	L	XL	L	XL	
	Average climate	COPdhw			2.80	3.06	2.80	3.06	2.80	3.06	
		ηwh (water heating efficiency)		%	118	125	118	125	118	125	
		Water heating energy efficiency class						A			

Indoor Unit					EHSXB	04P30E	04P50E	08P30E	08P50E	08P30E	08P50E
Casing	Colour					Traffic white (RAL9016)/Traffic black (RAL9017)					
	Material					Impact resistant polypropylene					
Dimensions	Unit	HeightxWidthxDepth		mm		1,891x594x644	1,910x792x817	1,891x594x644	1,910x792x817	1,891x594x644	1,910x792x817
Weight	Unit			kg		80.0	104	80.0	104	80.0	104
Tank	Water volume			l		294	477	294	477	294	477
	Maximum water temperature			°C		85.0					
Operation range	Indoor installation	Ambient	Min.~Max.	°CDB		5~35					
	Heating	Water side	Min.~Max.	°C		5~65					
Sound power level	Nom.			dBA		39					

Outdoor Unit				ERGA	04EV	06EVH	08EVH7
Dimensions	Unit	HeightxWidthxDepth	mm		740x884x388		
Weight	Unit		kg		58.5		
Compressor	Quantity				1		
	Type				Hermetically sealed swing compressor		
Operation range	Heating	Min.~Max.	°CDB		-25~25		
	Cooling	Min.~Max.	°CDB		10~43		
	Domestic hot water	Min.~Max.	°CDB		-25~35		
Refrigerant	Type				R-32		
	GWP				675.0		
	Charge		kg		1.5		
	Charge		tCO2Eq		1.01		
	Control				Expansion valve		
Sound power level	Heating	Nom.	dBA		58 (1)	60 (1)	62 (1)
	Cooling	Nom.	dBA		61 (1)	62 (1)	
Sound pressure level	Heating	Nom.	dBA		44 (1)	47 (1)	49 (1)
	Cooling	Nom.	dBA		48 (1)	49 (1)	50 (1)
Power supply	Name/Phase/Frequency/Voltage		Hz/V		V3/1N~/50/230		
Current	Recommended fuses		A		20		25

(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) | 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) | 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) | Heatloss according to EN12897

DAIKIN

Daikin Altherma 3 R W

Wall mounted heating only air to water heat pump ideal for low energy houses

- W-LAN Adapter connection
- PCB board and hydraulic components are located in the front for easy access
- Compact dimensions allows for small installation space, as almost no side clearances are required.
- The unit's sleek design blends in with other household appliances.
- Combine with a stainless steel tank or ECH$_2$O thermal store.



up to A+++ A+++ ↑ D

65 °C

R-32

011-1W0218-219
011-1W0221
011-1W0246-247

EHBH-E6V | EHBH-E9W | ERGA04-08EV | ERGA-EVH | ERGA-EVH7

Efficiency data				EHBH + ERGA	04E6V + 04EV	08E6V + 06EVH	08E9W + 06EVH	08E6V + 08EVH7	08E9W + 08EVH7
Heating capacity			Nom.	kW	4.36	6.0		7.5	
Power input			Heating	kW	0.83	1.24		1.63	
Space heating	Average climate water outlet 55°C	General	SCOP			3.26		3.32	
			ηs (Seasonal space heating efficiency)	%		127		130	
			Seasonal space heating eff. class						
			Prated at -10°C	kW	6.0	7.0		8.0	
	Average climate water outlet 35°C	General	SCOP		4.88	4.47		4.56	
			ηs (Seasonal space heating efficiency)	%	192	176		179	
			Seasonal space heating eff. class						
			Prated at -10°C	kW	6.0	7.0		8.0	
Domestic hot water heating	General	Declared load profile				-			
	Average climate	COPdhw				-			
		ηwh (water heating efficiency)		%		-			
		Water heating energy efficiency class				-			

Indoor Unit				EHBH	04E6V	08E6V	08E9W	08E6V	08E9W
Casing	Colour						White + Black		
	Material						Resin, sheet metal		
Dimensions	Unit	HeightxWidthxDepth		mm			840x440x390		
Weight	Unit			kg		42.0	42.4	42.0	42.4
Operation range	Indoor installation	Ambient	Min.~Max.	°CDB			5~35		
	Heating	Water side	Min.~Max.	°C			5~65		
Sound power level	Nom.			dBA			42 (1)		
Sound pressure level	Nom.			dBA			28 (2)		

Outdoor Unit				ERGA	04EV	06EVH	08EVH7
Dimensions	Unit	HeightxWidthxDepth		mm		740x884x388	
Weight	Unit			kg		58.5	
Compressor	Quantity					1	
	Type					Hermetically sealed swing compressor	
Operation range	Heating		Min.~Max.	°CDB		-25~25	
	Cooling		Min.~Max.	°CDB		10~43	
	Domestic hot water		Min.~Max.	°CDB		-25~35	
Refrigerant	Type					R-32	
	GWP					675.0	
	Charge			kg		1.5	
	Charge			tCO2Eq		1.01	
	Control					Expansion valve	
Sound power level	Heating		Nom.	dBA	58 (4)	60 (4)	62 (4)
	Cooling		Nom.	dBA	61 (4)	62 (4)	
Sound pressure level	Heating		Nom.	dBA	44 (4)	47 (4)	49 (4)
	Cooling		Nom.	dBA	48 (4)	49 (4)	50 (4)
Power supply	Name/Phase/Frequency/Voltage			Hz/V		V3/1N~/50/230	
Current	Recommended fuses			A		20	25

(1)DB/WB 7°C/6°C - LWC 35°C (DT=5°C) | (2)Sound values are measured in a semi-anechoic room. Sound pressure level is a relative value, depending on the distance and acoustic environment. For more details, please refer to the sound level drawings. Sound power level is an absolute value that a so | (3)For more details, see operation range drawing | (4)Cooling Ta 35°C - LWE 18°C (DT = 5°C); Heating Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C) | 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) | 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) | PED unit category: Art3§3: excluded from scope of PED due to article 1, item 3.6 of 97/23/EC | Operation area is extended to lower flow rates only in case the unit operates with heat pump only. (Not in startup, no BUH operation, no defrost operation). | Excluding the water in the unit. This minimum water volume is sufficient for most applications. During critical processes extra water may be required. | Above mentioned power supply for control box is for booster heater only. The switchbox of the controller box is supplied via the outdoor unit. The optional domestic hot water tank has a separate power supply. | 4 pole 20 A curve 400V tripping class C (refer to wiring diagram) | Select diameter and type according to national and local regulations

DAIKIN altherma

Daikin Altherma 3 R W

Wall mounted reversible air to water heat pump ideal for low energy houses

- W-LAN Adapter connection
- PCB board and hydraulic components are located in the front for easy access
- Compact dimensions allows for small installation space, as almost no side clearances are required.
- The unit's sleek design blends in with other household appliances.
- Combine with a stainless steel tank or ECH$_2$O thermal store.



up to A+++ A+++ ↑ D

65 °C

R-32

011-1W0218-219
011-1W0221
011-1W0246-247

EHBX-E6V | EHBX-E9W | ERGA04-08EV | ERGA-EVH | ERGA-EVH7

Efficiency data				EHBX + ERGA	04E6V + 04EV	08E6V + 06EVH	08E9W + 06EVH	08E6V + 08EVH7	08E9W + 08EVH7
Heating capacity			Nom.	kW	4.36	6.0		7.5	
Power input			Heating	kW	0.83	1.24		1.63	
Space heating	Average climate water outlet 55°C	General	SCOP		3.29	3.28		3.35	
			ηs (Seasonal space heating efficiency)	%	129	128		131	
			Seasonal space heating eff. class			A+++			
			Prated at -10°C	kW	6.0	7.0		8.0	
	Average climate water outlet 35°C	General	SCOP		4.96	4.52		4.61	
			ηs (Seasonal space heating efficiency)	%	195	178		181	
			Seasonal space heating eff. class			A+++			
			Prated at -10°C	kW	6.0	7.0		8.0	
Domestic hot water heating	General	Declared load profile			-				
	Average climate	COPdhw			-				
		ηwh (water heating efficiency)		%	-				
		Water heating energy efficiency class			-				

Indoor Unit				EHBX	04E6V	08E6V	08E9W	08E6V	08E9W
Casing	Colour				White + Black				
	Material				Resin, sheet metal				
Dimensions	Unit	HeightxWidthxDepth		mm	840x440x390				
Weight	Unit			kg	42.0		42.4	42.0	42.4
Operation range	Indoor installation	Ambient	Min.~Max.	°CDB	5~35				
	Heating	Water side	Min.~Max.	°C	5~65				
Sound power level	Nom.			dBA	42 (1)				
Sound pressure level	Nom.			dBA	28 (2)				

Outdoor Unit				ERGA	04EV	06EVH	08EVH7
Dimensions	Unit	HeightxWidthxDepth		mm	740x884x388		
Weight	Unit			kg	58.5		
Compressor	Quantity				1		
	Type				Hermetically sealed swing compressor		
Operation range	Heating		Min.~Max.	°CDB	-25~25		
	Cooling		Min.~Max.	°CDB	10~43		
	Domestic hot water		Min.~Max.	°CDB	-25~35		
Refrigerant	Type				R-32		
	GWP				675.0		
	Charge			kg	1.5		
	Charge			tCO2Eq	1.01		
	Control				Expansion valve		
Sound power level	Heating		Nom.	dBA	58 (4)	60 (4)	62 (4)
	Cooling		Nom.	dBA	61 (4)	62 (4)	
Sound pressure level	Heating		Nom.	dBA	44 (4)	47 (4)	49 (4)
	Cooling		Nom.	dBA	48 (4)	49 (4)	50 (4)
Power supply	Name/Phase/Frequency/Voltage			Hz/V	V3/1N~/50/230		
Current	Recommended fuses			A	20		25

(1)DB/WB 7°C/6°C - LWC 35°C (DT=5°C) | (2)Sound values are measured in a semi-anechoic room. Sound pressure level is a relative value, depending on the distance and acoustic environment. For more details, please refer to the sound level drawings. Sound power level is an absolute value that a so | (3)For more details, see operation range drawing | (4)Cooling Ta 35°C - LWE 18°C (DT = 5°C); Heating Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C) | 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) | 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) | PED unit category: Art3§3: excluded from scope of PED due to article 1, item 3.6 of 97/23/EC | Operation area is extended to lower flow rates only in case the unit operates with heat pump only. (Not in startup, no BUH operation, no defrost operation). | Excluding the water in the unit. This minimum water volume is sufficient for most applications. During critical processes extra water may be required. | Above mentioned power supply for control box is for booster heater only. The switchbox of the controller box is supplied via the outdoor unit. The optional domestic hot water tank has a separate power supply. | 4 pole 20 A curve 400V tripping class C (refer to wiring diagram) | Select diameter and type according to national and local regulations