

Daikin Altherma high
temperature split
Technical Data
EPSK06-10AV3



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EPSK06-10AV3

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1 Features

1 - 1 EPSK06-10AV3

- › Best-in-class heating capacity, ensuring warmth at cold ambient
- › Outdoor unit extracts heat from the outdoor air, even at -28°C
- › By heat pump operation only, the outdoor unit delivers a leaving water temperature of 70-75°C at -15°C ambient temperature
- › Ultra low sound level of 50-54 dBA
- › Choosing natural refrigerant R-290 product reduces the environmental impact, leading to lower energy consumption



Guaranteed
operation
down to -28°C



Onecta app
(optional)



Online
controller

2 Specifications

2 - 1 Specifications

Technical specifications				EPBX10A4V + EPSK06AV3	EPBX10A4V + EPSK08AV3	EPBX10A4V + EPSK10AV3	
Indoor unit				EPBX10AF4V			
Outdoor unit				EPSK06ARV3	EPSK08ARV3	EPSK10ARV3	
Heating capacity	Nom.		kW	5.81 (1)	7.62 (1)	8.11 (1)	
Cooling capacity	Nom.		kW	6.00 (2) / 6.37 (3)	6.89 (2) / 6.37 (3)	7.84 (2) / 6.37 (3)	
Power input	Heating	Nom.	kW	1.12 (1)	1.52 (1)	1.64 (1)	
	Cooling	Nom.	kW	1.55 (2) / 1.13 (3)	1.85 (2) / 1.13 (3)	2.17 (2) / 1.13 (3)	
COP				5.19 (1)	5.01 (1)	4.94 (1)	
EER				3.87 (2) / 5.63 (3)	3.73 (2) / 5.63 (3)	3.62 (2) / 5.63 (3)	
Pump	Nominal ESP	Heating unit	kPa	59.3			
General	Supplier/	Name and address		Daikin Europe N.V. - Zandvoordestraat 300, 8400 Oostende, Belgium			
	Manufacturer details	Name or trademark		Daikin Europe N.V.			
	Product	Air-to-water heat pump		Yes			
	description	Brine-to-water heat pump		No			
		Heat pump combination heater		No			
		Low-temperature heat pump		No			
		Supplementary heater integrated		Yes			
		Water-to-water heat pump		No			
	LW(A) Sound power level (according to EN14825)	dB(A)	dB(A)	45			
	LW(A) Sound power level (according to EN14825)	dB(A)	dB(A)	45		47	
Sound condition Ecodesign and energy label				Sound power in heating mode, measured according to the EN12102 under conditions of the EN14825. Ecodesign sound level is not representing the maximum sound level of this product			
Space heating general	Other	Capacity control		Inverter			
		Pck (Crankcase heater mode)		0			
		Poff (Off mode)		0.021			
		Psb (Standby mode)		0.021			
		Pto (Thermostat off)		0.021			
	Integrated supplementary heater	Psup		4.5			
		Type of energy input		Electrical			
 Space heating	Average climate water outlet 55°C	General	Annual energy consumption	kWh	3,438	3,903	4,363
			ηs (Seasonal space heating efficiency)	%	153	156	158
			Prated at -10°C	kW	6.5	7.5	8.5
			SCOP		3.91	3.97	4.02
		Seasonal space heating eff. class		A+++			
		A Condition (-7°CDB/-8°CWB)	Cdh (Degradation heating)		1		
			COPd		2.65	2.64	2.62
			Pdhd		5.7	6.6	7.4
			PERd		106	105.5	104.9

2 Specifications

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Technical specifications				EPBX10A4V + EPSK06AV3	EPBX10A4V + EPSK08AV3	EPBX10A4V + EPSK10AV3
Space heating	Average climate water outlet 55°C	B Condition (2°CDB/1°CWB)	Cdh (Degradation heating)		1	
			COPd	3.86	3.92	3.98
			Pdh kW	3.5	4.1	4.7
			PERd %	154.4	156.8	159.1
		C Condition (7°CDB/6°CWB)	Cdh (Degradation heating)		1	
			COPd	4.68	4.8	4.93
			Pdh kW	2.3	2.6	2.9
			PERd %	187.2	192.1	197
		D Condition (12°CDB/11°CWB)	Cdh (Degradation heating)		1	
			COPd	6.38	6.45	6.52
			Pdh kW		2.8	
			PERd %	255.1	258	260.8
	Tol (temperature operating limit)	Tol (temperature operating limit)	COPd	2.38	2.33	2.28
			Pdh kW	6.2	7.4	8.4
			PERd %	95.1	93	91.1
			TOL °C		-10	
			WTOL °C		55	
		Rated heat output supplementary capacity	Psup (at Tdesign -10°C) kW	0.3		0
			Tbiv COPd	2.65	2.33	2.28
			Pdh kW	5.7	7.4	8.4
			PERd %	106	93	91.1
			Tbiv °C	-7	-10	
Cold climate water outlet 55°C	General	Annual energy consumption	ηs (Seasonal space heating efficiency) %	4,952	5,360	5,968
			Prated at -22°C kW	126	135	137
				6.5	7.5	8.5
	A Condition (-7°CDB/-8°CWB)	Cdh (Degradation heating)			1	
			COPd	2.94	2.98	3.01
			Pdh kW	3.7	4.5	5.2
			PERd %	117.7	119.1	120.5
	B Condition (2°CDB/1°CWB)	Cdh (Degradation heating)			1	
			COPd	3.79	3.99	4.18
			Pdh kW	2.3	2.9	3.4
			PERd %	151.6	159.5	167.4
	C Condition (7°CDB/6°CWB)	Cdh (Degradation heating)			1	
			COPd	5.06	5.09	5.11
			Pdh kW		2.4	
			PERd %	202.5	203.4	204.2

2 Specifications

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Technical specifications				EPBX10A4V + EPSK06AV3	EPBX10A4V + EPSK08AV3	EPBX10A4V + EPSK10AV3
Space heating Cold climate water outlet 55°C	D Condition (12°CDB- B/11°CWB)	COPd		6.72	6.55	6.38
		Pdh	kW		2.9	
		PERd	%	268.9	262	255
		Tol (tem- perature operating limit)			1.71	
		Pdh	kW	4.5	5.5	
		PERd	%		68.5	
		TOL	°C		-22	
		WTOL	°C		55	
		G Condition (-15°CDB/-)				
		COPd		2.3	2.24	2.19
		Pdh	kW	5.4	6.1	6.8
		PERd	%	91.8	89.6	87.4
	Tbiv (bivalent tempera- ture)	COPd		2.3	2.24	2.19
		Pdh	kW	5.4	6.1	6.8
		PERd	%	91.8	89.6	87.4
		Tbiv	°C		-15	
	Rated heat output sup- plementary capacity			2		3
	Warm climate water outlet 55°C	General	Annual energy consumption	1,868	2,317	2,491
			ηs (Seasonal space heating efficiency)	183	186	179
			Prated at 2°C	6.5	8.2	8.5
		B Condition (2°CDB- B/1°CWB)	Cdh (Degradation heating)		1	
			COPd		3.04	
			Pdh		6.1	
		C Condition (7°CDB- B/6°CWB)	PERd		121.5	
			Cdh (Degradation heating)		1	
			COPd	4.07	4.08	
		D Condition (12°CDB- B/11°CWB)	Pdh	4.3	5.2	
			PERd	162.8	163.3	
			Cdh (Degradation heating)		1	
	Average climate water outlet 35°C		COPd	5.81	5.99	
			Pdh		2.8	
			PERd	232.4	239.4	
		Tbiv (bivalent tempera- ture)	COPd	3.43	3.45	3.51
			Pdh	5.6	6.9	7.4
			PERd	137	138.1	140.2
			Tbiv		4	
			Annual energy consumption	2,624	3,009	3,408
			ηs (Seasonal space heating efficiency)	202	203	

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Technical specifications				EPBX10A4V + EPSK06AV3	EPBX10A4V + EPSK08AV3	EPBX10A4V + EPSK10AV3
Space heating	Average climate water outlet 35°C	General	Prated at -10°C kW	6.5	7.5	8.5
			SCOP	5.12	5.15	
			Seasonal space heating eff. class	A+++		
			A Condition COPd	3.49	3.4	3.31
			Pdh kW	5.8	6.7	7.5
			B/-8°CWB) PERd %	139.7	136.1	132.4
			B Condition Cdh (Degradation heating)	1		
			COPd	5.04	5.06	5.07
			Pdh kW	3.4	4	4.6
			PERd %	201.5	202.2	203
			C Condition Cdh (Degradation heating)	0.9		
			COPd	6.37	6.43	6.48
			Pdh kW	2.5	2.7	2.9
			PERd %	254.9	257	259.2
			D Condition Cdh (Degradation heating)	0.9		
			COPd	8.15	8.23	8.3
			Pdh kW	2.9		
			PERd %	325.9	329	332.2
			Tol (temperature operating limit) COPd	3.11	2.97	2.84
			Pdh kW	5.8	7.4	8.3
			PERd %	124.2	118.6	113.4
			TOL °C	-10		
			WTOL °C	35		
			G Condition PERd %	0		
			Tbiv COPd	3.49	2.97	2.84
			Pdh kW	5.8	7.4	8.3
			PERd %	139.7	118.6	113.4
			Tbiv °C	-10		
			Rated heat output supplementary capacity Psup (at Tdesign -10°C) kW	0.7	0	
Cold climate water outlet 35°C	General		Annual energy consumption kWh	3,643	4,304	4,948
			ns (Seasonal space heating efficiency) %	170	169	166
			Prated at -22°C kW	6.4	7.5	8.5
			A Condition COPd	3.86	3.84	3.83
			Pdh kW	4.2	4.6	5
			B/-8°CWB) PERd %	154.4	153.7	153.1
			B Condition Cdh (Degradation heating)	1		
			COPd	5.04	4.94	4.84

2 Specifications

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Technical specifications					EPBX10A4V + EPSK06AV3	EPBX10A4V + EPSK08AV3	EPBX10A4V + EPSK10AV3
Space heating 	Cold climate water outlet 35°C	B Condition (2°CDB/1°CWB)	Pdh	kW	2.5	2.9	3.2
			PERd	%	201.4	197.4	193.8
			Cdh (Degradation heating)				0.9
			COPd		6.34	6.43	6.47
			Pdh	kW		2.5	
			PERd	%	253.6	257.3	258.8
		D Condition (12°CDB/11°CWB)	Cdh (Degradation heating)				0.9
			COPd		7.71	7.85	7.98
			Pdh	kW		2.9	
			PERd	%	308.4	314.2	319.3
			Tol (temperature operating limit)				2.18
			COPd				
			Pdh	kW	4.2		5.1
			PERd	%	87.1		87
			TOL	°C		-22	
			WTOL	°C		35	
		G Condition (-15°CDB/-)	COPd		2.87	2.75	2.65
			Pdh	kW	5.1	6	6.9
			PERd	%	114.8	110.1	105.8
			Tbiv (bivalent temperature)				2.65
			COPd		2.87	2.75	
			Pdh	kW	5.1	6	6.9
			PERd	%	114.8	110.1	105.8
			Tbiv	°C		-15	
		Rated heat output supplementary capacity		Psup (at Tdesign -22°C) kW	2.2	2.4	3.4
Space heating 	Warm climate water outlet 35°C	General	Annual energy consumption		1,364	1,561	1,755
			ηs (Seasonal space heating efficiency)		252	254	256
			Prated at 2°C		6.5	7.5	8.5
			Cdh (Degradation heating)				1
			COPd			4.39	
			Pdh	kW		5.2	
		B Condition (2°CDB/1°CWB)	PERd	%		175.4	
			Cdh (Degradation heating)				1
			COPd		5.88	5.86	5.84
			Pdh	kW	4.1	5	5.9
			PERd	%	235.4	234.6	233.7
			Tbiv (bivalent temperature)				4.72
			COPd		4.85	4.79	
			Pdh	kW	5.5	6.3	7.1
			PERd	%	194.2	191.4	188.7
Space heating 	Warm climate water outlet 35°C	Tbiv (bivalent temperature)	Tbiv		°C		
					4		
			Cdh (Degradation heating)				0.9
			COPd		7.81	8	8.18
			Pdh	kW		2.9	
			PERd	%	312.4	319.8	327.2

(1)Condition: Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C) |

(2)Cooling: EW 12°C; LW 7°C; ambient conditions: 35°CDB |

(3)Cooling: EW 23°C; LW 18°C; ambient conditions: 35°CDB

Technical specifications					EPBX10A9W + EPSK06AV3	EPBX10A9W + EPSK08AV3	EPBX10A9W + EPSK10AV3
Indoor unit					EPBX10AF9W		
Outdoor unit					EPSK06ARV3	EPSK08ARV3	EPSK10ARV3
Heating capacity	Nom.		kW		5.81 (1)	7.62 (1)	8.11 (1)
Cooling capacity	Nom.		kW		6.00 (2) / 6.37 (3)	6.89 (2) / 6.37 (3)	7.84 (2) / 6.37 (3)
Power input	Heating	Nom.	kW		1.12 (1)	1.52 (1)	1.64 (1)
	Cooling	Nom.	kW		1.55 (2) / 1.13 (3)	1.85 (2) / 1.13 (3)	2.17 (2) / 1.13 (3)
COP					5.19 (1)	5.01 (1)	4.94 (1)
EER					3.87 (2) / 5.63 (3)	3.73 (2) / 5.63 (3)	3.62 (2) / 5.63 (3)
Pump	Nominal ESP	Heating unit	kPa		59.3		

2 Specifications

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Technical specifications					EPBX10A9W + EPSK06AV3		EPBX10A9W + EPSK08AV3		EPBX10A9W + EPSK10AV3	
General	Supplier/Manufacturer details	Name and address Name or trademark			Daikin Europe N.V. - Zandvoordestraat 300, 8400 Oostende, Belgium Daikin Europe N.V.					
	Product description	Air-to-water heat pump			Yes					
		Brine-to-water heat pump			No					
		Heat pump combination heater			No					
		Low-temperature heat pump			No					
		Supplementary heater integrated			Yes					
		Water-to-water heat pump			No					
	LW(A) Sound power level (according to EN14825)	dB(A)	dBA		45					
LW(A) Sound power level (according to EN14825)				dB(A)	dBA		45		47	
Sound condition Ecodesign and energy label					Sound power in heating mode, measured according to the EN12102 under conditions of the EN14825. Ecodesign sound level is not representing the maximum sound level of this product					
Space heating general	Other	Capacity control			Inverter					
		Pck (Crankcase heater mode) kW			0					
		Poff (Off mode) kW			0.021					
		Psb (Standby mode) kW			0.021					
		Pto (Thermostat off) kW			0.021					
	Integrated supplementary heater	Psup kW		9						
		Type of energy input			Electrical					
 Space heating	Average climate water outlet 55°C	General	Annual energy consumption	kWh	3,438		3,903		4,363	
			ηs (Seasonal space heating efficiency)	%	153		156		158	
			Prated at -10°C	kW	6.5		7.5		8.5	
			SCOP		3.91		3.97		4.02	
			Seasonal space heating eff. class			A+ + +				
		A Condition (-7°CDB/-8°CWB)	Cdh (Degradation heating)			1				
	B/-8°CWB)	COPd			2.65		2.64		2.62	
		Pdh kW			5.7		6.6		7.4	
		PERd %			106		105.5		104.9	

2 Specifications

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Technical specifications				EPBX10A9W + EPSK06AV3	EPBX10A9W + EPSK08AV3	EPBX10A9W + EPSK10AV3
Space heating Average climate water outlet 55°C	B Condition (2°CDB/1°CWB)	Cdh (Degradation heating)	COPd	3.86	3.92	3.98
			Pdh kW	3.5	4.1	4.7
			PERd %	154.4	156.8	159.1
		C Condition (7°CDB/6°CWB)	Cdh (Degradation heating)		1	
			COPd	4.68	4.8	4.93
			Pdh kW	2.3	2.6	2.9
			PERd %	187.2	192.1	197
		D Condition (12°CDB/11°CWB)	Cdh (Degradation heating)		1	
			COPd	6.38	6.45	6.52
			Pdh kW		2.8	
			PERd %	255.1	258	260.8
	Tol (temperature operating limit)	COPd		2.38	2.33	2.28
			Pdh kW	6.2	7.4	8.4
			PERd %	95.1	93	91.1
			TOL °C		-10	
			WTOL °C		55	
		Rated heat output supplementary capacity	Psup (at Tdesign -10°C) kW	0.3		0
			Tbiv COPd	2.65	2.33	2.28
			Pdh kW	5.7	7.4	8.4
			PERd %	106	93	91.1
			Tbiv °C	-7	-10	
Cold climate water outlet 55°C	General	Annual energy consumption	ηs (Seasonal space heating efficiency) %	4,952	5,360	5,968
			Prated at -22°C kW	126	135	137
				6.5	7.5	8.5
		A Condition (-7°CDB/-8°CWB)	Cdh (Degradation heating)		1	
			COPd	2.94	2.98	3.01
			Pdh kW	3.7	4.5	5.2
	B Condition (2°CDB/1°CWB)	PERd %		117.7	119.1	120.5
		C Condition (7°CDB/6°CWB)	Cdh (Degradation heating)		1	
			COPd	3.79	3.99	4.18
			Pdh kW	2.3	2.9	3.4
	C Condition (7°CDB/6°CWB)	PERd %		151.6	159.5	167.4
		PERd %				
				202.5	203.4	204.2

2 Specifications

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Technical specifications				EPBX10A9W + EPSK06AV3	EPBX10A9W + EPSK08AV3	EPBX10A9W + EPSK10AV3
Space heating 	Cold climate water outlet 55°C	D Condition (12°CDB- B/11°CWB)	COPd	6.72	6.55	6.38
			Pdh kW		2.9	
			PERd %	268.9	262	255
			Tol (tem- perature operating limit)	COPd	1.71	
			Pdh kW	4.5	5.5	
			PERd %		68.5	
			TOL °C		-22	
			WTOL °C		55	
		G Condition (-15°CDB/-)	COPd	2.3	2.24	2.19
			Pdh kW	5.4	6.1	6.8
			PERd %	91.8	89.6	87.4
		Tbiv (bivalent tempera- ture)	COPd	2.3	2.24	2.19
			Pdh kW	5.4	6.1	6.8
			PERd %	91.8	89.6	87.4
			Tbiv °C		-15	
		Rated heat output sup- plementary capacity	Psup (at Tdesign -22°C) kW	2		3
	Warm climate water outlet 55°C	General	Annual energy consumption	1,868	2,317	2,491
			ηs (Seasonal space heating efficiency)	183	186	179
			Prated at 2°C	6.5	8.2	8.5
		B Condition (2°CDB- B/1°CWB)	Cdh (Degradation heating)		1	
			COPd		3.04	
			Pdh kW		6.1	
			PERd %		121.5	
		C Condition (7°CDB- B/6°CWB)	Cdh (Degradation heating)		1	
			COPd	4.07	4.08	
			Pdh kW	4.3	5.2	
			PERd %	162.8	163.3	
		D Condition (12°CDB- B/11°CWB)	Cdh (Degradation heating)		1	
			COPd	5.81	5.99	
			Pdh kW		2.8	
			PERd %	232.4	239.4	
		Tbiv (bivalent tempera- ture)	COPd	3.43	3.45	3.51
			Pdh kW	5.6	6.9	7.4
			PERd %	137	138.1	140.2
			Tbiv °C		4	
	Average climate water outlet 35°C	General	Annual energy consumption	2,624	3,009	3,408
			ηs (Seasonal space heating efficiency)	202	203	

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Technical specifications				EPBX10A9W + EPSK06AV3	EPBX10A9W + EPSK08AV3	EPBX10A9W + EPSK10AV3	
Space heating	Average climate	General	Prated at -10°C	kW	6.5	7.5	8.5
	water outlet		SCOP		5.12	5.15	
			Seasonal space heating eff. class	A+++			
35°C		A Condition	COPd		3.49	3.4	3.31
	(-7°CDB/-8°CWB)	Pdh	kW	5.8	6.7	7.5	
		PERd	%	139.7	136.1	132.4	
	B Condition	Cdh (Degradation heating)	1				
	(2°CDB/-7°CWB)	COPd		5.04	5.06	5.07	
		Pdh	kW	3.4	4	4.6	
		PERd	%	201.5	202.2	203	
	C Condition	Cdh (Degradation heating)		0.9	1		
	(7°CDB/-6°CWB)	COPd		6.37	6.43	6.48	
		Pdh	kW	2.5	2.7	2.9	
		PERd	%	254.9	257	259.2	
	D Condition	Cdh (Degradation heating)	0.9				
	(12°CDB/-11°CWB)	COPd		8.15	8.23	8.3	
		Pdh	kW		2.9		
		PERd	%	325.9	329	332.2	
	Tol (temperature operating limit)	COPd		3.11	2.97	2.84	
		Pdh	kW	5.8	7.4	8.3	
		PERd	%	124.2	118.6	113.4	
		TOL	°C	-10			
		WTOL	°C	35			
	G Condition	PERd	%	0			
	(-15°CDB/-)						
	Tbiv	COPd		3.49	2.97	2.84	
	(bivalent temperature)	Pdh	kW	5.8	7.4	8.3	
		PERd	%	139.7	118.6	113.4	
		Tbiv	°C	-7	-10		
	Rated heat output supplementary capacity	Psup (at Tdesign -10°C)	kW	0.7	0		
Cold climate water outlet 35°C	General	Annual energy consumption	kWh	3,643	4,304	4,948	
		ηs (Seasonal space heating efficiency)	%	170	169	166	
		Prated at -22°C	kW	6.4	7.5	8.5	
	A Condition	COPd		3.86	3.84	3.83	
	(-7°CDB/-8°CWB)	Pdh	kW	4.2	4.6	5	
		PERd	%	154.4	153.7	153.1	
	B Condition	Cdh (Degradation heating)	1				
	(2°CDB/-)	COPd		5.04	4.94	4.84	

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Technical specifications					EPBX10A9W + EPSK06AV3	EPBX10A9W + EPSK08AV3	EPBX10A9W + EPSK10AV3
Space heating	Cold climate water outlet 35°C	B Condition (2°CDB- B/1°CWB)	Pdh	kW	2.5	2.9	3.2
			PERd	%	201.4	197.4	193.8
			Cdh (Degradation heating)				
			COPd		6.34	6.43	6.47
		D Condition (12°CDB- B/11°CWB)	Pdh	kW	2.5	2.5	2.5
			PERd	%	253.6	257.3	258.8
			Cdh (Degradation heating)				
			COPd		7.71	7.85	7.98
		Tol (temperature operating limit)	Pdh	kW	2.9	2.9	2.9
			PERd	%	308.4	314.2	319.3
			TOL	°C		-22	
			WTOL	°C		35	
		G Condition (-15°CDB/-)	COPd		2.87	2.75	2.65
			Pdh	kW	5.1	6	6.9
			PERd	%	114.8	110.1	105.8
		Tbiv (bivalent temperature)	COPd		2.87	2.75	2.65
			Pdh	kW	5.1	6	6.9
			PERd	%	114.8	110.1	105.8
			Tbiv	°C		-15	
		Rated heat output supplementary capacity	Psup (at Tdesign -22°C)	kW	2.2	2.4	3.4
Space heating	Warm climate water outlet 35°C	General	Annual energy consumption	kWh	1,364	1,561	1,755
			ηs (Seasonal space heating efficiency)	%	252	254	256
			Prated at 2°C	kW	6.5	7.5	8.5
			Cdh (Degradation heating)				
		B Condition (2°CDB- B/1°CWB)	COPd			4.39	
			Pdh	kW		5.2	
			PERd	%		175.4	
		C Condition (7°CDB- B/6°CWB)	Cdh (Degradation heating)			1	
			COPd		5.88	5.86	5.84
			Pdh	kW	4.1	5	5.9
			PERd	%	235.4	234.6	233.7
		Tbiv (bivalent temperature)	COPd		4.85	4.79	4.72
			Pdh	kW	5.5	6.3	7.1
			PERd	%	194.2	191.4	188.7
		Tbiv (bivalent temperature)	Tbiv	°C		4	
			Cdh (Degradation heating)				
			COPd		7.81	8	8.18
			Pdh	kW		2.9	
			PERd	%	312.4	319.8	327.2

(1)Condition: Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C) |

(2)Cooling: EW 12°C; LW 7°C; ambient conditions: 35°CDB |

(3)Cooling: EW 23°C; LW 18°C; ambient conditions: 35°CDB |

Technical specifications				EPSX10P30A + EPSK06AV3	EPSX10P50A + EPSK06AV3	EPSX10P30A + EPSK08AV3	EPSX10P50A + EPSK08AV3	EPSX10P30A + EPSK10AV3	EPSX10P50A + EPSK10AV3
Indoor unit				EPSX10P30AF	EPSX10P50AF	EPSX10P30AF	EPSX10P50AF	EPSX10P30AF	EPSX10P50AF
Outdoor unit				EPSK06ARV3		EPSK08ARV3		EPSK10ARV3	
Heating capacity	Nom.		kW	5.81 (1)		7.62 (1)		8.11 (1)	
Cooling capacity	Nom.		kW	6.00 (2) / 6.37 (3)		6.89 (2) / 6.37 (3)		7.84 (2) / 6.37 (3)	
Power input	Heating	Nom.	kW	1.12 (1)		1.52 (1)		1.64 (1)	
	Cooling	Nom.	kW	1.55 (2) / 1.13 (3)		1.85 (2) / 1.13 (3)		2.17 (2) / 1.13 (3)	
	Domestic hot water from 10°C to 50°C	Nom.	kWh	3.42	5.25	3.42	5.25	3.42	5.25
	Heat up time from 10°C to 50°C		hr	2h 21min	3h 34min	2h 21min	3h 34min	2h 21min	3h 34min
COP				5.19 (1)		5.01 (1)		4.94 (1)	
EER				3.87 (2) / 5.63 (3)		3.73 (2) / 5.63 (3)		3.62 (2) / 5.63 (3)	
Pump	Nominal ESP	Heating unit	kPa			54.4			

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Technical specifications			EPSX10P30A + EPSK06AV3	EPSX10P50A + EPSK06AV3	EPSX10P30A + EPSK08AV3	EPSX10P50A + EPSK08AV3	EPSX10P30A + EPSK10AV3	EPSX10P50A + EPSK10AV3
General	Supplier/ Manufacturer details	Name and address	Daikin Europe N.V. - Zandvoordestraat 300, 8400 Oostende, Belgium					
		Name or trademark	Daikin Europe N.V.					
	Product description	Air-to-water heat pump	Yes					
		Brine-to-water heat pump	No					
		Heat pump combination heater	No					
		Low-temperature heat pump	No					
		Supplementary heater integrated	Yes					
		Water-to-water heat pump	No					
LW(A) Sound power level (according to EN14825)	dB(A)	dB(A)	49					
LW(A) Sound power level (according to EN14825)	dB(A)	dB(A)	45			47		
Sound condition Ecodesign and energy label			Sound power in heating mode, measured according to the EN12102 under conditions of the EN14825. Ecodesign sound level is not representing the maximum sound level of this product					
Space heating general	Other	Capacity control	Inverter					
		Pck (Crankcase heater mode) kW	0					
		Poff (Off mode) kW	0.021					
		Psb (Standby mode) kW	0.021					
		Pto (Thermostat off) kW	0.021					
Domestic hot water heating	General	Declared load profile	L	XL	L	XL	L	XL
Space heating general	Integrated supplementary heater	Psup kW	9					
		Type of energy input	Electrical					
Domestic hot water heating	Average climate	AEC (Annual electricity consumption) kWh	1,016	1,352	1,016	1,352	1,016	1,352
		COPdhw	2.52	3.1	2.52	3.1	2.52	3.1
		Heat up time	2h 13min	3h 18min	2h 13min	3h 18min	2h 13min	3h 18min
		Mixed water at 40°C l	155.4	253.4	155.4	253.4	155.4	253.4
		ηwh (water heating efficiency) %	101	124	101	124	101	124
		Qelec (Daily electricity consumption) kWh	4.628	6.158	4.628	6.158	4.628	6.158
Domestic hot water heating	Average climate	Reference hot water temperature °C	45.2	44.5	45.2	44.5	45.2	44.5
		Stand-by power input W	50					
		Water heating energy efficiency class	A	A+	A	A+	A	A+
	Cold climate	AEC (Annual electricity consumption) kWh	1,199	1,597	1,199	1,597	1,199	1,597
		COPdhw	2.14	2.62	2.14	2.62	2.14	2.62
		Heat up time	2h 29min	3h 52min	2h 29min	3h 52min	2h 29min	3h 52min
		Mixed water at 40°C l	155.4	253.4	155.4	253.4	155.4	253.4
		ηwh (water heating efficiency) %	85	105	85	105	85	105
		Qelec (Daily electricity consumption) kWh	4.662	7.273	4.662	7.273	4.662	7.273
		Reference hot water temperature °C	45.2	44.5	45.2	44.5	45.2	44.5
		Stand-by power input W	50					
	Warm climate	AEC (Annual electricity consumption) kWh	883	1,163	883	1,163	883	1,163
		COPdhw	2.9	3.6	2.9	3.6	2.9	3.6
		Heat up time	2h 05min	2h 55min	2h 05min	2h 55min	2h 05min	2h 55min
		Mixed water at 40°C l	155.4	253.4	155.4	253.4	155.4	253.4
		ηwh (water heating efficiency) %	116	144	116	144	116	144
		Qelec (Daily electricity consumption) kWh	4.02	5.294	4.02	5.294	4.02	5.294
		Reference hot water temperature °C	45.2	44.5	45.2	44.5	45.2	44.5
		Stand-by power input W	50		-			

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Technical specifications				EPSX10P30A + EPSK06AV3	EPSX10P50A + EPSK06AV3	EPSX10P30A + EPSK08AV3	EPSX10P50A + EPSK08AV3	EPSX10P30A + EPSK10AV3	EPSX10P50A + EPSK10AV3
Space heating 	Average climate water outlet 55°C	General	Annual energy consumption	kWh	3,438		3,903		4,363
			ηs (Seasonal space heating efficiency)	%	153		156		158
			Prated at -10°C	kW	6.5		7.5		8.5
			SCOP		3.91		3.97		4.02
			Seasonal space heating eff. class				A+++		
			A Condition (-7°CDB/-8°CWB)				1		
			COPd		2.65		2.64		2.62
			Pdh	kW	5.7		6.6		7.4
			PERd	%	106		105.5		104.9
			B Condition (2°CDB/-1°CWB)				1		
			COPd		3.86		3.92		3.98
			Pdh	kW	3.5		4.1		4.7
			PERd	%	154.4		156.8		159.1
			C Condition (7°CDB/-6°CWB)				1		
			COPd		4.68		4.8		4.93
			Pdh	kW	2.3		2.6		2.9
			PERd	%	187.2		192.1		197
			D Condition (12°CDB/-11°CWB)				1		
			COPd		6.38		6.45		6.52
			Pdh	kW			2.8		
Space heating 	Average climate water outlet 55°C	General	PERd	%	255.1		258		260.8
			Tol (temperature operating limit)						
			COPd		2.38		2.33		2.28
			Pdh	kW	6.2		7.4		8.4
			PERd	%	95.1		93		91.1
			TOL	°C			-10		
			WTOL	°C			55		
			Rated heat output supplementary capacity				0		
			Tbiv (bivalent temperature)						
			COPd		2.65		2.33		2.28
			Pdh	kW	5.7		7.4		8.4
			PERd	%	106		93		91.1
			Tbiv	°C	-7		-10		
			Cold climate water outlet 55°C						
			General						
			Annual energy consumption	kWh	4,952		5,360		5,968
			ηs (Seasonal space heating efficiency)	%	126		135		137
			Prated at -22°C	kW	6.5		7.5		8.5
			A Condition (-7°CDB/-8°CWB)				1		
			COPd		2.94		2.98		3.01
			Pdh	kW	3.7		4.5		5.2
			PERd	%	117.7		119.1		120.5
			B Condition (2°CDB/-1°CWB)				1		
			COPd		3.79		3.99		4.18
			Pdh	kW	2.3		2.9		3.4
			PERd	%	151.6		159.5		167.4
			C Condition (7°CDB/-6°CWB)				1		
			COPd		5.06		5.09		5.11
			Pdh	kW			2.4		
			PERd	%	202.5		203.4		204.2
			D Condition (12°CDB/-11°CWB)				1		
			COPd		6.72		6.55		6.38
			Pdh	kW			2.9		
			PERd	%	268.9		262		255
			Tol (temperature operating limit)						
			COPd				1.71		
			Pdh	kW	4.5		5.5		
			PERd	%			68.5		
			TOL	°C			-22		
			WTOL	°C			55		
			G Condition (-15°CDB/-)						
			COPd		2.3		2.24		2.19

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Technical specifications				EPSX10P30A + EPSK06AV3	EPSX10P50A + EPSK06AV3	EPSX10P30A + EPSK08AV3	EPSX10P50A + EPSK08AV3	EPSX10P30A + EPSK10AV3	EPSX10P50A + EPSK10AV3
 Space heating	Cold climate water outlet 55°C	G Condition (-15°CDB/-)	Pdh	kW	5.4		6.1		6.8
			PERd	%	91.8		89.6		87.4
		Tbiv (bivalent tempera- ture)	COPd		2.3		2.24		2.19
			Pdh	kW	5.4		6.1		6.8
			PERd	%	91.8		89.6		87.4
			Tbiv	°C					-15
		Rated heat output sup- plementary capacity	Psup (at Tdesign -22°C)	kW	2				3
	Warm climate water outlet 55°C	General	Annual energy consumption	kWh	1,868		2,317		2,491
			ηs (Seasonal space heating efficiency)	%	183		186		179
			Prated at 2°C	kW	6.5		8.2		8.5
B Condition (2°CDB- B/1°CWB)		Cdh (Degradation heating)		1					
		COPd		3.04					
		Pdh	kW	6.1					
		PERd	%	121.5					
C Condition (7°CDB- B/6°CWB)		Cdh (Degradation heating)		1					
		COPd		4.07		4.08			
		Pdh	kW	4.3		5.2			
		PERd	%	162.8		163.3			
D Condition (12°CDB- B/11°CWB)		Cdh (Degradation heating)		1					
		COPd		5.81		5.99			
		Pdh	kW	2.8					
		PERd	%	232.4		239.4			
Tbiv (bivalent tempera- ture)		COPd		3.43		3.45		3.51	
		Pdh	kW	5.6		6.9		7.4	
		PERd	%	137		138.1		140.2	
		Tbiv	°C	4					
Average climate water outlet 35°C	General	Annual energy consumption	kWh	2,624		3,009		3,408	
		ηs (Seasonal space heating efficiency)	%	202		203			
		Prated at -10°C	kW	6.5		7.5		8.5	
		SCOP		5.12		5.15			
		Seasonal space heating eff. class		A+++					
	A Condition (-7°CDB- B/-8°CWB)	COPd		3.49		3.4		3.31	
		Pdh	kW	5.8		6.7		7.5	
		PERd	%	139.7		136.1		132.4	
	B Condition (2°CDB- B/1°CWB)	Cdh (Degradation heating)		1					
		COPd		5.04		5.06		5.07	
		Pdh	kW	3.4		4		4.6	

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Technical specifications					EPSX10P30A + EPSK06AV3	EPSX10P50A + EPSK06AV3	EPSX10P30A + EPSK08AV3	EPSX10P50A + EPSK08AV3	EPSX10P30A + EPSK10AV3	EPSX10P50A + EPSK10AV3
2	Space heating	Average climate water outlet 35°C	B Condition (2°CDB/1°CWB)	PERd	%	201.5		202.2		203
				C Condition (7°CDB/6°CWB)	Cdh (Degradation heating)		0.9			1
					COPd	6.37		6.43		6.48
					Pdh	2.5		2.7		2.9
					PERd	254.9		257		259.2
				D Condition (12°CDB/11°CWB)	Cdh (Degradation heating)		0.9			
					COPd	8.15		8.23		8.3
					Pdh		2.9			
					PERd	325.9		329		332.2
				Tol (temperature operating limit)	COPd	3.11		2.97		2.84
					Pdh	5.8		7.4		8.3
					PERd	124.2		118.6		113.4
					TOL		-10			
					WTOL		35			
				G Condition (-15°CDB/-)	PERd		0			
				Tbiv (bivalent temperature)	COPd	3.49		2.97		2.84
					Pdh	5.8		7.4		8.3
					PERd	139.7		118.6		113.4
					Tbiv	-7		-10		
				Rated heat output supplementary capacity	Psup (at Tdesign -10°C)	0.7		0		
				Cold climate water outlet 35°C	General	Annual energy consumption	kWh	3,643	4,304	4,948
						ηs (Seasonal space heating efficiency)	%	170	169	166
						Prated at -22°C	kW	6.4	7.5	8.5
				A Condition (-7°CDB/-8°CWB)	COPd	3.86		3.84		3.83
					Pdh	4.2		4.6		5
					PERd	154.4		153.7		153.1
				B Condition (2°CDB/1°CWB)	Cdh (Degradation heating)		1			
					COPd	5.04		4.94		4.84
					Pdh	2.5		2.9		3.2
					PERd	201.4		197.4		193.8
				C Condition (7°CDB/6°CWB)	Cdh (Degradation heating)		0.9			
					COPd	6.34		6.43		6.47
					Pdh		2.5			
					PERd	253.6		257.3		258.8
				D Condition (12°CDB/11°CWB)	Cdh (Degradation heating)		0.9			
					COPd	7.71		7.85		7.98
					Pdh		2.9			

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Technical specifications					EPSX10P30A + EPSK06AV3	EPSX10P50A + EPSK06AV3	EPSX10P30A + EPSK08AV3	EPSX10P50A + EPSK08AV3	EPSX10P30A + EPSK10AV3	EPSX10P50A + EPSK10AV3
Space heating Cold climate water outlet 35°C	D Condition	PERd	%		308.4		314.2		319.3	
	(12°CDB/- B/11°CWB)									
	Tol (tem-	COPd					2.18			
	perature	Pdh	kW		4.2			5.1		
	operating	PERd	%		87.1			87		
	limit)	TOL	°C				-22			
		WTOL	°C				35			
	G Condition	COPd			2.87		2.75		2.65	
	(-15°CDB/-)	Pdh	kW		5.1		6		6.9	
		PERd	%		114.8		110.1		105.8	
	Tbiv	COPd			2.87		2.75		2.65	
	(bivalent	Pdh	kW		5.1		6		6.9	
	tempera-	PERd	%		114.8		110.1		105.8	
	ture)	Tbiv	°C				-15			
	Rated heat	Psup (at Tdesign -22°C)	kW		2.2		2.4		3.4	
	output sup-									
	plementary									
	capacity									
	Warm climate	General	Annual energy	kWh	1,364		1,561		1,755	
	water outlet		consumption							
	35°C		ηs (Seasonal space	%	252		254		256	
			heating efficiency)							
			Prated at 2°C	kW	6.5		7.5		8.5	
	B Condition	Cdh (Degradation heating)					1			
	(2°CDB/-	COPd					4.39			
	B/1°CWB)	Pdh	kW				5.2			
		PERd	%				175.4			
	C Condition	Cdh (Degradation heating)					1			
	(7°CDB/-	COPd			5.88		5.86		5.84	
	B/6°CWB)	Pdh	kW		4.1		5		5.9	
		PERd	%		235.4		234.6		233.7	
	Tbiv	COPd			4.85		4.79		4.72	
	(bivalent	Pdh	kW		5.5		6.3		7.1	
	tempera-	PERd	%		194.2		191.4		188.7	
	ture)	Tbiv	°C				4			
	D Condition	Cdh (Degradation heating)					0.9			
	(12°CDB/-	COPd			7.81		8		8.18	
	B/11°CWB)	Pdh	kW				2.9			
		PERd	%		312.4		319.8		327.2	

(1)Condition: Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C) |

(2)Cooling: EW 12°C; LW 7°C; ambient conditions: 35°CDB |

(3)Cooling: EW 23°C; LW 18°C; ambient conditions: 35°CDB

Technical specifications				EPSXB10P30A + EPSXB10P50A + EPSK06AV3		EPSXB10P30A + EPSXB10P50A + EPSK06AV3		EPSXB10P30A + EPSXB10P50A + EPSK08AV3		EPSXB10P30A + EPSXB10P50A + EPSK08AV3		EPSXB10P30A + EPSXB10P50A + EPSK10AV3		EPSXB10P30A + EPSXB10P50A + EPSK10AV3	
Indoor unit				EPSXB10P30AF		EPSXB10P50AF		EPSXB10P30AF		EPSXB10P50AF		EPSXB10P30AF		EPSXB10P50AF	
Outdoor unit				EPSK06ARV3				EPSK08ARV3				EPSK10ARV3			
Heating capacity		Nom.		kW		5.81 (1)		7.62 (1)				8.11 (1)			
Cooling capacity		Nom.		kW		6.00 (2) / 6.37 (3)		6.89 (2) / 6.37 (3)				7.84 (2) / 6.37 (3)			
Power input		Heating		Nom.		kW		1.12 (1)		1.52 (1)		1.64 (1)			
		Cooling		Nom.		kW		1.55 (2) / 1.13 (3)		1.85 (2) / 1.13 (3)		2.17 (2) / 1.13 (3)			
		Domestic hot water from 10°C to 50°C		Nom.		kWh		3.42 5.25		3.42 5.25		3.42 5.25			
Heat up time from 10°C to 50°C				hr		2h 21min 3h 34min		2h 21min 3h 34min		2h 21min 3h 34min		2h 21min 3h 34min			
COP				5.19 (1)				5.01 (1)				4.94 (1)			
EER				3.87 (2) / 5.63 (3)				3.73 (2) / 5.63 (3)				3.62 (2) / 5.63 (3)			
Pump		Nominal ESP Heating unit		kPa		54.4									

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Technical specifications				EPSXB10P30A + EPSK06AV3		EPSXB10P50A + EPSK06AV3		EPSXB10P30A + EPSK08AV3		EPSXB10P50A + EPSK08AV3		EPSXB10P30A + EPSK10AV3		EPSXB10P50A + EPSK10AV3	
General	Supplier/ Manufacturer details	Name and address		Daikin Europe N.V. - Zandvoordestraat 300, 8400 Oostende, Belgium											
		Name or trademark		Daikin Europe N.V.											
	Product description	Air-to-water heat pump		Yes											
		Brine-to-water heat pump		No											
		Heat pump combination heater		No											
		Low-temperature heat pump		No											
		Supplementary heater integrated		Yes											
		Water-to-water heat pump		No											
LW(A) Sound power level (according to EN14825)	dB(A)	dB(A)	49												
LW(A) Sound power level (according to EN14825)			dB(A)	dB(A)	45						47				
Sound condition Ecodesign and energy label				Sound power in heating mode, measured according to the EN12102 under conditions of the EN14825. Ecodesign sound level is not representing the maximum sound level of this product											
Space heating general	Other	Capacity control		Inverter											
		Pck (Crankcase heater mode) kW		0											
		Poff (Off mode) kW		0.021											
		Psb (Standby mode) kW		0.021											
		Pto (Thermostat off) kW		0.021											
Domestic hot water heating	General	Declared load profile		L		XL		L		XL		L		XL	
Space heating general	Integrated supplementary heater	Psup kW		9											
		Type of energy input		Electrical											
Domestic hot water heating	Average climate	AEC (Annual electricity consumption) kWh		1,016		1,352		1,016		1,352		1,016		1,352	
		COPdhw		2.52		3.1		2.52		3.1		2.52		3.1	
		Heat up time		2h 13min		3h 18min		2h 13min		3h 18min		2h 13min		3h 18min	
		Mixed water at 40°C l		155.4		253.4		155.4		253.4		155.4		253.4	
		ηwh (water heating efficiency) %		101		124		101		124		101		124	
		Qelec (Daily electricity consumption) kWh		4.628		6.158		4.628		6.158		4.628		6.158	
Domestic hot water heating	Average climate	Reference hot water temperature °C		45.2		44.5		45.2		44.5		45.2		44.5	
		Stand-by power input W		50											
		Water heating energy efficiency class		A		A+		A		A+		A		A+	
	Cold climate	AEC (Annual electricity consumption) kWh		1,199		1,597		1,199		1,597		1,199		1,597	
		COPdhw		2.14		2.62		2.14		2.62		2.14		2.62	
		Heat up time		2h 29min		3h 52min		2h 29min		3h 52min		2h 29min		3h 52min	
		Mixed water at 40°C l		155.4		253.4		155.4		253.4		155.4		253.4	
		ηwh (water heating efficiency) %		85		105		85		105		85		105	
		Qelec (Daily electricity consumption) kWh		4.662		7.273		4.662		7.273		4.662		7.273	
		Reference hot water temperature °C		45.2		44.5		45.2		44.5		45.2		44.5	
		Stand-by power input W		50											
	Warm climate	AEC (Annual electricity consumption) kWh		883		1,163		883		1,163		883		1,163	
		COPdhw		2.9		3.6		2.9		3.6		2.9		3.6	
		Heat up time		2h 05min		2h 55min		2h 05min		2h 55min		2h 05min		2h 55min	
		Mixed water at 40°C l		155.4		253.4		155.4		253.4		155.4		253.4	
		ηwh (water heating efficiency) %		116		144		116		144		116		144	
		Qelec (Daily electricity consumption) kWh		4.02		5.294		4.02		5.294		4.02		5.294	
		Reference hot water temperature °C		45.2		44.5		45.2		44.5		45.2		44.5	

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Technical specifications					EPSXB10P30A + EPSK06AV3	EPSXB10P50A + EPSK06AV3	EPSXB10P30A + EPSK08AV3	EPSXB10P50A + EPSK08AV3	EPSXB10P30A + EPSK10AV3	EPSXB10P50A + EPSK10AV3
Space heating 	Average climate water outlet 55°C	General	Annual energy consumption	kWh	3,438		3,903		4,363	
			ηs (Seasonal space heating efficiency)	%	153		156		158	
			Prated at -10°C	kW	6.5		7.5		8.5	
			SCOP		3.91		3.97		4.02	
			Seasonal space heating eff. class				A+++			
			A Condition (-7°CDB/-8°CWB)				1			
			COPd		2.65		2.64		2.62	
			Pdh	kW	5.7		6.6		7.4	
			PERd	%	106		105.5		104.9	
			B Condition (2°CDB/-1°CWB)				1			
			COPd		3.86		3.92		3.98	
			Pdh	kW	3.5		4.1		4.7	
			PERd	%	154.4		156.8		159.1	
			C Condition (7°CDB/6°CWB)				1			
			COPd		4.68		4.8		4.93	
			Pdh	kW	2.3		2.6		2.9	
			PERd	%	187.2		192.1		197	
			D Condition (12°CDB/11°CWB)				1			
			COPd		6.38		6.45		6.52	
Space heating 	Average climate water outlet 55°C	D Condition (12°CDB/11°CWB)	Pdh	kW			2.8			
			PERd	%	255.1		258		260.8	
			Tol (temperature operating limit)							
			COPd		2.38		2.33		2.28	
			Pdh	kW	6.2		7.4		8.4	
			PERd	%	95.1		93		91.1	
			TOL	°C			-10			
			WTOL	°C			55			
			Rated heat output supplementary capacity					0		
			Psup (at Tdesign -10°C)	kW	0.3					
			Tbiv (bivalent temperature)							
			COPd		2.65		2.33		2.28	
			Pdh	kW	5.7		7.4		8.4	
			PERd	%	106		93		91.1	
			Tbiv	°C	-7		-10			
	Cold climate water outlet 55°C	General	Annual energy consumption	kWh	4,952		5,360		5,968	
			ηs (Seasonal space heating efficiency)	%	126		135		137	
			Prated at -22°C	kW	6.5		7.5		8.5	
			A Condition (-7°CDB/-8°CWB)				1			
			COPd		2.94		2.98		3.01	
			Pdh	kW	3.7		4.5		5.2	
			PERd	%	117.7		119.1		120.5	
			B Condition (2°CDB/-1°CWB)				1			
			COPd		3.79		3.99		4.18	
			Pdh	kW	2.3		2.9		3.4	
			PERd	%	151.6		159.5		167.4	
			C Condition (7°CDB/6°CWB)				1			
			COPd		5.06		5.09		5.11	
			Pdh	kW			2.4			
			PERd	%	202.5		203.4		204.2	
			D Condition (12°CDB/11°CWB)							
			COPd		6.72		6.55		6.38	
			Pdh	kW			2.9			
			PERd	%	268.9		262		255	
			Tol (temperature operating limit)				1.71			
			COPd					5.5		
			Pdh	kW	4.5					
			PERd	%			68.5			
			TOL	°C			-22			
			WTOL	°C			55			
			G Condition (-15°CDB/-)							
			COPd		2.3		2.24		2.19	
			Pdh	kW	5.4		6.1		6.8	

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Technical specifications					EPSXB10P30A + EPSK06AV3	EPSXB10P50A + EPSK06AV3	EPSXB10P30A + EPSK08AV3	EPSXB10P50A + EPSK08AV3	EPSXB10P30A + EPSK10AV3	EPSXB10P50A + EPSK10AV3
Space heating	Cold climate water outlet 55°C	G Condition	PERd	%	91.8		89.6		87.4	
		Tbiv (bivalent tempera- ture)	COPd Pdh PERd Tbiv	 kW % °C	 2.3 5.4 91.8 -15		 2.24 6.1 89.6 -15		 2.19 6.8 87.4	
		Rated heat output sup- plementary capacity	Psup (at Tdesign -22°C)	kW	2				3	
Warm climate water outlet 55°C	General	Annual energy consumption		kWh	1,868		2,317		2,491	
		ηs (Seasonal space heating efficiency)		%	183		186		179	
		Prated at 2°C		kW	6.5		8.2		8.5	
	B Condition (2°C- B/1°CWB)	Cdh (Degradation heating)					1			
		COPd					3.04			
		Pdh		kW			6.1			
		PERd		%			121.5			
	C Condition (7°C- B/6°CWB)	Cdh (Degradation heating)					1			
		COPd			4.07		4.08			
		Pdh		kW	4.3		5.2			
		PERd		%	162.8		163.3			
	D Condition (12°C- B/11°CWB)	Cdh (Degradation heating)					1			
		COPd			5.81		5.99			
		Pdh		kW			2.8			
		PERd		%	232.4		239.4			
	Tbiv (bivalent tempera- ture)	COPd Pdh PERd Tbiv	 COPd Pdh PERd Tbiv	 kW % °C	 3.43 5.6 137 4		 3.45 6.9 138.1 4		 3.51 7.4 140.2	
Average climate water outlet 35°C	General	Annual energy consumption		kWh	2,624		3,009		3,408	
		ηs (Seasonal space heating efficiency)		%	202		203			
		Prated at -10°C		kW	6.5		7.5		8.5	
		SCOP			5.12		5.15			
		Seasonal space heating eff. class					A+++			
	A Condition (-7°C- B/-8°CWB)	COPd Pdh PERd	 COPd Pdh PERd	 kW % %	 3.49 5.8 139.7		 3.4 6.7 136.1		 3.31 7.5 132.4	
	B Condition (2°C- B/1°CWB)	Cdh (Degradation heating)					1			
		COPd			5.04		5.06		5.07	
		Pdh		kW	3.4		4		4.6	
		PERd		%	201.5		202.2		203	

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Technical specifications				EPSXB10P30A + EPSK06AV3	EPSXB10P50A + EPSK06AV3	EPSXB10P30A + EPSK08AV3	EPSXB10P50A + EPSK08AV3	EPSXB10P30A + EPSK10AV3	EPSXB10P50A + EPSK10AV3		
 Space heating	Average climate water outlet 35°C	C Condition (7°CDB- B/6°CWB)	Cdh (Degradation heating)	0.9				1			
			COPd	6.37				6.48			
			Pdh kW	2.5				2.9			
			PERd %	254.9				259.2			
		D Condition (12°CDB- B/11°CWB)	Cdh (Degradation heating)	0.9							
			COPd	8.15				8.3			
			Pdh kW	2.9							
			PERd %	325.9				332.2			
		Tol (temperature operating limit)	COPd	3.11				2.84			
			Pdh kW	5.8				8.3			
			PERd %	124.2				113.4			
			TOL °C	-10							
		WTOL °C	35								
		G Condition (-15°CDB/-)	PERd %	0							
			Tbiv COPd	3.49				2.84			
			Pdh kW	5.8				8.3			
			PERd %	139.7				113.4			
		Tbiv °C	-7				-10				
		Rated heat output supplementary capacity	Psup (at Tdesign -10°C) kW	0.7				0			
		Cold climate water outlet 35°C	General	Annual energy consumption kWh	3,643				4,304		4,948
	ηs (Seasonal space heating efficiency) %			170				169		166	
	Prated at -22°C kW			6.4				7.5		8.5	
	A Condition (-7°CDB- B/-8°CWB)			COPd	3.86				3.84		3.83
			Pdh kW	4.2				4.6		5	
			PERd %	154.4				153.7		153.1	
	B Condition (2°CDB- B/1°CWB)		Cdh (Degradation heating)	1							
			COPd	5.04				4.94		4.84	
			Pdh kW	2.5				2.9		3.2	
			PERd %	201.4				197.4		193.8	
	C Condition (7°CDB- B/6°CWB)		Cdh (Degradation heating)	0.9							
			COPd	6.34				6.43		6.47	
			Pdh kW					2.5			
			PERd %	253.6				257.3		258.8	
	D Condition (12°CDB- B/11°CWB)		Cdh (Degradation heating)	0.9							
			COPd	7.71				7.85		7.98	
			Pdh kW					2.9			
			PERd %	308.4				314.2		319.3	

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Technical specifications				EPSXB10P30A + EPSK06AV3	EPSXB10P50A + EPSK06AV3	EPSXB10P30A + EPSK08AV3	EPSXB10P50A + EPSK08AV3	EPSXB10P30A + EPSK10AV3	EPSXB10P50A + EPSK10AV3
Space heating	Cold climate water outlet 35°C	Tol (tem- perature operating limit)	COPd				2.18		
			Pdh	kW	4.2		5.1		
			PERd	%	87.1		87		
			TOL	°C			-22		
			WTOL	°C			35		
		G Condition (-15°CDB/-)	COPd		2.87		2.75		2.65
			Pdh	kW	5.1		6		6.9
			PERd	%	114.8		110.1		105.8
		Tbiv (bivalent tempera- ture)	COPd		2.87		2.75		2.65
			Pdh	kW	5.1		6		6.9
			PERd	%	114.8		110.1		105.8
	Warm climate water outlet 35°C	General	Tbiv	°C			-15		
			Rated heat output sup- plementary capacity	kW	2.2		2.4		3.4
			Annual energy consumption	kWh	1,364		1,561		1,755
			ηs (Seasonal space heating efficiency)	%	252		254		256
		B Condition (2°CDB- B/1°CWB)	Prated at 2°C	kW	6.5		7.5		8.5
			Cdh (Degradation heating)				1		
			COPd				4.39		
		C Condition (7°CDB- B/6°CWB)	Pdh	kW			5.2		
			PERd	%			175.4		
			Cdh (Degradation heating)				1		
		D Condition (12°CDB- B/11°CWB)	COPd		5.88		5.86		5.84
			Pdh	kW	4.1		5		5.9
			PERd	%	235.4		234.6		233.7
		Tbiv (bivalent tempera- ture)	COPd		4.85		4.79		4.72
			Pdh	kW	5.5		6.3		7.1
			PERd	%	194.2		191.4		188.7
			Tbiv	°C			4		
			Cdh (Degradation heating)				0.9		
			COPd		7.81		8		8.18
			Pdh	kW			2.9		
			PERd	%	312.4		319.8		327.2

(1)Condition: Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C) |
(2)Cooling: EW 12°C; LW 7°C; ambient conditions: 35°CDB |
(3)Cooling: EW 23°C; LW 18°C; ambient conditions: 35°CDB

Technical specifications				EPVX10S18A4V + EPSK06AV3	EPVX10S23A4V + EPSK06AV3	EPVX10S18A4V + EPSK08AV3	EPVX10S23A4V + EPSK08AV3	EPVX10S18A4V + EPSK10AV3	EPVX10S23A4V + EPSK10AV3
Indoor unit				EPVX10S18AJ4V	EPVX10S23AJ4V	EPVX10S18AJ4V	EPVX10S23AJ4V	EPVX10S18AJ4V	EPVX10S23AJ4V
Outdoor unit				EPSK06ARV3		EPSK08ARV3		EPSK10ARV3	
Heating capacity		Nom.	kW	5.81 (1)		7.62 (1)		8.11 (1)	
Cooling capacity		Nom.	kW	6.00 (2) / 6.37 (3)		6.89 (2) / 6.37 (3)		7.84 (2) / 6.37 (3)	
Power input	Heating	Nom.	kW	1.12 (1)		1.52 (1)		1.64 (1)	
	Cooling	Nom.	kW	1.55 (2) / 1.13 (3)		1.85 (2) / 1.13 (3)		2.17 (2) / 1.13 (3)	
	Domestic hot water from 10°C to 50°C	Nom.	kWh	2.35	2.89	2.35	2.89	2.35	2.89
	Heat up time from 10°C to 50°C			hr	1h 27min	1h 58min	1h 27min	1h 58min	1h 27min
COP				5.19 (1)		5.01 (1)		4.94 (1)	
EER				3.87 (2) / 5.63 (3)		3.73 (2) / 5.63 (3)		3.62 (2) / 5.63 (3)	
Pump	Nominal ESP unit	Heating	kPa	60.6					
General	Supplier/Manufacturer details	Name and address Name or trademark		Daikin Europe N.V. - Zandvoordestraat 300, 8400 Oostende, Belgium Daikin Europe N.V.					
	Product description	Air-to-water heat pump		Yes					
		Brine-to-water heat pump		No					
		Heat pump combination heater		No					
		Low-temperature heat pump		No					
		Supplementary heater integrated		Yes					
	Water-to-water heat pump		No						
	LW(A) Sound power level (according to EN14825)	dB(A)	dBA	45					

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Technical specifications			EPVX10S18A4V + EPSK06AV3	EPVX10S23A4V + EPSK06AV3	EPVX10S18A4V + EPSK08AV3	EPVX10S23A4V + EPSK08AV3	EPVX10S18A4V + EPSK10AV3	EPVX10S23A4V + EPSK10AV3		
LW(A) Sound power level dB(A) (according to EN14825)			45				47			
Sound condition Ecodesign and energy label			Sound power in heating mode, measured according to the EN12102 under conditions of the EN14825. Ecodesign sound level is not representing the maximum sound level of this product							
Space heating general	Other	Capacity control	Inverter							
		Pck (Crankcase heater mode)	0							
		Poff (Off mode)	0.021							
		Psb (Standby mode)	0.021							
		Pto (Thermostat off)	0.021							
Domestic hot water heating	General	Declared load profile	L							
Space heating general	Integrated supplementary heater	Psup	4.5							
		Type of energy input	Electrical							
Domestic hot water heating	Average climate	AEC (Annual electricity consumption)	873							
		COPdhw	2.93							
		Heat up time	1h 13min	1h 39min	1h 13min	1h 39min	1h 13min	1h 39min		
		Mixed water at 40°C	203.6	253.3	203.6	253.3	203.6	253.3		
		ηwh (water heating efficiency)	117							
		Qelec (Daily electricity consumption)	3.975							
Domestic hot water heating	Average climate	Reference hot water temperature	47	47.4	47	47.4	47	47.4		
		Stand-by power input	42.1							
		Water heating energy efficiency class	A+							
	Cold climate	AEC (Annual electricity consumption)	1,014							
		COPdhw	2.52							
		Heat up time	1h 13min	1h 39min	1h 13min	1h 39min	1h 13min	1h 39min		
		Mixed water at 40°C	203.6	253.3	203.6	253.3	203.6	253.3		
		ηwh (water heating efficiency)	101							
		Qelec (Daily electricity consumption)	4.616							
	Warm climate	Reference hot water temperature	47	47.4	47	47.4	47	47.4		
		Stand-by power input	45.9							
		AEC (Annual electricity consumption)	759							
		COPdhw	3.37							
		Heat up time	1h 13min	1h 36min	1h 13min	1h 36min	1h 13min	1h 36min		
		Mixed water at 40°C	203.6	253.3	203.6	253.3	203.6	253.3		
		ηwh (water heating efficiency)	135							
		Qelec (Daily electricity consumption)	3.457							
	Space heating	Average climate water outlet 55°C	General	Annual energy consumption	3,438		3,903		4,363	
			ηs (Seasonal space heating efficiency)	153		156		158		
			Prated at -10°C	6.5		7.5		8.5		
			SCOP	3.91		3.97		4.02		
			Seasonal space heating eff. class	A+++						
		A Condition (-7°CDB/-8°CWB)	Cdh (Degradation heating)	1						
			COPd	2.65		2.64		2.62		
Pdh			5.7		6.6		7.4			
PERd			106		105.5		104.9			
B Condition (2°CDB/11°CWB)		Cdh (Degradation heating)	1							
		COPd	3.86		3.92		3.98			
		Pdh	3.5		4.1		4.7			
		PERd	154.4		156.8		159.1			
C Condition (7°CDB/6°CWB)	Cdh (Degradation heating)	1								
	COPd	4.68		4.8		4.93				
	Pdh	2.3		2.6		2.9				
	PERd	187.2		192.1		197				
D Condition (12°CDB/11°CWB)	Cdh (Degradation heating)	1								

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Technical specifications				EPVX10S18A4V + EPSK06AV3	EPVX10S23A4V + EPSK06AV3	EPVX10S18A4V + EPSK08AV3	EPVX10S23A4V + EPSK08AV3	EPVX10S18A4V + EPSK10AV3	EPVX10S23A4V + EPSK10AV3
Space heating 	Average climate water outlet 55°C	D Condition (12°CDB- B/11°CWB)	COPd	6.38		6.45		6.52	
			Pdh kW			2.8			
		Tol (tem- perature operating limit)	PERd %	255.1		258		260.8	
			COPd	2.38		2.33		2.28	
			Pdh kW	6.2		7.4		8.4	
			PERd %	95.1		93		91.1	
			TOL °C			-10			
			WTOL °C			55			
		Rated heat output sup- plementary capacity	Psup (at Tdesign -10°C) kW	0.3		0			
		Tbiv (bivalent tempera- ture)	COPd	2.65		2.33		2.28	
			Pdh kW	5.7		7.4		8.4	
			PERd %	106		93		91.1	
			Tbiv °C	-7		-10			
	Cold climate water outlet 55°C	General	Annual energy consumption	4,952		5,360		5,968	
			ηs (Seasonal space heating efficiency)	126		135		137	
			Prated at -22°C kW	6.5		7.5		8.5	
			Cdh (Degradation heating)			1			
		A Condition (-7°CDB- B/-8°CWB)	COPd	2.94		2.98		3.01	
			Pdh kW	3.7		4.5		5.2	
			PERd %	117.7		119.1		120.5	
		B Condition (2°CDB- B/1°CWB)	Cdh (Degradation heating)			1			
			COPd	3.79		3.99		4.18	
			Pdh kW	2.3		2.9		3.4	
			PERd %	151.6		159.5		167.4	
		C Condition (7°CDB- B/6°CWB)	Cdh (Degradation heating)			1			
			COPd	5.06		5.09		5.11	
			Pdh kW			2.4			
			PERd %	202.5		203.4		204.2	
		D Condition (12°CDB- B/11°CWB)	COPd	6.72		6.55		6.38	
			Pdh kW			2.9			
			PERd %	268.9		262		255	
		Tol (tem- perature operating limit)	COPd			1.71			
			Pdh kW	4.5		5.5			
			PERd %			68.5			
			TOL °C			-22			
			WTOL °C			55			
		G Condition (-15°CDB/-)	COPd	2.3		2.24		2.19	

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Technical specifications					EPVX10S18A4V + EPSK06AV3	EPVX10S23A4V + EPSK06AV3	EPVX10S18A4V + EPSK08AV3	EPVX10S23A4V + EPSK08AV3	EPVX10S18A4V + EPSK10AV3	EPVX10S23A4V + EPSK10AV3	
Space heating 	Cold climate water outlet 55°C	G Condition (-15°CDB/-)	Pdh	kW	5.4		6.1		6.8		
			PERd	%	91.8		89.6		87.4		
		(bivalent tempera- ture)	Tbiv	COPd	2.3		2.24		2.19		
			Pdh	kW	5.4		6.1		6.8		
			PERd	%	91.8		89.6		87.4		
		Tbiv	°C			-15					
		Rated heat output sup- plementary capacity	Psup (at Tdesign -22°C)	kW	2				3		
	Warm climate water outlet 55°C	General	Annual energy consumption	kWh	1,868		2,317		2,491		
			ηs (Seasonal space heating efficiency)	%	183		186		179		
			Prated at 2°C	kW	6.5		8.2		8.5		
		B Condition (2°CDB- B/1°CWB)	Cdh (Degradation heating)				1				
			COPd				3.04				
		B/1°CWB)	Pdh	kW			6.1				
			PERd	%			121.5				
			Cdh (Degradation heating)				1				
		C Condition (7°CDB- B/6°CWB)	COPd		4.07		4.08				
			Pdh	kW	4.3		5.2				
			PERd	%	162.8		163.3				
		D Condition (12°CDB- B/11°CWB)	Cdh (Degradation heating)				1				
			COPd		5.81		5.99				
			Pdh	kW			2.8				
			PERd	%	232.4		239.4				
			Tbiv (bivalent tempera- ture)	COPd		3.43		3.45		3.51	
				Pdh	kW	5.6		6.9		7.4	
		PERd		%	137		138.1		140.2		
		Average climate water outlet 35°C	General	Tbiv	°C			4			
Annual energy consumption				kWh	2,624		3,009		3,408		
ηs (Seasonal space heating efficiency)	%			202		203					
Prated at -10°C	kW			6.5		7.5		8.5			
SCOP				5.12		5.15					
A Condition (-7°CDB- B/-8°CWB)	Seasonal space heating eff. class				A+++						
	COPd			3.49		3.4		3.31			
	Pdh		kW	5.8		6.7		7.5			
	PERd		%	139.7		136.1		132.4			
	Cdh (Degradation heating)				1						
	COPd			5.04		5.06		5.07			
	Pdh		kW	3.4		4		4.6			
	B Condition (2°CDB- B/1°CWB)										

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Technical specifications					EPVX10S18A4V + EPSK06AV3	EPVX10S23A4V + EPSK06AV3	EPVX10S18A4V + EPSK08AV3	EPVX10S23A4V + EPSK08AV3	EPVX10S18A4V + EPSK10AV3	EPVX10S23A4V + EPSK10AV3
Space heating	Average climate water outlet 35°C	B Condition (2°CDB/1°CWB)	PERd	%	201.5		202.2		203	
			C Condition (7°CDB/6°CWB)	Cdh (Degradation heating)		0.9			1	
				COPd	6.37		6.43		6.48	
				Pdh	2.5		2.7		2.9	
				PERd	254.9		257		259.2	
		D Condition (12°CDB/11°CWB)	Cdh (Degradation heating)			0.9				
				COPd	8.15		8.23		8.3	
				Pdh		2.9				
				PERd	325.9		329		332.2	
			Tol (temperature operating limit)	COPd	3.11		2.97		2.84	
				Pdh	5.8		7.4		8.3	
				PERd	124.2		118.6		113.4	
				TOL		-10				
				WTOL		35				
			G Condition (-15°CDB/-)	PERd		0				
			Tbiv (bivalent temperature)	COPd	3.49		2.97		2.84	
				Pdh	5.8		7.4		8.3	
				PERd	139.7		118.6		113.4	
				Tbiv	-7		-10			
			Rated heat output supplementary capacity	Psup (at Tdesign -10°C)	0.7		0			
	Cold climate water outlet 35°C	General	Annual energy consumption	kWh	3,643		4,304		4,948	
			ηs (Seasonal space heating efficiency)	%	170		169		166	
			Prated at -22°C	kW	6.4		7.5		8.5	
			A Condition (-7°CDB/-8°CWB)	COPd	3.86		3.84		3.83	
				Pdh	4.2		4.6		5	
				PERd	154.4		153.7		153.1	
			B Condition (2°CDB/1°CWB)	Cdh (Degradation heating)		1				
				COPd	5.04		4.94		4.84	
				Pdh	2.5		2.9		3.2	
				PERd	201.4		197.4		193.8	
			C Condition (7°CDB/6°CWB)	Cdh (Degradation heating)		0.9				
				COPd	6.34		6.43		6.47	
				Pdh		2.5				
				PERd	253.6		257.3		258.8	
			D Condition (12°CDB/11°CWB)	Cdh (Degradation heating)		0.9				
				COPd	7.71		7.85		7.98	
				Pdh		2.9				

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Technical specifications					EPVX10S18A4V + EPSK06AV3	EPVX10S23A4V + EPSK06AV3	EPVX10S18A4V + EPSK08AV3	EPVX10S23A4V + EPSK08AV3	EPVX10S18A4V + EPSK10AV3	EPVX10S23A4V + EPSK10AV3
Space heating Cold climate water outlet 35°C	D Condition	PERd	%		308.4		314.2		319.3	
	(12°CDB/-B/11°CWB)									
	Tol (tem-	COPd					2.18			
	perature	Pdh	kW		4.2		5.1			
	operating	PERd	%		87.1		87			
	limit)	TOL	°C				-22			
		WTOL	°C				35			
	G Condition	COPd			2.87		2.75		2.65	
	(-15°CDB/-)	Pdh	kW		5.1		6		6.9	
		PERd	%		114.8		110.1		105.8	
	Tbiv	COPd			2.87		2.75		2.65	
	(bivalent	Pdh	kW		5.1		6		6.9	
	tempera-	PERd	%		114.8		110.1		105.8	
	ture)	Tbiv	°C				-15			
	Rated heat	Psup (at Tdesign -22°C)	kW		2.2		2.4		3.4	
	output sup-									
	plementary									
	capacity									
	Warm climate	General	Annual energy	kWh	1,364		1,561		1,755	
	water outlet		consumption							
	35°C		ηs (Seasonal space	%	252		254		256	
			heating efficiency)							
			Prated at 2°C	kW	6.5		7.5		8.5	
	B Condition	Cdh (Degradation heating)					1			
	(2°CDB/-B/1°CWB)	COPd					4.39			
		Pdh	kW				5.2			
		PERd	%				175.4			
	C Condition	Cdh (Degradation heating)					1			
	(7°CDB/-B/6°CWB)	COPd			5.88		5.86		5.84	
		Pdh	kW		4.1		5		5.9	
		PERd	%		235.4		234.6		233.7	
	Tbiv	COPd			4.85		4.79		4.72	
	(bivalent	Pdh	kW		5.5		6.3		7.1	
	tempera-	PERd	%		194.2		191.4		188.7	
	ture)	Tbiv	°C				4			
	D Condition	Cdh (Degradation heating)					0.9			
	(12°CDB/-B/11°CWB)	COPd			7.81		8		8.18	
		Pdh	kW				2.9			
		PERd	%		312.4		319.8		327.2	

(1)Condition: Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C) |

(2)Cooling: EW 12°C; LW 7°C; ambient conditions: 35°CDB |

(3)Cooling: EW 23°C; LW 18°C; ambient conditions: 35°CDB

Technical specifications				EPVX10S18A9W + EPSK06AV3	EPVX10S23A9W + EPSK06AV3	EPVX10S18A9W + EPSK08AV3	EPVX10S23A9W + EPSK08AV3	EPVX10S18A9W + EPSK10AV3	EPVX10S23A9W + EPSK10AV3
Indoor unit				EPVX10S18AJ9W	EPVX10S23AJ9W	EPVX10S18AJ9W	EPVX10S23AJ9W	EPVX10S18AJ9W	EPVX10S23AJ9W
Outdoor unit				EPSK06ARV3		EPSK08ARV3		EPSK10ARV3	
Heating capacity	Nom.		kW	5.81 (1)		7.62 (1)		8.11 (1)	
Cooling capacity	Nom.		kW	6.00 (2) / 6.37 (3)		6.89 (2) / 6.37 (3)		7.84 (2) / 6.37 (3)	
Power input	Heating	Nom.	kW	1.12 (1)		1.52 (1)		1.64 (1)	
	Cooling	Nom.	kW	1.55 (2) / 1.13 (3)		1.85 (2) / 1.13 (3)		2.17 (2) / 1.13 (3)	
	Domestic hot water from 10°C to 50°C	Nom.	kWh	2.35	2.89	2.35	2.89	2.35	2.89
Heat up time from 10°C to 50°C				1h 27min	1h 58min	1h 27min	1h 58min	1h 27min	1h 58min
COP				5.19 (1)		5.01 (1)		4.94 (1)	
EER				3.87 (2) / 5.63 (3)		3.73 (2) / 5.63 (3)		3.62 (2) / 5.63 (3)	
Pump	Nominal ESP	Heating unit	kPa	60.6					

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Technical specifications			EPVX10S18A9W + EPSK06AV3	EPVX10S23A9W + EPSK06AV3	EPVX10S18A9W + EPSK08AV3	EPVX10S23A9W + EPSK08AV3	EPVX10S18A9W + EPSK10AV3	EPVX10S23A9W + EPSK10AV3
General	Supplier/Manufacturer details	Name and address	Daikin Europe N.V. - Zandvoordestraat 300, 8400 Oostende, Belgium					
		Name or trademark	Daikin Europe N.V.					
	Product description	Air-to-water heat pump	Yes					
		Brine-to-water heat pump	No					
		Heat pump combination heater	No					
		Low-temperature heat pump	No					
		Supplementary heater integrated	Yes					
		Water-to-water heat pump	No					
LW(A) Sound power level (according to EN14825)	dB(A)	dB(A)	45					
LW(A) Sound power level (according to EN14825)	dB(A)	dB(A)	45				47	
Sound condition Ecodesign and energy label			Sound power in heating mode, measured according to the EN12102 under conditions of the EN14825. Ecodesign sound level is not representing the maximum sound level of this product					
Space heating general	Other	Capacity control	Inverter					
		Pck (Crankcase heater mode) kW	0					
		Poff (Off mode) kW	0.021					
		Psb (Standby mode) kW	0.021					
		Pto (Thermostat off) kW	0.021					
Domestic hot water heating	General	Declared load profile	L					
Space heating general	Integrated supplementary heater	Psup kW	9					
		Type of energy input	Electrical					
Domestic hot water heating	Average climate	AEC (Annual electricity consumption) kWh	873					
		COPdhw	2.93					
		Heat up time	1h 13min	1h 39min	1h 13min	1h 39min	1h 13min	1h 39min
		Mixed water at 40°C l	203.6	253.3	203.6	253.3	203.6	253.3
		ηwh (water heating efficiency) %	117					
		Qelec (Daily electricity consumption) kWh	3.975					
Domestic hot water heating	Average climate	Reference hot water temperature °C	47	47.4	47	47.4	47	47.4
		Stand-by power input W	42.1					
		Water heating energy efficiency class	A+					
	Cold climate	AEC (Annual electricity consumption) kWh	1,014					
		COPdhw	2.52					
		Heat up time	1h 13min	1h 39min	1h 13min	1h 39min	1h 13min	1h 39min
		Mixed water at 40°C l	203.6	253.3	203.6	253.3	203.6	253.3
		ηwh (water heating efficiency) %	101					
		Qelec (Daily electricity consumption) kWh	4.616					
	Warm climate	Reference hot water temperature °C	47	47.4	47	47.4	47	47.4
		Stand-by power input W	45.9					
		AEC (Annual electricity consumption) kWh	759					
		COPdhw	3.37					
		Heat up time	1h 13min	1h 36min	1h 13min	1h 36min	1h 13min	1h 36min
		Mixed water at 40°C l	203.6	253.3	203.6	253.3	203.6	253.3
		ηwh (water heating efficiency) %	135					
		Qelec (Daily electricity consumption) kWh	3.457					
	Stand-by power input	Reference hot water temperature °C	47	47.4	47	47.4	47	47.4
		Stand-by power input W	38.1					

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Technical specifications				EPVX10S18A9W + EPSK06AV3	EPVX10S23A9W + EPSK06AV3	EPVX10S18A9W + EPSK08AV3	EPVX10S23A9W + EPSK08AV3	EPVX10S18A9W + EPSK10AV3	EPVX10S23A9W + EPSK10AV3
Space heating 	Average climate water outlet 55°C	General	Annual energy consumption	kWh	3,438		3,903		4,363
			ηs (Seasonal space heating efficiency)	%	153		156		158
			Prated at -10°C	kW	6.5		7.5		8.5
			SCOP		3.91		3.97		4.02
			Seasonal space heating eff. class				A+++		
			A Condition (-7°CDB/-8°CWB)				1		
			COPd		2.65		2.64		2.62
			Pdh	kW	5.7		6.6		7.4
			PERd	%	106		105.5		104.9
			B Condition (2°CDB/-1°CWB)				1		
			COPd		3.86		3.92		3.98
			Pdh	kW	3.5		4.1		4.7
			PERd	%	154.4		156.8		159.1
			C Condition (7°CDB/-6°CWB)				1		
			COPd		4.68		4.8		4.93
			Pdh	kW	2.3		2.6		2.9
			PERd	%	187.2		192.1		197
			D Condition (12°CDB/-11°CWB)				1		
			COPd		6.38		6.45		6.52
			Pdh	kW			2.8		
Space heating 	Average climate water outlet 55°C	General	PERd	%	255.1		258		260.8
			Tol (temperature operating limit)		2.38		2.33		2.28
			Pdh	kW	6.2		7.4		8.4
			PERd	%	95.1		93		91.1
			TOL	°C			-10		
			WTOL	°C			55		
			Rated heat output supplementary capacity		0.3		0		
			Tbiv (bivalent temperature)						
			COPd		2.65		2.33		2.28
			Pdh	kW	5.7		7.4		8.4
			PERd	%	106		93		91.1
			Tbiv	°C	-7		-10		
		Cold climate water outlet 55°C	Annual energy consumption	kWh	4,952		5,360		5,968
			ηs (Seasonal space heating efficiency)	%	126		135		137
			Prated at -22°C	kW	6.5		7.5		8.5
			A Condition (-7°CDB/-8°CWB)				1		
			COPd		2.94		2.98		3.01
			Pdh	kW	3.7		4.5		5.2
			PERd	%	117.7		119.1		120.5
			B Condition (2°CDB/-1°CWB)				1		
			COPd		3.79		3.99		4.18
			Pdh	kW	2.3		2.9		3.4
			PERd	%	151.6		159.5		167.4
			C Condition (7°CDB/-6°CWB)				1		
			COPd		5.06		5.09		5.11
			Pdh	kW			2.4		
			PERd	%	202.5		203.4		204.2
			D Condition (12°CDB/-11°CWB)				1		
			COPd		6.72		6.55		6.38
			Pdh	kW			2.9		
			PERd	%	268.9		262		255
			Tol (temperature operating limit)				1.71		
			Pdh	kW	4.5		5.5		
			PERd	%			68.5		
			TOL	°C			-22		
			WTOL	°C			55		
			G Condition (-15°CDB/-)						
			COPd		2.3		2.24		2.19

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Technical specifications				EPVX10S18A9W + EPSK06AV3	EPVX10S23A9W + EPSK06AV3	EPVX10S18A9W + EPSK08AV3	EPVX10S23A9W + EPSK08AV3	EPVX10S18A9W + EPSK10AV3	EPVX10S23A9W + EPSK10AV3
Space heating	Cold climate water outlet 55°C	G Condition (-15°CDB/-)	Pdh	kW	5.4		6.1		6.8
			PERd	%	91.8		89.6		87.4
		Tbiv (bivalent tempera- ture)	COPd		2.3		2.24		2.19
			Pdh	kW	5.4		6.1		6.8
			PERd	%	91.8		89.6		87.4
			Tbiv	°C			-15		
		Rated heat output sup- plementary capacity	Psup (at Tdesign -22°C)	kW	2			3	
Warm climate water outlet 55°C	General	Annual energy consumption		kWh	1,868		2,317		2,491
			ηs (Seasonal space heating efficiency)	%	183		186		179
		Prated at 2°C		kW	6.5		8.2		8.5
	B Condition (2°CDB- B/1°CWB)	CdH (Degradation heating)					1		
			COPd				3.04		
		Pdh		kW			6.1		
			PERd	%			121.5		
	C Condition (7°CDB- B/6°CWB)	CdH (Degradation heating)					1		
			COPd		4.07		4.08		
		Pdh		kW	4.3		5.2		
			PERd	%	162.8		163.3		
	D Condition (12°CDB- B/11°CWB)	CdH (Degradation heating)					1		
			COPd		5.81		5.99		
		Pdh		kW			2.8		
			PERd	%	232.4		239.4		
	Tbiv (bivalent tempera- ture)	COPd			3.43		3.45		3.51
			Pdh	kW	5.6		6.9		7.4
		PERd		%	137		138.1		140.2
			Tbiv	°C			4		
Average climate water outlet 35°C	General	Annual energy consumption		kWh	2,624		3,009		3,408
			ηs (Seasonal space heating efficiency)	%	202		203		
		Prated at -10°C		kW	6.5		7.5		8.5
			SCOP		5.12		5.15		
		Seasonal space heating eff. class					A+++		
	A Condition (-7°CDB- B/-8°CWB)	COPd			3.49		3.4		3.31
			Pdh	kW	5.8		6.7		7.5
		PERd		%	139.7		136.1		132.4
			CdH (Degradation heating)				1		
	B Condition (2°CDB- B/1°CWB)	COPd			5.04		5.06		5.07
			Pdh	kW	3.4		4		4.6

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Technical specifications					EPVX10S18A9W + EPSK06AV3	EPVX10S23A9W + EPSK06AV3	EPVX10S18A9W + EPSK08AV3	EPVX10S23A9W + EPSK08AV3	EPVX10S18A9W + EPSK10AV3	EPVX10S23A9W + EPSK10AV3
Space heating Average climate water outlet 35°C	B Condition (2°CDB- B/1°CWB)	PERd	%		201.5		202.2		203	
		C Condition (7°CDB- B/6°CWB)	Cdh (Degradation heating)			0.9			1	
	C Condition (7°CDB- B/6°CWB)	COPd			6.37		6.43		6.48	
		Pdh	kW		2.5		2.7		2.9	
		PERd	%		254.9		257		259.2	
	D Condition (12°CDB- B/11°CWB)	Cdh (Degradation heating)				0.9				
		COPd			8.15		8.23		8.3	
		Pdh	kW			2.9				
	Tol (tem- perature operating limit)	PERd	%		325.9		329		332.2	
		COPd			3.11		2.97		2.84	
		Pdh	kW		5.8		7.4		8.3	
		PERd	%		124.2		118.6		113.4	
		TOL	°C				-10			
		WTOL	°C				35			
	G Condition (-15°CDB/-)	PERd	%			0				
		Tbiv	COPd		3.49		2.97		2.84	
		Pdh	kW		5.8		7.4		8.3	
	(bivalent tempera- ture)	PERd	%		139.7		118.6		113.4	
		Tbiv	°C		-7		-10			
		Rated heat output sup- plementary capacity	Psup (at Tdesign -10°C)	kW	0.7		0			
	Cold climate water outlet 35°C	General	Annual energy consumption	kWh	3,643		4,304		4,948	
			ηs (Seasonal space heating efficiency)	%	170		169		166	
			Prated at -22°C	kW	6.4		7.5		8.5	
	A Condition (-7°CDB- B/-8°CWB)	COPd			3.86		3.84		3.83	
		Pdh	kW		4.2		4.6		5	
		PERd	%		154.4		153.7		153.1	
	B Condition (2°CDB- B/1°CWB)	Cdh (Degradation heating)				1				
		COPd			5.04		4.94		4.84	
		Pdh	kW		2.5		2.9		3.2	
	C Condition (7°CDB- B/6°CWB)	PERd	%		201.4		197.4		193.8	
		Cdh (Degradation heating)				0.9				
		COPd			6.34		6.43		6.47	
	D Condition (12°CDB- B/11°CWB)	Pdh	kW			2.5				
		PERd	%		253.6		257.3		258.8	
		Cdh (Degradation heating)				0.9				
		COPd			7.71		7.85		7.98	
		Pdh	kW			2.9				

2 Specifications

2 - 1 Specifications

2

Technical specifications					EPVX10S18A9W + EPSK06AV3	EPVX10S23A9W + EPSK06AV3	EPVX10S18A9W + EPSK08AV3	EPVX10S23A9W + EPSK08AV3	EPVX10S18A9W + EPSK10AV3	EPVX10S23A9W + EPSK10AV3
Space heating 	Cold climate water outlet 35°C	D Condition (12°CDB- B/11°CWB)	PERd	%	308.4		314.2		319.3	
		Tol (tem- perature operating limit)	COPd				2.18			
			Pdh	kW	4.2		5.1			
			PERd	%	87.1		87			
			TOL	°C			-22			
			WTOL	°C			35			
		G Condition (-15°CDB/-)	COPd		2.87		2.75		2.65	
			Pdh	kW	5.1		6		6.9	
			PERd	%	114.8		110.1		105.8	
		Tbiv (bivalent tempera- ture)	COPd		2.87		2.75		2.65	
			Pdh	kW	5.1		6		6.9	
			PERd	%	114.8		110.1		105.8	
			Tbiv	°C			-15			
	Warm climate water outlet 35°C	Rated heat output sup- plementary capacity	Psup (at Tdesign -22°C)	kW	2.2		2.4		3.4	
		General	Annual energy consumption	kWh	1,364		1,561		1,755	
			ηs (Seasonal space heating efficiency)	%	252		254		256	
			Prated at 2°C	kW	6.5		7.5		8.5	
		B Condition (2°CDB- B/1°CWB)	Cdh (Degradation heating)				1			
			COPd				4.39			
			Pdh	kW			5.2			
			PERd	%			175.4			
		C Condition (7°CDB- B/6°CWB)	Cdh (Degradation heating)				1			
			COPd		5.88		5.86		5.84	
			Pdh	kW	4.1		5		5.9	
			PERd	%	235.4		234.6		233.7	
		Tbiv (bivalent tempera- ture)	COPd		4.85		4.79		4.72	
			Pdh	kW	5.5		6.3		7.1	
			PERd	%	194.2		191.4		188.7	
			Tbiv	°C			4			
		D Condition (12°CDB- B/11°CWB)	Cdh (Degradation heating)				0.9			
			COPd		7.81		8		8.18	
			Pdh	kW			2.9			
			PERd	%	312.4		319.8		327.2	

(1)Condition: Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C) |

(2)Cooling: EW 12°C; LW 7°C; ambient conditions: 35°CDB |

(3)Cooling: EW 23°C; LW 18°C; ambient conditions: 35°CDB

Technical Specifications					EPSK06AV3	EPSK08AV3	EPSK10AV3
Casing	Colour					Silver / Black	
	Material					Polyester painted galvanised steel plate	
Dimensions	Unit	Height	mm		1,123		
		Width	mm		1,330		
		Depth	mm		604		
	Packed unit	Height	mm		1,320		
		Width	mm		1,445		
		Depth	mm		775		
Weight	Unit		kg		174		
	Packed unit		kg		205		
Packing	Material					Carton / Wood (pallet) / PE (Straps)	
	Weight		kg		31.5		
Heat exchanger	Length		mm		1,210		
	Rows	Quantity			1		
	Fin pitch		mm		2.6		
	Passes	Quantity			6		
	Face area		m ²		1.29		
	Stages	Quantity			88		
	Tube type				Microchannel ..		
	Fin	Type			WF & Slit fin ..		
		Treatment			High Corrosion Resistant		
Fan	Type				Propeller fan		
	Quantity				1		
	Air flow rate	Heating	High	m ³ /min	75.7		
		Cooling	High	m ³ /min	75.7		
	Discharge direction				Horizontal		

2 Specifications

2 - 1 Specifications

Technical Specifications					EPSK06AV3	EPSK08AV3	EPSK10AV3
Fan motor	Quantity				1		
	Model				Brushless DC motor		
	Output W				68		
	Drive				Direct drive		
	Speed	Steps			12		
		Heating	Nom.	rpm	415		
Cooling		Nom.	rpm	415			
Compressor	Quantity				1		
	Type				Hermetically sealed scroll compressor		
	Starting method				Inverter driven		
PED	Category				Category II		
Operation range	Heating	Min.	°CDB		-28		
		Max.	°CDB		25		
	Cooling	Min.	°CDB		10		
		Max.	°CDB		43		
	Domestic hot water	Max.	°CDB		40		
		Min.	°CDB		-28		
PED	Most critical part	Name		Compressor			
	Ps*V	Bar*I		133			
Piping connections	inch			in			
	inch			in			
Sound power level	Heating	Nom.	dBA		45 (1)		47 (1)
	Cooling	Nom.	dBA		52.2 (2)	53 (2)	53.2 (2)
Sound pressure level	Heating	Nom.	dBA		32.6 (1)		32.8 (1)
	Cooling	Nom.	dBA		36.9 (2)		37.3 (2)
	Night quiet mode	Heating	dBA		29.5 (1)		30 (1)
		Cooling	dBA		30.8 (2)		33 (1)
Refrigerant	Type				R-290		
	GWP				3		
	Charge kg				1		
	Control				Expansion valve		
	Circuits	Quantity			1		
Refrigerant oil	Type				Refer to the name plate of the compressor		
	Charged volume l				1.1		
Piping connections	Piping length	OU - IU	Max.	m	20 (3) / 30 (4)		
	High pres- sure side	Design pressure			bar		
	Level difference	IU - OU	Max.	m	10		
	Water circuit Filter ball valve				Yes		
	Defrost method					Reversed cycle	
Defrost control					Sensor for outdoor heat exchanger temperature		
Capacity control	Method				Inverter controlled		
Safety devices	Item	01			High pressure switch		
		02			Fuse		

Electrical Specifications					EPSK06AV3	EPSK08AV3	EPSK10AV3
Power supply	Name				V3		
	Phase				1~		
	Frequency Hz				50		
	Voltage V				230		
	Voltage range	Min.	%		-10	-	
		cos phi	Nom.		0.9		
			Max.		0.99		
Current	Max.		%		10	-	
	kVa		kVA		Equipment complying with EN / IEC 61000-3-12		
	Recommended fuses		A		25		
	Inverter modulation	Min.	%		40	35	30
Wiring connections	For power supply	Remark			See installation manual outdoor unit		
	For connection with indoor	Remark			See installation manual indoor unit		

(1) Measured at LWC 47-55°C ; Ta DB/WB 7°C/6°C. |

(2) Measured at LWC 12-7°C ; Ta 35°C. |

(3) 1 1/4" field piping |

(4) 1 1/2" field piping

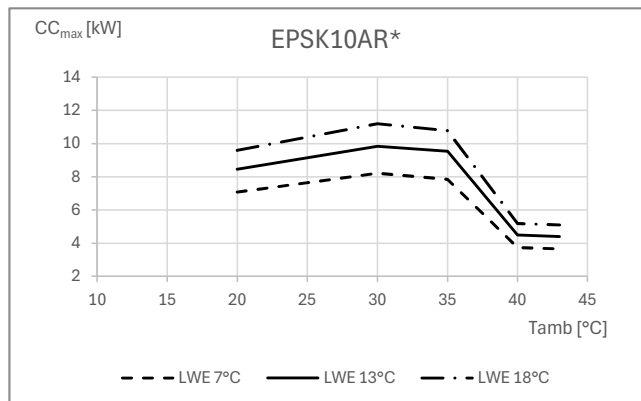
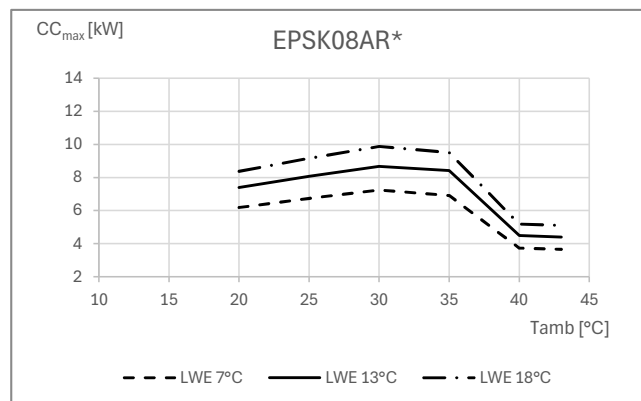
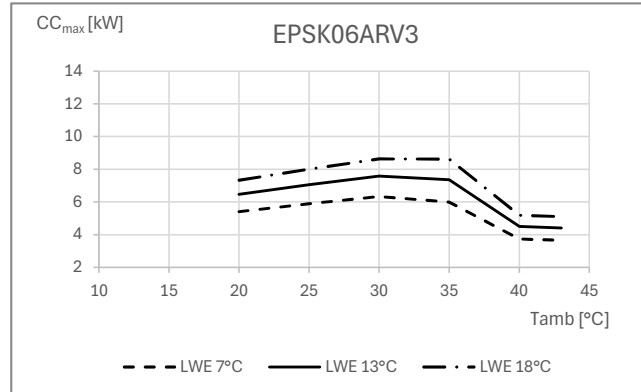
3 Capacity graphs

3 - 1 Cooling Capacity Graphs

EPSK06-10AV3

EPSK08-10AW1

Maximum cooling capacity



Symbols

CC _{max}	Cooling capacity at maximum operating frequency, measured according to EN 14511.
LWE	Leaving water evaporator temperature [°C]
Tamb	Ambient temperature [°C DB]

Conditions

Cooling capacity

Capacity according to standard EN 14511 and valid for chilled water range $\Delta T = 3 \sim 8^\circ\text{C}$.

Notes

The capacity and power input is valid for -V3- models at -230-V and for -W1- models at -400-V.

The capacity and the power input are at maximum operation.

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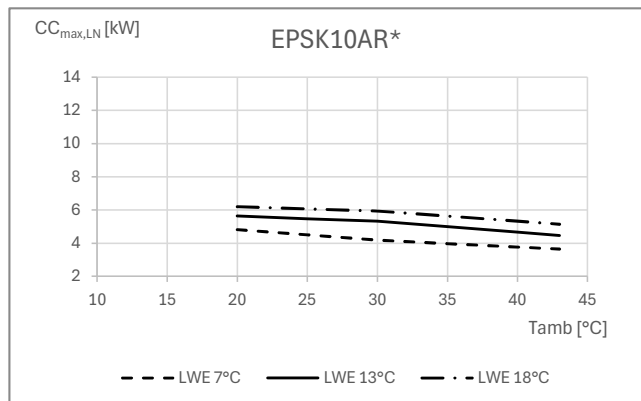
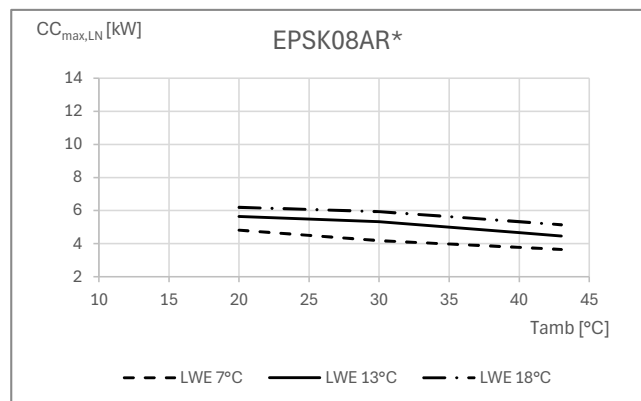
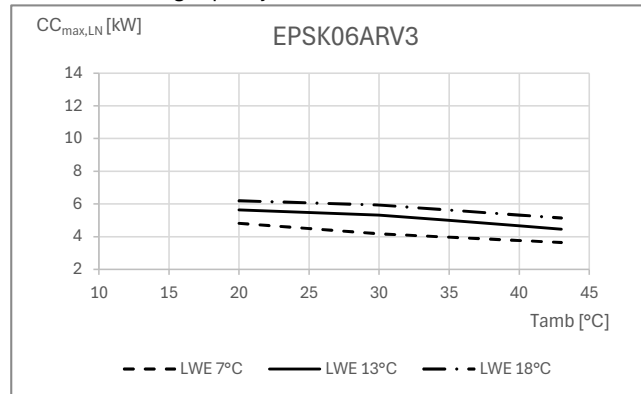
3 Capacity graphs

3 - 2 Cooling Capacity Graphs - quiet mode

EPSK06-10AV3

EPSK08-10AW1

Maximum cooling capacity



Symbols

CC _{max,LN}	Cooling capacity at maximum operating frequency, measured according to EN 14511.
LWE	Leaving water evaporator temperature [°C]
Tamb	Ambient temperature [°C DB]

Conditions

Cooling capacity

Capacity according to standard EN 14511 and valid for chilled water range $\Delta T = 3\sim 8^\circ\text{C}$.

Notes

The capacity and power input is valid for -V3- models at -230-V and for for -W1- models at -400-V.

The capacity and the power input are at maximum operation.

Low noise level -2-

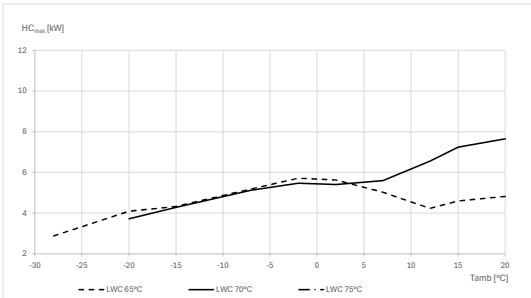
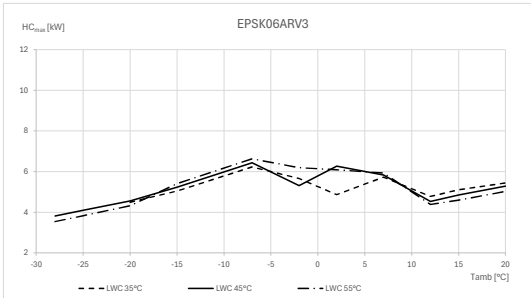
4D155526

3 Capacity graphs

3 - 3 Heating Capacity Graphs

EPSK06AV3

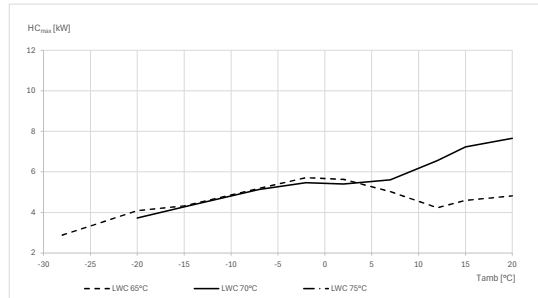
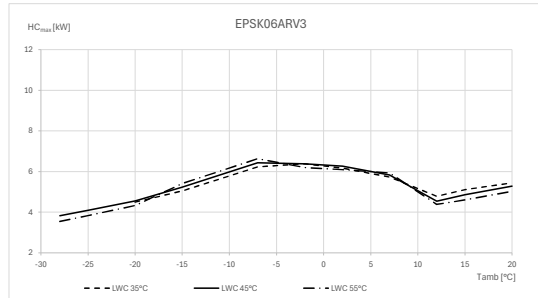
Maximum heating capacity - integrated value



Symbols

HC_{max} Heating capacity for maximum load, measured according to EN 14511
LWC Leaving water condensor temperature [°C]
Tamb Ambient temperature [°C DB]

Maximum heating capacity - peak values



Conditions

Heating capacity

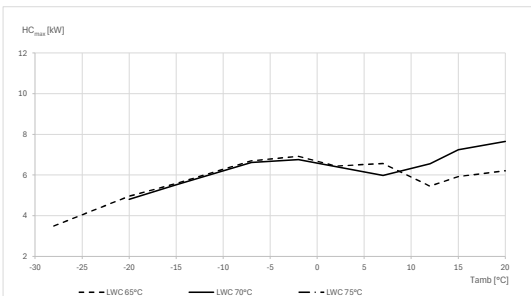
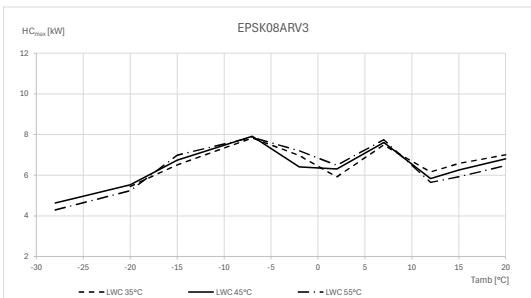
Notes

The capacity and power input is valid for -V3- models at -230-V and for -W1- models at -400-V.
The capacity and the power input are at maximum operation.

4D155523A

EPSK08AV3

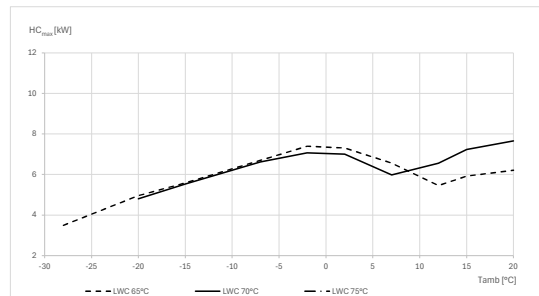
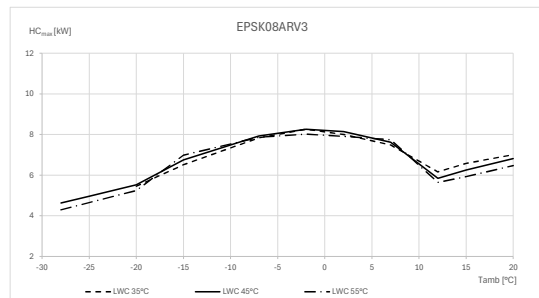
Maximum heating capacity - integrated value



Symbols

HC_{max} Heating capacity for maximum load, measured according to EN 14511
LWC Leaving water condensor temperature [°C]
Tamb Ambient temperature [°C DB]

Maximum heating capacity - peak values



Conditions

Heating capacity

Notes

The capacity and power input is valid for -V3- models at -230-V and for -W1- models at -400-V.
The capacity and the power input are at maximum operation.

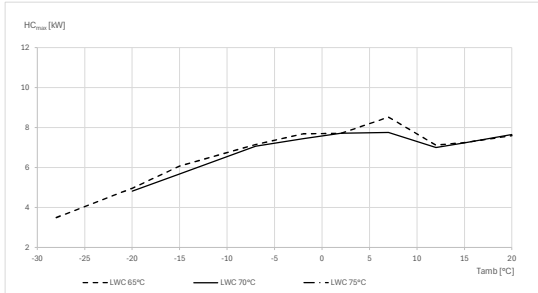
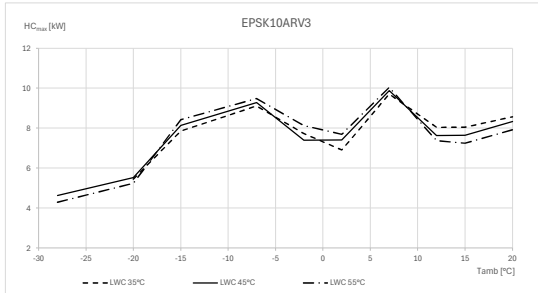
4D155523A

3 Capacity graphs

3 - 3 Heating Capacity Graphs

EPSK10AV3

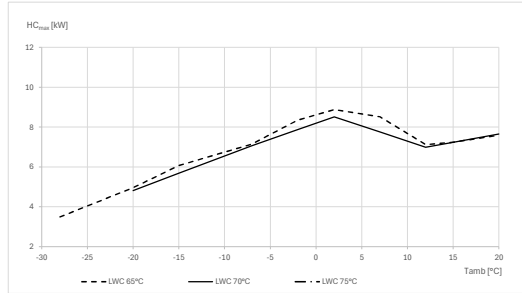
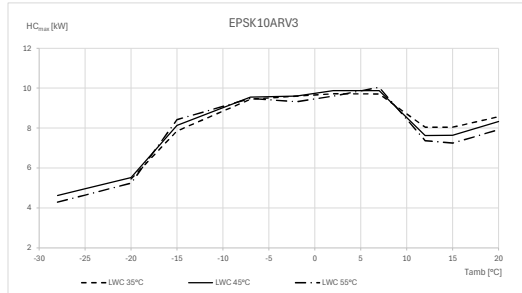
Maximum heating capacity - integrated value



Symbols

HC_{max} Heating capacity for maximum load, measured according to EN 14511
 LWC Leaving water condensor temperature [°C]
 Tamb Ambient temperature [°C DB]

Maximum heating capacity - peak values



Conditions

Heating capacity

Notes

The capacity and power input is valid for -V3- models at -230-V and for -W1- models at -400-V.
 The capacity and the power input are at maximum operation.

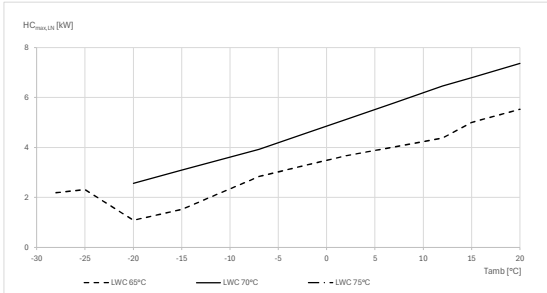
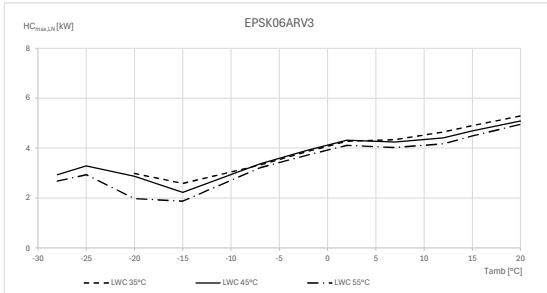
4D155523

3 Capacity graphs

3 - 4 Heating Capacity Graphs - quiet mode

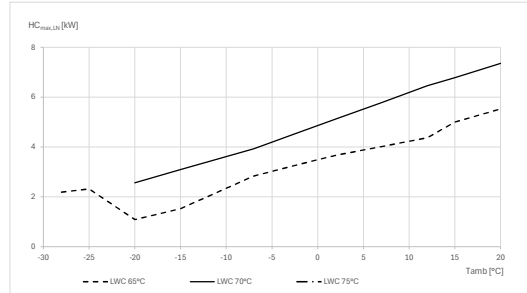
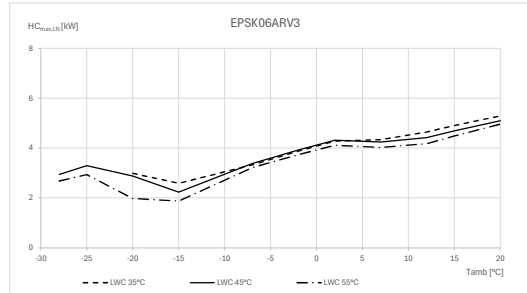
EPSK06AV3

Maximum heating capacity - integrated value



Symbols
 $HC_{max,IN}$ Heating capacity for maximum load, measured according to EN 14511
 LWC Leaving water condensor temperature [°C]
 Tamb Ambient temperature [°C DB]

Maximum heating capacity - peak values

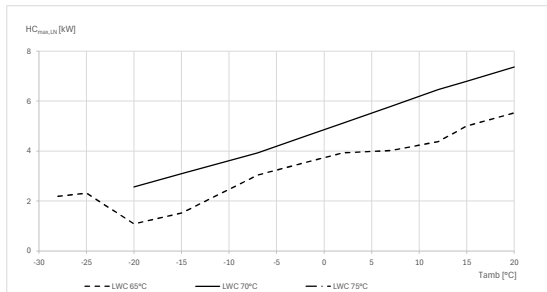
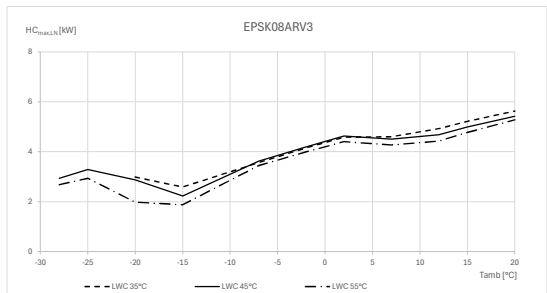


Conditions
Heating capacity
Notes
 The capacity and power input is valid for -V3- models at -230-V and for -W1- models at -400-V.
 The capacity and the power input are at maximum operation.
 Low noise level -2-

4D155524

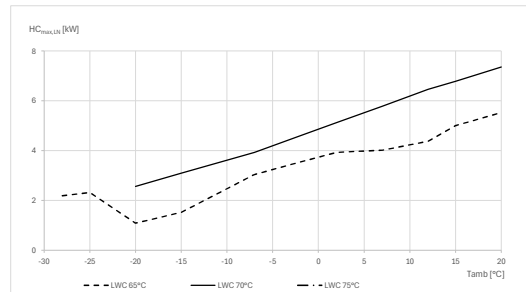
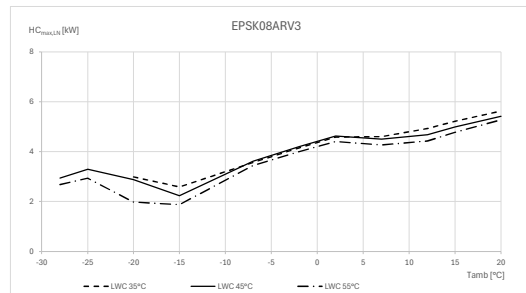
EPSK08AV3

Maximum heating capacity - integrated value



Symbols
 $HC_{max,IN}$ Heating capacity for maximum load, measured according to EN 14511
 LWC Leaving water condensor temperature [°C]
 Tamb Ambient temperature [°C DB]

Maximum heating capacity - peak values



Conditions
Heating capacity
Notes
 The capacity and power input is valid for -V3- models at -230-V and for -W1- models at -400-V.
 The capacity and the power input are at maximum operation.
 Low noise level -2-

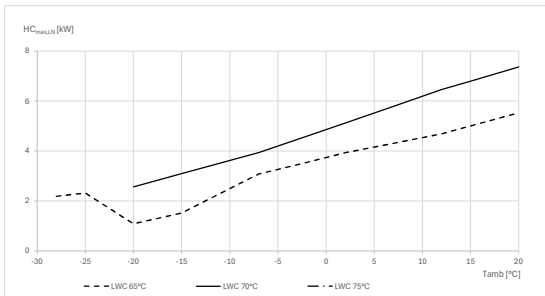
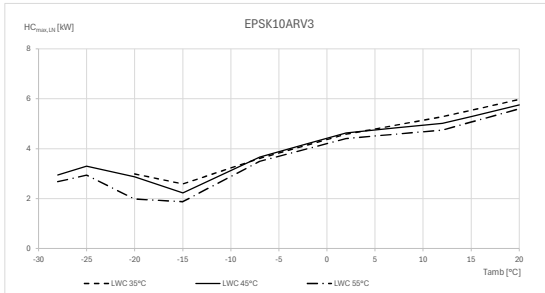
4D155524

3 Capacity graphs

3 - 4 Heating Capacity Graphs - quiet mode

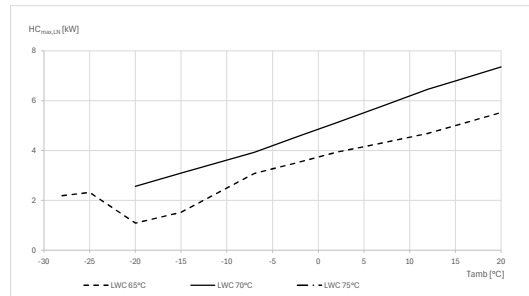
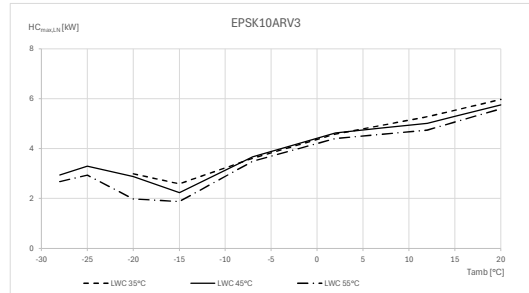
EPSK10AV3

Maximum heating capacity - integrated value



Symbols
 $HC_{max,LN}$ Heating capacity for maximum load, measured according to EN 14511
 LWC Leaving water condensor temperature [°C]
 Tamb Ambient temperature [°C DB]

Maximum heating capacity - peak values



Conditions
Heating capacity
Notes
 The capacity and power input is valid for -V3- models at 230-V and for -W1- models at 400-V.
 The capacity and the power input are at maximum operation.
 Low noise level -2-

4D155524

Capacity tables

4 - 1 Certification Programs

4

EPSK06-10AV3

EPSK08-10AW1

EPSK12-14AW1

Rated data for certification programmes - heating mode

Tamb [°C]	EWL [°C]	LWC [°C]	EPSK06ARV3 HC [kW]	COP	EPSK08ARV3 HC [kW]	COP	EPSK10ARV3 HC [kW]	COP	EPSK12ARV3 HC [kW]	COP	EPSK14ARV3 HC [kW]	COP	Used for:
7/6	30	35	5,81	5,19	7,62	5,01	8,11	4,94	8,11	4,94	10,24	5,00	Keymark, EHPA
2/1	(30)	35	5,39	4,46	5,39	4,46	5,39	4,46	5,39	4,46	6,11	4,06	EN14511
-7/8	(30)	35	6,23	3,38	7,06	3,32	9,11	2,85	10,52	3,49	10,52	3,49	General
7/6	40	45	5,83	4,15	7,66	4,10	7,66	4,10	8,19	4,06	10,22	4,31	General
2/1	(40)	45	5,31	3,75	6,41	3,65	7,44	3,43	7,44	3,43	10,77	3,93	EN14511
7/6	47	55	6,08	3,46	7,85	3,42	7,85	3,42	8,40	3,41	10,81	3,60	Keymark, EHPA

Rated data for certification programmes - cooling mode

Tamb [°C]	EWL [°C]	LWE [°C]	EPSK06ARV3 CC [kW]	EER	EPSK08ARV3 CC [kW]	EER	EPSK10ARV3 CC [kW]	EER	EPSK12ARV3 CC [kW]	EER	EPSK14ARV3 CC [kW]	EER	Used for:
35	23	18	6,37	5,83	6,37	5,83	6,37	5,83	6,37	5,83	6,74	6,02	General
35	12	7	6,00	3,87	6,89	3,73	6,89	3,73	7,84	3,62	9,37	3,55	EN14511

Nominal cooling capacity

Tamb [°C]	EWL [°C]	LWE [°C]	EPSK06ARV3 CC [kW]	EER	EPSK08ARV3 CC [kW]	EER	EPSK10ARV3 CC [kW]	EER	EPSK12ARV3 CC [kW]	EER	EPSK14ARV3 CC [kW]	EER	Used for:
35	23	18	6,37	5,83	6,37	5,83	6,37	5,83	6,37	5,83	6,74	6,02	General
35	12	7	6,00	3,87	6,89	3,73	6,89	3,73	7,84	3,62	9,37	3,55	EN14511

Seasonal data - cooling

Tamb [°C]	EWL [°C]	LWE [°C]	EPSK06ARV3 CC [kW]	EER	EPSK08ARV3 CC [kW]	EER	EPSK10ARV3 CC [kW]	EER	EPSK12ARV3 CC [kW]	EER	EPSK14ARV3 CC [kW]	EER	Used for:
35	23	18	6,37	5,83	6,37	5,83	6,37	5,83	6,37	5,83	6,74	6,02	General
35	12	7	6,00	3,87	6,89	3,73	6,89	3,73	7,84	3,62	9,37	3,55	EN14511

Rated data for certification programmes - domestic hot water performance

Indoor unit	EPSK06ARV3	EPSK08ARV3	EPSK10ARV3	EPSK12ARV3	EPSK14ARV3	Used for:
Application	Average climate	Average climate	Average climate	Average climate	Average climate	
Domestic hot water tank volume [l]	180	220	220	220	220	
Tapping pattern	L	L	L	L	L	
Heat-up time (h:min:sec)	1:13:41	1:08:50	1:08:50	1:08:50	1:08:50	
P _{wh} [kW]	42,1	43,9	43,9	43,9	43,9	
P _{wh} [W]	204	204	204	204	204	
P _{wh} [W]	117,28	116,26	121,24	117,28	116,26	
COP _{wh} [l]	2,89	2,91	3,09	2,89	2,89	

Symbols

HC Heating capacity measured according to EN 14511
CC Cooling capacity, measured according to EN 14511
COP/EER Coefficient of Performance/Energy efficiency ratio according to EN 14511
EWL Entering water condenser temperature [°C]
LWC Leaving water condenser temperature [°C]
EWE Entering water evaporator temperature [°C]

LWE Leaving water evaporator temperature [°C]
Tamb Ambient temperature [°C DB/WB]
P_{wh} Reference
P_{wh} Standby power input
V_{wh} Equivalent domestic hot water volume [l]
P_{wh} Efficiency [%]
COP_{wh} Domestic hot water COP

Domestic hot water temperature [°C]
Domestic hot water heating mode

According to EN14511
According to EN14511
According to EN14511

4D155514

EPSK06-10AV3

EPSK08-10AW1

EPSK12-14AW1

Rated data for certification programmes - heating mode

Measured according to - UNI/TS 11300-

Condition	Tamb [°C]	LWC [°C]	PLR [%]	EPSK06ARV3 HC [kW]	COP	EPSK08ARV3 HC [kW]	COP	EPSK10ARV3 HC [kW]	COP	EPSK12ARV3 HC [kW]	COP	EPSK14ARV3 HC [kW]	COP
A	-7/-8	34	100	6,22	3,45	7,94	3,22	7,94	3,22	8,51	2,82	8,51	2,82
B	2/1	30	100	4,88	3,96	5,94	3,62	5,94	3,62	6,94	3,47	6,94	3,47
C	7/6	27	100	5,91	6,48	7,55	5,82	7,55	5,82	9,64	5,39	9,64	5,39
D	12/11	24	100	6,96	8,58	6,96	8,58	6,96	8,58	8,36	7,80	8,36	7,80
A	-7/-8	52	100	6,47	2,60	8,18	2,46	8,18	2,46	9,76	2,38	9,76	2,38
B	2/1	42	100	4,44	2,99	5,89	3,00	5,89	3,00	7,25	3,00	7,25	3,00
C	7/6	36	100	5,95	5,22	7,65	4,90	7,65	4,90	9,81	4,68	9,81	4,68
D	12/11	30	100	4,87	7,53	6,30	7,14	6,30	7,14	8,25	6,85	8,25	6,85

Rated data for certification programmes - cooling mode

Measured according to - UNI/TS 11300-

Condition	Tamb [°C]	LWE [°C]	PLR [%]	EPSK06ARV3 CC [kW]	EER	EPSK08ARV3 CC [kW]	EER	EPSK10ARV3 CC [kW]	EER	EPSK12ARV3 CC [kW]	EER	EPSK14ARV3 CC [kW]	EER
A	35	18	100	8,61	5,53	9,67	5,10	9,67	5,10	10,78	4,79	10,78	4,79
B	30	18	75	6,24	7,15	7,64	6,83	7,64	6,83	8,46	6,70	8,46	6,70
C	25	18	50	4,45	9,86	4,79	9,74	4,79	9,74	5,67	9,50	5,67	9,50
D	20	18	25	3,37	12,25	3,37	12,25	3,37	12,25	3,37	12,25	3,37	12,25
A	35	7	100	6,00	3,87	6,91	3,76	6,91	3,76	7,84	3,62	7,84	3,62
B	30	7	75	4,39	4,96	4,97	4,77	4,97	4,77	5,66	4,62	5,66	4,62
C	25	7	50	2,93	6,01	3,39	5,97	3,39	5,97	4,11	5,93	4,11	5,93
D	20	7	25	6,54	5,90	6,54	5,90	6,54	5,90	6,54	5,90	6,54	5,90

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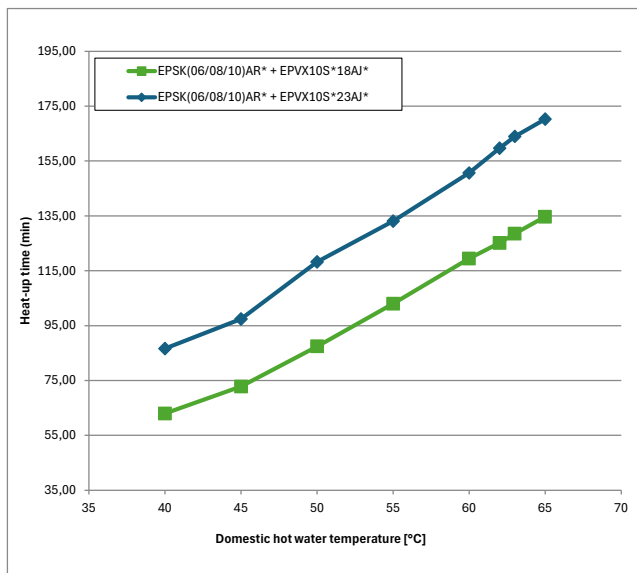
4 Capacity tables

4 - 2 Domestic Hot Water performance

EPSK06-10AV3

EPSK08-10AW1

Heat-up time



Model name	Heat-up time domestic hot water tank until 45°C
EPSK(06/08/10)AR* + EPVX10S*18AJ*	~73 min.
EPSK(06/08/10)AR* + EPVX10S*23AJ*	~97 min.

Notes

- Time the indoor unit (heat pump only operation) requires to heat up the domestic hot water tank from 10°C to the indicated temperature.
See the operation range for maximum domestic hot water tank temperature during heat pump only operation.

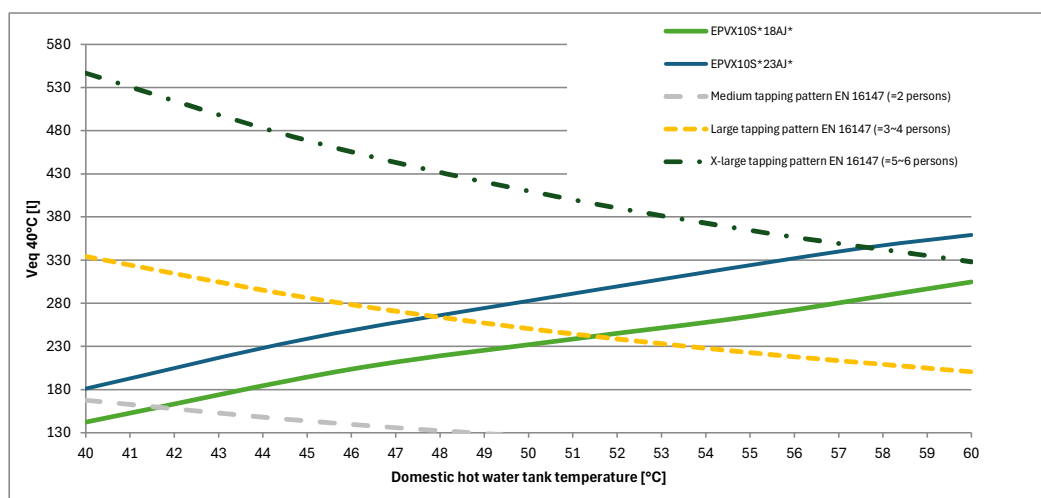
4D155521

EPSK06-10AV3

EPSK08-10AW1

Selection guide for the domestic hot water tank volume

Ve_q 40°C = the amount of water with a temperature of 40°C that can be tapped when the domestic hot water tank is heated to a certain temperature, and the temperature of the cold inlet water is 10°C.



If a higher daily Ve_q 40°C is required, then additional heat-up cycles are required within 24 hours.
See the operation manual for more information.

4D155521

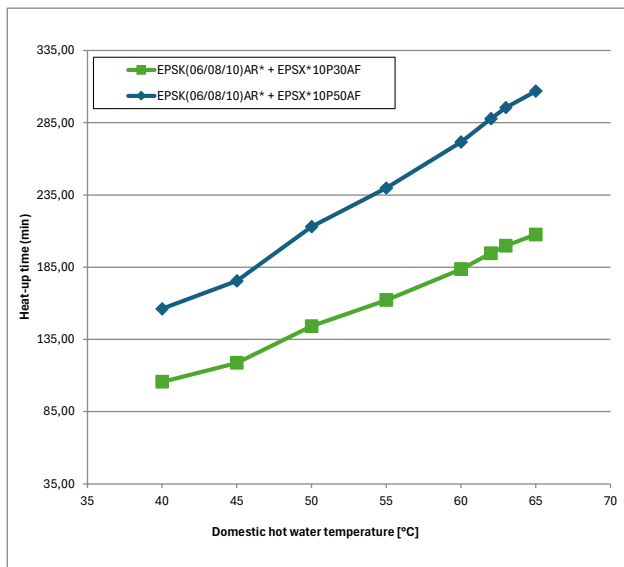
4 Capacity tables

4 - 2 Domestic Hot Water performance

EPSK06-10AV3

EPSK08-10AW1

Heat-up times



Model name	Heat-up time domestic hot water tank until 45°C
EPSK(06/08/10)AR* + EPSX*10P30AF	119 min.
EPSK(06/08/10)AR* + EPSX*10P50AF	175 min.

Notes

- Time the indoor unit (heat pump only operation) requires to heat up the domestic hot water tank from 10°C to the indicated temperature.
See the operation range for maximum domestic hot water tank temperature during heat pump only operation.

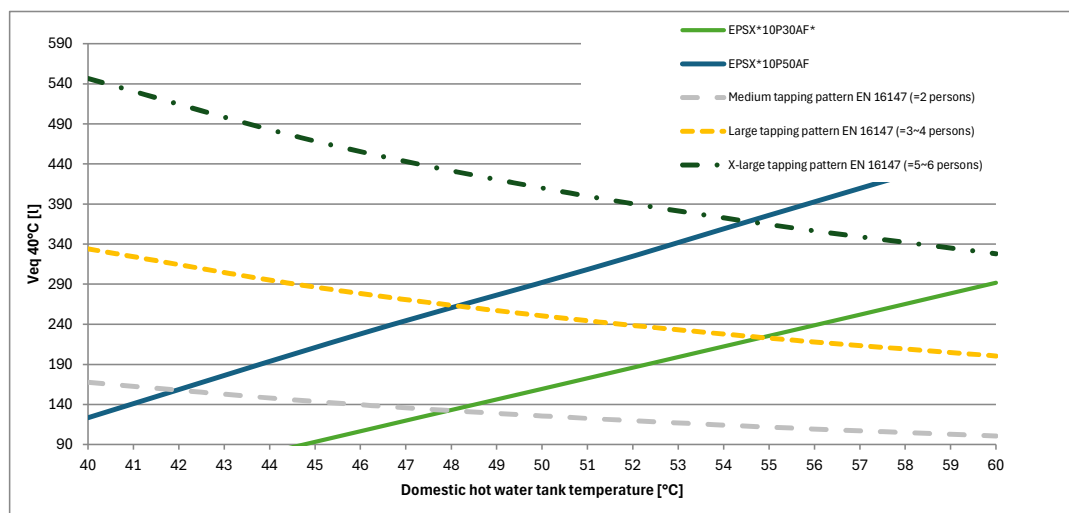
4D155521

EPSK06-10AV3

EPSK08-10AW1

Selection guide for the domestic hot water tank volume

Veq 40°C = the amount of water with a temperature of 40°C that can be tapped when the domestic hot water tank is heated to a certain temperature, and the temperature of the cold inlet water is 10°C.



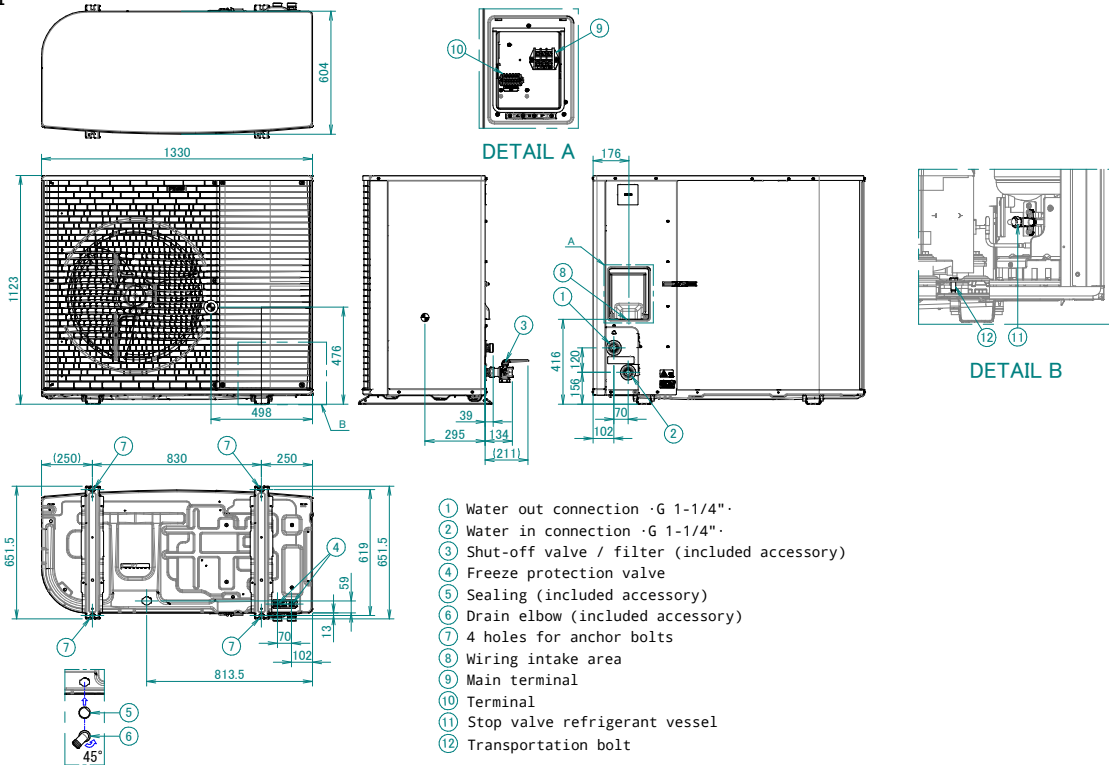
If a higher daily Veq 40°C is required, then additional heat-up cycles are required within 24 hours.
See the operation manual for more information.

4D155521

5 Dimensional drawings

5 - 1 Dimensional Drawings

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

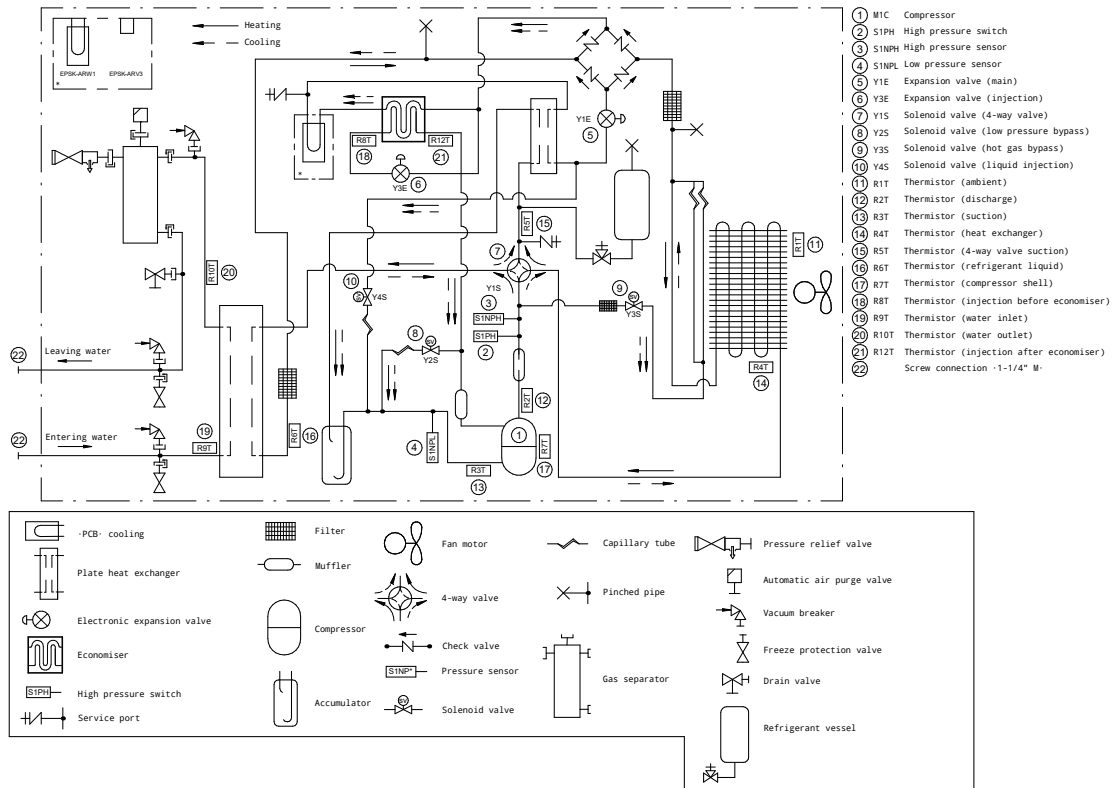


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6 Piping diagrams

6 - 1 Piping Diagrams

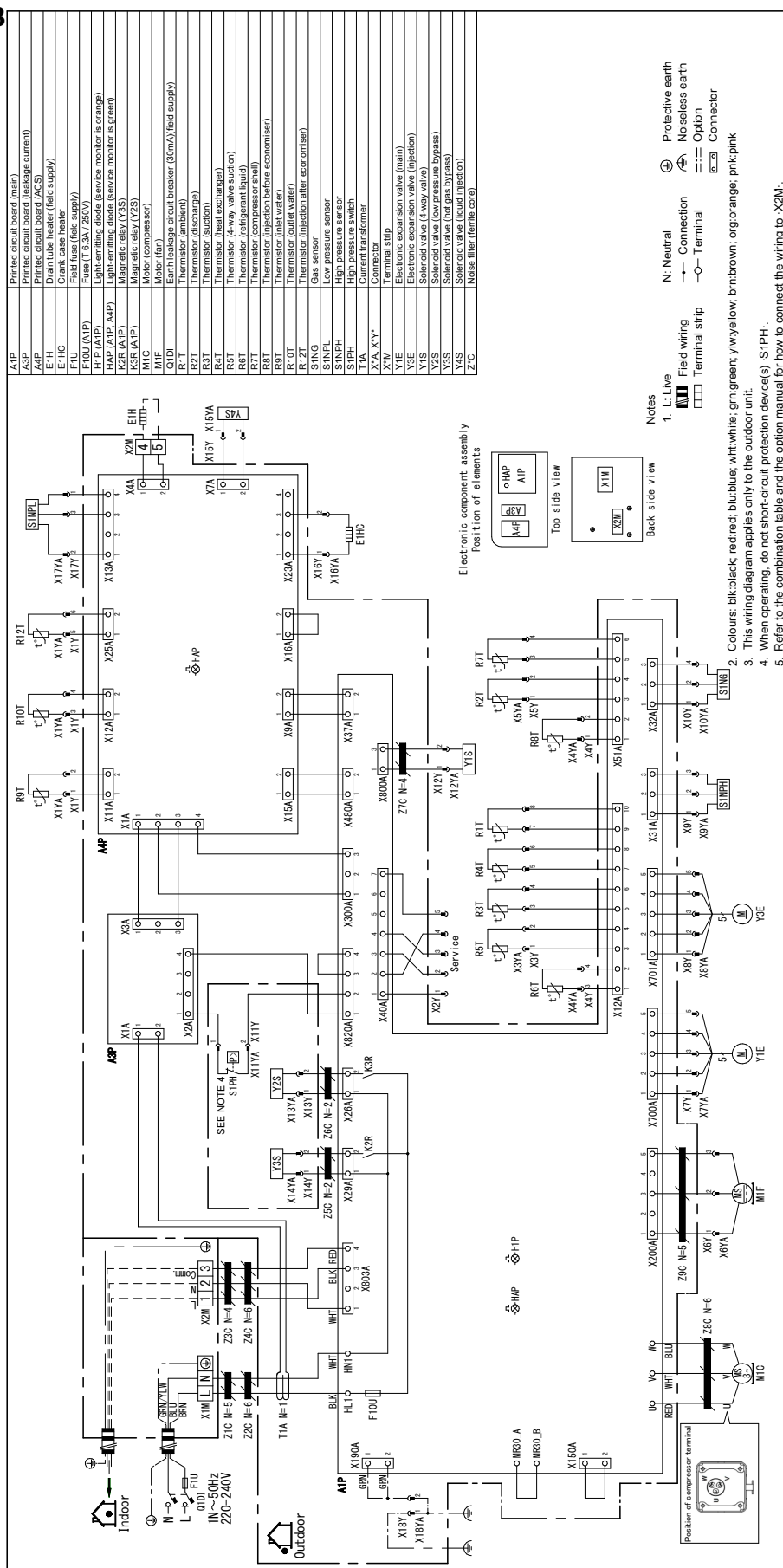
EPSK06-10AV3
EPSK08-10AW1
EPSK12-14AW1



3D150154B

7 Wiring diagrams

7 - 1 Wiring Diagrams - Single Phase

EPSK06-10AV3

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8 Sound data

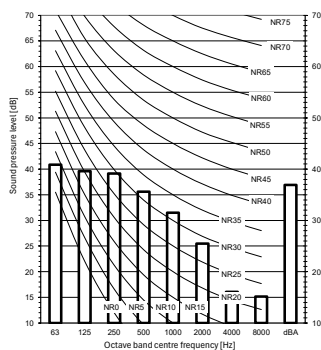
8 - 1 Sound Pressure Spectrum - Cooling

EPSK06-10AV3

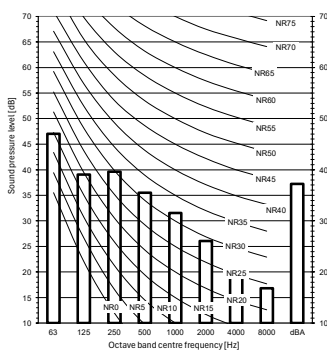
EPSK08-10AW1

Sound pressure [dBa]
Cooling operation
Normal mode

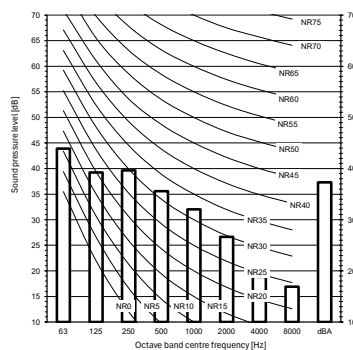
EPSK06ARV3



EPSK08AR*

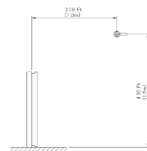


EPSK10AR*



Notes

1. Data is valid at free field condition.
Measured in a semi-anechoic chamber.
2. Data is valid at nominal operation condition.
3. dBA = A-weighted sound pressure level (A scale according to IEC).
4. Reference acoustic pressure 0 dB = 20 μ Pa
5. If the sound is measured under actual installation conditions, the measured value will be higher due to environmental noise and sound reflections.



Measuring location (discharge side)

	Sound pressure [dBa]		
	1m	3m	5m
EPSK06ARV3	36.9	27.3	22.9
EPSK08AR*	37.2	27.7	23.2
EPSK10AR*	37.3	27.8	23.4

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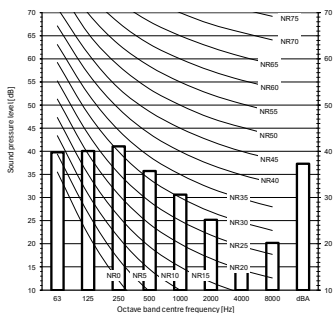
8 Sound data

8 - 2 Sound Pressure Spectrum - Heating

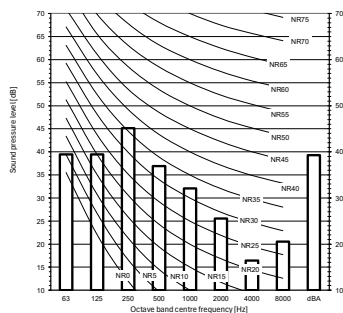
EPSK06-10AV3 EPSK08-10AW1

Sound pressure [dBa]
Heating operation
Normal mode

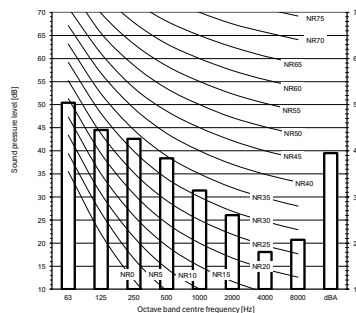
EPSK06ARV3



EPSK08AR*

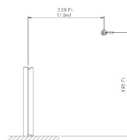


EPSK10AR*



Notes

1. Data is valid at free field condition.
2. Measured in a semi-anechoic chamber.
3. Data is valid at nominal operation condition.
4. dBA = A-weighted sound pressure level (A scale according to IEC).
5. Reference acoustic pressure 0 dB = 20 µPa
6. If the sound is measured under actual installation conditions, the measured value will be higher due to environmental noise and sound reflections.



Measuring location (discharge side)

		Maximum sound day			Maximum sound night		
		Sound Power Level [dBA]			Sound Power Level [dBA]		
Maximum sound day	Maximum sound night	EPSK06ARV3	EPSK08AR*	EPSK10AR*	EPSK06ARV3	EPSK08AR*	EPSK10AR*
Default	Low noise level -2	56	57	59	47	48	50

(Full load (maximum fan rpm and maximum compressor rpm for the dedicated low noise mode))

	Sound pressure [dBa]		
	1m	3m	5m
EPSK06ARV3	37.3	27.7	23.3
EPSK08AR*	39.3	29.7	25.3
EPSK10AR*	39.5	30.0	25.6

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8 Sound data

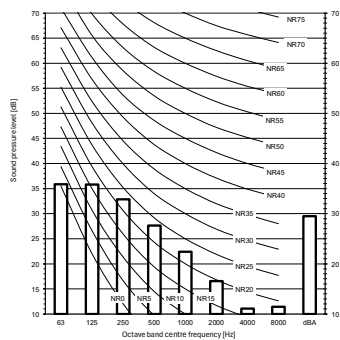
8 - 3 Sound Pressure Spectrum Quiet Mode

EPSK06-10AV3 EPSK08-12AW1

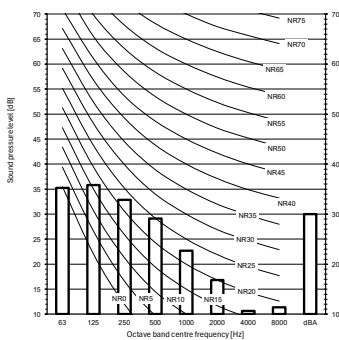
8

Sound pressure [dBa]
Heating operation
Quiet mode

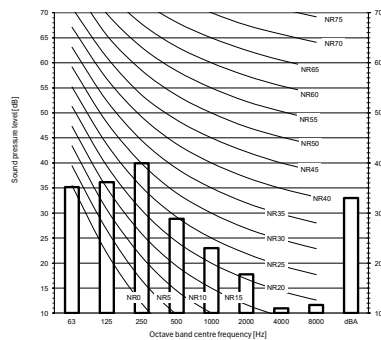
EPSK06ARV3



EPSK08AR*

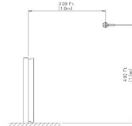


EPSK10AR*



Notes

1. Data is valid at free field condition.
Measured in a semi-anechoic chamber
2. Data is valid at nominal operation condition.
3. dBA = A-weighted sound pressure level (A scale according to IEC).
4. Reference acoustic pressure 0 dB = 20 µPa
5. If the sound is measured under actual installation conditions, the measured value will be higher due to environmental noise and sound reflections.



Measuring location (discharge side)

Maximum sound day	Maximum sound night	Maximum sound day			Maximum sound night		
		Sound Power Level [dBA]			Sound Power Level [dBA]		
		EPSK06ARV3	EPSK08AR*	EPSK10AR*	EPSK06ARV3	EPSK08AR*	EPSK10AR*
Default	Low noise level -2	56	57	59	47	48	50

Full load (maximum fan rps and maximum compressor rps for the dedicated low noise mode)

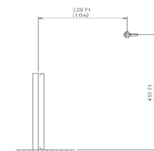
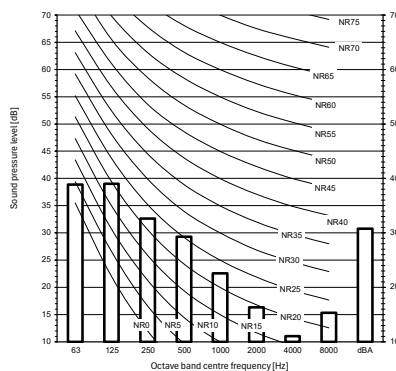
	Sound pressure [dBA]		
	1m	3m	5m
EPSK06ARV3	29.5	20.0	15.6
EPSK08AR*	30.0	20.5	16.1
EPSK10AR*	33.0	23.5	19.1

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EPSK06-10AV3 EPSK08-10AW1

Sound pressure [dBA]
Cooling operation
Quiet mode

EPSK06ARV3/EPK08AR*/EPK10AR*



Measuring location (discharge side)

	Sound pressure [dBA]		
	1m	3m	5m
EPSK06ARV3	30.8	21.3	16.8
EPSK08AR*	30.8	21.3	16.8
EPSK10AR*	30.8	21.3	16.8

3D155517

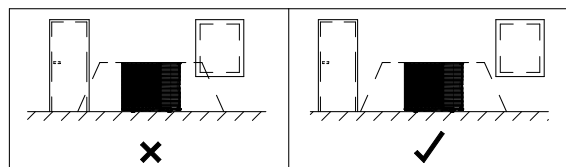
9 Installation

9 - 1 Installation Method

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

9

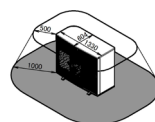
Protective zone in front of a building	
Floor-standing	Elevated
Protective zone for right corner installation	
Floor-standing	Elevated
Protective zone for left corner installation	
Floor-standing	Elevated



Requirements for the protective zones:

- 1.No openings into habitable areas of the building.
- 2.No ignition sources (neither permanently nor for a short period of time).
- 3.The protective zone must not extend to adjacent buildings or public traffic areas.
- 4.Other units may only be installed in your unit's protective zone if they are of the same type.
- 5.No ventilation or skylight openings allowed in the protective zone (on-roof installation).

Protective zone for on-roof installation



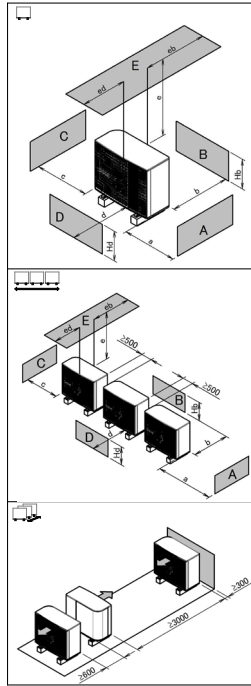
3D153862

9 Installation

9 - 2 Installation Method in cascade applications

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

Installation requirements for -EPSK*AR* units



A-E	Hb	Hd	Hu	(mm)						
				a	b	c	d	e	eb	ed
B	---	---	---	≥300	---	---	---	---	---	---
A, B, C	---	---	---	≥500	≥300	≥100	---	---	---	---
B, E	---	---	---	---	≥300	---	---	≥1000	---	≤500
A, B, C, E	---	---	---	≥500	≥300	≥150	---	≥1000	---	≤500
D	---	---	---	---	---	---	≥500	---	---	---
D, E	---	---	---	---	---	---	≥500	≥1000	≤500	---
A, C	---	---	---	≥500	---	≥100	---	---	---	---
B, D	(Hb OR Hd) ≤ Hu			---	≥300	---	≥500	---	---	---
	(Hb AND Hd) > Hu			X						
B, D, E	(Hb OR Hd) ≤ Hu			Hb > Hd	≥300	---	≥1000	≥1000	---	≤500
	(Hb OR Hd) ≤ Hu			Hb < Hd	≥300	---	≥1000	≥1000	≤500	---
	(Hb AND Hd) > Hu			X						
A, C, D, E	---	---	---	≥500	---	≥150	≥500	≥1000	≤500	---
B	---	---	---	≥300	---	---	---	---	---	---
A, B, C	---	---	---	≥500	≥300	≥500	---	---	---	---
B, E	---	---	---	---	≥300	---	---	≥1000	---	≤500
A, B, C, E	---	---	---	≥500	≥300	≥500	---	≥1000	---	≤500
D	---	---	---	---	---	---	≥500	---	---	---
D, E	---	---	---	---	---	---	≥500	≥1000	≤500	---
A, C	---	---	---	≥500	---	≥500	---	---	---	---
B, D	(Hb OR Hd) ≤ Hu			---	≥300	---	≥500	---	---	---
	(Hb AND Hd) > Hu			X						
B, D, E	(Hb OR Hd) ≤ Hu			Hb > Hd	≥300	---	≥1000	≥1000	---	≤500
	(Hb OR Hd) ≤ Hu			Hb < Hd	≥300	---	≥1000	≥1000	≤500	---
	(Hb AND Hd) > Hu			X						
A, C, D, E	---	---	---	≥500	---	≥500	≥500	≥1000	≤500	---

Legend

Symbols

A, C Obstacles (walls/baffle plates)

B Obstacles on the suction side

D Obstacles on the discharge side

E Obstacle (roof)

a, b, c, d, e Minimum service space between the unit and obstacles A, B, C, D and E

eb Maximum distance between the unit and the edge of obstacle E, in the direction of obstacle B

ed Maximum distance between the unit and the edge of obstacle E, in the direction of obstacle D

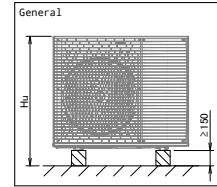
Hu Height of the unit

Hb, Hd Height of obstacles B and D

X Not allowed

(1)

(2)



Cascading outdoor units.

The installation layouts with multiple outdoor units shown in (1): (side to side) and (2): (front to back/back to front) are only allowed in combination with wall-mounted indoor units, NOT in combination with floor-standing indoor units.

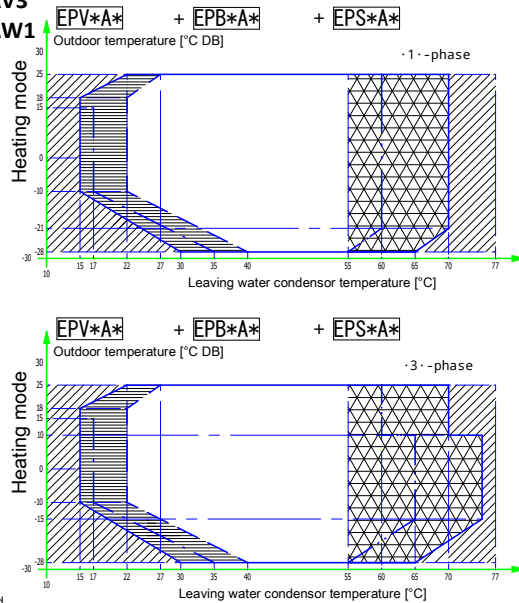
3D152917

10 Operation range

10 - 1 Operation Range

EPK06-10AV3

EPK08-10AW1



Legend

- Backup heater only operation
- No outdoor unit operation
- Outdoor unit operation if controller setpoint is regulated to minimal leaving water temperature request. Assisted by the backup heater. See dashed lines
- Outdoor unit operation if setpoint > 55°C and $\Delta T = 10^\circ\text{C}$ ($\Delta T = \text{outlet temperature} - \text{inlet temperature}$)
- Pull-down area
- Minimum setpoint
- Maximum start inlet water temperature
- Minimum water temperature to start defrost

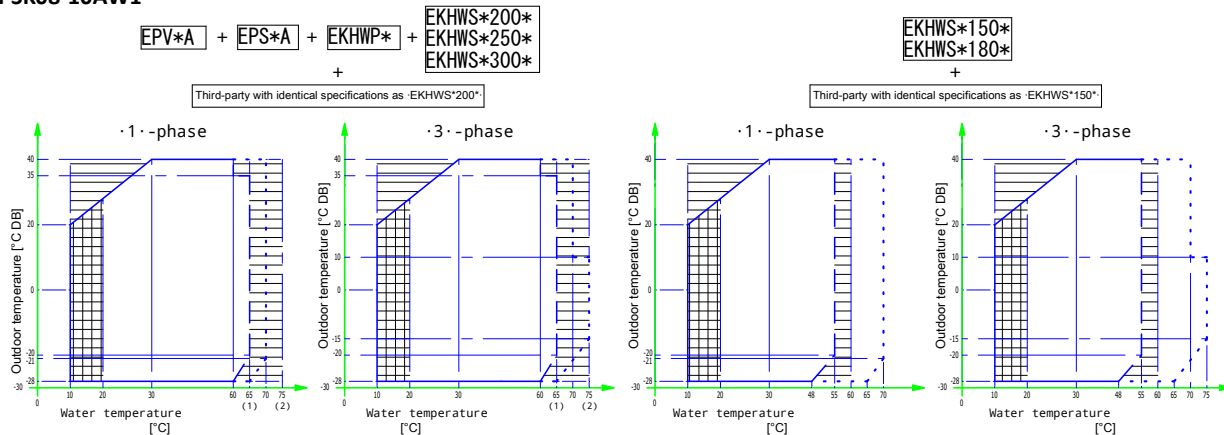
Notes

1. Tank preheating. For details, see the installer reference guide.
2. If negative ambient temperatures are expected, both in operation or at standstill, take adequate countermeasures against freezing. For more information, refer to the installation manual.
3. In restricted power supply mode, the outdoor unit and backup heater can only operate separately.

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EPK06-10AV3

EPK08-10AW1



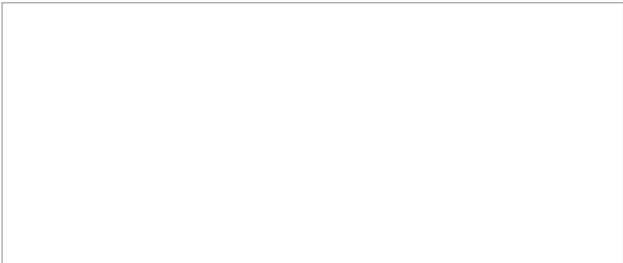
Legend

- Setpoint [°C]
- Domestic hot water
- Leaving water temperature [°C]
- Pull-up area
- Backup heater only operation (or booster heater, if part of the system)
- (1) EPV*A* indoor units only
- (2) EPS*A* indoor units only

Notes

1. In restricted power supply mode (EKHWS* only), the outdoor unit, booster heater and backup heater can only operate separately.
2. Third-party with identical specifications as 'EKHWS*150*'. Coil surface > 1.05 m² and < 3.7 m². Tank thermistor and booster heater above heat pump coil.
3. If negative ambient temperatures are expected, both in operation or at standstill, take adequate countermeasures against freezing. For more information, refer to the installation manual.
4. Third-party with identical specifications as 'EKHWS*200*'. Coil surface > 1.8 m² and < 3.7 m². Tank thermistor and booster heater above heat pump coil.

3D155520



EEDEN25

03/2025



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