

Daikin Altherma high temperature split

Technical Data

EPSKS-AV3



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EPSKS-AV3

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1 Features

1 - 1 EPSKS-AV3

- › 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
- › 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					EPBX07A4V + EPSKS04AV3	EPBX07A4V + EPSKS06AV3	EPBX07A4V + EPSKS07AV3
Energy Efficiency Range					Space Heating A+++ ~ D, Water Heating A+ ~ F		
Outdoor unit					EPSKS04ARV3	EPSKS06ARV3	EPSKS07ARV3
Space cooling	Capacity	Pdesign		kW		6.00	
	SEER					4.73	
	Annual energy consumption			kWh/a		761	
	A Condition 35°C	EERd				2.82	
		Pdc		kW		6.05	
	B Condition 30°C	EERd				3.89	
		Pdc		kW		4.31	
		Cdc				0.990	
	C Condition 25°C	EERd				5.85	
		Pdc		kW		2.86	
		Cdc				0.980	
	D Condition 20°C	EERd				6.67	
		Pdc		kW		3.25	
		Cdc				0.980	
Power consumption in other than active mode	Standby mode	Cooling	PSB	kW		0.0210	
Heating capacity	Nom.			kW		5.25 (1)	
Cooling capacity	Nom.			kW		5.16 (2) / 6.71 (3)	
Power input	Heating	Nom.		kW		1.02 (1)	
	Cooling	Nom.		kW		1.71 (2) / 1.62 (3)	
COP						5.17 (1)	
EER						3.01 (2) / 6.71 (3)	
Pump	Nominal ESP unit	Heating		kPa		73.3	
Water side Heat exchanger	Water flow rate	Heating	Nom.	l/min		14.8	
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)	45.0		
	LW(A) Sound power level (according to EN 14825)	dB(A)		dB(A)	48.2		
	Sound condition Ecodesign and energy label				Sound power in heating mode, measured according to the EN12102 under conditions of the EN14825		
Space heating general	Air to water unit	Rated airflow (outdoor)		m³/h	4,896		
		Capacity control			Inverter		
	Other	Pck (Crankcase heater mode)		kW	0.000		
		Poff (Off mode)		kW	0.021		
		Psb (Standby mode)		kW	0.021		
		Pto (Thermostat off)		kW	0.021		
	Integrated supplementary heater	Psup		kW	4.5		
		Type of energy input			Electrical		

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Technical specifications				EPBX07A4V + EPSKS04AV3	EPBX07A4V + EPSKS06AV3	EPBX07A4V + EPSKS07AV3	
Space heating	Average climate water outlet 55°C	General	Annual energy consumption	kWh	2,573	3,794	3,779
			ηs (Seasonal space heating efficiency)	%	145	150	
			Prated at -10°C	kW	4.6	7.0	
			Qhe Annual energy consumption (GCV)	Gj	9	14	
			SCOP		3.69	3.81	3.83
			Seasonal space heating eff. class		A++	A+++	
A Condition (-7°CDB/-8°CWB)			Cdh (Degradation heating)		1.0		
			COPd		2.40	2.33	
			Pdh	kW	4.1	6.3	
			PERd	%	96.0	93.2	
B Condition (2°CDB/1°CWB)			Cdh (Degradation heating)		1.0		
			COPd		3.65	3.76	
			Pdh	kW	2.4	3.8	
			PERd	%	146.0	150.4	
C Condition (7°CDB/6°CWB)			Cdh (Degradation heating)		1.0		
			COPd		4.72	5.01	
			Pdh	kW	2.9		
			PERd	%	188.8	200.4	
D Condition (12°CDB/11°CWB)			Cdh (Degradation heating)		1.0	0.9	
			COPd		6.16	6.48	
			Pdh	kW	2.9	2.5	
			PERd	%	246.4	259.2	
Tol (temperature operating limit)			COPd		2.14	2.11	2.02
			Pdh	kW	4.7	5.7	7.1
			PERd	%	85.6	84.4	80.8
			TOL	°C		-10	
			WTOL	°C		55	
Rated heat output supplementary capacity			Psup (at Tdesign -10°C)	kW	0.0	1.3	0.0
Tbiv (bivalent temperature)			COPd		2.14	2.33	2.02

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Technical specifications				EPBX07A4V + EPSKS04AV3	EPBX07A4V + EPSKS06AV3	EPBX07A4V + EPSKS07AV3		
Space heating	Average climate water outlet 55°C	Tbiv (bivalent temperature)	Pdh	kW	4.7	6.3	7.1	
			PERd	%	85.6	93.2	80.8	
			Tbiv	°C	-10	-7	-10	
	Cold climate water outlet 55°C	General	Annual energy consumption	kWh	4,519	4,428	4,398	
			ηs (Seasonal space heating efficiency)	%	128	131	132	
			Prated at -22°C	kW	6.0			
			Qhe Annual energy consumption (GCV)	Gj	16			
			A Condition (-7°CDB/-8°CWB)	Cdh (Degradation heating)	1.0			
				COPd	2.76			
		Pdh		kW	3.8			
		PERd		%	110.4			
		B Condition (2°CDB/1°CWB)	Cdh (Degradation heating)	1.0				
			COPd	4.10				
			Pdh	kW	2.3			
			PERd	%	164.0			
		C Condition (7°CDB/6°CWB)	Cdh (Degradation heating)	1.0				
			COPd	5.24				
			Pdh	kW	2.4			
			PERd	%	209.6			
		D Condition (12°CDB/11°CWB)	COPd	5.79				
			Pdh	kW	3.1			
			PERd	%	231.6			
			Tol (temperature operating limit)	COPd	1.57	1.61		
		Pdh		kW	3.1	3.5		
		PERd		%	62.8	64.4		
		TOL		°C	-22			
			WTOL	°C	55			
			G Condition (-15°CDB/-)	COPd	2.11	2.06		
		Pdh		kW	4.2	5.0		
		PERd		%	84.4	82.4		
		Tbiv (bivalent temperature)	COPd	2.76	2.06	1.81		
			Pdh	kW	3.8	5.0	5.5	
			PERd	%	110.4	82.4	72.4	
			Tbiv	°C	-7	-15	-18	
			Rated heat output supplementary capacity	Psup (at Tdesign -22°C)	kW	2.9	2.5	
	Warm climate water outlet 55°C	General	Annual energy consumption	kWh	2,534	2,505		
			ηs (Seasonal space heating efficiency)	%	168	170		

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Technical specifications			EPBX07A4V + EPSKS04AV3		EPBX07A4V + EPSKS06AV3	EPBX07A4V + EPSKS07AV3
Space heating	Warm climate water outlet 55°C	General	Prated at 2°C	kW	8.1	
			Qhe Annual energy consumption (GCV)	Gj	9	
	B Condition (2°CDB/1°CWB)		Cdh (Degradation heating)		1.0	
			COPd		2.57	2.42
			Pdh	kW	5.7	7.0
			PERd	%	102.8	96.8
	C Condition (7°CDB/6°CWB)		Cdh (Degradation heating)		1.0	
			COPd		3.84	
			Pdh	kW	5.4	
			PERd	%	153.6	
	D Condition (12°CDB/11°CWB)		Cdh (Degradation heating)		1.0	
			COPd		5.48	
			Pdh	kW	3.1	
			PERd	%	219.2	
	Tbiv (bivalent temperature)		COPd		3.28	
			Pdh	kW	6.5	
			PERd	%	131.2	
			Tbiv	°C	5	
Average climate water outlet 35°C	General		Annual energy consumption	kWh	2,505	2,496
			ηs (Seasonal space heating efficiency)	%	198	199
			Prated at -10°C	kW	6.1	
			Qhe Annual energy consumption (GCV)	Gj	9	
			SCOP		5.03	5.05
			Seasonal space heating eff. class		A+++	
	A Condition (-7°CDB/-8°CWB)		COPd		3.27	
			Pdh	kW	5.6	
			PERd	%	130.8	
	B Condition (2°CDB/1°CWB)		Cdh (Degradation heating)		1.0	
			COPd		4.97	
			Pdh	kW	3.2	
			PERd	%	198.8	
	C Condition (7°CDB/6°CWB)		Cdh (Degradation heating)		1.0	
			COPd		6.47	
			Pdh	kW	3.1	
			PERd	%	258.8	
	D Condition (12°CDB/11°CWB)		Cdh (Degradation heating)		0.9	
			COPd		8.37	

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Technical specifications				EPBX07A4V + EPSKS04AV3	EPBX07A4V + EPSKS06AV3	EPBX07A4V + EPSKS07AV3	
Space heating 	Average climate water outlet 35°C	D Condition (12°CDB/11°CWB)	Pdh	kW	2.6		
			PERd	%	334.8		
			Tol (temperature operating limit)	COPd	3.02	2.88	
			Pdh	kW	5.2	6.2	
			PERd	%	120.8	115.2	
			TOL	°C	-10		
			WTOL	°C	35		
		G Condition (-15°CDB/-)	PERd	%	0.0		
		Tbiv (bivalent temperature)	COPd	3.27	2.88		
			Pdh	kW	5.6	6.2	
			PERd	%	130.8	115.2	
			Tbiv	°C	-7	-10	
		Rated heat output supplementary capacity	Psup (at Tdesign -10°C)	kW	0.9	0.0	
	Cold climate water outlet 35°C	General	Annual energy consumption	kWh	3,422	3,372	3,341
			ηs (Seasonal space heating efficiency)	%	170	172	174
			Prated at -22°C	kW	6.0		
			Qhe Annual energy consumption (GCV)	Gj	12.3	12.1	12.0
		A Condition (-7°CDB/-8°CWB)	COPd	3.75			
			Pdh	kW	3.6		
			PERd	%	150.0		
		B Condition (2°CDB/1°CWB)	Cdh (Degradation heating)	0.9			
			COPd	5.56			
			Pdh	kW	2.3		
			PERd	%	222.4		
		C Condition (7°CDB/6°CWB)	Cdh (Degradation heating)	1.0			
			COPd	5.76			
			Pdh	kW	2.8		
			PERd	%	230.4		
		D Condition (12°CDB/11°CWB)	Cdh (Degradation heating)	1.0			
			COPd	6.36			
			Pdh	kW	3.2		
			PERd	%	254.4		
		Tol (temperature operating limit)	COPd	2.22	2.19	2.02	
			Pdh	kW	3.6	4.4	5.7
			PERd	%	88.8	87.6	80.8
			TOL	°C	-22		
			WTOL	°C	35		

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Technical specifications				EPBX07A4V + EPSKS04AV3	EPBX07A4V + EPSKS06AV3	EPBX07A4V + EPSKS07AV3
Space heating	Cold climate water outlet 35°C	G Condition (-15°CDB/-)	COPd	2.83	2.70	
			Pdh kW	4.6	5.0	
			PERd %	113.2	108.0	
		Tbiv (bivalent temperature)	COPd	3.75	2.70	2.38
			Pdh kW	3.6	5.0	5.5
			PERd %	150.0	108.0	95.2
		Tbiv	°C	-7	-15	-18
			Psup (at Tdesign -22°C) kW	2.4	1.6	0.3
			Rated heat output supplementary capacity			
	Warm climate water outlet 35°C	General	Annual energy consumption kWh	1,312		
			ηs (Seasonal space heating efficiency) %	241		
			Prated at 2°C kW	6.0		
			Qhe Annual energy consumption (GCV) GJ	5		
		B Condition (2°CDB/1°CWB)	Cdh (Degradation heating)	1.0		
			COPd	3.73		
			Pdh kW	6.1		
			PERd %	149.2		
		C Condition (7°CDB/6°CWB)	Cdh (Degradation heating)	1.0		
			COPd	5.83		
			Pdh kW	3.8		
			PERd %	233.2		
		Tbiv (bivalent temperature)	COPd	3.73		
			Pdh kW	6.1		
			PERd %	149.2		
			Tbiv °C	2		
		D Condition (12°CDB/11°CWB)	Cdh (Degradation heating)	0.9		
			COPd	7.20		
			Pdh kW	2.5		
			PERd %	288.0		

(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					EPSX07P30A +	EPSX07P50A +	EPSX07P30A +	EPSX07P50A +	EPSX07P30A +	EPSX07P50A +
					EPSKS04AV3	EPSKS04AV3	EPSKS06AV3	EPSKS06AV3	EPSKS07AV3	EPSKS07AV3
Energy Efficiency Range					Space Heating A+++ ~ D, Water Heating A+ ~ F					
Indoor unit					EPSX07P30AF	EPSX07P50AF	EPSX07P30AF	EPSX07P50AF	EPSX07P30AF	EPSX07P50AF
Outdoor unit					EPSKS04ARV3		EPSKS06ARV3		EPSKS07ARV3	
Space cooling	Capacity	Pdesign		kW	6.00					
	SEER				4.73					
	Annual energy consumption			kWh/a	761					
	A Condition 35°C	EERd			2.82					
		Pdc		kW	6.05					
	B Condition 30°C	EERd			3.89					
		Pdc		kW	4.31					
		Cdc			0.990					
		EERd			5.85					
	C Condition 25°C	Pdc		kW	2.86					
		Cdc			0.980					
	D Condition 20°C	EERd			6.67					
Pdc			kW	3.25						
Cdc				0.980						
Power consumption in other than active mode	Standby mode	Cooling	PSB	kW	0.0210					
Heating capacity	Nom.			kW	5.25					
	Max.			kW	5.22		6.30		8.20	
Cooling capacity	Nom.			kW	5.16 /6.71					
Power input	Heating	Nom.		kW	1.02					
	Cooling	Nom.		kW	1.71 /1.62					
	Domestic hot water from 10°C to 50°C	Nom.		kWh	3.33	5.21	3.33	5.21	3.33	5.21
Heat up time from 10°C to 50°C				hr	4h 12min	6h 35min	4h 12min	6h 35min	4h 12min	6h 35min
COP					5.17					
EER					3.01 /4.15					
Pump	Nominal ESP unit	Heating		kPa	58.4					
Water side Heat exchanger	Water flow rate	Heating	Nom.	l/min	14.8					

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Technical specifications				EPSX07P30A +	EPSX07P50A +	EPSX07P30A +	EPSX07P50A +	EPSX07P30A +	EPSX07P50A +
				EPSKS04AV3	EPSKS04AV3	EPSKS06AV3	EPSKS06AV3	EPSKS07AV3	EPSKS07AV3
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		Yes					
		Low-temperature heat pump		No					
		Supplementary heater integrated		Yes					
General	Product description	Water-to-water heat pump		No					
	LW(A) Sound power level (according to EN14825)	dB(A)	dBA	47.0					
LW(A) Sound power level (according to EN14825)				48.2					
Sound condition Ecodesign and energy label				Sound power in heating mode, measured according to the EN12102 under conditions of the EN14825					
Space heating general	Air to water unit	Rated airflow (outdoor)	m³/h	4,896					
		Capacity control		Inverter					
	Other	Pck (Crankcase heater mode)	kW	0.000					
		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	9.0					
		Type of energy input		Electrical					
Domestic hot water heating	Average climate	AEC (Annual electricity consumption)	kWh	879	1,249	879	1,249	879	1,249
		COPdhw		2.91	3.35	2.91	3.35	2.91	3.35
		Heat up time		3h 53min	5h 55min	3h 53min	5h 55min	3h 53min	5h 55min
		Mixed water at 40°C	l	143.7	232.7	143.7	232.7	143.7	232.7
		ηwh (water heating efficiency)	%	116	134	116	134	116	134
		Qelec (Daily electricity consumption)	kWh	4.003	5.687	4.003	5.687	4.003	5.687
		Reference hot water temperature	°C	44.8	44.0	44.8	44.0	44.8	44.0
		Stand-by power input	W	29.6	37.9	29.6	37.9	29.6	37.9
		Water heating energy efficiency class		A+					
	Cold climate	AEC (Annual electricity consumption)	kWh	1,200	1,635	1,200	1,635	1,200	1,635
		COPdhw		2.13	2.56	2.13	2.56	2.13	2.56
		Heat up time		5h 11min	7h 02min	5h 11min	7h 02min	5h 11min	7h 02min
		Mixed water at 40°C	l	143.7	232.7	143.7	232.7	143.7	232.7
		ηwh (water heating efficiency)	%	85	102	85	102	85	102
		Qelec (Daily electricity consumption)	kWh	5.466	7.446	5.466	7.446	5.466	7.446
		Reference hot water temperature	°C	44.8	44.0	44.8	44.0	44.8	44.0
		Stand-by power input	W	34.9	66.4	34.9	66.4	34.9	66.4
	Warm climate	AEC (Annual electricity consumption)	kWh	773	1,153	773	1,153	773	1,153
		COPdhw		3.31	3.63	3.31	3.63	3.31	3.63
		Heat up time		2h 07min	4h 49min	2h 07min	4h 49min	2h 07min	4h 49min
		Mixed water at 40°C	l	143.7	232.7	143.7	232.7	143.7	232.7
		ηwh (water heating efficiency)	%	132	145	132	145	132	145
		Qelec (Daily electricity consumption)	kWh	3.519	5.252	3.519	5.252	3.519	5.252
		Reference hot water temperature	°C	44.8	44.0	44.8	44.0	44.8	44.0
		Stand-by power input	W	27.6	35.0	27.6	35.0	27.6	35.0

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Technical specifications				EPSX07P30A +	EPSX07P50A +	EPSX07P30A +	EPSX07P50A +	EPSX07P30A +	EPSX07P50A +
				EPSKS04AV3	EPSKS04AV3	EPSKS06AV3	EPSKS06AV3	EPSKS07AV3	EPSKS07AV3
Space heating	Average climate water outlet 55°C	General	Annual energy consumption	kWh	2,573		3,794		3,779
			ηs (Seasonal space heating efficiency)	%	145		150		
			Prated at -10°C	kW	4.6		7.0		
			Qhe Annual energy consumption (GCV)	Gj	9		14		
			SCOP		3.69		3.81		3.83
			Seasonal space heating eff. class		A++		A+++		
			A Condition (-7°CDB/-8°CWB)				1.0		
			Cdhd (Degradation heating)						
			COPd		2.40		2.33		
			Pdhd	kW	4.1		6.3		
			PERd	%	96.0		93.2		
			B Condition (2°CDB/1°CWB)				1.0		
			Cdhd (Degradation heating)						
			COPd		3.65		3.76		
			Pdhd	kW	2.4		3.8		
			PERd	%	146.0		150.4		
			C Condition (7°CDB/6°CWB)				1.0		
			Cdhd (Degradation heating)						
			COPd		4.72		5.01		
			Pdhd	kW			2.9		
			PERd	%	188.8		200.4		
			D Condition (12°CDB/11°CWB)						
			Cdhd (Degradation heating)		1.0		0.9		
			COPd		6.16		6.48		
			Pdhd	kW	2.9		2.5		
			PERd	%	246.4		259.2		
			Tol (temperature operating limit)						
			COPd		2.14		2.11		2.02
			Pdhd	kW	4.7		5.7		7.1
			PERd	%	85.6		84.4		80.8
			TOL	°C			-10		
			WTOL	°C			55		
			Rated heat output supplementary capacity						
			Psup (at Tdesign -10°C)	kW	0.0		1.3		0.0
			Tbiv (bivalent temperature)						
			COPd		2.14		2.33		2.02
			Pdhd	kW	4.7		6.3		7.1
			PERd	%	85.6		93.2		80.8
			Tbiv	°C	-10		-7		-10
Cold climate water outlet 55°C	General	Annual energy consumption	kWh	4,519		4,428		4,398	
		ηs (Seasonal space heating efficiency)	%	128		131		132	
		Prated at -22°C	kW			6.0			
		Qhe Annual energy consumption (GCV)	Gj			16			

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Technical specifications				EPSX07P30A +	EPSX07P50A +	EPSX07P30A +	EPSX07P50A +	EPSX07P30A +	EPSX07P50A +		
				EPSKS04AV3	EPSKS04AV3	EPSKS06AV3	EPSKS06AV3	EPSKS07AV3	EPSKS07AV3		
 Space heating	Cold climate water outlet 55°C	A Condition (-7°CDB/-8°CWB)	Cdh (Degradation heating)	1.0							
			COPd	2.76							
			Pdh kW	3.8							
			PERd %	110.4							
		B Condition (2°CDB/1°CWB)	Cdh (Degradation heating)	1.0							
			COPd	4.10							
			Pdh kW	2.3							
			PERd %	164.0							
		C Condition (7°CDB/6°CWB)	Cdh (Degradation heating)	1.0							
			COPd	5.24							
			Pdh kW	2.4							
			PERd %	209.6							
		D Condition (12°CDB/11°CWB)	COPd	5.79							
			Pdh kW	3.1							
			PERd %	231.6							
		Tol (temperature operating limit)	COPd	1.57					1.61		
			Pdh kW	3.1					3.5		
			PERd %	62.8					64.4		
			TOL °C	-22							
			WTOL °C	55							
		G Condition (-15°CDB/-)	COPd	2.11					2.06		
			Pdh kW	4.2					5.0		
			PERd %	84.4					82.4		
		Tbiv (bivalent temperature)	COPd	2.76	2.06					1.81	
			Pdh kW	3.8	5.0					5.5	
			PERd %	110.4	82.4					72.4	
			Tbiv °C	-7	-15					-18	
		Rated heat output supplementary capacity	Psup (at Tdesign -22°C)	kW	2.9					2.5	
Warm climate water outlet 55°C	General	Annual energy consumption	kWh	2,534					2,505		
		ηs (Seasonal space heating efficiency)	%	168					170		
		Prated at 2°C	kW	8.1							
		Qhe Annual energy consumption (GCV)	Gj	9							
		Cdh (Degradation heating)	1.0								
	B Condition (2°CDB/1°CWB)	COPd	2.57				2.42				
		Pdh kW	5.7				7.0				
		PERd %	102.8				96.8				
		C Condition (7°CDB/6°CWB)	Cdh (Degradation heating)	1.0							

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Technical specifications				EPSX07P30A +	EPSX07P50A +	EPSX07P30A +	EPSX07P50A +	EPSX07P30A +	EPSX07P50A +
				EPSKS04AV3	EPSKS04AV3	EPSKS06AV3	EPSKS06AV3	EPSKS07AV3	EPSKS07AV3
Space heating	Warm climate water outlet 55°C	C Condition (7°CDB/6°CWB)	COPd				3.84		
			Pdh	kW			5.4		
			PERd	%			153.6		
		D Condition (12°CDB/11°CWB)	Cdh (Degradation heating)				1.0		
			COPd				5.48		
			Pdh	kW			3.1		
			PERd	%			219.2		
		Tbiv (bivalent temperature)	COPd				3.28		
			Pdh	kW			6.5		
			PERd	%			131.2		
			Tbiv	°C			5		
	Average climate water outlet 35°C	General	Annual energy consumption	kWh	2,505			2,496	
			ηs (Seasonal space heating efficiency)	%	198			199	
			Prated at -10°C	kW			6.1		
			Qhe Annual energy consumption (GCV)	Gj			9		
			SCOP		5.03			5.05	
			Seasonal space heating eff. class				A+++		
		A Condition (-7°CDB/-8°CWB)	COPd				3.27		
			Pdh	kW			5.6		
			PERd	%			130.8		
		B Condition (2°CDB/1°CWB)	Cdh (Degradation heating)				1.0		
			COPd				4.97		
			Pdh	kW			3.2		
		C Condition (7°CDB/6°CWB)	PERd	%			198.8		
			Cdh (Degradation heating)				1.0		
			COPd				6.47		
		D Condition (12°CDB/11°CWB)	Pdh	kW			3.1		
			PERd	%			258.8		
			Cdh (Degradation heating)				0.9		
		Tol (temperature operating limit)	COPd		3.02			2.88	
			Pdh	kW	5.2			6.2	
			PERd	%	120.8			115.2	
			TOL	°C			-10		
			WTOL	°C			35		

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Technical specifications					EPSX07P30A +	EPSX07P50A +	EPSX07P30A +	EPSX07P50A +	EPSX07P30A +	EPSX07P50A +	
					EPSKS04AV3	EPSKS04AV3	EPSKS06AV3	EPSKS06AV3	EPSKS07AV3	EPSKS07AV3	
 Space heating	Average climate water outlet 35°C	G Condition (-15°CDB/-)	PERd	%	0.0						
			Tbiv (bivalent temperature)	COPd	3.27		2.88				
				Pdh	kW	5.6		6.2			
				PERd	%	130.8		115.2			
				Tbiv	°C	-7		-10			
		Rated heat output supplementary capacity	Psup (at Tdesign -10°C)	kW	0.9		0.0				
			Cold climate water outlet 35°C	General	Annual energy consumption	kWh	3,422		3,372		3,341
		ηs (Seasonal space heating efficiency)			%	170		172		174	
		Prated at -22°C			kW	6.0					
		Qhe Annual energy consumption (GCV)			Gj	12.3		12.1		12.0	
	A Condition (-7°CDB/-8°CWB)	COPd		3.75							
		Pdh		kW	3.6						
		PERd		%	150.0						
	B Condition (2°CDB/1°CWB)	Cdh (Degradation heating)		0.9							
		COPd		5.56							
		Pdh		kW	2.3						
		PERd	%	222.4							
	C Condition (7°CDB/6°CWB)	Cdh (Degradation heating)	1.0								
		COPd	5.76								
		Pdh	kW	2.8							
		PERd	%	230.4							
	D Condition (12°CDB/11°CWB)	Cdh (Degradation heating)	1.0								
		COPd	6.36								
		Pdh	kW	3.2							
		PERd	%	254.4							
	Tol (temperature operating limit)	COPd	2.22		2.19		2.02				
		Pdh	kW	3.6		4.4		5.7			
		PERd	%	88.8		87.6		80.8			
		TOL	°C	-22							
		WTOL	°C	35							
	G Condition (-15°CDB/-)	COPd	2.83		2.70						
		Pdh	kW	4.6		5.0					
		PERd	%	113.2		108.0					
		Tbiv (bivalent temperature)	COPd	3.75		2.70		2.38			
			Pdh	kW	3.6		5.0		5.5		
			PERd	%	150.0		108.0		95.2		
			Tbiv	°C	-7		-15		-18		
		 Space heating	Cold climate water outlet 35°C	Rated heat output supplementary capacity	Psup (at Tdesign -22°C)	kW	2.4		1.6		0.3
Warm climate water outlet 35°C			General	Annual energy consumption	kWh	1,312					
	ηs (Seasonal space heating efficiency)			%	241						
	Prated at 2°C			kW	6.0						
	Qhe Annual energy consumption (GCV)			Gj	5						
	B Condition (2°CDB/1°CWB)		Cdh (Degradation heating)	1.0							
			COPd	3.73							
			Pdh	kW	6.1						
			PERd	%	149.2						
	C Condition (7°CDB/6°CWB)		Cdh (Degradation heating)	1.0							
			COPd	5.83							
Pdh			kW	3.8							
PERd			%	233.2							
Tbiv (bivalent temperature)	COPd		3.73								
	Pdh		kW	6.1							
	PERd		%	149.2							
	Tbiv		°C	2							
D Condition (12°CDB/11°CWB)	Cdh (Degradation heating)		0.9								
	COPd		7.20								
	Pdh		kW	2.5							
	PERd		%	288.0							

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Technical specifications				EPSXB07P30A		EPSXB07P50A		EPSXB07P30A		EPSXB07P50A		EPSXB07P50A	
				+		+		+		+		+	
				EPSKS04AV3		EPSKS04AV3		EPSKS06AV3		EPSKS06AV3		EPSKS07AV3	
Indoor unit				EPSXB07P30AF		EPSXB07P50AF		EPSXB07P30AF		EPSXB07P50AF		EPSXB07P30AF	
Outdoor unit				EPSKS04ARV3		EPSKS06ARV3		EPSKS06ARV3		EPSKS07ARV3		EPSXB07P50AF	
Space cooling	Capacity	Pdesign	kW	6.00									
	SEER			4.73									
	Annual energy consumption		kWh/a	761									
	A Condition 35°C	EERd		2.82									
		Pdc	kW	6.05									
		Cdc		0.990									
	B Condition 30°C	EERd		3.89									
		Pdc	kW	4.31									
		Cdc		0.980									
	C Condition 25°C	EERd		5.85									
		Pdc	kW	2.86									
		Cdc		0.980									
	D Condition 20°C	EERd		6.67									
		Pdc	kW	3.25									
		Cdc		0.980									
Power consumption in other than active mode	Standby mode	Cooling	PSB	kW	0.0210								
Heating capacity	Nom.		kW	5.25									
	Max.		kW	5.22		6.30		8.20					
Cooling capacity	Nom.		kW	5.16 /6.71									
Power input	Heating	Nom.	kW	1.02									
	Cooling	Nom.	kW	1.71 /1.62									
	Domestic hot water from 10°C to 50°C	Nom.	kWh	3.33	5.21	3.33	5.21	3.33	5.21				
Heat up time from 10°C to 50°C			hr	4h 12min	6h 35min	4h 12min	6h 35min	4h 12min	6h 35min				
COP				5.17									
EER				3.01 /4.15									
Pump	Nominal ESP unit	Heating	kPa	58.4									
Water side Heat exchanger	Water flow rate	Heating	Nom.	l/min	14.8								
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		Yes									
		Low-temperature heat pump		No									
		Supplementary heater integrated		Yes									
	Water-to-water heat pump		No										
General	LW(A) Sound power level (according to EN14825)	dB(A)	dBA	47.0									
LW(A) Sound power level (according to EN 14825)			dB(A)	dBA	48.2								
Sound condition Ecodesign and energy label				Sound power in heating mode, measured according to the EN12102 under conditions of the EN14825									
Space heating general	Air to water unit	Rated airflow (outdoor)		m³/h	4.896								
	Other	Capacity control			Inverter								
		Pck (Crankcase heater mode)		kW	0.000								
		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	9.0									
		Type of energy input		Electrical									

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Technical specifications				EPSXB07P30A + EPSKS04AV3	EPSXB07P50A + EPSKS04AV3	EPSXB07P30A + EPSKS06AV3	EPSXB07P50A + EPSKS06AV3	EPSXB07P30A + EPSKS07AV3	EPSXB07P50A + EPSKS07AV3
	Average climate	AEC (Annual electricity consumption)	kWh	879	1,249	879	1,249	879	1,249
		COPdhw		2.91	3.35	2.91	3.35	2.91	3.35
		Heat up time		3h 53min	5h 55min	3h 53min	5h 55min	3h 53min	5h 55min
		Mixed water at 40°C	l	143.7	232.7	143.7	232.7	143.7	232.7
		η _{wh} (water heating efficiency)	%	116	134	116	134	116	134
		Q _{elec} (Daily electricity consumption)	kWh	4.003	5.687	4.003	5.687	4.003	5.687
		Reference hot water temperature	°C	44.8	44.0	44.8	44.0	44.8	44.0
		Stand-by power input	W	29.6	37.9	29.6	37.9	29.6	37.9
		Water heating energy efficiency class		A+					
	Cold climate	AEC (Annual electricity consumption)	kWh	1,200	1,635	1,200	1,635	1,200	1,635
		COPdhw		2.13	2.56	2.13	2.56	2.13	2.56
		Heat up time		5h 11min	7h 02min	5h 11min	7h 02min	5h 11min	7h 02min
		Mixed water at 40°C	l	143.7	232.7	143.7	232.7	143.7	232.7
		η _{wh} (water heating efficiency)	%	85	102	85	102	85	102
		Q _{elec} (Daily electricity consumption)	kWh	5.466	7.446	5.466	7.446	5.466	7.446
		Reference hot water temperature	°C	44.8	44.0	44.8	44.0	44.8	44.0
		Stand-by power input	W	34.9	66.4	34.9	66.4	34.9	66.4
	Warm climate	AEC (Annual electricity consumption)	kWh	773	1,153	773	1,153	773	1,153
		COPdhw		3.31	3.63	3.31	3.63	3.31	3.63
		Heat up time		2h 07min	4h 49min	2h 07min	4h 49min	2h 07min	4h 49min
		Mixed water at 40°C	l	143.7	232.7	143.7	232.7	143.7	232.7
		η _{wh} (water heating efficiency)	%	132	145	132	145	132	145
		Q _{elec} (Daily electricity consumption)	kWh	3.519	5.252	3.519	5.252	3.519	5.252
		Reference hot water temperature	°C	44.8	44.0	44.8	44.0	44.8	44.0
		Stand-by power input	W	27.6	35.0	27.6	35.0	27.6	35.0
	Average climate water outlet 55°C	General	Annual energy consumption	kWh	2,573		3,794		3,779
			η _s (Seasonal space heating efficiency)	%	145		150		
			Prated at -10°C	kW	4.6		7.0		
			Q _{he} Annual energy consumption (GCV)	Gj	9		14		
			SCOP		3.69		3.81		3.83
			Seasonal space heating eff. class		A++		A+++		
		A Condition (-7°CDB/-8°CWB)	Cdh (Degradation heating)				1.0		
			COPd		2.40		2.33		
			Pdh	kW	4.1		6.3		
			PERd	%	96.0		93.2		
		B Condition (2°CDB/1°CWB)	Cdh (Degradation heating)				1.0		
			COPd		3.65		3.76		
			Pdh	kW	2.4		3.8		
			PERd	%	146.0		150.4		
		C Condition (7°CDB/6°CWB)	Cdh (Degradation heating)				1.0		
			COPd		4.72		5.01		
			Pdh	kW			2.9		
			PERd	%	188.8		200.4		
		D Condition (12°CDB/11°CWB)	Cdh (Degradation heating)		1.0		0.9		
			COPd		6.16		6.48		
			Pdh	kW	2.9		2.5		
			PERd	%	246.4		259.2		
		Tol (temperature operating limit)	COPd		2.14		2.11		2.02
			Pdh	kW	4.7		5.7		7.1
			PERd	%	85.6		84.4		80.8
			TOL	°C			-10		
			WTOL	°C			55		
	Cold climate water outlet 55°C	Rated heat output supplementary capacity	Psup (at Tdesign -10°C)	kW	0.0		1.3		0.0
			COPd		2.14		2.33		2.02
			Pdh	kW	4.7		6.3		7.1
			PERd	%	85.6		93.2		80.8
			Tbiv	°C	-10		-7		-10
		General	Annual energy consumption	kWh	4,519		4,428		4,398
			η _s (Seasonal space heating efficiency)	%	128		131		132
			Prated at -22°C	kW			6.0		
			Q _{he} Annual energy consumption (GCV)	Gj			16		
			Cdh (Degradation heating)				1.0		

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Technical specifications				EPSXB07P30A + EPSKS04AV3	EPSXB07P50A + EPSKS04AV3	EPSXB07P30A + EPSKS06AV3	EPSXB07P50A + EPSKS06AV3	EPSXB07P30A + EPSKS07AV3	EPSXB07P50A + EPSKS07AV3
Space heating 	Cold climate water outlet 55°C	A Condition (-7°CDB/-8°CWB)	COPd				2.76		
			Pdh	kW			3.8		
			PERd	%			110.4		
		B Condition (2°CDB/1°CWB)	Cdh (Degradation heating)				1.0		
			COPd				4.10		
			Pdh	kW			2.3		
			PERd	%			164.0		
		C Condition (7°CDB/6°CWB)	Cdh (Degradation heating)				1.0		
			COPd				5.24		
			Pdh	kW			2.4		
			PERd	%			209.6		
		D Condition (12°CDB/11°CWB)	COPd				5.79		
			Pdh	kW			3.1		
			PERd	%			231.6		
		Tol (temperature operating limit)	COPd		1.57		1.61		
			Pdh	kW	3.1		3.5		
			PERd	%	62.8		64.4		
			TOL	°C			-22		
			WTOL	°C			55		
		G Condition (-15°CDB/-)	COPd		2.11		2.06		
			Pdh	kW	4.2		5.0		
			PERd	%	84.4		82.4		
		Tbiv (bivalent temperature)	COPd		2.76	2.06		1.81	
			Pdh	kW	3.8	5.0		5.5	
			PERd	%	110.4	82.4		72.4	
			Tbiv	°C	-7	-15		-18	
		Rated heat output supplementary capacity	Psup (at Tdesign -22°C)	kW	2.9		2.5		
	Warm climate water outlet 55°C	General	Annual energy consumption	kWh	2,534		2,505		
			ηs (Seasonal space heating efficiency)	%	168		170		
			Prated at 2°C	kW			8.1		
			Qhe Annual energy consumption (GCV)	Gj			9		
		B Condition (2°CDB/1°CWB)	Cdh (Degradation heating)				1.0		
			COPd		2.57		2.42		
			Pdh	kW	5.7		7.0		
			PERd	%	102.8		96.8		
		C Condition (7°CDB/6°CWB)	Cdh (Degradation heating)				1.0		
			COPd				3.84		

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Technical specifications				EPSXB07P30A + EPSKS04AV3	EPSXB07P50A + EPSKS04AV3	EPSXB07P30A + EPSKS06AV3	EPSXB07P50A + EPSKS06AV3	EPSXB07P30A + EPSKS07AV3	EPSXB07P50A + EPSKS07AV3
Space heating	Warm climate water outlet 55°C	C Condition (7°CDB/6°CWB)	Pdh	kW					5.4
			PERd	%					153.6
			Cd _h (Degradation heating)						1.0
			COP _d						5.48
		D Condition (12°CDB/11°CWB)	Pdh	kW					3.1
			PERd	%					219.2
			COP _d						3.28
			Pdh	kW					6.5
			PERd	%					131.2
			Tbiv	°C					5
		Average climate water outlet 35°C	General	Annual energy consumption	kWh	2,505			2,496
				η _s (Seasonal space heating efficiency)	%	198			199
			Prated at -10°C	kW					6.1
				Q _{he} Annual energy consumption (GCV)	Gj				9
			SCOP			5.03			5.05
			Seasonal space heating eff. class						A+++
		A Condition (-7°CDB/-8°CWB)	COP _d						3.27
			Pdh	kW					5.6
			PERd	%					130.8
		B Condition (2°CDB/1°CWB)	Cd _h (Degradation heating)						1.0
			COP _d						4.97
			Pdh	kW					3.2
		C Condition (7°CDB/6°CWB)	PERd	%					198.8
			Cd _h (Degradation heating)						1.0
			COP _d						6.47
		D Condition (12°CDB/11°CWB)	Pdh	kW					3.1
			PERd	%					258.8
			Cd _h (Degradation heating)						0.9
		Tol (temperature operating limit)	COP _d						8.37
			Pdh	kW					2.6
			PERd	%					334.8
		G Condition (-15°CDB/-)	COP _d			3.02			2.88
			Pdh	kW		5.2			6.2
			PERd	%		120.8			115.2
			TOL	°C					-10
			WTOL	°C					35
			PERd						0.0

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Technical specifications				EPSXB07P30A + EPSKS04AV3	EPSXB07P50A + EPSKS04AV3	EPSXB07P30A + EPSKS06AV3	EPSXB07P50A + EPSKS06AV3	EPSXB07P30A + EPSKS07AV3	EPSXB07P50A + EPSKS07AV3
Space heating	Average climate water outlet 35°C	Tbiv (bivalent temperature)	COPd	3.27			2.88		
			Pdh	5.6			6.2		
			PERd	130.8			115.2		
			Tbiv	-7			-10		
			Rated heat output supplementary capacity	0.9			0.0		
	Cold climate water outlet 35°C	General	Annual energy consumption	3,422		3,372		3,341	
			ηs (Seasonal space heating efficiency)	170		172		174	
			Prated at -22°C			6.0			
			Qhe Annual energy consumption (GCV)	12.3		12.1		12.0	
		A Condition (-7°CDB/-8°CWB)	COPd			3.75			
			Pdh			3.6			
			PERd			150.0			
		B Condition (2°CDB/1°CWB)	Cdh (Degradation heating)			0.9			
			COPd			5.56			
			Pdh			2.3			
			PERd			222.4			
		C Condition (7°CDB/6°CWB)	Cdh (Degradation heating)			1.0			
			COPd			5.76			
			Pdh			2.8			
			PERd			230.4			
		D Condition (12°CDB/11°CWB)	Cdh (Degradation heating)			1.0			
			COPd			6.36			
			Pdh			3.2			
			PERd			254.4			
		Tol (temperature operating limit)	COPd	2.22		2.19		2.02	
			Pdh	3.6		4.4		5.7	
			PERd	88.8		87.6		80.8	
		G Condition (-15°CDB/-)	TOL			-22			
			WTOL			35			
		Tbiv (bivalent temperature)	COPd	2.83		2.70		2.38	
			Pdh	4.6		5.0		5.5	
			PERd	113.2		108.0		95.2	
		Rated heat output supplementary capacity	COPd	3.75		2.70		2.38	
			Pdh	3.6		5.0		5.5	
			PERd	150.0		108.0		95.2	
			Tbiv	-7		-15		-18	
			Rated heat output supplementary capacity	2.4		1.6		0.3	
Space heating	Warm climate water outlet 35°C	General	Annual energy consumption			1,312			
			ηs (Seasonal space heating efficiency)			241			
			Prated at 2°C			6.0			
			Qhe Annual energy consumption (GCV)			5			
		B Condition (2°CDB/1°CWB)	Cdh (Degradation heating)			1.0			
			COPd			3.73			
			Pdh			6.1			
			PERd			149.2			
		C Condition (7°CDB/6°CWB)	Cdh (Degradation heating)			1.0			
			COPd			5.83			
			Pdh			3.8			
			PERd			233.2			
		Tbiv (bivalent temperature)	COPd			3.73			
			Pdh			6.1			
			PERd			149.2			
			Tbiv			2			
		D Condition (12°CDB/11°CWB)	Cdh (Degradation heating)			0.9			
			COPd			7.20			
			Pdh			2.5			
			PERd			288.0			

Technical specifications				EPVX07S18A4V + EPVX07S23A4V	EPVX07S23A9W	EPVX07S18A4V + EPVX07S23A4V	EPVX07S23A9W
				+ EPSKS04AV3 + EPSKS04AV3 + EPSKS04AV3 + EPSKS06AV3 + EPSKS06AV3 + EPSKS06AV3			
Indoor unit				EPVX07S18A4V	EPVX07S23A4V	EPVX07S18A4V	EPVX07S23A9W
Outdoor unit				EPSKS04AV3		EPSKS06AV3	

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Technical specifications				EPVX07S18A4V + EPSKS04AV3 + EPSKS04AV3 + EPSKS04AV3 + EPSKS06AV3 + EPSKS06AV3 + EPSKS06AV3						
Space cooling	Capacity	Pdesign	kW	6.00						
	SEER			4.73						
	Annual energy consumption		kWh/a	761						
	A Condition 35°C	EERd		2.82						
		Pdc	kW	6.05						
	B Condition 30°C	EERd		3.89						
		Pdc	kW	4.31						
		Cdc		0.990						
	C Condition 25°C	EERd		5.85						
		Pdc	kW	2.86						
		Cdc		0.980						
	D Condition 20°C	EERd		6.67						
Pdc		kW	3.25							
Cdc			0.980							
Power consumption in other than active mode	Standby mode	Cooling	PSB	kW	0.0210					
Heating capacity	Nom.			kW	5.25					
	Max.			kW	5.22		6.30			
Cooling capacity	Nom.			kW	5.16 /6.71					
Power input	Heating	Nom.		kW	1.02					
	Cooling	Nom.		kW	1.71 /1.62					
	Domestic hot water from 10°C to 50°C	Nom.		kWh	2.19	2.50		2.19	2.50	
Heat up time from 10°C to 50°C				hr	2h 01min	2h 23min		2h 01min	2h 23min	
COP					5.17					
EER					3.01 /4.15					
Pump	Nominal ESP unit	Heating		kPa	59.5					
Water side Heat exchanger	Water flow rate	Heating	Nom.	l/min	14.8					
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			Yes					
		Low-temperature heat pump			No					
		Supplementary heater integrated			Yes					
		Water-to-water heat pump			No					
General	LW(A) Sound power level (according to EN14825)	dB(A)		dB(A)	45.0					
LW(A) Sound power level (according to EN 14825)				dB(A)	48.2					
Sound condition Ecodesign and energy label				Sound power in heating mode, measured according to the EN12102 under conditions of the EN14825						
Tank	Name			Stainless steel domestic hot water tank 180 l	Stainless steel domestic hot water tank 230 L		Stainless steel domestic hot water tank 180 l	Stainless steel domestic hot water tank 230 L		
Space heating general	Air to water unit	Rated airflow (outdoor)		m³/h	4,896					
	Other	Capacity control			Inverter					
		Pck (Crankcase heater mode)		kW	0.000					
		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	4.5		9.0	4.5		9.0	
		Type of energy input		Electrical						

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Technical specifications					EPVX07S18A4V + EPVX07S23A4V + EPVX07S23A9W + EPVX07S18A4V + EPVX07S23A9W + EPSKS04AV3 + EPSKS04AV3 + EPSKS04AV3 + EPSKS06AV3 + EPSKS06AV3 + EPSKS06AV3						
Domestic hot water heating	Average climate	AEC (Annual electricity consumption)			kWh	771					
		COPdhw				3.32					
		Heat up time				1h 47min	2h 07min		1h 47min	2h 07min	
		Mixed water at 40°C			l	203.6	241.6		203.6	241.6	
		ηwh (water heating efficiency)			%	133					
		Qelec (Daily electricity consumption)			kWh	3.510					
		Reference hot water temperature			°C	47.0	46.8		47.0	46.8	
		Stand-by power input			W	28.8					
		Water heating energy efficiency class				A+					
	Cold climate	AEC (Annual electricity consumption)			kWh	999					
		COPdhw				2.56					
		Heat up time				2h 21min					
		Mixed water at 40°C			l	203.6	241.6		203.6	241.6	
		ηwh (water heating efficiency)			%	102					
		Qelec (Daily electricity consumption)			kWh	4.551					
		Reference hot water temperature			°C	47.0	46.8		47.0	46.8	
		Stand-by power input			W	34.8					
		Warm climate	AEC (Annual electricity consumption)			kWh	666				
	COPdhw				3.85						
	Heat up time				1h 25min						
	Mixed water at 40°C			l	203.6	241.6		203.6	241.6		
	ηwh (water heating efficiency)			%	154						
	Qelec (Daily electricity consumption)			kWh	3.031						
	Reference hot water temperature			°C	47.0	46.8		47.0	46.8		
	Stand-by power input			W	24.8						
Space heating	Average climate water outlet 55°C		General	Annual energy consumption	kWh	2,573				3,794	
		ηs (Seasonal space heating efficiency)		%	145				150		
		Prated at -10°C		kW	4.6				7.0		
		Qhe Annual energy consumption (GCV)		Gj	9				14		
		SCOP			3.69				3.81		
		Seasonal space heating eff. class			A++				A+++		
		A Condition (-7°CDB/-8°CWB)	Cdh (Degradation heating)		1.0						
			COPd		2.40				2.33		
			Pdh	kW	4.1				6.3		
			PERd	%	96.0				93.2		
		B Condition (2°CDB/1°CWB)	Cdh (Degradation heating)		1.0						
			COPd		3.65				3.76		
			Pdh	kW	2.4				3.8		
			PERd	%	146.0				150.4		
		C Condition (7°CDB/6°CWB)	Cdh (Degradation heating)		1.0						
			COPd		4.72				5.01		
			Pdh	kW	2.9						
			PERd	%	188.8				200.4		
		D Condition (12°CDB/11°CWB)	Cdh (Degradation heating)		1.0				0.9		
			COPd		6.16				6.48		
			Pdh	kW	2.9				2.5		
			PERd	%	246.4				259.2		
		Tol (temperature operating limit)	COPd		2.14				2.11		
			Pdh	kW	4.7				5.7		
			PERd	%	85.6				84.4		
			TOL	°C	-10						
		WTOL	°C	55							
		Rated heat output supplementary capacity	Psup (at Tdesign -10°C)	kW	0.0				1.3		
			Tbiv (bivalent temperature)	COPd		2.14				2.33	
				Pdh	kW	4.7				6.3	
				PERd	%	85.6				93.2	
				Tbiv	°C	-10				-7	
			Cold climate water outlet 55°C	General	Annual energy consumption	kWh	4,519				4,428
		ηs (Seasonal space heating efficiency)			%	128				131	
	Prated at -22°C	kW			6.0						
Qhe Annual energy consumption (GCV)	Gj	16									

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Technical specifications				EPVX07S18A4V	EPVX07S23A4V	EPVX07S23A9W	EPVX07S18A4V	EPVX07S23A4V	EPVX07S23A9W
				+ EPSKS04AV3	+ EPSKS04AV3	+ EPSKS04AV3	+ EPSKS06AV3	+ EPSKS06AV3	+ EPSKS06AV3
Space heating	Cold climate water outlet 55°C	A Condition (-7°CDB/-8°CWB)	Cdh (Degradation heating)						1.0
			COPd						2.76
			Pdh kW						3.8
			PERd %						110.4
		B Condition (2°CDB/1°CWB)	Cdh (Degradation heating)						1.0
			COPd						4.10
			Pdh kW						2.3
			PERd %						164.0
		C Condition (7°CDB/6°CWB)	Cdh (Degradation heating)						1.0
			COPd						5.24
			Pdh kW						2.4
			PERd %						209.6
		D Condition (12°CDB/11°CWB)	COPd						5.79
			Pdh kW						3.1
			PERd %						231.6
		Tol (temperature operating limit)	COPd		1.57			1.61	
			Pdh kW		3.1			3.5	
			PERd %		62.8			64.4	
			TOL °C					-22	
			WTOL °C					55	
		G Condition (-15°CDB/-)	COPd		2.11			2.06	
			Pdh kW		4.2			5.0	
			PERd %		84.4			82.4	
		Tbiv (bivalent temperature)	COPd		2.76			2.06	
			Pdh kW		3.8			5.0	
			PERd %		110.4			82.4	
			Tbiv °C		-7			-15	
		Rated heat output supplementary capacity	Psup (at Tdesign -22°C)	kW	2.9			2.5	
	Warm climate water outlet 55°C	General	Annual energy consumption	kWh	2,534			2,505	
			ηs (Seasonal space heating efficiency)	%	168			170	
			Prated at 2°C	kW			8.1		
			Qhe Annual energy consumption (GCV)	Gj			9		
		B Condition (2°CDB/1°CWB)	Cdh (Degradation heating)					1.0	
			COPd		2.57			2.42	
			Pdh kW		5.7			7.0	
			PERd %		102.8			96.8	
		C Condition (7°CDB/6°CWB)	Cdh (Degradation heating)					1.0	

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Technical specifications				EPVX07S18A4V	EPVX07S23A9W	EPVX07S18A4V	EPVX07S23A4V	EPVX07S23A9W	
				+ EPSKS04AV3	+ EPSKS04AV3	+ EPSKS04AV3	+ EPSKS06AV3	+ EPSKS06AV3	
Space heating	Warm climate water outlet 55°C	C Condition (7°CDB/6°CWB)	COPd		3.84				
			Pdh	kW	5.4				
			PERd	%	153.6				
		D Condition (12°CDB/11°CWB)	Cdh (Degradation heating)		1.0				
			COPd		5.48				
			Pdh	kW	3.1				
		PERd	%	219.2					
		Tbiv (bivalent temperature)	COPd		3.28				
			Pdh	kW	6.5				
			PERd	%	131.2				
		Tbiv	°C	5					
		Average climate water outlet 35°C	General	Annual energy consumption		kWh	2,505		2,496
	ηs (Seasonal space heating efficiency)			%	198		199		
	Prated at -10°C			kW	6.1				
	Qhe Annual energy consumption (GCV)			Gj	9				
	SCOP				5.03		5.05		
	Seasonal space heating eff. class				A+++				
	A Condition (-7°CDB/-8°CWB)		COPd		3.27				
			Pdh	kW	5.6				
			PERd	%	130.8				
	B Condition (2°CDB/1°CWB)		Cdh (Degradation heating)		1.0				
			COPd		4.97				
			Pdh	kW	3.2				
	PERd	%	198.8						
C Condition (7°CDB/6°CWB)	Cdh (Degradation heating)		1.0						
	COPd		6.47						
	Pdh	kW	3.1						
PERd	%	258.8							
D Condition (12°CDB/11°CWB)	Cdh (Degradation heating)		0.9						
	COPd		8.37						
	Pdh	kW	2.6						
PERd	%	334.8							
Tol (temperature operating limit)		COPd		3.02		2.88			
		Pdh	kW	5.2		6.2			
		PERd	%	120.8		115.2			
		TOL	°C	-10					
		WTOL	°C	35					

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Technical specifications					EPVX07S18A4V + EPSKS04AV3	EPVX07S23A4V + EPSKS04AV3	EPVX07S23A9W + EPSKS04AV3	EPVX07S18A4V + EPSKS06AV3	EPVX07S23A4V + EPSKS06AV3	EPVX07S23A9W + EPSKS06AV3
Space heating 	Average climate water outlet 35°C	G Condition (-15°CDB/-)	PERd	%	0.0					
			Tbiv (bivalent temperature)		3.27			2.88		
			Pdh	kW	5.6			6.2		
			PERd	%	130.8			115.2		
			Tbiv	°C	-7			-10		
		Rated heat output supplementary capacity	Psup (at Tdesign -10°C)	kW	0.9			0.0		
	Cold climate water outlet 35°C	General	Annual energy consumption	kWh	3,422			3,372		
			ηs (Seasonal space heating efficiency)	%	170			172		
			Prated at -22°C	kW		6.0				
			Qhe Annual energy consumption (GCV)	Gj	12.3			12.1		
		A Condition (-7°CDB/-8°CWB)	COPd			3.75				
			Pdh	kW		3.6				
			PERd	%		150.0				
		B Condition (2°CDB/1°CWB)	Cdh (Degradation heating)			0.9				
			COPd			5.56				
			Pdh	kW		2.3				
			PERd	%		222.4				
		C Condition (7°CDB/6°CWB)	Cdh (Degradation heating)			1.0				
			COPd			5.76				
			Pdh	kW		2.8				
			PERd	%		230.4				
		D Condition (12°CDB/11°CWB)	Cdh (Degradation heating)			1.0				
			COPd			6.36				
			Pdh	kW		3.2				
			PERd	%		254.4				
		Tol (temperature operating limit)	COPd		2.22			2.19		
			Pdh	kW	3.6			4.4		
			PERd	%	88.8			87.6		
		G Condition (-15°CDB/-)	TOL	°C		-22				
			WTOL	°C		35				
			COPd		2.83			2.70		
		Tbiv (bivalent temperature)	Pdh	kW	4.6			5.0		
			PERd	%	113.2			108.0		
			COPd		3.75			2.70		
		Tbiv (bivalent temperature)	Pdh	kW	3.6			5.0		
			PERd	%	150.0			108.0		
			Tbiv	°C	-7			-15		

Space heating 	Cold climate water outlet 35°C	Rated heat output supplementary capacity	Psup (at Tdesign -22°C)	kW	2.4			1.6		
	Warm climate water outlet 35°C	General	Annual energy consumption	kWh		1,312				
			ηs (Seasonal space heating efficiency)	%		241				
			Prated at 2°C	kW		6.0				
			Qhe Annual energy consumption (GCV)	Gj		5				
		B Condition (2°CDB/1°CWB)	Cdh (Degradation heating)			1.0				
			COPd			3.73				
			Pdh	kW		6.1				
			PERd	%		149.2				
		C Condition (7°CDB/6°CWB)	Cdh (Degradation heating)			1.0				
			COPd			5.83				
			Pdh	kW		3.8				
			PERd	%		233.2				
		Tbiv (bivalent temperature)	COPd			3.73				
			Pdh	kW		6.1				
			PERd	%		149.2				
			Tbiv	°C		2				
		D Condition (12°CDB/11°CWB)	Cdh (Degradation heating)			0.9				
			COPd			7.20				
			Pdh	kW		2.5				
			PERd	%		288.0				

Technical specifications		EPVX07S18A4V + EPSKS07AV3	EPVX07S23A4V + EPSKS07AV3	EPVX07S23A9W + EPSKS07AV3
Indoor unit		EPVX07S18AJ4V	EPVX07S23AJ4V	EPVX07S23AJ9W
Outdoor unit		EPSKS07ARV3		

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Technical specifications				EPVX07S18A4V + EPSKS07AV3	EPVX07S23A4V + EPSKS07AV3	EPVX07S23A9W + EPSKS07AV3
Space cooling	Capacity	Pdesign	kW		6.00	
	SEER				4.73	
	Annual energy consumption		kWh/a		761	
	A Condition 35°C	EERd			2.82	
		Pdc	kW		6.05	
	B Condition 30°C	EERd			3.89	
		Pdc	kW		4.31	
		Cdc			0.990	
	C Condition 25°C	EERd			5.85	
		Pdc	kW		2.86	
Power consumption in other than active mode		Cdc			0.980	
	D Condition 20°C	EERd			6.67	
		Pdc	kW		3.25	
		Cdc			0.980	
	Standby mode	Cooling	PSB		0.0210	
	Heating capacity	Nom.	kW		5.25	
		Max.	kW		8.20	
	Cooling capacity	Nom.	kW		5.16 / 6.71	
	Power input	Heating	Nom.		1.02	
		Cooling	Nom.		1.71 / 1.62	
Power input		Domestic hot water from 10°C to 50°C	Nom.		2.19	2.50
	Heat up time from 10°C to 50°C		hr	2h 01min		2h 23min
	COP				5.17	
	EER				3.01 / 4.15	
	Pump	Nominal ESP unit	Heating		59.5	
	Water side Heat exchanger	Water flow rate	Heating	Nom.	14.8	
	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	
General		Heat pump combination heater			Yes	
		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		45.0	
	LW(A) Sound power level (according to EN 14825)	dB(A)	dBA		48.2	
	Sound condition Ecodesign and energy label				Sound power in heating mode, measured according to the EN12102 under conditions of the EN14825	
	Tank	Name			Stainless steel domestic hot water tank 180 l	Stainless steel domestic hot water tank 230 L
	Space heating general	Air to water unit	Rated airflow (outdoor)	m³/h	4,896	
		Other	Capacity control		Inverter	
Domestic hot water heating			Pck (Crankcase heater mode)	kW	0.000	
			Poff (Off mode)	kW	0.021	
			Psb (Standby mode)	kW	0.021	
			Pto (Thermostat off)	kW	0.021	
	General	Declared load profile			L	
	Space heating general	Integrated supplementary heater	Psup Type of energy input	kW	4.5	9.0
					Electrical	

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Technical specifications					EPVX07S18A4V + EPSKS07AV3		EPVX07S23A4V + EPSKS07AV3		EPVX07S23A9W + EPSKS07AV3		
Domestic hot water heating 	Average climate	AEC (Annual electricity consumption)			kWh	771					
		COPdhw				3.32					
		Heat up time				1h 47min		2h 07min			
		Mixed water at 40°C			l	203.6		241.6			
		ηwh (water heating efficiency)			%	133					
		Qelec (Daily electricity consumption)			kWh	3.510					
		Reference hot water temperature			°C	47.0		46.8			
		Stand-by power input			W	28.8					
		Water heating energy efficiency class				A+					
	Cold climate	AEC (Annual electricity consumption)			kWh	999					
		COPdhw				2.56					
		Heat up time				2h 21min					
		Mixed water at 40°C			l	203.6		241.6			
		ηwh (water heating efficiency)			%	102					
		Qelec (Daily electricity consumption)			kWh	4.551					
		Reference hot water temperature			°C	47.0		46.8			
		Stand-by power input			W	34.8					
		Warm climate	AEC (Annual electricity consumption)			kWh	666				
	COPdhw				3.85						
	Heat up time				1h 25min						
	Mixed water at 40°C			l	203.6		241.6				
	ηwh (water heating efficiency)			%	154						
	Qelec (Daily electricity consumption)			kWh	3.031						
	Reference hot water temperature			°C	47.0		46.8				
	Stand-by power input			W	24.8						
Domestic hot water heating											
Space heating 	Average climate water outlet 55°C	General	Annual energy consumption	kWh	3,779						
			ηs (Seasonal space heating efficiency)	%	150						
			Prated at -10°C	kW	7.0						
			Qhe Annual energy consumption (GCV)	Gj	14						
			SCOP		3.83						
			Seasonal space heating eff. class		A+++						
		A Condition (-7°CDB/-8°CWB)	Cdh (Degradation heating)		1.0						
			COPd		2.33						
			Pdh	kW	6.3						
			PERd	%	93.2						
		B Condition (2°CDB/1°CWB)	Cdh (Degradation heating)		1.0						
			COPd		3.76						
			Pdh	kW	3.8						
			PERd	%	150.4						
		C Condition (7°CDB/6°CWB)	Cdh (Degradation heating)		1.0						
			COPd		5.01						
			Pdh	kW	2.9						
			PERd	%	200.4						
		D Condition (12°CDB/11°CWB)	Cdh (Degradation heating)		0.9						
			COPd		6.48						
			Pdh	kW	2.5						
			PERd	%	259.2						
		Tol (temperature operating limit)	COPd		2.02						
			Pdh	kW	7.1						
			PERd	%	80.8						
			TOL	°C	-10						
			WTOL	°C	55						
		Rated heat output supplementary capacity	Psup (at Tdesign -10°C)	kW	0.0						
		Cold climate water outlet 55°C	General	COPd		2.02					
				Pdh	kW	7.1					
				PERd	%	80.8					
				Tbiv	°C	-10					
	Annual energy consumption		kWh	4,398							
	ηs (Seasonal space heating efficiency)		%	132							
	Prated at -22°C		kW	6.0							
	Qhe Annual energy consumption (GCV)		Gj	16							

2 Specifications

2 - 1 Specifications

Technical specifications				EPVX07S18A4V + EPSKS07AV3	EPVX07S23A4V + EPSKS07AV3	EPVX07S23A9W + EPSKS07AV3
Space heating	Cold climate water outlet 55°C	A Condition (-7°CDB/-8°CWB)	Cdh (Degradation heating)		1.0	
			COPd		2.76	
			Pdh	kW	3.8	
			PERd	%	110.4	
		B Condition (2°CDB/1°CWB)	Cdh (Degradation heating)		1.0	
			COPd		4.10	
			Pdh	kW	2.3	
			PERd	%	164.0	
		C Condition (7°CDB/6°CWB)	Cdh (Degradation heating)		1.0	
			COPd		5.24	
			Pdh	kW	2.4	
			PERd	%	209.6	
		D Condition (12°CDB/11°CWB)	COPd		5.79	
			Pdh	kW	3.1	
			PERd	%	231.6	
		Tol (temperature operating limit)	COPd		1.61	
			Pdh	kW	3.5	
			PERd	%	64.4	
			TOL	°C	-22	
			WTOL	°C	55	
		G Condition (-15°CDB/-)	COPd		2.06	
			Pdh	kW	5.0	
			PERd	%	82.4	
		Tbiv (bivalent temperature)	COPd		1.81	
			Pdh	kW	5.5	
			PERd	%	72.4	
			Tbiv	°C	-18	
		Rated heat output supplementary capacity	Psup (at Tdesign -22°C)	kW	2.5	
	Warm climate water outlet 55°C	General	Annual energy consumption	kWh	2,505	
			ηs (Seasonal space heating efficiency)	%	170	
			Prated at 2°C	kW	8.1	
			Qhe Annual energy consumption (GCV)	Gj	9	
		B Condition (2°CDB/1°CWB)	Cdh (Degradation heating)		1.0	
			COPd		2.42	
			Pdh	kW	7.0	
			PERd	%	96.8	
		C Condition (7°CDB/6°CWB)	Cdh (Degradation heating)		1.0	

2 Specifications

2 - 1 Specifications

Technical specifications				EPVX07S18A4V + EPSKS07AV3	EPVX07S23A4V + EPSKS07AV3	EPVX07S23A9W + EPSKS07AV3
Space heating	 Warm climate water outlet 55°C	C Condition (7°CDB/6°CWB)	COPd		3.84	
			Pdh	kW	5.4	
			PERd	%	153.6	
D Condition (12°CDB/11°CWB)		Cdh (Degradation heating)		1.0		
		COPd		5.48		
		Pdh	kW	3.1		
Tbiv (bivalent temperature)		PERd	%	219.2		
		COPd		3.28		
		Pdh	kW	6.5		
Average climate water outlet 35°C	General		PERd	%	131.2	
			Tbiv	°C	5	
		Annual energy consumption	kWh	2,496		
			ηs (Seasonal space heating efficiency)	%	199	
			Prated at -10°C	kW	6.1	
			Qhe Annual energy consumption (GCV)	Gj	9	
			SCOP		5.05	
	Seasonal space heating eff. class			A+++		
	A Condition (-7°CDB/-8°CWB)	COPd		3.27		
		Pdh	kW	5.6		
		PERd	%	130.8		
	B Condition (2°CDB/1°CWB)	Cdh (Degradation heating)		1.0		
		COPd		4.97		
		Pdh	kW	3.2		
	PERd	%	198.8			
		C Condition (7°CDB/6°CWB)	Cdh (Degradation heating)		1.0	
			COPd		6.47	
	Pdh		kW	3.1		
	PERd	%	258.8			
		D Condition (12°CDB/11°CWB)	Cdh (Degradation heating)		0.9	
			COPd		8.37	
	Pdh		kW	2.6		
	PERd	%	334.8			
		Tol (temperature operating limit)	COPd		2.88	
			Pdh	kW	6.2	
	PERd		%	115.2		
	°C	-10				
	°C	35				

2 Specifications

2 - 1 Specifications

Technical specifications					EPVX07S18A4V + EPSKS07AV3	EPVX07S23A4V + EPSKS07AV3	EPVX07S23A9W + EPSKS07AV3
Space heating 	Average climate water outlet 35°C	G Condition (-15°CDB/-) Tbiv (bivalent temperature)	PERd	%		0.0	
			COPd			2.88	
			Pdh	kW		6.2	
			PERd	%		115.2	
			Tbiv	°C		-10	
		Rated heat output supplementary capacity	Psup (at Tdesign -10°C)	kW		0.0	
	Cold climate water outlet 35°C	General	Annual energy consumption	kWh		3,341	
			ηs (Seasonal space heating efficiency)	%		174	
			Prated at -22°C	kW		6.0	
			Qhe Annual energy consumption (GCV)	Gj		12.0	
		A Condition (-7°CDB/-8°CWB)	COPd			3.75	
			Pdh	kW		3.6	
			PERd	%		150.0	
		B Condition (2°CDB/1°CWB)	Cdh (Degradation heating)			0.9	
			COPd			5.56	
			Pdh	kW		2.3	
			PERd	%		222.4	
		C Condition (7°CDB/6°CWB)	Cdh (Degradation heating)			1.0	
			COPd			5.76	
			Pdh	kW		2.8	
			PERd	%		230.4	
		D Condition (12°CDB/11°CWB)	Cdh (Degradation heating)			1.0	
			COPd			6.36	
			Pdh	kW		3.2	
			PERd	%		254.4	
		Tol (temperature operating limit)	COPd			2.02	
			Pdh	kW		5.7	
			PERd	%		80.8	
		G Condition (-15°CDB/-)	TOL	°C		-22	
			WTOL	°C		35	
		Tbiv (bivalent temperature)	COPd			2.70	
			Pdh	kW		5.0	
			PERd	%		108.0	
			COPd			2.38	
			Pdh	kW		5.5	
			PERd	%		95.2	
			Tbiv	°C		-18	
Space heating 	Cold climate water outlet 35°C	Rated heat output supplementary capacity	Psup (at Tdesign -22°C)	kW		0.3	
	Warm climate water outlet 35°C	General	Annual energy consumption	kWh		1,312	
			ηs (Seasonal space heating efficiency)	%		241	
			Prated at 2°C	kW		6.0	
			Qhe Annual energy consumption (GCV)	Gj		5	
		B Condition (2°CDB/1°CWB)	Cdh (Degradation heating)			1.0	
			COPd			3.73	
			Pdh	kW		6.1	
			PERd	%		149.2	
		C Condition (7°CDB/6°CWB)	Cdh (Degradation heating)			1.0	
			COPd			5.83	
			Pdh	kW		3.8	
			PERd	%		233.2	
		Tbiv (bivalent temperature)	COPd			3.73	
			Pdh	kW		6.1	
			PERd	%		149.2	
			Tbiv	°C		2	
		D Condition (12°CDB/11°CWB)	Cdh (Degradation heating)			0.9	
			COPd			7.20	
			Pdh	kW		2.5	
			PERd	%		288.0	

Technical Specifications		EPSKS04AV3	EPSKS06AV3	EPSKS07AV3
Casing	Colour	Black / Silver		
	Material	Polyester painted galvanised steel plate		

2 Specifications

2 - 1 Specifications

Technical Specifications					EPSKS04AV3	EPSKS06AV3	EPSKS07AV3
Dimensions	Unit	Height		mm		958	
		Width		mm		1,220	
		Depth		mm		535	
	Packed unit	Height		mm		1,155	
		Width		mm		1,315	
		Depth		mm		670	
Weight	Unit			kg		109	
	Packed unit			kg		134	
Heat exchanger	Length			mm		976	
	Rows	Quantity				2	
	Fin pitch			mm		1.80	
	Passes	Quantity				10	
	Face area			m ²		0.860	
	Stages	Quantity				40	
	Tube type					ø7 Hi-XSL	
	Fin	Type				WF fin	
		Treatment				Anti-corrosion treatment (PE)	
Fan	Type					Propeller fan	
	Quantity					1	
	Air flow rate	Heating	Nom.	m ³ /min		57.0	
			High	m ³ /min		78.7	
		Cooling	Nom.	m ³ /min		60	
			High	m ³ /min		81.6	
Fan motor	Discharge direction					Horizontal	
	Quantity					1	
	Model					Brushless DC motor	
	Output			W		64	
	Drive					Direct drive	
	Speed	Steps				9	
		Heating	Nom.	rpm		340	
		Cooling	Nom.	rpm		360	
Compressor	Quantity					1	
	Model					2Y350PPAX1P-C	
	Type					Hermetically sealed swing compressor	
Compressor	Starting method					Inverter driven	
PED	Category					Category II	
Operation range	Heating	Min.		°CDB		-28.0	
		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		120	
Piping connections	Water inlet heat exchanger diameter			inch		G1" (male)	
	Water outlet heat exchanger diameter			inch		G1" (male)	
Sound power level	Heating	Nom.		dBA		48.2 (1)	
	Cooling	Nom.		dBA		56.7 (2)	
Sound pressure level	Heating	Nom.		dBA		29.1 (1)	
	Cooling	Nom.		dBA		37.3 (2)	
	Night quiet mode	Heating		dBA	29.1 (1)	31.6 (1)	33.0 (1)
		Cooling		dBA		35.6 (2)	
Refrigerant	Type					R-290	
	GWP					3.0	
	Charge			kg		0.830	
	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	
	High pressure side	Design pressure		bar		32	
	Level difference	IU - OU	Max.	m		10.0	
	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	

2 Specifications

2 - 1 Specifications

Electrical Specifications				EPSKS04AV3	EPSKS06AV3	EPSKS07AV3
Power supply	Name			V3		
	Phase			1~		
	Frequency	Hz		50		
	Voltage	V		220-240		
	Voltage range	cos phi	Nom. Max.	0.90 1.00		
Current	kVa	kVA		Equipment complying with EN / IEC 61000-3-2		Equipment complying with EN / IEC 61000-3-12
	Starting current	Heating	A	10.0 (3)		
		Cooling	A	10.0 (3)		
	Recommended fuses	A		16		25
Wiring connections	For power supply	Remark		See installation manual outdoor unit		
	For connection with indoor	Remark		See installation manual outdoor 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. |

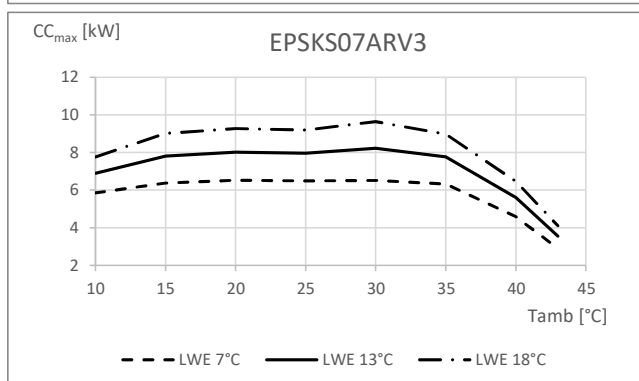
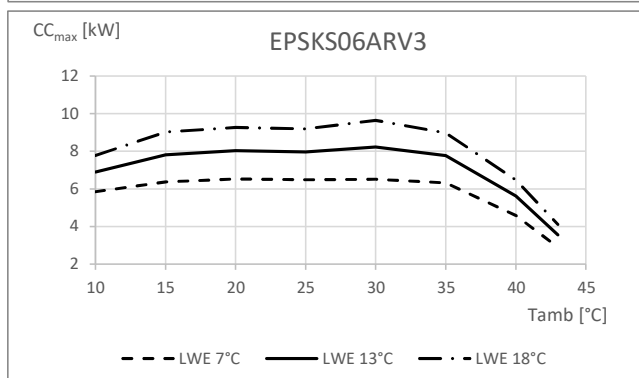
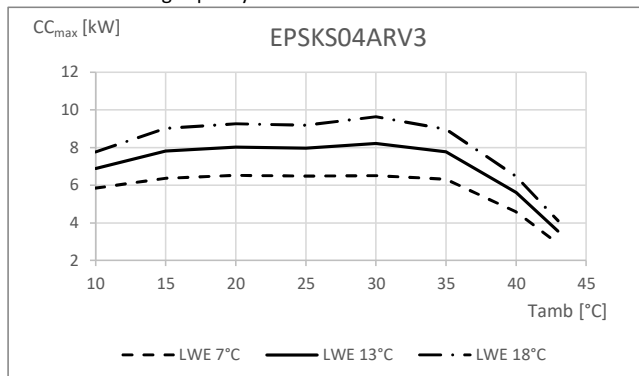
(3) MSC means the maximum current during start up of the compressor

3 Capacity graphs

3 - 1 Cooling Capacity Graphs

EPSKS-AV3

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 the power input are valid for V3 models at 230 V.

The capacity and the power input are at maximum operation.

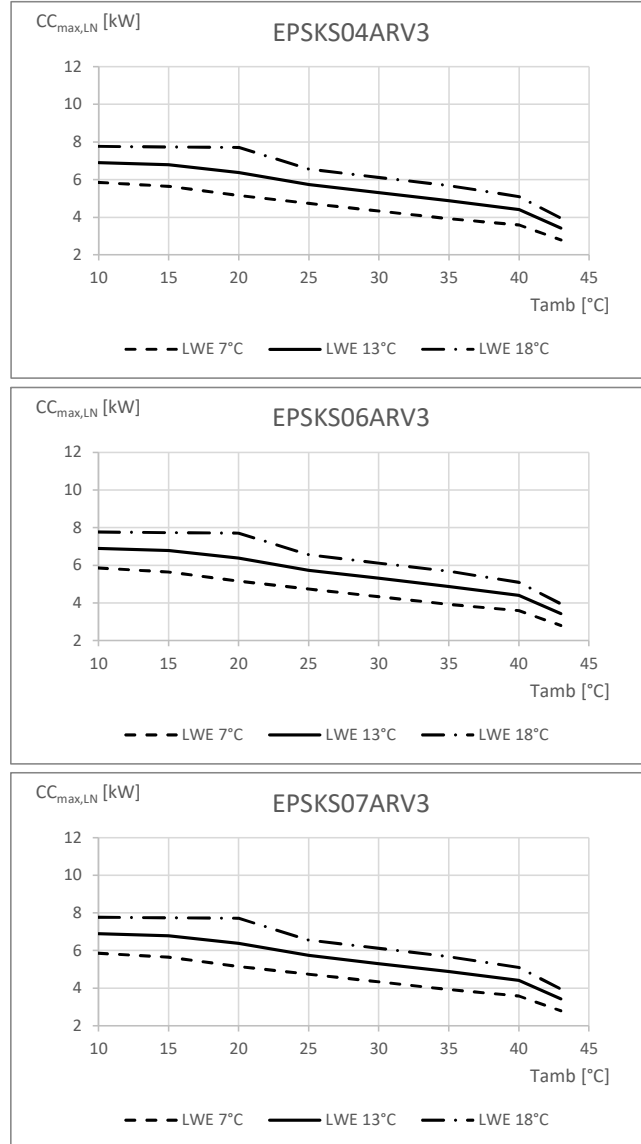
3D159555

3 Capacity graphs

3 - 2 Cooling Capacity Graphs - quiet mode

EPSKS-AV3

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 the power input are valid for V3 models at 230 V.

The capacity and the power input are at maximum operation.

Low noise level · 2·

3D159557

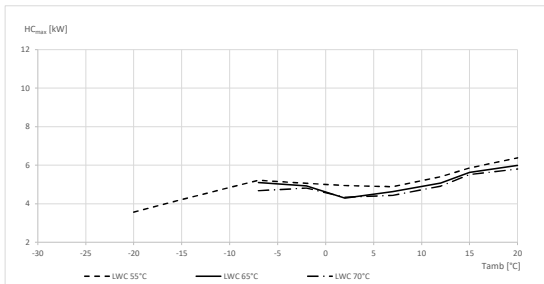
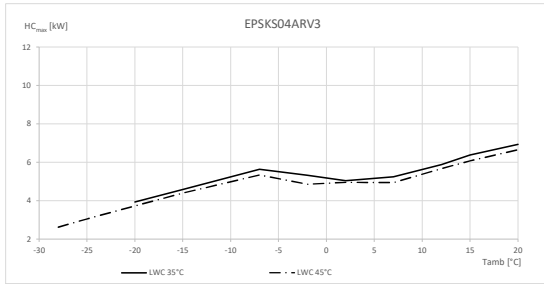
3 Capacity graphs

3 - 3 Heating Capacity Graphs

3

EPSKS04AV3

Maximum heating capacity - integrated value



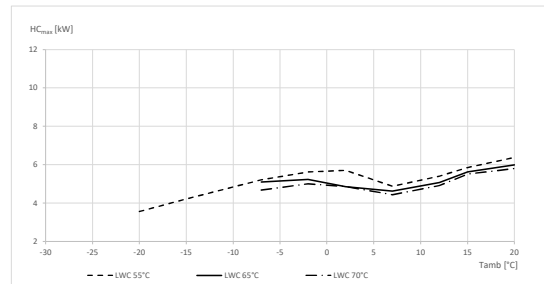
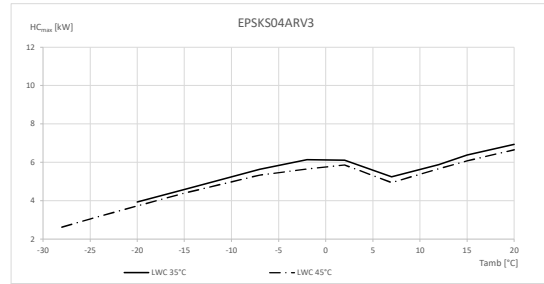
Symbols

 HC_{max} Heating capacity for maximum load, measured according to EN 14511

LWC Leaving water condenser temperature [°C]

 T_{amb} Ambient temperature [°C DB]

Maximum heating capacity - peak values



Conditions

Heating capacity

Notes

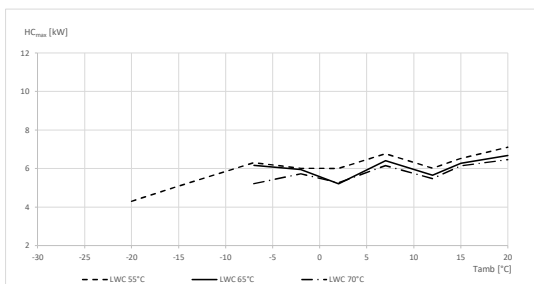
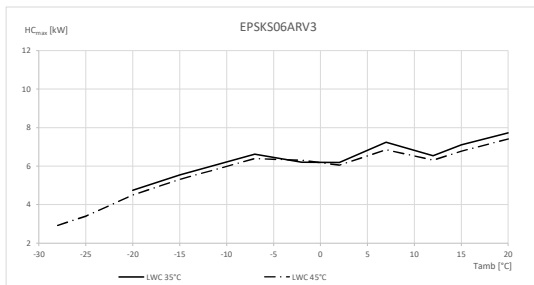
The capacity and the power input are valid for V3 models at 230 V.

The capacity and the power input are at maximum operation.

3D159554A

EPSKS06AV3

Maximum heating capacity - integrated value



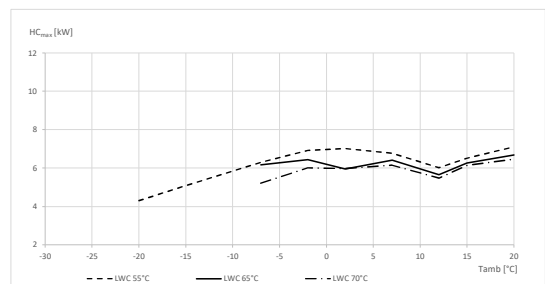
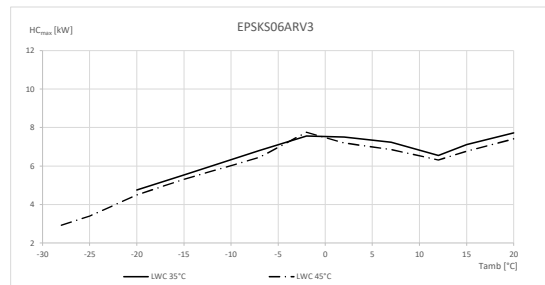
Symbols

 HC_{max} Heating capacity for maximum load, measured according to EN 14511

LWC Leaving water condenser temperature [°C]

 T_{amb} Ambient temperature [°C DB]

Maximum heating capacity - peak values



Conditions

Heating capacity

Notes

The capacity and the power input are valid for V3 models at 230 V.

The capacity and the power input are at maximum operation.

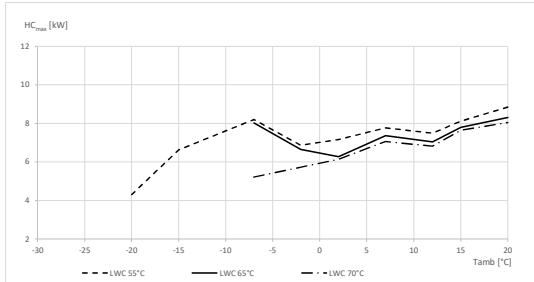
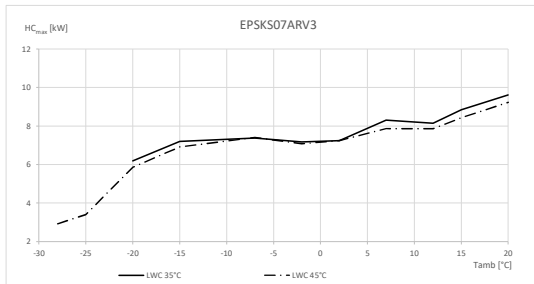
3D159554A

3 Capacity graphs

3 - 3 Heating Capacity Graphs

EPSKS07AV3

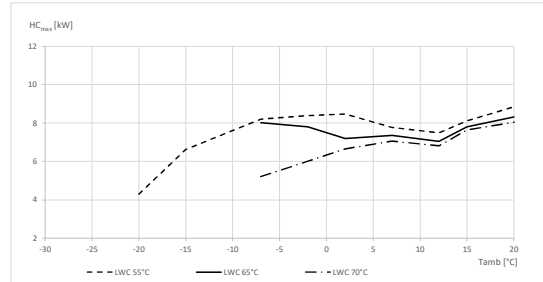
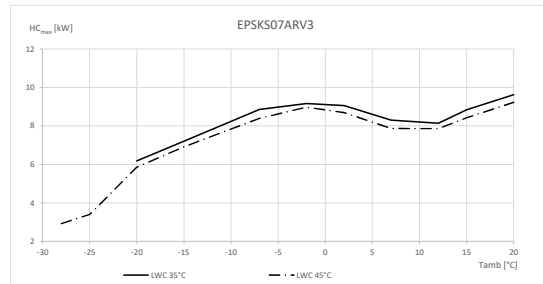
Maximum heating capacity - integrated value



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

3D159554A

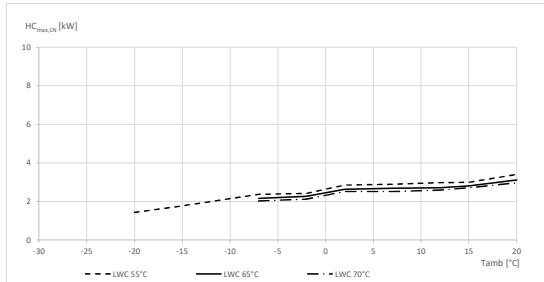
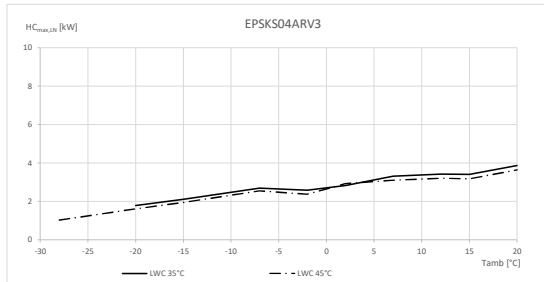
3 Capacity graphs

3 - 4 Heating Capacity Graphs - quiet mode

3

EPSKS04AV3

Maximum heating capacity - integrated value



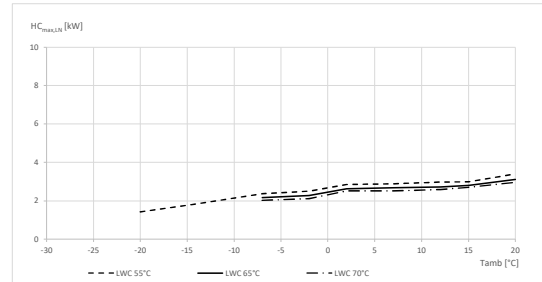
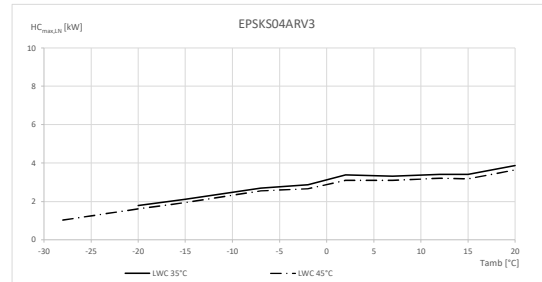
Symbols

 $HC_{max,LI}$ 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 the power input are valid for V3 models at 230 V.

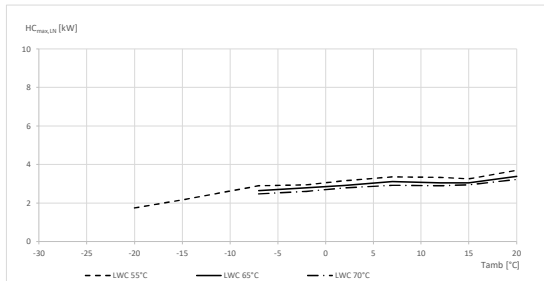
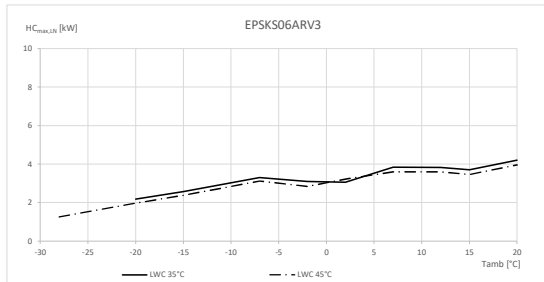
The capacity and the power input are at maximum operation.

Low noise level -2-

3D159556

EPSKS06AV3

Maximum heating capacity - integrated value



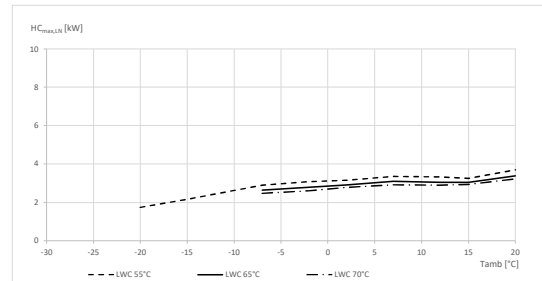
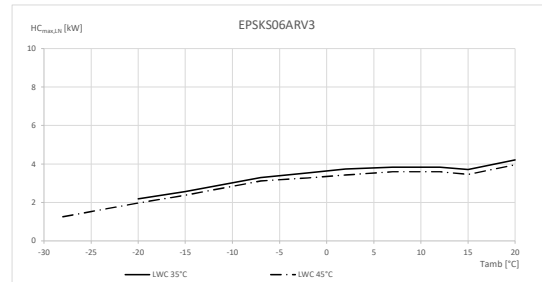
Symbols

 $HC_{max,LI}$ 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 the power input are valid for V3 models at 230 V.

The capacity and the power input are at maximum operation.

Low noise level -2-

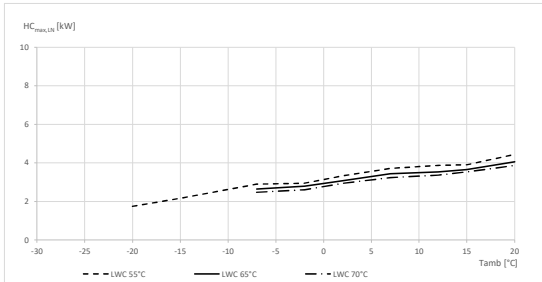
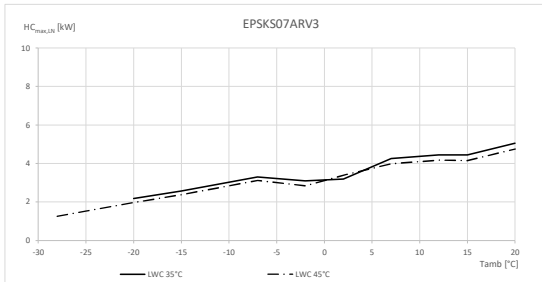
3D159556

3 Capacity graphs

3 - 4 Heating Capacity Graphs - quiet mode

EPSKS07AV3

Maximum heating capacity - integrated value



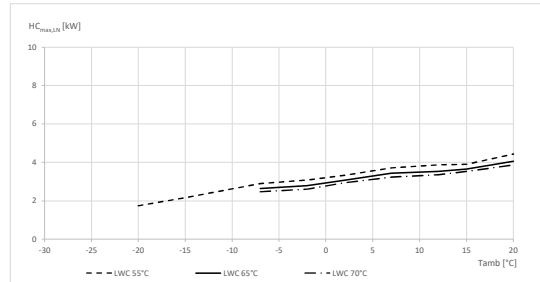
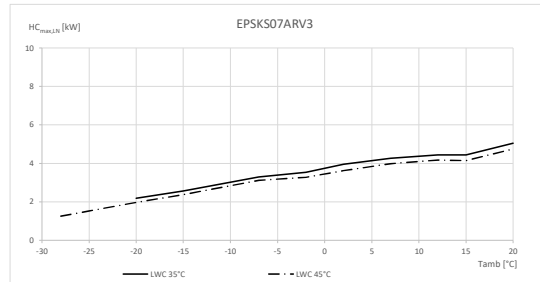
Symbols

 $HC_{max,LI}$ 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 the power input are valid for V3 models at 230 V.

The capacity and the power input are at maximum operation.

Low noise level -2-

3D159556

4 Capacity tables

4 - 1 Certification Programs

4

EPSKS-AV3

Rated data for certification programmes - heating mode

Tamb [°C]	EWL [°C]	LWC [°C]	EPKS04ARV3 HC [kW]	COP	EPKS06ARV3 HC [kW]	COP	EPKS07ARV3 HC [kW]	COP	Used for:
7/6	30	35	5,25	5,17	5,25	5,17	5,25	5,17	Keymark, EHPA
2/1	(30)	35	4,57	3,88	4,57	3,88	4,57	3,88	EHPA
-7/-8	(30)	35	4,87	3,34	4,87	3,34	4,87	3,34	General
7/6	40	45	3,52	4,01	3,52	4,01	3,52	4,01	General
-2/-3	(40)	45	4,86	2,77	6,31	2,63	7,08	2,51	MCS
7/6	47	55	4,51	3,12	5,45	3,16	5,45	3,16	Keymark, EHPA

Rated data for certification programmes - cooling mode

Nominal cooling capacity

Tamb [°C]	EWL [°C]	LWE [°C]	EPKS04ARV3 CC [kW]	EER	EPKS06ARV3 CC [kW]	EER	EPKS07ARV3 CC [kW]	EER	Used for:
35	23	18	6,71	4,15	6,71	4,15	6,71	4,15	General
35	12	7	5,16	3,01	5,16	3,01	5,16	3,01	DAPT General

Seasonal data - cooling

LWE 7°C

Low temperature

Application

	EPKS04ARV3	EPKS06ARV3	EPKS07ARV3
Pdes [kW]	6,0	6,0	6,0
SEER [-]	4,73	4,73	4,73
ηs,c [%]	189	189	189
QCE [kWh/annum]	761	761	761

Rated data for certification programmes - domestic hot water performance

Indoor unit	EPVX*(S(U/-)18A)* EPKS04(06/07)ARV3	EPVX*(S(U/-)23A)* EPKS04(06/07)ARV3	EPX(B/-)*P30AF EPKS04(06/07)ARV3	EPX(B/-)*P50AF EPKS04(06/07)ARV3	Used for:
Application	Average climate	Average climate	Average climate	Average climate	Keymark
Domestic hot water tank volume [l]	180	230	294	477	
Tapping pattern	L	L	L	XL	
Heat-up time (h:mm:ss)	1:47:53	2:07:34	3:53:52	5:55:20	
θ _{wh} [°C]	46,96	46,82	44,77	44,01	
P _{es} [W]	28,8	28,8	29,6	37,9	
V _{td} [l]	204	242	144	233	
η _{wh} [%]	132,80	132,80	116,50	134,10	
COP _{DHW} [-]	3,32	3,32	2,91	3,35	

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]
θ_{wh} Reference Domestic hot water temperature [°C]
P_{es} Standby power input
V_{td} Equivalent domestic hot water volume [l]
η_{wh} Efficiency [%]
COP_{DHW} Domestic hot water COP

According to EN16147.
According to EN16147.
According to EN16147.
According to EN16147.

3D159558

EPSKS-AV3

Rated data for certification programmes - heating mode

Measured according to UNI/TS 11300

Condition	Tamb [°C]	LWC [°C]	PLR [%]	EPKS04ARV3 HC [kW]	COP	EPKS06ARV3 HC [kW]	COP	EPKS07ARV3 HC [kW]	COP
A	-7/-8	34	100	5,64	3,27	6,73	3,11	7,38	2,63
B	2/1	30	100	5,30	4,40	6,09	4,12	6,95	3,89
C	7/6	27	100	5,43	6,39	7,34	5,83	8,48	5,54
D	12/11	24	100	6,22	8,36	6,87	8,00	8,37	7,32
A	-7/-8	52	100	5,18	2,41	6,29	2,33	7,97	2,15
B	2/1	42	100	5,02	3,46	6,15	3,35	6,83	3,15
C	7/6	36	100	5,27	5,15	7,10	4,79	8,21	4,62
D	12/11	30	100	6,14	7,05	6,79	6,82	8,29	6,40

Rated data for certification programmes - cooling mode

Measured according to UNI/TS 11300

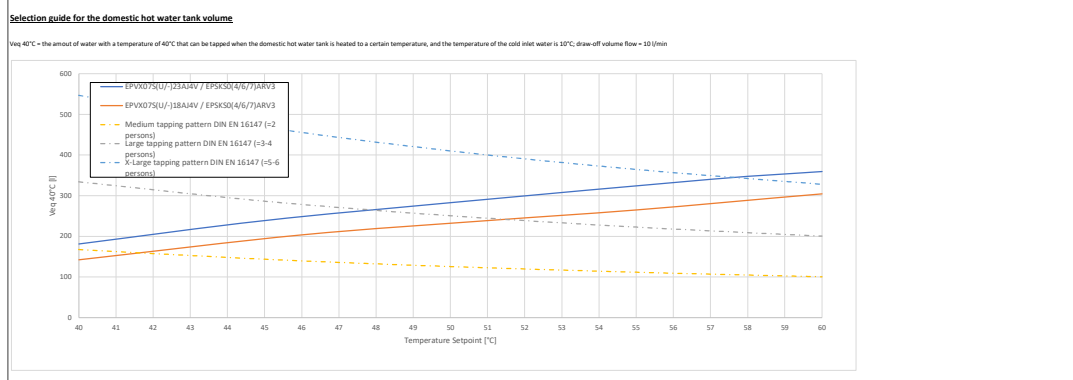
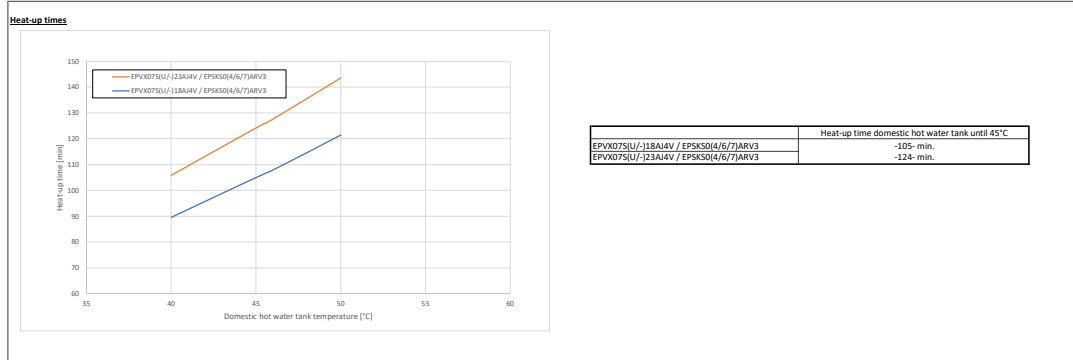
Condition	Tamb [°C]	LWE [°C]	PLR [%]	EPKS04ARV3 CC [kW]	EER	EPKS06ARV3 CC [kW]	EER	EPKS07ARV3 CC [kW]	EER
A	35	18	100	8,61	3,53	8,61	3,53	8,61	3,53
B	30	18	75	7,32	5,00	7,32	5,00	7,32	5,00
C	25	18	50	5,38	6,81	5,38	6,81	5,38	6,81
D	20	18	25	4,90	9,09	4,90	9,09	4,90	9,09
A	35	7	100	6,32	2,78	6,32	2,78	6,32	2,78
B	30	7	75	5,25	3,62	5,25	3,62	5,25	3,62
C	25	7	50	3,83	4,66	3,83	4,66	3,83	4,66
D	20	7	25	3,07	6,21	3,07	6,21	3,07	6,21

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4 Capacity tables

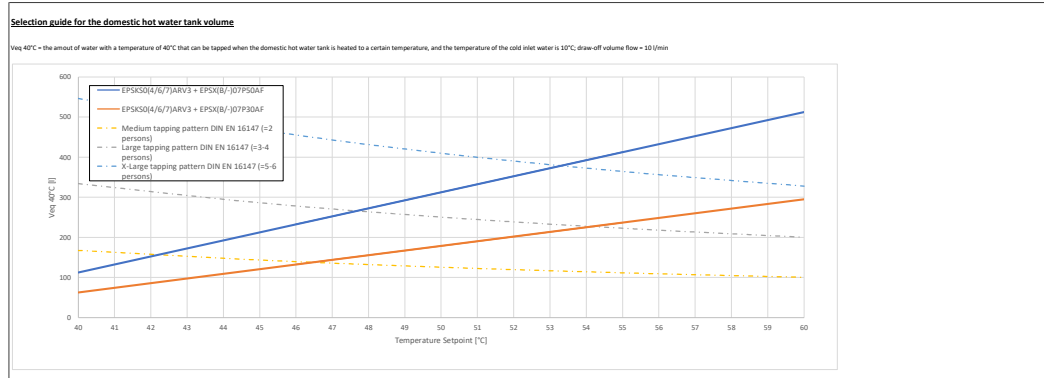
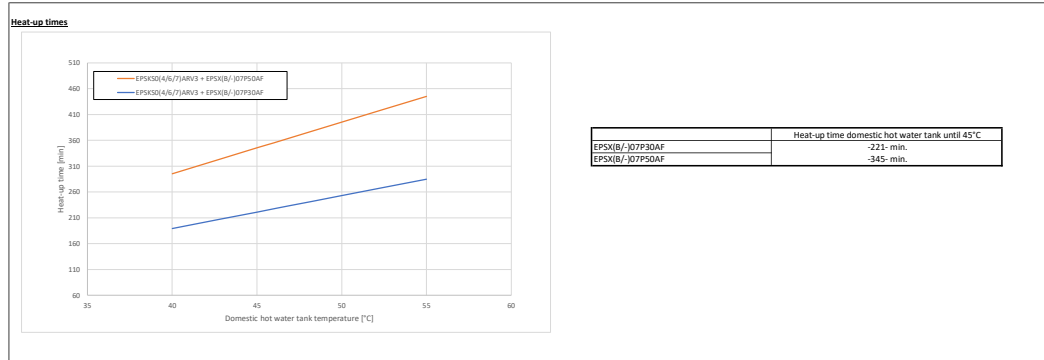
4 - 2 Domestic Hot Water performance

EPSKS-AV3



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EPSKS-AV3



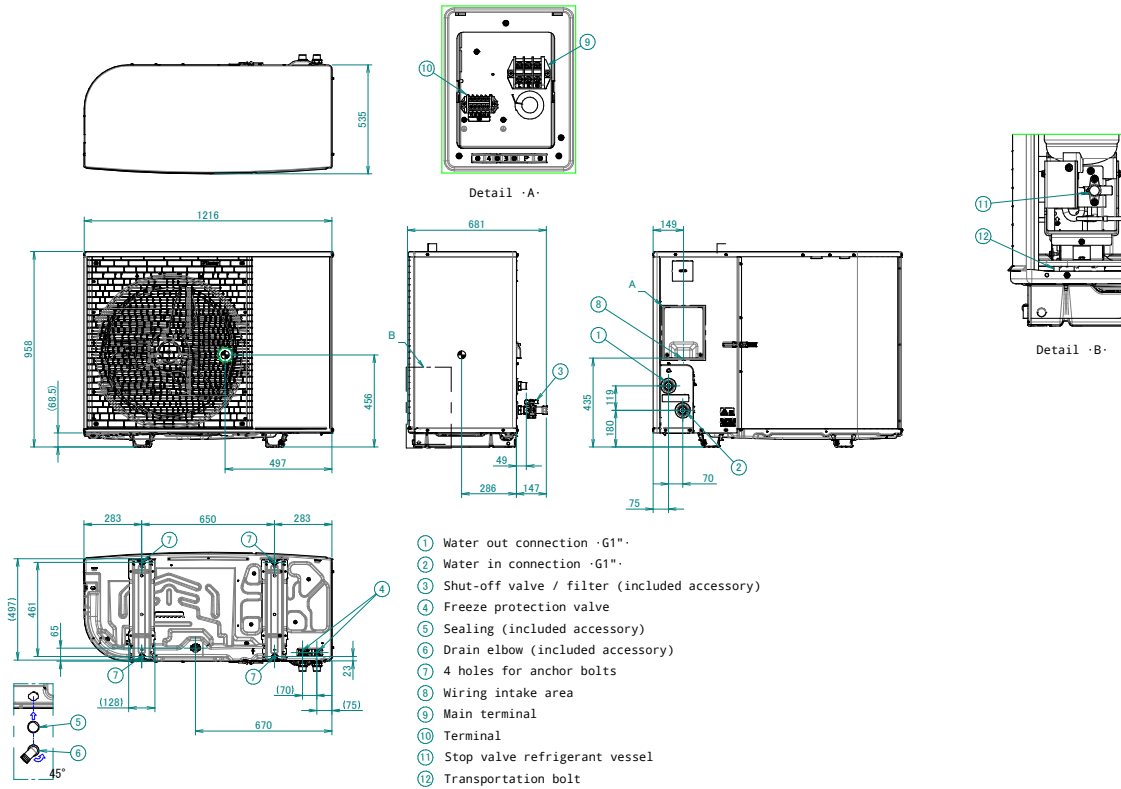
3D159550

5 Dimensional drawings

5 - 1 Dimensional Drawings

5

EPSKS-AV3

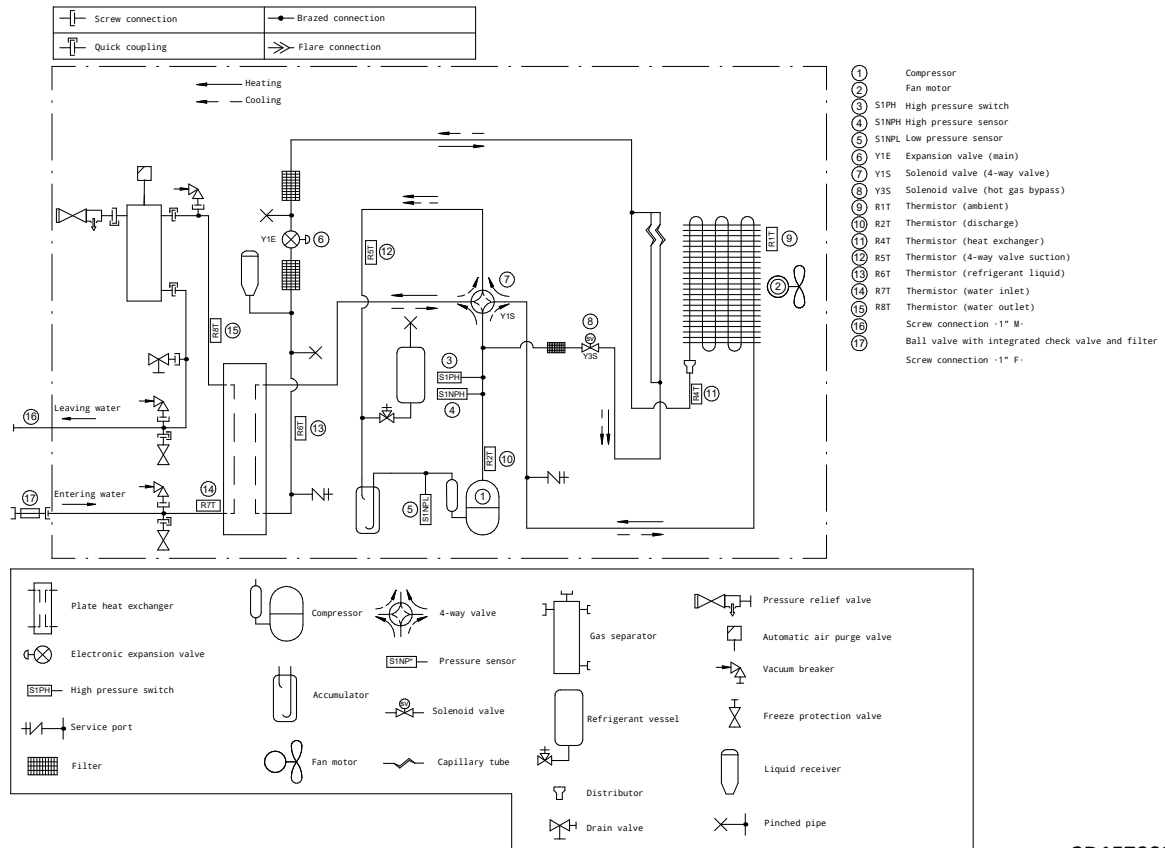


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6 Piping diagrams

6 - 1 Piping Diagrams

EPSKS-AV3



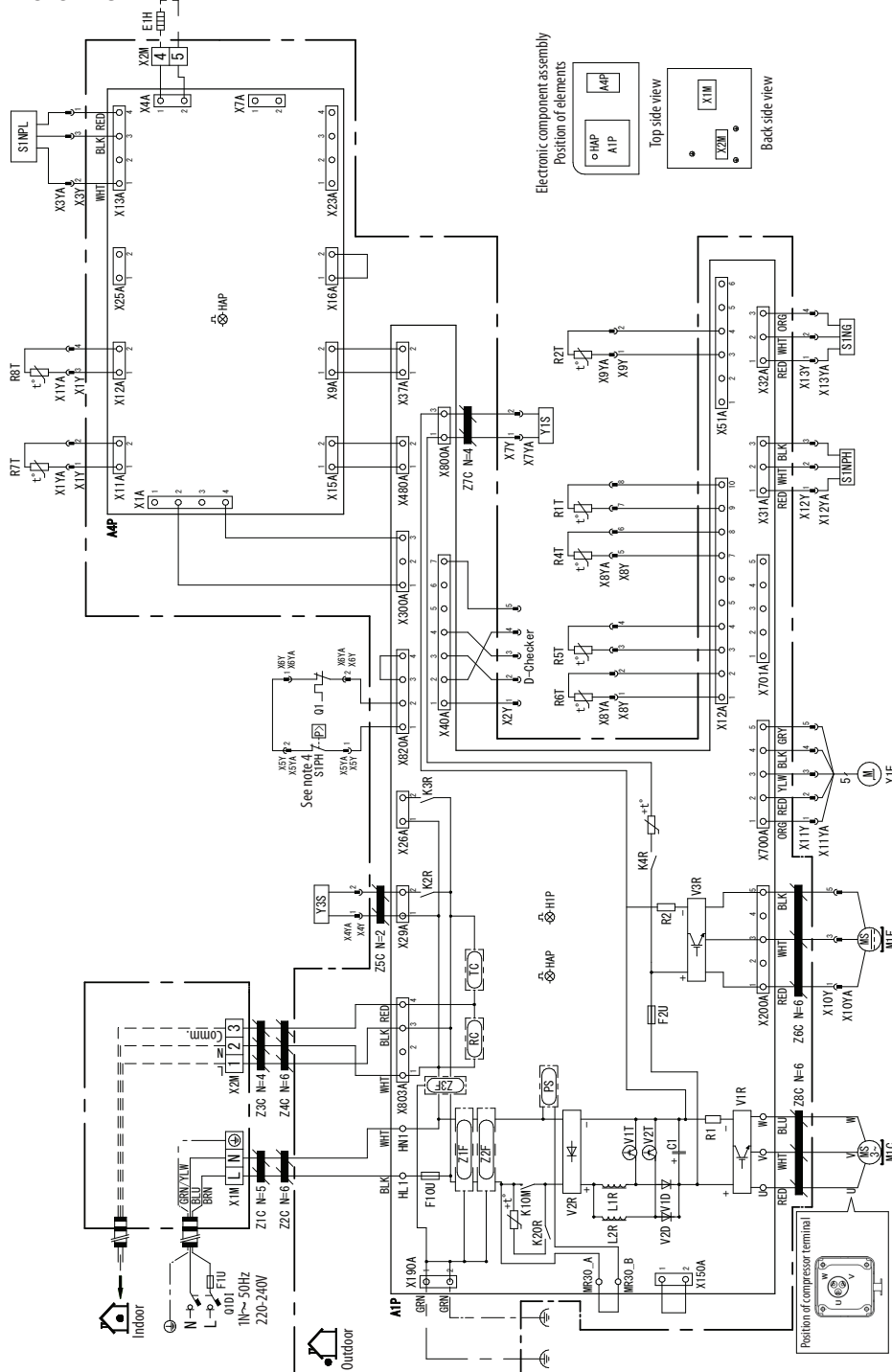
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7 Wiring diagrams

7 - 1 Wiring Diagrams - Single Phase

7

EPSKS-AV3



NOTES

1. L : Live
N : Neutral
PE : Protective earth
NLE : Noiseless earth
FW : Field wiring
C : Connection
T : Terminal
TS : Terminal strip
C : Connector
O : Option
2. Colours:
BLK : Black
RED : Red
BLU : Blue
WHT : White
GRN : Green
YLW : Yellow
BRN : Brown
ORG : Orange
PNK : Pink
GRY : Grey
PRP : Purple
3. This wiring diagram applies only to the outdoor unit.
4. When operating, do not short-circuit protection device(s) S1PH.
5. Refer to the combination table and the option manual for how to connect the wiring to X2M.

A1P	Printed circuit board
A4P	Printed circuit board (ACS)
E1H	Drain tube heater (field supply)
F1U	Field fuse (field supply)
F10U (A1P)	Fuse (T 6.3A / 250V)
H1P (A1P)	Light-emitting diode (service monitor is orange)
HAP (A1P, A4P)	Light-emitting diode (service monitor is green)
K2R (A1P)	Magnetic relay (Y3S)
K3R (A1P)	Magnetic relay (Y2S)
M1C	Motor (compressor)
M1F	Motor (fan)

Q1DI	Earth leakage circuit breaker (30mA) (field supply)
Q1	Thermal overcurrent protector
R1T	Thermistor (ambient)
R2T	Thermistor (discharge)
R4T	Thermistor (heat exchanger Tb)
R5T	Thermistor (4-way valve suction)
R6T	Thermistor (refrigerant liquid)
R7T	Thermistor (inlet water)
R8T	Thermistor (outlet water)
S1NG	Gas sensor
S1NPL	Low pressure sensor
S1NPH	High pressure sensor

S1PH	High pressure switch
T1A	Current transformer
X*A, X*Y*	Connector
X*M	Terminal strip
Y1E	Electronic expansion valve (main)
Y1S	Solenoid valve (4-way valve)
Y3S	Solenoid valve (hot gas bypass)
Z*C	Noise filter (ferrite core)

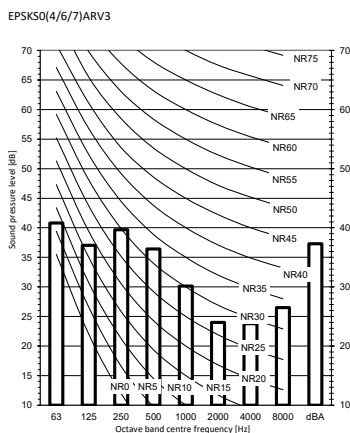
2D155262B

8 Sound data

8 - 1 Sound Pressure Spectrum - Cooling

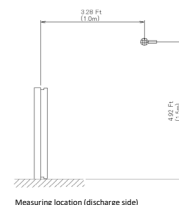
EPSKS-AV3

Sound pressure [dBA]
Cooling operation
Normal Mode



Notes

1. Data is valid at free field condition.
Measured in a semi-anechoic chamber
2. Unit condition: Ta=35°C - cooling
3. Cooling -12/7°C
4. Data is valid at nominal operation condition.
5. dBA = A-weighted sound pressure level (A scale according to IEC).
6. Reference acoustic pressure 0 dB = 20 µPa
7. If the sound is measured under actual installation conditions, the measured value will be higher due to environmental noise and sound reflections.

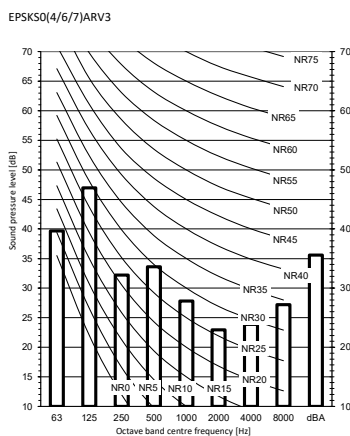


	Sound pressure [dBA]		
	1m	3m	5m
EPKS04ARV3			
EPKS06ARV3	37,3	27,8	23,2
EPKS07ARV3			

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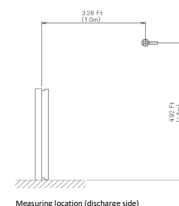
EPSKS-AV3

Sound pressure [dBA]
Cooling operation
Quiet Mode
Low noise level -2-



Notes

1. Data is valid at free field condition.
Measured in a semi-anechoic chamber
2. Unit condition: Ta=35°C - cooling
3. Cooling -12/7°C
4. Data is valid at steady operation conditions resulting in maximum sound.
5. dBA = A-weighted sound pressure level (A scale according to IEC).
6. Reference acoustic pressure 0 dB = 20 µPa
7. If the sound is measured under actual installation conditions, the measured value will be higher due to environmental noise and sound reflections.



	Sound pressure [dBA]		
	1m	3m	5m
EPKS04ARV3			
EPKS06ARV3	35,6	26,1	21,6
EPKS07ARV3			

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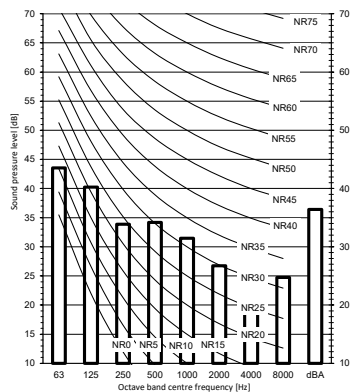
8 Sound data

8 - 2 Sound Pressure Spectrum - Heating

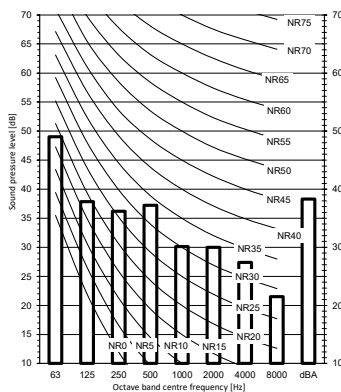
EPSKS-AV3

Sound pressure [dBA]
Heating operation 55°C
Normal mode

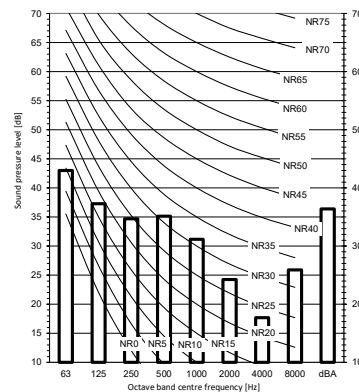
EPSKS04ARV3



EPSKS06ARV3

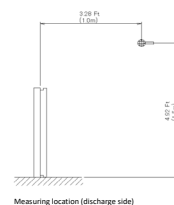


EPSKS07ARV3



Notes

1. Data is valid at free field condition.
Measured in a semi-anechoic chamber
2. Conditions: Ta DB/WB -7/-6°C - LWC -55°C
3. Data is valid at steady operation conditions resulting in maximum sound.
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.



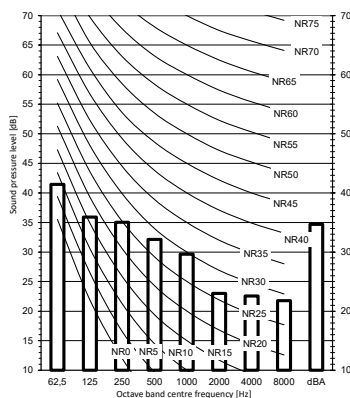
	Sound pressure [dBA]		
	1m	3m	5m
EPSKS04ARV3	36,4	26,9	22,4
EPSKS06ARV3	38,3	28,8	24,3
EPSKS07ARV3	36,4	26,9	22,4

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EPSKS-AV3

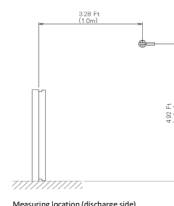
Sound pressure [dBA]
Heating operation 35°C
Normal mode

EPSKS0(4/6/7)ARV3



Notes

1. Data is valid at free field condition.
Measured in a semi-anechoic chamber
2. Conditions: Ta DB/WB -7/-6°C - LWC -35°C
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.



	Sound pressure [dBA]		
	1m	3m	5m
EPSKS04ARV3	34,7	25,2	20,7
EPSKS06ARV3			
EPSKS07ARV3			

3D159560

8 Sound data

8 - 2 Sound Pressure Spectrum - Heating

EPSKS-AV3

		Maximum sound day			Maximum sound night		
		Sound Power Level [dBA]			Sound Power Level [dBA]		
Maximum sound day	Maximum sound night	EPSKS04ARV3	EPSKS06ARV3	EPSKS07ARV3	EPSKS04ARV3	EPSKS06ARV3	EPSKS07ARV3
Default	Low noise level -2-	56	57	58	49	52	53
Low noise level -1-	Low noise level -3-	50	53	55	48	49	49

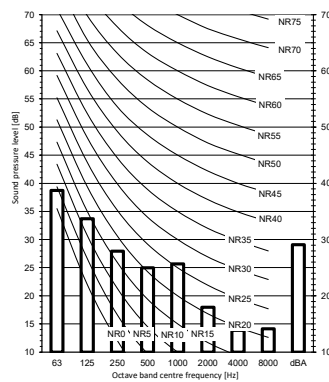
Full load (maximum fan rps and maximum compressor rps for the dedicated low noise mode)

3D159560

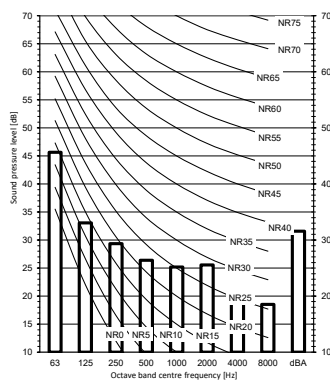
EPSKS-AV3

Sound pressure [dBA]
Heating operation 55°C
Quiet Mode
Low noise level -2-

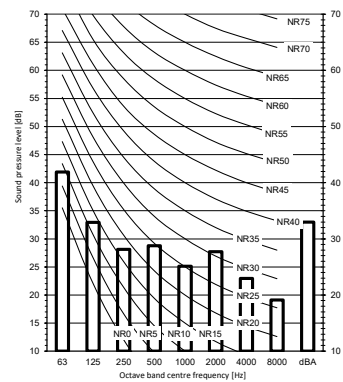
EPSKS04ARV3



EPSKS06ARV3



EPSKS07ARV3

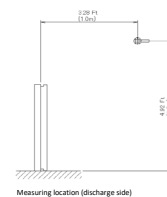


Notes

1. Data is valid at free field condition.
Measured in a semi-anechoic chamber
2. Conditions: Ta DB/WB -7/-6°C - LWC -55°C
3. Data is valid at steady operation conditions resulting in maximum sound.
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.

Maximum sound day	Maximum sound night	Maximum sound day			Maximum sound night		
		Sound Power Level [dBA]			Sound Power Level [dBA]		
		EPSKS04ARV3	EPSKS06ARV3	EPSKS07ARV3	EPSKS04ARV3	EPSKS06ARV3	EPSKS07ARV3
Default	Low noise level -2-	56	57	58	49	52	53
Low noise level -1-	Low noise level -3-	50	53	55	48	49	49

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



	Sound pressure [dBA]		
	1m	3m	5m
EPSKS04ARV3	29,1	19,5	15,1
EPSKS06ARV3	31,6	22,0	17,6
EPSKS07ARV3	33,0	23,5	19,0

3D159561

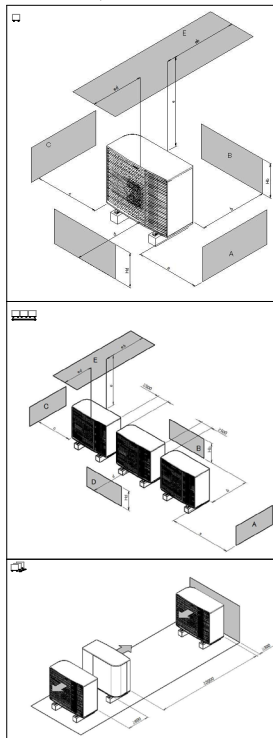
9 Installation

9 - 1 Installation Method

9

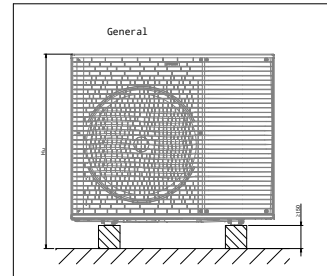
EPSKS-AV3

Installation requirements for ·EPSKS· 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		≥300		≥1000	≥1000		≤500
	(Hb AND Hd) > Hu		≥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		≥300		≥1000	≥1000		≤500
	(Hb AND Hd) > Hu		≥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

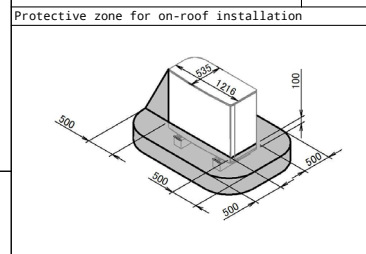
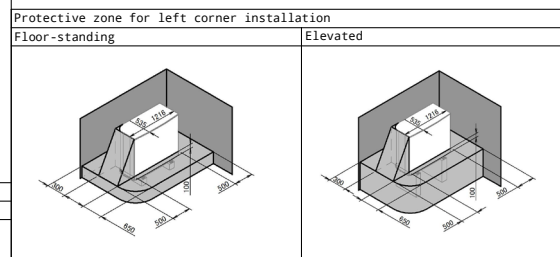
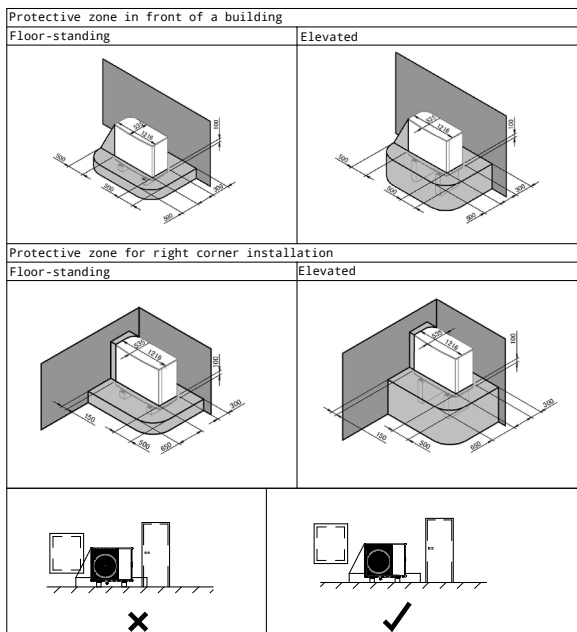


Cascading outdoor units.
The installation layouts with multiple outdoor units shown in ·(1)· (side to side) and ·(2)· (front to back/back to front) are only allowed in combination with wall-mounted indoor units, NOT in combination with floor-standing indoor units.



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EPSKS-AV3



- 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).

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10 Operation range

10 - 1 Operation Range

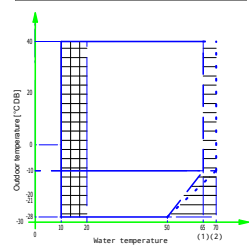
10

EPSKS-AV3

Domestic hot water heating mode

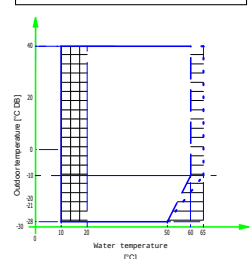
EPV* + EPS* + EPB* + EKHP* + EPB* + EKHS*200* + EKHS*250* + EKHS*300*

Third-party with identical specifications as 'EKHS*200'

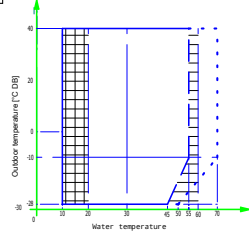


EPV*U* + EPB*U* + EKHS*200* + EKHS*250* + EKHS*300*

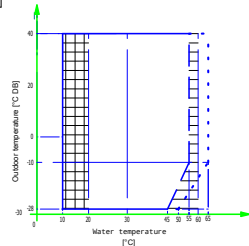
Third-party with identical specifications as 'EKHS*200'



EPB* + EKHS*150* + EKHS*180* + Third-party with identical specifications as 'EKHS*150'



EPB*U* + EKHS*150* + EKHS*180* + Third-party with identical specifications as 'EKHS*150'



Notes:

- In restricted power supply mode ('EKH*' only), the outdoor unit, booster heater and backup heater can only operate separately.
- Third-party with identical specifications as 'EKHS*150': Coil surface >1.05-m² and <3.7-m². Tank thermostat and booster heater above heat pump coil.
- 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.
- Third-party with identical specifications as 'EKHS*200': Coil surface >1.8-m² and <3.7-m². Tank thermostat and booster heater above heat pump coil.

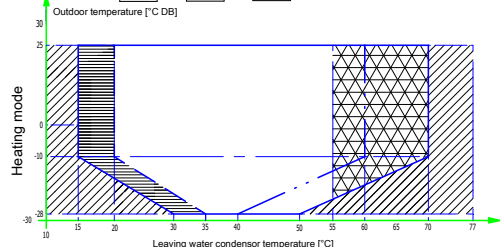
Legend:

- 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

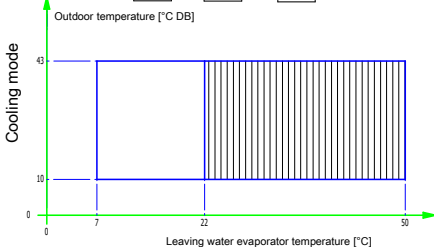
3D159548

EPSKS-AV3

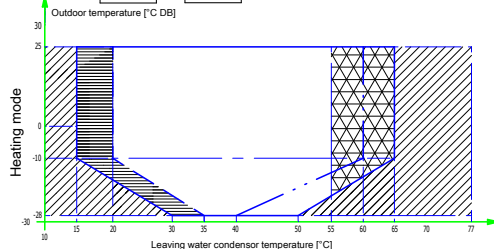
EPV* + EPB* + EPS*



EPV* + EPB* + EPS*



EPV*U* + EPB*U*



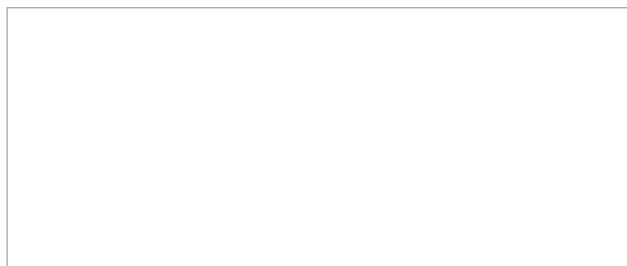
Legend

- 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 ΔT = -10°C (ΔT = outlet temperature - inlet temperature)
- Pull-down area
- Minimum setpoint
- Maximum start inlet water temperature
- Minimum water temperature to start defrost

Notes

- Tank preheating. For details, see the installer reference guide.
- 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.
- In restricted power supply mode, the outdoor unit and backup heater can only operate separately.

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EEDEN26A

09/2026



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