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 4 H F

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

- New intuitive MMI 5" touchscreen for better user experience
- Inclusion of all hydraulic components means no third party components are required
- PCB board and hydraulic components are located in the front for easy access
- A combined stainless steel domestic hot water tank of 180 or 230L and heat pump for easy installation
- Integrated back-up heater of 4.5 or 9 kW



EPSKS-AV3 EPVX07A 011-1W1131

up to A+++ A+ 70 °C R-290

At 35°C average climate
At 55°C average climate

Efficiency data				EPVX + EPSKS	07AS18A4V + 04AV3	07S23A4V/9W + 04AV3	07S23A4V/9W + 04AV3	07AS18A4V + 06AV3	07S23A4V/9W + 06AV3	07S23A4V/9W + 06AV3	07AS18A4V + 07AV3	07S23A4V/9W + 07AV3	07S23A4V/9W + 07AV3
Heating capacity			Nom.	kW	5.25								
Power input			Heating	kW	1.02								
Space heating	Average climate water outlet 55°C	General	SCOP			3.69			3.81			3.83	
			ηs (Seasonal space heating efficiency)	%		145				150			
			Seasonal space heating eff. class			A+				A++			
			Prated at -10°C	kW		4.6				7.0			
	Average climate water outlet 35°C	General	SCOP			5.03				5.05			
			ηs (Seasonal space heating efficiency)	%		198				199			
			Seasonal space heating eff. class						A+				
			Prated at -10°C	kW					6.1				
Domestic hot water heating	General	Declared load profile			L								
	Average climate	COPdhw			3.32								
		ηwh (water heating efficiency)		%	133								
		Water heating energy efficiency class							A+				

Indoor Unit				EPVX	07AS18A4V	07AS23A4V/9W	07AS18A4V	07AS23A4V/9W	07AS18A4V	07AS23A4V/9W
Casing	Colour				White					
	Material				Precoated galvanized steel + plastic					
Dimensions	Unit	HeightxWidthxDepth		mm	1,650x595x625	1,850x595x625	1,650x595x625	1,850x595x625	1,650x595x625	1,850x595x625
Weight	Unit			kg	94.0	111	94.0	111	94.0	111
Tank	Water volume			l	180	230	180	230	180	230
	Maximum water temperature			°C	0.00					
	Maximum water pressure			bar	10					
	Corrosion protection				Pickling					
Operation range	Indoor installation	Ambient	Min.~Max.	°CDB	5~35(4)					
	Heating	Water side	Min.~Max.	°C	15~70					
	Domestic hot water	Water side	Min.~Max.	°C	10~70					
Sound power level	Nom.			dBA	45.0(1)					
Sound pressure level	Nom.			dBA	31.0(2)					

Outdoor Unit				EPSKS	04AV3	06AV3	07AV3
Dimensions	Unit	HeightxWidthxDepth		mm	958x1,220x535		
Weight	Unit			kg	109		
Compressor	Quantity				1		
	Type				Hermetically sealed swing compressor		
Operation range	Heating		Min.~Max.	°CDB	-28.0~25		
	Cooling		Min.~Max.	°CDB	10~43		
	Domestic hot water		Min.~Max.	°CDB	-28~40		
Refrigerant	Type				R-290		
	GWP				3.0		
	Charge			kg	0.830		
	Charge			tCO2Eq	0.0025		
	Control				Expansion valve		
Sound power level	Heating		Nom.	dBA	48.2 (5)		
	Cooling		Nom.	dBA	56.7 (6)		
Sound pressure level	Heating		Nom.	dBA	29.1 (5)		
	Cooling		Nom.	dBA	37.3 (6)		
Power supply	Name/Phase/Frequency/Voltage			Hz/V	V3/1~/50/220-240		
Current	Recommended fuses			A	16		25

(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)Refer to operation range of the unit. | (4)Depends on operation mode, refer to installation manual. | (5)Measured at LWC 47-55°C; Ta DB/WB 7°C/6°C. | (6)Measured at LWC 12-7°C; Ta 35°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 | 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 dT of 45 K | Minimum required volume, excluding the volume in 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. | Refer to wiring diagram and installation manual for correct recommended fuse depending on power supply and grid connection

DAIKIN altherma

Daikin Altherma 4 H F

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

- New intuitive MMI 5" touchscreen for better user experience
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- A combined stainless steel domestic hot water tank of 180 or 230L and heat pump for easy installation
- Integrated back-up heater of 4.5 or 9 kW



EPSK06-10AV3 EPSK08-10AW1 EPSK12-14AW1

EPVX10A4V EPVX10A9W EPVX14A4V EPVX14A9W

011-1W0929
011-1W0930
011-1W0931
011-1W0933
011-1W0934
011-1W1097

up to A+++ ↑ D

At 35°C average climate
At 55°C average climate

A+ ↑ F

up to 75 °C
LWT 75°C at -15°C

R-290

Efficiency data				EPVX + EPSK	10S18/S23A4V/9W +06AV3	10S18/S23A4V/9W +08AV3	10S18/S23A4V/9W +10AV3	10S18/S23A4V/9W +08AW1	10S18/S23A4V/9W +10AW1	14S18/S23A4V/9W +12AW1	14S18/S23A4V/9W +14AW1
Heating capacity			Nom.	kW	5.81	7.62	8.11	7.62	8.11	10.2	
Power input			Heating	kW	1.12	1.52	1.64	1.52	1.64	1.86	
Space heating	Average climate water outlet 55°C	General	SCOP		3.91	3.97	4.02	3.94	3.99	4.04	3.84
			ηs (Seasonal space heating efficiency)	%	153	156	158	155	157	159	150
			Seasonal space heating eff. class					A+++ ↑ D			
			Prated at -10°C	kW	6.5	7.5	8.5	7.5	8.5	10.5	14
	Average climate water outlet 35°C	General	SCOP		5.12	5.15			5.14		4.96
			ηs (Seasonal space heating efficiency)	%	202	203		202	203		195
			Seasonal space heating eff. class					A+++ ↑ D			
			Prated at -10°C	kW	6.5	7.5	8.5	7.5	8.5	10	12
Domestic hot water heating	General	Declared load profile			L						
	Average climate	COPdhw			2.93			2.91		3.03	
		ηwh (water heating efficiency)		%	117			116		121	
		Water heating energy efficiency class						A+ ↑ F			

Indoor Unit				EPVX	10S18/S23A4V/9W	14S18/S23A4V/9W
Casing	Colour				White	
	Material				Precoated galvanized steel + plastic	
Dimensions	Unit	HeightxWidthxDepth		mm	1,650x595x625/1,850x595x625	
Weight	Unit			kg	94.0/111	
Tank	Water volume			l	180/230	
	Maximum water temperature			°C	0.00	
	Maximum water pressure			bar	10	
	Corrosion protection				Pickling	
Operation range	Indoor installation	Ambient	Min. - Max.	°CDB	5~35 (3)	
	Heating	Water side	Min.~Max.	°CDB	15~70	15~75
	Domestic hot water	Water side	Min.~Max.	°CDB	10~75	
Sound power level	Nom.			dBA	45.0 (1)	
Sound pressure level	Nom.			dBA	31.0 (2)	

Outdoor Unit				EPSK	06AV3	08AV3	10AV3	08AW1	10AW1	12AW1	14AW1
Dimensions	Unit	HeightxWidthxDepth		mm	1,123x1,330x604						
Weight	Unit			kg	174			178		191	
Compressor	Quantity				1						
	Type				Hermetically sealed scroll compressor						
Operation range	Heating		Min.~Max.	°CDB	-28~25						
	Cooling		Min.~Max.	°CDB	10~43						
	Domestic hot water		Min.~Max.	°CDB	-28~40						
Refrigerant	Type				R-290						
	GWP				3						
	Charge			kg	1					1.25	
	Charge			tCO2Eq	0.003					0.0038	
	Control				Expansion valve						
Sound power level	Heating		Nom.	dBA	45 (4)		47 (4)	45 (4)	47 (4)	52 (4)	
	Cooling		Nom.	dBA	52.2 (5)	53 (5)	53.2 (5)	53 (5)	53.2 (5)	62 (5)	63 (5)
Sound pressure level	Heating		Nom.	dBA	32.6 (4)	32.4 (4)	32.8 (4)	32.4 (4)	32.8 (4)	38 (4)	
	Cooling		Nom.	dBA	36.9 (5)	37.2 (5)	37.3 (5)	37.2 (5)	37.3 (5)	47 (5)	48 (5)
Power supply	Name/Phase/Frequency/Voltage			Hz/V	V3/1~/50/230			W1/3~/50/400			
Current	Recommended fuses			A	25			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)Measured at LWC 47-55°C; Ta DB/WB 7°C/6°C. | (5)Measured at LWC 12-7°C; Ta 35°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 | 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 dT of 45 K | Minimum required volume, excluding the volume in the unit | 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. | Refer to wiring diagram and installation manual for correct recommended fuse depending on power supply and grid connection | 1 1/4" field piping | 1 1/2" field piping | 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

Daikin Altherma 4 H ECH_2O

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

- New intuitive MMI 5" touchscreen for better user experience
- Integrated back-up heater of 9 kW
- 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
- Heat loss is reduced to a minimum thanks to the high quality insulation
- App control possible for managing heating, hot water and cooling operation





At 35°C average climate
At 55°C average climate

70 °C

R-290

011-1W1132
011-1W1133

EPSKS-AV3 EPSX07A

Efficiency data				EPSX + EPSKS	07P30A + 04AV3	07P50A + 04AV3	07P30A + 06AV3	07P50A + 06AV3	07P30A + 07AV3	07P50A + 07AV3
Heating capacity			Nom.	kW	5.25					
Power input			Heating	kW	1.02					
Space heating	Average climate water outlet 55°C	General	SCOP		3.69		3.81		3.83	
			ηs (Seasonal space heating efficiency)	%	145		150			
			Seasonal space heating eff. class		A+		A+			
			Prated at -10°C	kW	4.6		7.0			
	Average climate water outlet 35°C	General	SCOP		5.03		5.05			
			ηs (Seasonal space heating efficiency)	%	198		199			
			Seasonal space heating eff. class		A+					
			Prated at -10°C	kW	6.1					
Domestic hot water heating	General	Declared load profile			L	XL	L	XL	L	XL
	Average climate	COPdhw			2.91	3.35	2.91	3.35	2.91	3.35
		ηwh (water heating efficiency)		%	116	134	116	134	116	134
		Water heating energy efficiency class			A+					

Indoor Unit				EPSX	07P30A	07P50A	07P30A	07P50A	07P30A	07P50A
Casing	Colour				Traffic white (RAL9016)/Graphite black (RAL9011)/Jet black (RAL9005)					
	Material				Impact resistant polypropylene					
Dimensions	Unit	HeightxWidthxDepth		mm	1,914x590x671	1,906x785x837	1,914x590x671	1,906x785x837	1,914x590x671	1,906x785x837
Weight	Unit			kg	84.0	109	84.0	109	84.0	109
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	15~70					
	Domestic hot water	Water side	Min.~Max.	°C	10~70					
Sound power level	Nom.			dBA	47.0					
Sound pressure level	Nom.			dBA	24.8					

Outdoor Unit				EPSKS	04AV3	04AV3	06AV3	06AV3	07AV3	07AV3
Dimensions	Unit	HeightxWidthxDepth		mm	958x1,220x535					
Weight	Unit			kg	109					
Compressor	Quantity				1					
	Type				Hermetically sealed swing compressor					
Operation range	Heating	Min.~Max.		°CDB	-28.0~25					
	Cooling	Min.~Max.		°CDB	10~43					
	Domestic hot water	Min.~Max.		°CDB	-28~40					
Refrigerant	Type				R-290					
	GWP				3.0					
	Charge			kg	0.830					
	Charge			tCO2Eq	0.0025					
	Control				Expansion valve					
Sound power level	Heating	Nom.		dBA	48.2 (2)					
	Cooling	Nom.		dBA	56.7 (3)					
Sound pressure level	Heating	Nom.		dBA	29.1 (2)					
	Cooling	Nom.		dBA	37.3 (3)					
Power supply	Name/Phase/Frequency/Voltage			Hz/V	V3/1~/50/220-240					
Current	Recommended fuses			A	16				25	

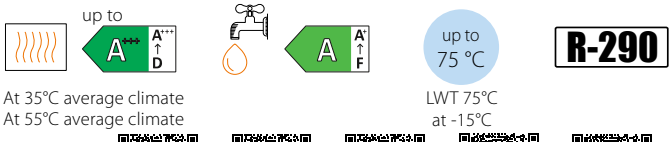
(1)Refer to drawing operation limits | (2)Measured at LWC 47-55°C; Ta DB/WB 7°C/6°C. | (3)Measured at LWC 12-7°C; Ta 35°C. | Condition: Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C) | Cooling: EW 12°C; LW 7°C; ambient conditions: 35°CDB | Cooling: EW 23°C; LW 18°C; ambient conditions: 35°CDB | Heatloss according to EN12897 | Minimum required volume, excluding the volume in the unit | Refer to wiring diagram and installation manual for correct recommended fuse depending on power supply and grid connection

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- Integrated back-up heater of 9 kW
- 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
- Heat loss is reduced to a minimum thanks to the high quality insulation
- App control possible for managing heating, hot water and cooling operation





011-1W0935
011-1W0937
011-1W0938
011-1W0939
011-1W0940
011-1W1098

EPSK06-10AV3 EPSK08-10AW1 EPSK12-14AW1 EPSX10A EPSX14A

Efficiency data				EPSX + EPSK	10P30/P50A + 06AV3	10P30/P50A + 08AV3	10P30/P50A + 10AV3	10P30/P50A + 08AW1	10P30/P50A + 10AW1	14P30/P50A + 12AW1	14P30/P50A + 14AW1
Heating capacity			Nom.	kW	5.81	7.62	8.11	7.62	8.11	10.2	
Power input			Heating	kW	1.12	1.52	1.64	1.52	1.64	1.86	
Space heating	Average climate water outlet 55°C	General	SCOP		3.91	3.97	4.02	3.94	3.99	4.04	3.84
			ηs (Seasonal space heating efficiency)	%	153	156	158	155	157	159	150
			Seasonal space heating eff. class					A+			
			Prated at -10°C	kW	6.5	7.5	8.5	7.5	8.5	10.5	14
	Average climate water outlet 35°C	General	SCOP		5.12	5.15		5.14			4.96
			ηs (Seasonal space heating efficiency)	%	202	203		202	203		195
			Seasonal space heating eff. class					A+			
			Prated at -10°C	kW	6.5	7.5	8.5	7.5	8.5	10	12
Domestic hot water heating	General	Declared load profile			L						
	Average climate	COPdhw			2.52					2.77	
		ηwh (water heating efficiency)		%	101					110	
		Water heating energy efficiency class			A						

Indoor Unit				EPSX	10P30/P50A	14P30/P50A
Casing	Colour				Traffic white (RAL9016)/Graphite black (RAL9011)/Jet black (RAL9005)	
	Material				Impact resistant polypropylene	
Dimensions	Unit	HeightxWidthxDepth		mm	1,914x590x671/1,906x785x837	
Weight	Unit			kg	84.0/105	
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	15~70	15~75
	Domestic hot water	Water side	Min.~Max.	°CDB	10~75	
Sound power level	Nom.			dBA	49.0	
Sound pressure level	Nom.			dBA	35.0	

Outdoor Unit				EPSK	06AV3	08AV3	10AV3	08AW1	10AW1	12AW1	14AW1
Dimensions	Unit	HeightxWidthxDepth		mm	1,123x1,330x604						
Weight	Unit			kg	174			178		191	
Compressor	Quantity				1						
	Type				Hermetically sealed scroll compressor						
Operation range	Heating		Min.~Max.	°CDB	-28~25						
	Cooling		Min.~Max.	°CDB	10~43						
	Domestic hot water		Min.~Max.	°CDB	-28~40						
Refrigerant	Type				R-290						
	GWP				3						
	Charge			kg	1					1.25	
	Charge			tCO2Eq	0.003					0.0038	
	Control				Expansion valve						
Sound power level	Heating		Nom.	dBA	45 (1)		47 (1)	45 (1)	47 (1)	52 (1)	
	Cooling		Nom.	dBA	52.2 (2)	53 (2)	53.2 (2)	53 (2)	53.2 (2)	62 (2)	63 (2)
Sound pressure level	Heating		Nom.	dBA	32.6 (1)	32.4 (1)	32.8 (1)	32.4 (1)	32.8 (1)	38 (1)	
	Cooling		Nom.	dBA	36.9 (2)	37.2 (2)	37.3 (2)	37.2 (2)	37.3 (2)	47 (2)	48 (2)
Power supply	Name/Phase/Frequency/Voltage			Hz/V	V3/1~/50/230			W1/3~/50/400			
Current	Recommended fuses			A	25			16			

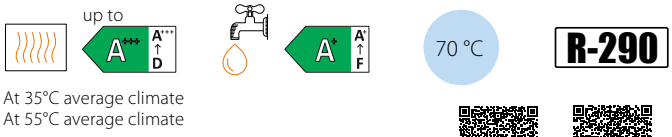
(1)Measured at LWC 47-55°C; Ta DB/WB 7°C/6°C. | (2)Measured at LWC 12-7°C; Ta 35°C. | Condition: Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C) | Cooling: EW 12°C; LW 7°C; ambient conditions: 35°CDB | Cooling: EW 23°C; LW 18°C; ambient conditions: 35°CDB | Heatloss according to EN12897 | Minimum required volume, excluding the volume in the unit | Refer to drawing operation limits | Refer to wiring diagram and installation manual for correct recommended fuse depending on power supply and grid connection | 1 1/4" field piping | 1 1/2" field piping | 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

Daikin Altherma 4 H ECH_2O

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- Integrated back-up heater of 9 kW
- 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
- Heat loss is reduced to a minimum thanks to the high quality insulation
- App control possible for managing heating, hot water and cooling operation
- Bivalent system: combinable with a secondary heat source





At 35°C average climate
At 55°C average climate

011-1W1132
011-1W1133

EPSKS-AV3 EPSXB07A

Efficiency data				EPSXB + EPSKS	07P30A + 04AV3	07P50A + 04AV3	07P30A + 06AV3	07P50A + 06AV3	07P30A + 07AV3	07P50A + 07AV3
Heating capacity			Nom.	kW	5.25					
Power input			Heating	kW	1.02					
Space heating	Average climate water outlet 55°C	General	SCOP		3.69		3.81		3.83	
			ηs (Seasonal space heating efficiency)	%	145		150			
			Seasonal space heating eff. class		A++		A+++			
			Prated at -10°C	kW	4.6		7.0			
	Average climate water outlet 35°C	General	SCOP		5.03		5.05			
			ηs (Seasonal space heating efficiency)	%	198		199			
			Seasonal space heating eff. class		A+++					
			Prated at -10°C	kW	6.1					
Domestic hot water heating	General	Declared load profile			L	XL	L	XL	L	XL
	Average climate	COPdhw			2.91	3.35	2.91	3.35	2.91	3.35
		ηwh (water heating efficiency)		%	116	134	116	134	116	134
		Water heating energy efficiency class			A+					

Indoor Unit				EPSXB	07P30A	07P50A	07P30A	07P50A	07P30A	07P50A
Casing	Colour				Traffic white (RAL9016)/Graphite black (RAL9011)/Jet black (RAL9005)					
	Material				Impact resistant polypropylene					
Dimensions	Unit	HeightxWidthxDepth		mm	1,914x590x671	1,906x785x837	1,914x590x671	1,906x785x837	1,914x590x671	1,906x785x837
Weight	Unit			kg	97.0	122	97.0	122	97.0	122
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	15~70					
	Domestic hot water	Water side	Min.~Max.	°C	10~70					
Sound power level	Nom.			dBA	47.0					
Sound pressure level	Nom.			dBA	24.8					

Outdoor Unit				EPSKS	04AV3	04AV3	06AV3	06AV3	07AV3	07AV3
Dimensions	Unit	HeightxWidthxDepth		mm	958x1,220x535					
Weight	Unit			kg	109					
Compressor	Quantity				1					
	Type				Hermetically sealed swing compressor					
Operation range	Heating	Min.~Max.		°CDB	-28.0~25					
	Cooling	Min.~Max.		°CDB	10~43					
	Domestic hot water	Min.~Max.		°CDB	-28~40					
Refrigerant	Type				R-290					
	GWP				3.0					
	Charge			kg	0.830					
	Charge			tCO2Eq	0.0025					
	Control				Expansion valve					
Sound power level	Heating	Nom.		dBA	48.2 (2)					
	Cooling	Nom.		dBA	56.7 (3)					
Sound pressure level	Heating	Nom.		dBA	29.1 (2)					
	Cooling	Nom.		dBA	37.3 (3)					
Power supply	Name/Phase/Frequency/Voltage			Hz/V	V3/1~/50/220-240					
Current	Recommended fuses			A	16				25	

(1)Refer to drawing operation limits | (2)Measured at LWC 47-55°C; Ta DB/WB 7°C/6°C. | (3)Measured at LWC 12-7°C; Ta 35°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 | Heatloss according to EN12897 | Minimum required volume, excluding the volume in the unit | Refer to wiring diagram and installation manual for correct recommended fuse depending on power supply and grid connection

DAIKIN altherma

Daikin Altherma 4 H ECH_2O

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

- New intuitive MMI 5" touchscreen for better user experience
- Integrated back-up heater of 9 kW
- 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
- Heat loss is reduced to a minimum thanks to the high quality insulation
- App control possible for managing heating, hot water and cooling operation
- Bivalent system: combinable with a secondary heat source



011-1W0935
011-1W0937
011-1W0938
011-1W0939
011-1W0940
011-1W1098

up to A+++ (A↑D)
At 35°C average climate
At 55°C average climate
A+ (A↑F)
up to 75 °C
LWT 75°C at -15°C
R-290

EPSK06-10AV3 | EPSK08-10AW1 | EPSK12-14AW1 | EPSXB10A | EPSXB14A

Efficiency data			EPSXB + EPSK		10P30/P50A + 06AV3	10P30/P50A + 08AV3	10P30/P50A + 10AV3	10P30/P50A + 08AW1	10P30/P50A + 10AW1	14P30/P50A + 12AW1	14P30/P50A + 14AW1
Heating capacity			Nom.	kW	5.81	7.62	8.11	7.62	8.11	10.2	
Power input			Heating	kW	1.12	1.52	1.64	1.52	1.64	1.86	
Space heating	Average climate water outlet 55°C	General	SCOP		3.91	3.97	4.02	3.94	3.99	4.04	3.84
			ηs (Seasonal space heating efficiency)	%	153	156	158	155	157	159	150
			Seasonal space heating eff. class					A+			
			Prated at -10°C	kW	6.5	7.5	8.5	7.5	8.5	10.5	14
	Average climate water outlet 35°C	General	SCOP		5.12	5.15			5.14		4.96
			ηs (Seasonal space heating efficiency)	%	202	203		202	203		195
			Seasonal space heating eff. class					A+			
			Prated at -10°C	kW	6.5	7.5	8.5	7.5	8.5	10	12
Domestic hot water heating	General	Declared load profile			L						
	Average climate	COPdhw			2.52					2.77	
		ηwh (water heating efficiency)		%	101					110	
		Water heating energy efficiency class						A			

Indoor Unit			EPSXB	10P30/P50A	14P30/P50A
Casing	Colour			Traffic white (RAL9016)/Graphite black (RAL9011)/Jet black (RAL9005)	
	Material			Impact resistant polypropylene	
Dimensions	Unit	HeightxWidthxDepth	mm	1,914x590x671/1,906x785x837	
Weight	Unit		kg	87.0/105	
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	15~70	15~75
	Domestic hot water	Water side Min.~Max.	°CDB	10~75	
Sound power level	Nom.		dBA	49.0	
Sound pressure level	Nom.		dBA	35.0	

Outdoor Unit			EPSK0/EPSK0/EPSK	06AV3	08AV3	10AV3	08AW1	10AW1	12AW1	14AW1
Dimensions	Unit	HeightxWidthxDepth	mm	1,123x1,330x604						
Weight	Unit		kg	174			178		191	
Compressor	Quantity			1						
	Type			Hermetically sealed scroll compressor						
Operation range	Heating	Min.~Max.	°CDB	-28~25						
	Cooling	Min.~Max.	°CDB	10~43						
	Domestic hot water	Min.~Max.	°CDB	-28~40						
Refrigerant	Type			R-290						
	GWP			3						
	Charge		kg	1					1.25	
	Charge		tCO2Eq	0.003					0.0038	
	Control			Expansion valve						
Sound power level	Heating	Nom.	dBA	45 (1)		47 (1)	45 (1)	47 (1)	52 (1)	
	Cooling	Nom.	dBA	52.2 (2)	53 (2)	53.2 (2)	53 (2)	53.2 (2)	62 (2)	63 (2)
Sound pressure level	Heating	Nom.	dBA	32.6 (1)	32.4 (1)	32.8 (1)	32.4 (1)	32.8 (1)	38 (1)	
	Cooling	Nom.	dBA	36.9 (2)	37.2 (2)	37.3 (2)	37.2 (2)	37.3 (2)	47 (2)	48 (2)
Power supply	Name/Phase/Frequency/Voltage		Hz/V	V3/1~/50/230			W1/3~/50/400			
Current	Recommended fuses		A	25			16			

(1)Measured at LWC 47-55°C; Ta DB/WB 7°C/6°C. | (2)Measured at LWC 12-7°C; Ta 35°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 | Heatloss according to EN12897 | Minimum required volume, excluding the volume in the unit | Refer to drawing operation limits | Refer to wiring diagram and installation manual for correct recommended fuse depending on power supply and grid connection | 1 1/4" field piping | 1 1/2" field piping | 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

Daikin Altherma 4 H W

Wall mounted reversible air to water heat pump

- New intuitive MMI 5" touchscreen for better user experience
- Inclusion of all hydraulic components means no third party components are required
- 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.
- Integrated back-up heater of 4.5 or 9 kW



EPSKS-AV3 EPBX07A

011-1W1130

up to A+++ A D

At 35°C average climate
At 55°C average climate

70 °C

R-290

Efficiency data			EPBX + EPSKS		07A + 04AV3	07A + 06AV3	07A + 07AV3
Heating capacity			Nom.	kW		5.25	
Power input			Heating	kW		1.02	
Space heating	Average climate water outlet 55°C	General	SCOP		3.69	3.81	3.83
			ηs (Seasonal space heating efficiency)	%	145	150	
			Seasonal space heating eff. class		A	A	
			Prated at -10°C	kW	4.6	7.0	
	Average climate water outlet 35°C	General	SCOP		5.03	5.05	
			ηs (Seasonal space heating efficiency)	%	198	199	
			Seasonal space heating eff. class			A	
			Prated at -10°C	kW		6.1	
Domestic hot water heating	General	Declared load profile				-	
	Average climate	COPdhw				-	
		ηwh (water heating efficiency)		%		-	
		Water heating energy efficiency class				-	

Indoor Unit			EPBX		07A
Casing	Colour				White + Black
	Material				Resin, sheet metal
Dimensions	Unit	HeightxWidthxDepth		mm	840x440x390
Weight	Unit			kg	33.0
Operation range	Indoor installation	Ambient	Min.~Max.	°CDB	5~35 (4)
	Heating	Water side	Min.~Max.	°C	15~70
	Domestic hot water	Water side	Min.~Max.	°C	10~70
Sound power level	Nom.			dBA	45.0 (1)
Sound pressure level	Nom.			dBA	31.0 (2)

Outdoor Unit			EPSKS		04AV3	06AV3	07AV3
Dimensions	Unit	HeightxWidthxDepth		mm	958x1,220x535		
Weight	Unit			kg	109		
Compressor	Quantity				1		
	Type				Hermetically sealed swing compressor		
Operation range	Heating		Min.~Max.	°CDB	-28.0~25		
	Cooling		Min.~Max.	°CDB	10~43		
	Domestic hot water		Min.~Max.	°CDB	-28~40		
Refrigerant	Type				R-290		
	GWP				3.0		
	Charge			kg	0.830		
	Charge			tCO2Eq	0.0025		
	Control				Expansion valve		
Sound power level	Heating		Nom.	dBA	48.2 (5)		
	Cooling		Nom.	dBA	56.7 (6)		
Sound pressure level	Heating		Nom.	dBA	29.1 (5)		
	Cooling		Nom.	dBA	37.3 (6)		
Power supply	Name/Phase/Frequency/Voltage			Hz/V	V3/1~/50/220-240		
Current	Recommended fuses			A	16		25

(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)Refer to operation range of the unit. | (4)Depends on operation mode, refer to installation manual. | (5)Measured at LWC 47-55°C; Ta DB/WB 7°C/6°C. | (6)Measured at LWC 12-7°C; Ta 35°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 | 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 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. | Refer to wiring diagram and installation manual for correct recommended fuse depending on power supply and grid connection

DAIKIN altherma

Daikin Altherma 4 H W

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- Integrated back-up heater of 4.5 or 9 kW



EPSK06-10AV3 EPSK08-10AW1 EPSK12-14AW1

EPBX10A4V EPBX10A9W EPBX14A4V EPBX14A9W

011-1W0929
011-1W0930
011-1W0934

up to A+++ A D

At 35°C average climate
At 55°C average climate

up to 75 °C

LWT 75°C at -15°C

R-290

Efficiency data					EPBX + EPSK	10A4V/9W + 06AV3	10A4V/9W + 08AV3	10A4V/9W + 10AV3	10A4V/9W + 08AW1	10A4V/9W + 10AW1	14A4V/9W + 12AW1	14A4V/9W + 14AW1
Heating capacity			Nom.	kW		5.81	7.62	8.11	7.62	8.11	10.2	
Power input			Heating	kW		1.12	1.52	1.64	1.52	1.64	1.86	
Space heating	Average climate water outlet 55°C	General	SCOP			3.91	3.97	4.02	3.94	3.99	4.04	3.84
			ηs (Seasonal space heating efficiency)	%		153	156	158	155	157	159	150
			Seasonal space heating eff. class									
			Prated at -10°C	kW		6.5	7.5	8.5	7.5	8.5	10.5	14
	Average climate water outlet 35°C	General	SCOP			5.12	5.15			5.14		4.96
			ηs (Seasonal space heating efficiency)	%		202	203		202	203		195
			Seasonal space heating eff. class									
			Prated at -10°C	kW		6.5	7.5	8.5	7.5	8.5	10	12
Domestic hot water heating	General	Declared load profile				-						
	Average climate	COPdhw				-						
		ηwh (water heating efficiency)		%		-						
		Water heating energy efficiency class				-						

Indoor Unit				EPBX	10A4V/9W	14A4V/9W
Casing	Colour				White + Black	
	Material				Resin, sheet metal	
Dimensions	Unit	HeightxWidthxDepth		mm	840x440x390	
Weight	Unit			kg	33.0	34.0
Operation range	Indoor installation	Ambient	Min.~Max.	°CDB	5~35 (3)	
	Heating	Water side	Min.~Max.	°CDB	15~70	15~75
	Domestic hot water	Water side	Min.~Max.	°CDB	-	
Sound power level	Nom.			dBA	45.0 (1)	
Sound pressure level	Nom.			dBA	31.0 (2)	

Outdoor Unit				EPSK	06AV3	08AV3	10AV3	08AW1	10AW1	12AW1	14AW1
Dimensions	Unit	HeightxWidthxDepth		mm	1,123x1,330x604						
Weight	Unit			kg	174			178		191	
Compressor	Quantity				1						
	Type				Hermetically sealed scroll compressor						
Operation range	Heating		Min.~Max.	°CDB	-28~25						
	Cooling		Min.~Max.	°CDB	10~43						
	Domestic hot water		Min.~Max.	°CDB	-28~40						
Refrigerant	Type				R-290						
	GWP				3						
	Charge			kg	1					1.25	
	Charge			tCO2Eq	0.003					0.0038	
	Control				Expansion valve						
Sound power level	Heating		Nom.	dBA	45 (4)		47 (4)	45 (4)	47 (4)	52 (4)	
	Cooling		Nom.	dBA	52.2 (5)	53 (5)	53.2 (5)	53 (5)	53.2 (5)	62 (5)	63 (5)
Sound pressure level	Heating		Nom.	dBA	32.6 (4)	32.4 (4)	32.8 (4)	32.4 (4)	32.8 (4)	38 (4)	
	Cooling		Nom.	dBA	36.9 (5)	37.2 (5)	37.3 (5)	37.2 (5)	37.3 (5)	47 (5)	48 (5)
Power supply	Name/Phase/Frequency/Voltage			Hz/V	V3/1~/50/230			W1/3~/50/400			
Current	Recommended fuses			A	25			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)Measured at LWC 47-55°C; Ta DB/WB 7°C/6°C. | (5)Measured at LWC 12-7°C; Ta 35°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 | 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. | 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. | Refer to wiring diagram and installation manual for correct recommended fuse depending on power supply and grid connection | 1 1/4" field piping | 1 1/2" field piping | 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