



Daikin Altherma high
temperature split
Technical Data
EPSK08-10AW1



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EPSK08-10AW1

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1 Features

1 - 1 EPSK08-10AW1

- › 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



-28°

Guaranteed operation down to -28°C



Onecta app (optional)



Online controller

2 Specifications

2 - 1 Specifications

Technical specifications				EPBX10A4V + EPSK08AW1	EPBX10A4V + EPSK10AW1		
Indoor unit				EPBX10AF4V			
Outdoor unit				EPSK08ARW1	EPSK10ARW1		
Heating capacity	Nom.	kW		7.62 (1)	8.11 (1)		
Cooling capacity	Nom.	kW		6.89 (2) / 6.37 (3)	7.84 (2) / 6.37 (3)		
Power input	Heating	Nom.	kW	1.52 (1)	1.64 (1)		
	Cooling	Nom.	kW	1.85 (2) / 1.13 (3)	2.17 (2) / 1.13 (3)		
COP				5.01 (1)			
EER				3.73 (2) / 5.63 (3)			
Pump	Nominal ESP	Heating unit	kPa	59.3			
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	0.023			
		Psb (Standby mode)	kW	0.023			
		Pto (Thermostat off)	kW	0.029			
	Integrated supplementary heater	Psup	kW	4.5			
	Type of energy input		Electrical				
Space heating 	Average climate water outlet 55°C	General	Annual energy consumption	kWh	3,929	4,403	
			ηs (Seasonal space heating efficiency)	%	155	157	
			Prated at -10°C	kW	7.5	8.5	
			SCOP		3.94	3.99	
			Seasonal space heating eff. class		A+++		
		A Condition (-7°CDB/-8°CWB)	Cdh (Degradation heating)		1		
			COPd		2.64	2.62	
			Pdh	kW	6.6	7.4	
	PERd	%	105.5	104.9			

2 Specifications

2 - 1 Specifications

Technical specifications				EPBX10A4V + EPSK08AW1	EPBX10A4V + EPSK10AW1
Space heating Average climate water outlet 55°C	B Condition (2°CDB/1°CWB)	Cdh (Degradation heating)		1	
		COPd		3.92	3.98
		Pdh	kW	4.1	4.7
		PERd	%	156.8	159.1
	C Condition (7°CDB/6°CWB)	Cdh (Degradation heating)		1	
		COPd		4.8	4.93
		Pdh	kW	2.6	2.9
		PERd	%	192.1	197
	D Condition (12°CDB/11°CWB)	Cdh (Degradation heating)		0.9	
		COPd		6.45	6.52
		Pdh	kW	2.8	
		PERd	%	258	260.8
	Tol (temperature operating limit)	COPd		2.11	
		Pdh	kW	6.7	
		PERd	%	84.2	
		TOL	°C	-10	
	Rated heat output supplementary capacity	WTOL		55	
		Psup (at Tdesign -10°C)	kW	0.8	1.8
		Tbiv (bivalent temperature)	°C		
		COPd		2.64	2.62
Cold climate water outlet 55°C	General	Annual energy consumption		5,400	6,008
		ηs (Seasonal space heating efficiency)	%	134	136
		Prated at -22°C	kW	7.5	8.5
		Cdh (Degradation heating)		1	
A Condition (-7°CDB/-8°CWB)	COPd		2.98	3.01	
	Pdh	kW	4.5	5.2	
	PERd	%	119.1	120.5	
	Cdh (Degradation heating)		1		
B Condition (2°CDB/1°CWB)	COPd		3.99	4.18	
	Pdh	kW	2.9	3.4	
	PERd	%	159.5	167.4	
	Cdh (Degradation heating)		0.9		
C Condition (7°CDB/6°CWB)	COPd		5.09	5.11	
	Pdh	kW	2.4		
	PERd	%	203.4	204.2	
	Cdh (Degradation heating)				

2 Specifications

2 - 1 Specifications

Technical specifications			EPBX10A4V + EPSK08AW1		EPBX10A4V + EPSK10AW1				
Space heating 	Cold climate water outlet 55°C	D Condition (12°CDB- B/11°CWB)	COPd	6.55		6.38			
			Pdh		2.9				
		PERd	262		255.2				
		Tol (tem- perature operating limit)	COPd		1.51				
			Pdh		4.8				
			PERd		60.4				
			TOL		-22				
		G Condition (-15°CDB/-)	COPd	2.24		2.19			
			Pdh	6.1		6.8			
			PERd	89.6		87.4			
	Tbiv (bivalent tempera- ture)	COPd	2.24		2.19				
		Pdh	6.1		6.8				
		PERd	89.6		87.4				
	Rated heat output sup- plementary capacity	Psup (at Tdesign -22°C)	kW	2.7		3.7			
	Warm climate water outlet 55°C	General	Annual energy consumption	kWh	2,326		2,499		
					ηs (Seasonal space heating efficiency)	%	185		179
							Prated at 2°C	8.2	
		B Condition (2°CDB- B/11°CWB)	Cdh (Degradation heating)	COPd	1				
					3.04				
					Pdh	6.1			
					PERd	121.5			
		C Condition (7°CDB- B/6°CWB)	Cdh (Degradation heating)	COPd	1				
4.08									
Pdh					5.2				
PERd					163.3				
D Condition (12°CDB- B/11°CWB)		Cdh (Degradation heating)	COPd	0.9					
				5.99					
				Pdh	2.8				
				PERd	239.4				
Tbiv (bivalent tempera- ture)		COPd	Pdh	3.45		3.51			
	6.9				7.4				
	PERd			138.1		140.2			
	Tbiv				4				
Average climate water outlet 35°C	General	Annual energy consumption	kWh	3,017		3,415			
				ηs (Seasonal space heating efficiency)	202		203		

2 Specifications

2 - 1 Specifications

Technical specifications				EPBX10A4V + EPSK08AW1	EPBX10A4V + EPSK10AW1
Space heating Average climate water outlet 35°C	General	Prated at -10°C	kW	7.5	8.5
		SCOP		5.14	
		Seasonal space heating eff. class		A+++	
	A Condition (-7°CDB)	COPd		3.4	3.31
		Pdh	kW	6.7	7.5
	B/-8°CWB)	PERd	%	136.1	132.4
	B Condition (2°CDB)	Cdh (Degradation heating)		1	
		COPd		5.06	5.07
		Pdh	kW	4	4.6
		PERd	%	202.2	203
	C Condition (7°CDB)	Cdh (Degradation heating)		0.9	1
		COPd		6.43	6.48
		Pdh	kW	2.7	2.9
		PERd	%	257	259.2
	D Condition (12°CDB)	Cdh (Degradation heating)		0.9	
		COPd		8.23	8.3
		Pdh	kW	2.9	
		PERd	%	329	332.2
	Tol (temperature operating limit)	COPd		2.97	2.84
		Pdh	kW	7.4	8.3
		PERd	%	118.6	113.4
		TOL	°C		-10
		WTOL	°C		35
	G Condition (-15°CDB/-)	PERd	%		0
	Tbiv (bivalent temperature)	COPd		2.97	2.84
		Pdh	kW	7.4	8.3
		PERd	%	118.6	113.4
	Tbiv	°C		-10	
Rated heat output supplementary capacity	Psup (at Tdesign -10°C)	kW		0	
Cold climate water outlet 35°C	General	Annual energy consumption	kWh	4,314	4,957
		ηs (Seasonal space heating efficiency)	%	168	166
		Prated at -22°C	kW	7.5	8.5
	A Condition (-7°CDB)	COPd		3.84	3.83
		Pdh	kW	4.6	5
	B/-8°CWB)	PERd	%	153.7	153.1
	B Condition (2°CDB)	Cdh (Degradation heating)		1	
		COPd		4.94	4.84

2 Specifications

2 - 1 Specifications

Technical specifications					EPBX10A4V + EPSK08AW1		EPBX10A4V + EPSK10AW1		
Space heating 	Cold climate water outlet 35°C	B Condition (2°CDB/B/1°CWB)	Pdh	kW	2.9		3.2		
			PERd	%	197.4		193.8		
		C Condition (7°CDB/B/6°CWB)	Cdh (Degradation heating)			0.9			
			COPd		6.43		6.47		
			Pdh	kW		2.5			
			PERd	%	257.3		258.8		
		D Condition (12°CDB/B/11°CWB)	Cdh (Degradation heating)			0.9			
			COPd		7.85		7.98		
			Pdh	kW		2.9			
			PERd	%	314.2		319.3		
		Tol (temperature operating limit)	COPd			2.18			
			Pdh		kW	5.1			
			PERd		%	87			
			TOL		°C	-22			
		Warm climate water outlet 35°C	General	WTOL		°C	35		
				G Condition (-15°CDB/-)		COPd		2.75	2.65
				Pdh		kW	6	6.9	
				PERd		%	110.1	105.8	
				Tbiv (bivalent temperature)		COPd		2.75	2.65
				Pdh		kW	6	6.9	
PERd				%	110.1	105.8			
Tbiv				°C	-15				
Rated heat output supplementary capacity				Psup (at Tdesign -22°C)		kW	2.4	3.4	
Annual energy consumption				kWh	1,573	1,765			
ηs (Seasonal space heating efficiency) Prated at 2°C		%	252	254					
	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			5.86	5.84		
		Pdh		kW	5	5.9			
		PERd		%	234.6	233.7			
		Tbiv (bivalent temperature)	COPd			4.79	4.72		
			Pdh		kW	6.3	7.1		
PERd		%	191.4	188.7					
Space heating 	Warm climate water outlet 35°C	Tbiv (bivalent temperature)	Tbiv		°C	4			
			D Condition (12°CDB/B/11°CWB)		Cdh (Degradation heating)			0.9	
		COPd			8	8.18			
		Pdh		kW		2.9			
PERd		%	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 + EPSK08AW1		EPBX10A9W + EPSK10AW1	
Indoor unit					EPBX10AF9W			
Outdoor unit					EPSK08ARW1		EPSK10ARW1	
Heating capacity	Nom.		kW	7.62 (1)		8.11 (1)		
Cooling capacity	Nom.		kW	6.89 (2) / 6.37 (3)		7.84 (2) / 6.37 (3)		
Power input	Heating	Nom.	kW	1.52 (1)		1.64 (1)		
	Cooling	Nom.	kW	1.85 (2) / 1.13 (3)		2.17 (2) / 1.13 (3)		
COP					5.01 (1)		4.94 (1)	
EER					3.73 (2) / 5.63 (3)		3.62 (2) / 5.63 (3)	
Pump	Nominal ESP	Heating unit	kPa			59.3		

2 Specifications

2 - 1 Specifications

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Technical specifications				EPBX10A9W + EPSK08AW1	EPBX10A9W + EPSK10AW1	
General	Supplier/	Name and address		Daikin Europe N.V. - Zandvoordestraat 300, 8400 Oostende, Belgium		
	Manufactur- er details	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	0.023		
		Psb (Standby mode)	kW	0.023		
		Pto (Thermostat off)	kW	0.029		
	Integrated supplemen- tary heater	Psup		9		
		Type of energy input		Electrical		
Space heating 	Average climate water outlet 55°C	General	Annual energy consumption	kWh	3,929	4,403
			η_s (Seasonal space heating efficiency)	%	155	157
		Prated at -10°C		kW	7.5	8.5
		SCOP			3.94	3.99
		Seasonal space heating eff. class			A+++	
		Cd _h (Degradation heating)			1	
	A Condition (-7°C _D -	COP _d			2.64	2.62
	B/-8°C _{WB})	Pd _h		kW	6.6	7.4
	PER _d		%	105.5	104.9	

2 Specifications

2 - 1 Specifications

Technical specifications				EPBX10A9W + EPSK08AW1	EPBX10A9W + EPSK10AW1	
Space heating Average climate water outlet 55°C Cold climate water outlet 55°C	B Condition (2°CDB/1°CWB)	Cdh (Degradation heating)		1		
		COPd		3.92	3.98	
		Pdh (kW)		4.1	4.7	
		PERd (%)		156.8	159.1	
		C Condition (7°CDB/6°CWB)	Cdh (Degradation heating)		1	
			COPd		4.8	4.93
			Pdh (kW)		2.6	2.9
			PERd (%)		192.1	197
		D Condition (12°CDB/11°CWB)	Cdh (Degradation heating)		0.9	
			COPd		6.45	6.52
			Pdh (kW)		2.8	
			PERd (%)		258	260.8
	Tol (temperature operating limit)	COPd		2.11		
		Pdh (kW)		6.7		
		PERd (%)		84.2		
		TOL (°C)		-10		
		WTOL (°C)		55		
	Rated heat output supplementary capacity	Psup (at Tdesign -10°C) (kW)		0.8	1.8	
		T _{biv} (bivalent temperature)	COPd		2.64	2.62
			Pdh (kW)		6.6	7.4
			PERd (%)		105.6	104.8
			T _{biv} (°C)		-7	
	General	Annual energy consumption (kWh)		5,400	6,008	
		η _s (Seasonal space heating efficiency) (%)		134	136	
Prated at -22°C (kW)			7.5	8.5		
A Condition (-7°CDB/-8°CWB)		Cdh (Degradation heating)		1		
		COPd		2.98	3.01	
		Pdh (kW)		4.5	5.2	
		PERd (%)		119.1	120.5	
B Condition (2°CDB/1°CWB)		Cdh (Degradation heating)		1		
		COPd		3.99	4.18	
		Pdh (kW)		2.9	3.4	
	PERd (%)		159.5	167.4		
C Condition (7°CDB/6°CWB)	Cdh (Degradation heating)		0.9			
	COPd		5.09	5.11		
	Pdh (kW)		2.4			
	PERd (%)		203.4	204.2		

2 Specifications

2 - 1 Specifications

Technical specifications			EPBX10A9W + EPSK08AW1		EPBX10A9W + EPSK10AW1	
Space heating 	Cold climate water outlet 55°C	D Condition (12°CDB- B/11°CWB)	COPd	6.55		6.38
			Pdh		2.9	
		PERd	262		255.2	
		Tol (tem- perature operating limit)	COPd		1.51	
		Pdh		4.8		
		PERd		60.4		
		TOL		-22		
		WTOL		55		
		G Condition (-15°CDB/-)	COPd	2.24		2.19
			Pdh	6.1		6.8
	Tbiv (bivalent tempera- ture)	PERd	89.6		87.4	
		COPd	2.24		2.19	
		Pdh	6.1		6.8	
	Rated heat output sup- plementary capacity	PERd	89.6		87.4	
		Tbiv		-15		
	Warm climate water outlet 55°C	General	Psup (at Tdesign -22°C)	2.7		3.7
			Annual energy consumption	2,326		2,499
	Average climate water outlet 35°C	General	ηs (Seasonal space heating efficiency)	185		179
			Prated at 2°C	8.2		8.5
			Cdh (Degradation heating)		1	
B Condition (2°CDB- B/11°CWB)		COPd		3.04		
		Pdh		6.1		
		PERd		121.5		
C Condition (7°CDB- B/6°CWB)		Cdh (Degradation heating)		1		
		COPd		4.08		
		Pdh		5.2		
D Condition (12°CDB- B/11°CWB)		PERd		163.3		
		Cdh (Degradation heating)		0.9		
		COPd		5.99		
Tbiv (bivalent tempera- ture)		Pdh		2.8		
		PERd		239.4		
		COPd	3.45		3.51	
Average climate water outlet 35°C		General	Pdh	6.9		7.4
			PERd	138.1		140.2
Average climate water outlet 35°C		General	Tbiv		4	
	Annual energy consumption		3,017		3,415	
Average climate water outlet 35°C	General	ηs (Seasonal space heating efficiency)	202		203	

2 Specifications

2 - 1 Specifications

Technical specifications				EPBX10A9W + EPSK08AW1	EPBX10A9W + EPSK10AW1		
Space heating 	Average climate water outlet	General	Prated at -10°C	kW	7.5	8.5	
			SCOP			5.14	
	35°C	A Condition (-7°CDB)		Seasonal space heating eff. class		A+++	
				COPd		3.4	3.31
				Pdh	kW	6.7	7.5
		B Condition (2°CDB)		PERd	%	136.1	132.4
				Cdh (Degradation heating)		1	
				COPd		5.06	5.07
		B/11°CWB)		Pdh	kW	4	4.6
				PERd	%	202.2	203
				Cdh (Degradation heating)		0.9	1
		C Condition (7°CDB)		COPd		6.43	6.48
				Pdh	kW	2.7	2.9
				PERd	%	257	259.2
		D Condition (12°CDB)		Cdh (Degradation heating)		0.9	
				COPd		8.23	8.3
				Pdh	kW		2.9
	Tol (temperature operating limit)		PERd	%	329	332.2	
			COPd		2.97	2.84	
			Pdh	kW	7.4	8.3	
	G Condition (-15°CDB/-)		PERd	%	118.6	113.4	
			TOL	°C		-10	
			WTOL	°C		35	
	Tbiv (bivalent temperature)		PERd	%		0	
			COPd		2.97	2.84	
			Pdh	kW	7.4	8.3	
	Rated heat output supplementary capacity		PERd	%	118.6	113.4	
		Tbiv	°C		-10		
		Psup (at Tdesign -10°C)	kW		0		
Cold climate water outlet	General		Annual energy consumption	kWh	4,314	4,957	
			ηs (Seasonal space heating efficiency)	%	168	166	
			Prated at -22°C	kW	7.5	8.5	
	A Condition (-7°CDB)		COPd		3.84	3.83	
			Pdh	kW	4.6	5	
			PERd	%	153.7	153.1	
	B Condition (2°CDB)		Cdh (Degradation heating)		1		
			COPd		4.94	4.84	

2 Specifications

2 - 1 Specifications

Technical specifications				EPBX10A9W + EPSK08AW1	EPBX10A9W + EPSK10AW1	
Space heating 	Cold climate water outlet 35°C	B Condition (2°CDB/1°CWB)	Pdh	kW	2.9	3.2
			PERd	%	197.4	193.8
		C Condition (7°CDB/6°CWB)	Cdh (Degradation heating)		0.9	
			COPd		6.43	6.47
			Pdh	kW	2.5	
		D Condition (12°CDB/11°CWB)	PERd	%	257.3	258.8
			Cdh (Degradation heating)		0.9	
			COPd		7.85	7.98
		Tol (temperature operating limit)	Pdh	kW	2.9	
			PERd	%	314.2	319.3
			TOL	°C	-22	
		G Condition (-15°CDB/-)	WTOL	°C	35	
			COPd		2.75	2.65
			Pdh	kW	6	6.9
		Tbiv (bivalent temperature)	PERd	%	110.1	105.8
			COPd		2.75	2.65
			Pdh	kW	6	6.9
		Rated heat output supplementary capacity	PERd	%	110.1	105.8
			Tbiv	°C	-15	
			Psup (at Tdesign -22°C)	kW	2.4	3.4
Warm climate water outlet 35°C	General	Annual energy consumption	kWh	1,573	1,765	
		ηs (Seasonal space heating efficiency)	%	252	254	
		Prated at 2°C	kW	7.5	8.5	
	B Condition (2°CDB/1°CWB)	Cdh (Degradation heating)		1		
		COPd		4.39		
		Pdh	kW	5.2		
	C Condition (7°CDB/6°CWB)	PERd	%	175.4		
		Cdh (Degradation heating)		1		
		COPd		5.86	5.84	
	Tbiv (bivalent temperature)	Pdh	kW	5	5.9	
		PERd	%	234.6	233.7	
		COPd		4.79	4.72	
Space heating 	Warm climate water outlet 35°C	Pdh	kW	6.3	7.1	
		PERd	%	191.4	188.7	
		Tbiv	°C	4		
D Condition (12°CDB/11°CWB)	Cdh (Degradation heating)		0.9			
	COPd		8	8.18		
	Pdh	kW	2.9			
PERd	%	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 + EPSK08AW1	EPSX10P50A + EPSK08AW1	EPSX10P30A + EPSK10AW1	EPSX10P50A + EPSK10AW1
Indoor unit				EPSX10P30AF	EPSX10P50AF	EPSX10P30AF	EPSX10P50AF
Outdoor unit				EPSK08ARW1		EPSK10ARW1	
Heating capacity	Nom.		kW	7.62 (1)		8.11 (1)	
Cooling capacity	Nom.		kW	6.89 (2) / 6.37 (3)		7.84 (2) / 6.37 (3)	
Power input	Heating	Nom.	kW	1.52 (1)		1.64 (1)	
	Cooling	Nom.	kW	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
Heat up time from 10°C to 50°C			hr	2h 21min	3h 34min	2h 21min	3h 34min
COP				5.01 (1)		4.94 (1)	
EER				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 + EPSK08AW1	EPSX10P50A + EPSK08AW1	EPSX10P30A + EPSK10AW1	EPSX10P50A + EPSK10AW1	
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)	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				
		Poff (Off mode)	kW				
		Psb (Standby mode)	kW				
		Pto (Thermostat off)	kW				
Domestic hot water heating	General	Declared load profile	L	XL	L	XL	
		Space heating general	Integrated supplementary heater	Psup	kW		
			9				
			Electrical				
Domestic hot water heating	Average climate	AEC (Annual electricity consumption)	kWh				
		COPdhw					
		Heat up time					
		Mixed water at 40°C	l				
		η _{wh} (water heating efficiency)	%				
		Qelec (Daily electricity consumption)	kWh				
		Reference hot water temperature	°C				
Domestic hot water heating	Average climate	Stand-by power input	W				
		Water heating energy efficiency class					
	Cold climate	AEC (Annual electricity consumption)	kWh				
		COPdhw					
		Heat up time					
		Mixed water at 40°C	l				
		η _{wh} (water heating efficiency)	%				
		Qelec (Daily electricity consumption)	kWh				
		Reference hot water temperature	°C				
	Warm climate	Stand-by power input	W				
		AEC (Annual electricity consumption)	kWh				
		COPdhw					
		Heat up time					
		Mixed water at 40°C	l				
η _{wh} (water heating efficiency)		%					
Qelec (Daily electricity consumption)		kWh					
Reference hot water temperature	°C						

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Technical specifications				EPSX10P30A + EPSK08AW1	EPSX10P50A + EPSK08AW1	EPSX10P30A + EPSK10AW1	EPSX10P50A + EPSK10AW1		
Space heating 	Average climate water outlet 55°C	General	Annual energy consumption	kWh	3,929		4,403		
			ηs (Seasonal space heating efficiency)	%	155		157		
			Prated at -10°C	kW	7.5		8.5		
			SCOP		3.94		3.99		
			Seasonal space heating eff. class			A+++			
			A Condition (-7°CDB)	Cdh (Degradation heating)		1			
				COPd	2.64		2.62		
			B/-8°CWB)	Pdh	6.6		7.4		
				PERd	105.5		104.9		
			B Condition (2°CDB)	Cdh (Degradation heating)		1			
				COPd	3.92		3.98		
			B/1°CWB)	Pdh	4.1		4.7		
				PERd	156.8		159.1		
			C Condition (7°CDB)	Cdh (Degradation heating)		1			
				COPd	4.8		4.93		
			B/6°CWB)	Pdh	2.6		2.9		
				PERd	192.1		197		
			D Condition (12°CDB)	Cdh (Degradation heating)		0.9			
				COPd	6.45		6.52		
			Space heating 	Average climate water outlet 55°C	D Condition (12°CDB/11°CWB)	Pdh	kW		2.8
PERd	%	258					260.8		
Tol (temperature operating limit)						2.11			
	Pdh	kW				6.7			
	PERd	%				84.2			
	TOL	°C				-10			
	WTOL	°C				55			
Rated heat output supplementary capacity	Psup (at Tdesign -10°C)	kW				0.8		1.8	
Tbiv (bivalent temperature)	COPd	2.64					2.62		
	Pdh	kW				6.6	7.4		
	PERd	%				105.6	104.8		
	Tbiv	°C					-7		
Cold climate water outlet 55°C	General	Annual energy consumption				kWh	5,400		6,008
		ηs (Seasonal space heating efficiency)				%	134		136
		Prated at -22°C				kW	7.5		8.5
		A Condition (-7°CDB)				Cdh (Degradation heating)		1	
						COPd	2.98		3.01
		B/-8°CWB)				Pdh	4.5		5.2
						PERd	119.1		120.5
		B Condition (2°CDB)				Cdh (Degradation heating)		1	
			COPd	3.99		4.18			
		B/1°CWB)	Pdh	2.9		3.4			
			PERd	159.5		167.4			
		C Condition (7°CDB)	Cdh (Degradation heating)		0.9				
			COPd	5.09		5.11			
		B/6°CWB)	Pdh		2.4				
			PERd			204.2			
		D Condition (12°CDB)	COPd	6.55		6.38			
		B/11°CWB)	Pdh	kW	2.9				
			PERd	%	262				
			Tol (temperature operating limit)		1.51				
			Pdh	kW	4.8				
	PERd	%	60.4						
	TOL	°C	-22						
	WTOL	°C	55						
G Condition (-15°CDB/-)	COPd	2.24		2.19					
	Pdh	kW	6.1	6.8					

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Technical specifications				EPSX10P30A + EPSK08AW1	EPSX10P50A + EPSK08AW1	EPSX10P30A + EPSK10AW1	EPSX10P50A + EPSK10AW1	
Space heating 	Cold climate water outlet 55°C	G Condition	PERd	%	89.6		87.4	
		(bivalent tempera- ture)	Tbiv	COPd		2.24		2.19
			Pdh		kW	6.1		6.8
			PERd		%	89.6		87.4
			Tbiv		°C		-15	
			Rated heat output sup- plementary capacity	Psup (at Tdesign -22°C)		kW	2.7	
	Warm climate water outlet 55°C	General	Annual energy consumption		kWh	2,326		2,499
			ηs (Seasonal space heating efficiency)		%	185		179
			Prated at 2°C		kW	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				4.08	
			Pdh		kW		5.2	
			PERd		%		163.3	
		D Condition (12°C- B/11°CWB)	Cdh (Degradation heating)				0.9	
			COPd				5.99	
			Pdh		kW		2.8	
			PERd		%		239.4	
	(bivalent tempera- ture)	Tbiv	COPd		3.45		3.51	
		Pdh		kW	6.9		7.4	
		PERd		%	138.1		140.2	
		Tbiv		°C		4		
		Average climate water outlet 35°C	General	Annual energy consumption		kWh	3,017	
	ηs (Seasonal space heating efficiency)				%	202		203
Prated at -10°C				kW	7.5		8.5	
SCOP						5.14		
Seasonal space heating eff. class						A+++		
A Condition (-7°C- B/-8°CWB)	COPd				3.4		3.31	
	Pdh			kW	6.7		7.5	
B Condition (2°C- B/1°CWB)	PERd		%	136.1		132.4		
	Cdh (Degradation heating)				1			
	COPd			5.06		5.07		
Pdh		kW		4		4.6		
	PERd		%	202.2		203		

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Technical specifications				EPSX10P30A + EPSK08AW1	EPSX10P50A + EPSK08AW1	EPSX10P30A + EPSK10AW1	EPSX10P50A + EPSK10AW1	
Space heating 	Average climate water outlet 35°C	C Condition (7°CDB- B/6°CWB)	Cdh (Degradation heating)	0.9			1	
			COPd	6.43			6.48	
			Pdh kW	2.7			2.9	
			PERd %	257			259.2	
		D Condition (12°CDB- B/11°CWB)	Cdh (Degradation heating)			0.9		
			COPd		8.23			8.3
			Pdh kW			2.9		
			PERd %		329			332.2
		Tol (tem- perature operating limit)	COPd		2.97			2.84
			Pdh kW		7.4			8.3
	PERd %			118.6			113.4	
	TOL °C				-10			
	G Condition (-15°CDB/-)	WTOL °C			35			
		PERd %			0			
		Tbiv	COPd	2.97			2.84	
		Pdh kW	7.4			8.3		
	Rated heat output sup- plementary capacity	PERd %	118.6			113.4		
		Tbiv °C			-10			
		Psup (at Tdesign -10°C) kW			0			
Cold climate water outlet 35°C	General	Annual energy consumption kWh	4,314			4,957		
		ηs (Seasonal space heating efficiency) %	168			166		
		Prated at -22°C kW	7.5			8.5		
	A Condition (-7°CDB- B/-8°CWB)	COPd	3.84			3.83		
		Pdh kW	4.6			5		
		PERd %	153.7			153.1		
	B Condition (2°CDB- B/1°CWB)	Cdh (Degradation heating)			1			
		COPd	4.94			4.84		
		Pdh kW	2.9			3.2		
		PERd %	197.4			193.8		
C Condition (7°CDB- B/6°CWB)	Cdh (Degradation heating)			0.9				
	COPd	6.43			6.47			
	Pdh kW			2.5				
	PERd %	257.3			258.8			
D Condition (12°CDB- B/11°CWB)	Cdh (Degradation heating)			0.9				
	COPd	7.85			7.98			
	Pdh kW			2.9				
	PERd %	314.2			319.3			

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Technical specifications				EPSX10P30A + EPSK08AW1	EPSX10P50A + EPSK08AW1	EPSX10P30A + EPSK10AW1	EPSX10P50A + EPSK10AW1		
Space heating 	Cold climate water outlet 35°C	Tol (tem- perature operating limit)	COPd			2.18			
			Pdh	kW		5.1			
			PERd	%		87			
			TOL	°C		-22			
			WTOL	°C		35			
			G Condition (-15°CDB/-)	COPd		2.75		2.65	
		Pdh	kW		6		6.9		
		PERd	%		110.1		105.8		
		Tbiv	COPd		2.75		2.65		
		(bivalent tempera- ture)	Pdh	kW		6		6.9	
			PERd	%		110.1		105.8	
			Tbiv	°C			-15		
	Rated heat output sup- plementary capacity	Psup (at Tdesign -22°C)	kW		2.4		3.4		
	Warm climate water outlet 35°C	General	Annual energy consumption	kWh		1,573		1,765	
			ηs (Seasonal space heating efficiency)	%		252		254	
			Prated at 2°C	kW		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			5.86		5.84	
			Pdh	kW		5		5.9	
		PERd	%		234.6		233.7		
Tbiv		COPd		4.79		4.72			
(bivalent tempera- ture)	Pdh	kW		6.3		7.1			
	PERd	%		191.4		188.7			
	Tbiv	°C			4				
D Condition (12°CDB- B/11°CWB)	Cdh (Degradation heating)				0.9				
	COPd			8		8.18			
	Pdh	kW			2.9				
PERd	%		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 + EPSK08AW1	EPSXB10P50A + EPSK08AW1	EPSXB10P30A + EPSK10AW1	EPSXB10P50A + EPSK10AW1
Indoor unit				EPSXB10P30AF	EPSXB10P50AF	EPSXB10P30AF	EPSXB10P50AF
Outdoor unit				EPSK08ARW1		EPSK10ARW1	
Heating capacity	Nom.		kW	7.62 (1)		8.11 (1)	
Cooling capacity	Nom.		kW	6.89 (2) / 6.37 (3)		7.84 (2) / 6.37 (3)	
Power input	Heating	Nom.	kW	1.52 (1)		1.64 (1)	
	Cooling	Nom.	kW	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
Heat up time from 10°C to 50°C			hr	2h 21min	3h 34min	2h 21min	3h 34min
COP				5.01 (1)		4.94 (1)	
EER				3.73 (2) / 5.63 (3)		3.62 (2) / 5.63 (3)	
Pump	Nominal ESP unit	Heating	kPa	54.4			
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)	dB(A)	49			

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Technical specifications			EPSXB10P30A + EPSK08AW1	EPSXB10P50A + EPSK08AW1	EPSXB10P30A + EPSK10AW1	EPSXB10P50A + EPSK10AW1	
LW(A) Sound power level dB(A) (according to EN14825)		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	0.023				
		Psb (Standby mode) kW	0.023				
		Pto (Thermostat off) kW	0.029				
Domestic hot water heating	General	Declared load profile	L	XL	L	XL	
		Space heating general	Integrated supplementary heater	Electrical			
Domestic hot water heating	Average climate	AEC (Annual electricity consumption) kWh	1,016	1,352	1,016	1,352	
		COPdhw	2.52	3.1	2.52	3.1	
		Heat up time	2h 13min	3h 18min	2h 13min	3h 18min	
		Mixed water at 40°C I	155.4	253.4	155.4	253.4	
		η _{wh} (water heating efficiency) %	101	124	101	124	
		Qelec (Daily electricity consumption) kWh	4.628	6.158	4.628	6.158	
		Reference hot water temperature °C	45.2	44.5	45.2	44.5	
Domestic hot water heating	Average climate	Stand-by power input W	50				
		Water heating energy efficiency class	A	A+	A	A+	
		Cold climate	AEC (Annual electricity consumption) kWh	1,199	1,597	1,199	1,597
	COPdhw		2.14	2.62	2.14	2.62	
	Heat up time		2h 29min	3h 52min	2h 29min	3h 52min	
	Mixed water at 40°C I		155.4	253.4	155.4	253.4	
	η _{wh} (water heating efficiency) %		85	105	85	105	
	Qelec (Daily electricity consumption) kWh		4.662	7.273	4.662	7.273	
	Reference hot water temperature °C		45.2	44.5	45.2	44.5	
	Warm climate	Stand-by power input W	50				
		AEC (Annual electricity consumption) kWh	883	1,163	883	1,163	
		COPdhw	2.9	3.6	2.9	3.6	
		Heat up time	2h 05min	2h 55min	2h 05min	2h 55min	
Mixed water at 40°C I		155.4	253.4	155.4	253.4		
η _{wh} (water heating efficiency) %		116	144	116	144		
Space heating	Average climate water outlet 55°C	General	Annual energy consumption kWh	3,929		4,403	
			η _s (Seasonal space heating efficiency) %	155		157	
			Prated at -10°C kW	7.5		8.5	
			SCOP	3.94		3.99	
			Seasonal space heating eff. class	A+++			
		A Condition (-7°CDB/-8°CWB)	Cdh (Degradation heating)	1			
			COPd	2.64		2.62	
			Pdh kW	6.6		7.4	
		B Condition (2°CDB/1°CWB)	PERd %	105.5		104.9	
			Cdh (Degradation heating)	1			
			COPd	3.92		3.98	
		C Condition (7°CDB/6°CWB)	Pdh kW	4.1		4.7	
			PERd %	156.8		159.1	
			Cdh (Degradation heating)	1			
		D Condition (12°CDB)	COPd	4.8		4.93	
			Pdh kW	2.6		2.9	
			PERd %	192.1		197	
		Cdh (Degradation heating)	0.9				
		COPd	6.45		6.52		

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Technical specifications				EPSXB10P30A + EPSK08AW1	EPSXB10P50A + EPSK08AW1	EPSXB10P30A + EPSK10AW1	EPSXB10P50A + EPSK10AW1	
Space heating 	Average climate water outlet 55°C	D Condition (12°CDB/11°CWB)	Pdh PERd	kW %	258	2.8	260.8	
		Tol (tem- perature operating limit)	COPd Pdh PERd TOL WTOL	kW %		2.11 6.7 84.2 -10 55		
		Rated heat output sup- plementary capacity	Psup (at Tdesign -10°C)	kW	0.8		1.8	
		Tbiv (bivalent tempera- ture)	COPd		2.64		2.62	
			Pdh	kW	6.6		7.4	
			PERd	%	105.6		104.8	
			Tbiv	°C		-7		
		Cold climate water outlet 55°C	General	Annual energy consumption	kWh	5,400		6,008
				ηs (Seasonal space heating efficiency)	%	134		136
				Prated at -22°C	kW	7.5		8.5
	A Condition (-7°CDB/-8°CWB)		Cdh (Degradation heating)			1		
			COPd		2.98		3.01	
			Pdh PERd	kW %	4.5 119.1		5.2 120.5	
	B Condition (2°CDB/1°CWB)		Cdh (Degradation heating)			1		
			COPd		3.99		4.18	
			Pdh PERd	kW %	2.9 159.5		3.4 167.4	
	C Condition (7°CDB/6°CWB)		Cdh (Degradation heating)			0.9		
		COPd		5.09		5.11		
		Pdh PERd	kW %	203.4	2.4	204.2		
	D Condition (12°CDB/11°CWB)	COPd		6.55		6.38		
Pdh PERd		kW %	262	2.9	255.2			
Tol (tem- perature operating limit)		COPd Pdh PERd TOL WTOL	kW %		1.51 4.8 60.4 -22 55			
		G Condition (-15°CDB/-)	COPd Pdh		2.24 6.1	2.19 6.8		

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Technical specifications				EPSXB10P30A + EPSK08AW1	EPSXB10P50A + EPSK08AW1	EPSXB10P30A + EPSK10AW1	EPSXB10P50A + EPSK10AW1	
Space heating	Cold climate water outlet 55°C	G Condition	PERd	%	89.6		87.4	
			COPd		2.24		2.19	
		(bivalent tempera- ture)	Pdh	kW	6.1		6.8	
			PERd	%	89.6		87.4	
			Tbiv	°C		-15		
		Rated heat output sup- plementary capacity	Psup (at Tdesign -22°C)	kW	2.7		3.7	
		Warm climate water outlet 55°C	General	Annual energy consumption	kWh	2,326		2,499
				ηs (Seasonal space heating efficiency)	%	185		179
				Prated at 2°C	kW	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			4.08		
			Pdh	kW		5.2		
		PERd	%		163.3			
	D Condition (12°C- B/11°CWB)	Cdh (Degradation heating)			0.9			
		COPd			5.99			
		Pdh	kW		2.8			
	PERd	%		239.4				
	Tbiv	COPd		3.45		3.51		
	(bivalent tempera- ture)	Pdh	kW	6.9		7.4		
		PERd	%	138.1		140.2		
		Tbiv	°C		4			
Average climate water outlet 35°C	General	Annual energy consumption	kWh	3,017		3,415		
		ηs (Seasonal space heating efficiency)	%	202		203		
		Prated at -10°C	kW	7.5		8.5		
		SCOP			5.14			
		Seasonal space heating eff. class			A+++			
	A Condition (-7°C- B/-8°CWB)	COPd		3.4		3.31		
		Pdh	kW	6.7		7.5		
		PERd	%	136.1		132.4		
	B Condition (2°C- B/1°CWB)	Cdh (Degradation heating)			1			
		COPd		5.06		5.07		
	Pdh	kW	4		4.6			
	PERd	%	202.2		203			

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Technical specifications				EPSXB10P30A + EPSK08AW1	EPSXB10P50A + EPSK08AW1	EPSXB10P30A + EPSK10AW1	EPSXB10P50A + EPSK10AW1	
Space heating 	Average climate water outlet 35°C	C Condition (7°CDB/6°CWB)	Cdh (Degradation heating)	0.9			1	
			COPd	6.43			6.48	
			Pdh kW	2.7			2.9	
			PERd %	257			259.2	
		D Condition (12°CDB/11°CWB)	Cdh (Degradation heating)			0.9		
			COPd	8.23			8.3	
			Pdh kW			2.9		
			PERd %	329			332.2	
		Tol (temperature operating limit)	COPd	2.97			2.84	
			Pdh kW	7.4			8.3	
	PERd %		118.6			113.4		
	TOL °C				-10			
	G Condition (-15°CDB/-)	WTOL °C			35			
		PERd %			0			
		Tbiv (bivalent temperature)			-10			
		Tbiv °C						
	Rated heat output supplementary capacity	Psup (at Tdesign -10°C) kW			0			
		COPd	2.97			2.84		
		Pdh kW	7.4			8.3		
		PERd %	118.6			113.4		
Cold climate water outlet 35°C	General	Annual energy consumption kWh	4,314			4,957		
		ηs (Seasonal space heating efficiency) %	168			166		
		Prated at -22°C kW	7.5			8.5		
	A Condition (-7°CDB/8°CWB)	COPd	3.84			3.83		
		Pdh kW	4.6			5		
		PERd %	153.7			153.1		
	B Condition (2°CDB/1°CWB)	Cdh (Degradation heating)			1			
		COPd	4.94			4.84		
		Pdh kW	2.9			3.2		
		PERd %	197.4			193.8		
C Condition (7°CDB/6°CWB)	Cdh (Degradation heating)			0.9				
	COPd	6.43			6.47			
	Pdh kW			2.5				
	PERd %	257.3			258.8			
D Condition (12°CDB/11°CWB)	Cdh (Degradation heating)			0.9				
	COPd	7.85			7.98			
	Pdh kW			2.9				
	PERd %	314.2			319.3			

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Technical specifications				EPSXB10P30A + EPSK08AW1	EPSXB10P50A + EPSK08AW1	EPSXB10P30A + EPSK10AW1	EPSXB10P50A + EPSK10AW1	
Space heating	Cold climate water outlet 35°C	Tol (tem- perature operating limit)	COPd			2.18		
			Pdh	kW		5.1		
			PERd	%		87		
			TOL	°C		-22		
			WTOL	°C		35		
		G Condition (-15°CDB/-)	COPd		2.75		2.65	
			Pdh	kW	6		6.9	
			PERd	%	110.1		105.8	
		Tbiv (bivalent tempera- ture)	COPd		2.75		2.65	
			Pdh	kW	6		6.9	
	PERd		%	110.1		105.8		
	Tbiv		°C		-15			
	Rated heat output sup- plementary capacity	Psup (at Tdesign -22°C)	kW	2.4		3.4		
	Warm climate water outlet 35°C	General	Annual energy consumption	kWh	1,573		1,765	
			ηs (Seasonal space heating efficiency)	%	252		254	
			Prated at 2°C	kW	7.5		8.5	
		B Condition (2°CDB- B/1°CWB)	Cdh (Degradation heating)			1		
			COPd			4.39		
			Pdh	kW		5.2		
		C Condition (7°CDB- B/6°CWB)	Cdh (Degradation heating)			1		
COPd				5.86		5.84		
Pdh			kW	5		5.9		
Tbiv (bivalent tempera- ture)		COPd		4.79		4.72		
	Pdh	kW	6.3		7.1			
	PERd	%	191.4		188.7			
	Tbiv	°C		4				
D Condition (12°CDB- B/11°CWB)	Cdh (Degradation heating)			0.9				
	COPd		8		8.18			
	Pdh	kW		2.9				
		PERd	%	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 + EPSK08AW1	EPVX10S23A4V + EPSK08AW1	EPVX10S18A4V + EPSK10AW1	EPVX10S23A4V + EPSK10AW1
Indoor unit				EPVX10S18AJ4V	EPVX10S23AJ4V	EPVX10S18AJ4V	EPVX10S23AJ4V
Outdoor unit				EPSK08ARW1		EPSK10ARW1	
Heating capacity	Nom.		kW	7.62 (1)		8.11 (1)	
Cooling capacity	Nom.		kW	6.89 (2) / 6.37 (3)		7.84 (2) / 6.37 (3)	
Power input	Heating	Nom.	kW	1.52 (1)		1.64 (1)	
	Cooling	Nom.	kW	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
Heat up time from 10°C to 50°C			hr	1h 27min	1h 58min	1h 27min	1h 58min
COP				5.01 (1)		4.94 (1)	
EER				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)		dB(A)	45		

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Technical specifications			EPVX10S18A4V + EPSK08AW1	EPVX10S23A4V + EPSK08AW1	EPVX10S18A4V + EPSK10AW1	EPVX10S23A4V + EPSK10AW1
LW(A) Sound power level	dB(A)	dB(A)	45		47	
(according to EN14825)						
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)	0.023			
		Psb (Standby mode)	0.023			
		Pto (Thermostat off)	0.029			
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)	881			
		COPdhw	2.91			
		Heat up time	1h 13min	1h 39min	1h 13min	1h 39min
		Mixed water at 40°C	203.6	253.3	203.6	253.3
		η _{wh} (water heating efficiency)	116			
		Qelec (Daily electricity consumption)	4.01			
Domestic hot water heating	Average climate	Reference hot water temperature	47	47.4	47	47.4
		Stand-by power input	43.9			
		Water heating energy efficiency class	A+			
	Cold climate	AEC (Annual electricity consumption)	1,024			
		COPdhw	2.5			
		Heat up time	1h 13min	1h 39min	1h 13min	1h 39min
		Mixed water at 40°C	203.6	253.3	203.6	253.3
		η _{wh} (water heating efficiency)	100			
		Qelec (Daily electricity consumption)	4.662			
		Reference hot water temperature	47	47.4	47	47.4
		Stand-by power input	47.8			
Warm climate	AEC (Annual electricity consumption)	763				
	COPdhw	3.36				
	Heat up time	1h 13min	1h 36min	1h 13min	1h 36min	
	Mixed water at 40°C	203.6	253.3	203.6	253.3	
	η _{wh} (water heating efficiency)	134				
	Qelec (Daily electricity consumption)	3.473				
	Reference hot water temperature	47	47.4	47	47.4	
	Stand-by power input	40				
Space heating	Average climate water outlet 55°C	General	Annual energy consumption	3,929	4,403	
		η _s (Seasonal space heating efficiency)	155		157	
		Prated at -10°C	7.5		8.5	
		SCOP	3.94		3.99	
		Seasonal space heating eff. class	A+++			
	A Condition (-7°CDB/-8°CWB)	Cdh (Degradation heating)	1			
		COPd	2.64		2.62	
		Pdh	6.6		7.4	
		PERd	105.5		104.9	
	B Condition (2°CDB/1°CWB)	Cdh (Degradation heating)	1			
		COPd	3.92		3.98	
		Pdh	4.1		4.7	
		PERd	156.8		159.1	
	C Condition (7°CDB/6°CWB)	Cdh (Degradation heating)	1			
		COPd	4.8		4.93	
		Pdh	2.6		2.9	
		PERd	192.1		197	
	D Condition (12°CDB/11°CWB)	Cdh (Degradation heating)	0.9			

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Technical specifications				EPVX10S18A4V + EPSK08AW1	EPVX10S23A4V + EPSK08AW1	EPVX10S18A4V + EPSK10AW1	EPVX10S23A4V + EPSK10AW1	
Space heating 	Average climate water outlet 55°C	D Condition (12°CDB/11°CWB)	COPd	6.45			6.52	
			Pdh kW			2.8		
			PERd %	258			260.8	
			Tol (temperature operating limit)			2.11		
			Pdh kW			6.7		
			PERd %			84.2		
			TOL °C			-10		
			WTOL °C			55		
			Rated heat output supplementary capacity	Psup (at Tdesign -10°C) kW	0.8			1.8
			Tbiv (bivalent temperature)				-7	
			COPd	2.64			2.62	
			Pdh kW	6.6			7.4	
			PERd %	105.6			104.8	
			Tbiv °C					
	Cold climate water outlet 55°C	General	Annual energy consumption	kWh	5,400			6,008
ηs (Seasonal space heating efficiency)			%	134			136	
Prated at -22°C			kW	7.5			8.5	
A Condition (-7°CDB/8°CWB)		Cdhd (Degradation heating)					1	
			COPd	2.98			3.01	
			Pdh kW	4.5			5.2	
B Condition (2°CDB/1°CWB)		Cdhd (Degradation heating)					1	
			COPd	3.99			4.18	
			Pdh kW	2.9			3.4	
C Condition (7°CDB/6°CWB)		Cdhd (Degradation heating)					0.9	
			COPd	5.09			5.11	
			Pdh kW			2.4		
D Condition (12°CDB/11°CWB)			PERd %	203.4			204.2	
			COPd	6.55			6.38	
			Pdh kW			2.9		
Tol (temperature operating limit)		PERd %	262			255.2		
		COPd			1.51			
		Pdh kW			4.8			
		PERd %			60.4			
		TOL °C			-22			
G Condition (-15°CDB/-)		WTOL °C			55			
		COPd	2.24			2.19		

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Technical specifications				EPVX10S18A4V + EPSK08AW1	EPVX10S23A4V + EPSK08AW1	EPVX10S18A4V + EPSK10AW1	EPVX10S23A4V + EPSK10AW1	
Space heating 	Cold climate water outlet 55°C	G Condition	Pdh	kW	6.1		6.8	
		(-15°CDB/-)	PERd	%	89.6		87.4	
		Tbiv	COPd		2.24		2.19	
		(bivalent tempera- ture)	Pdh	kW	6.1		6.8	
			PERd	%	89.6		87.4	
			Tbiv	°C		-15		
		Rated heat output sup- plementary capacity	Psup (at Tdesign -22°C)	kW	2.7		3.7	
	Warm climate water outlet 55°C	General	Annual energy consumption	kWh	2,326		2,499	
			ηs (Seasonal space heating efficiency)	%	185		179	
			Prated at 2°C	kW	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			4.08		
			Pdh	kW		5.2		
		D Condition (12°CDB- B/11°CWB)	PERd	%		163.3		
			CdH (Degradation heating)			0.9		
			COPd			5.99		
		Tbiv (bivalent tempera- ture)	Pdh	kW		2.8		
			PERd	%		239.4		
			COPd		3.45		3.51	
		Average climate water outlet 35°C	General	Pdh	kW	6.9		7.4
PERd				%	138.1		140.2	
Tbiv	°C				4			
General	Annual energy consumption		kWh	3,017		3,415		
	ηs (Seasonal space heating efficiency)		%	202		203		
	Prated at -10°C		kW	7.5		8.5		
	SCOP				5.14			
Seasonal space heating eff. class					A+++			
A Condition (-7°CDB- B/-8°CWB)	COPd			3.4		3.31		
	Pdh		kW		6.7		7.5	
B Condition (2°CDB- B/1°CWB)	PERd	%		136.1		132.4		
	CdH (Degradation heating)			1				
COPd			5.06		5.07			
Pdh		kW	4		4.6			

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Technical specifications				EPVX10S18A4V + EPSK08AW1	EPVX10S23A4V + EPSK08AW1	EPVX10S18A4V + EPSK10AW1	EPVX10S23A4V + EPSK10AW1		
Space heating Average climate water outlet 35°C	B Condition (2°CDB/1°CWB)	PERd	%	202.2		203			
	C Condition (7°CDB/6°CWB)	Cdh (Degradation heating)			0.9		1		
		COPd			6.43		6.48		
		Pdh	kW		2.7		2.9		
		PERd	%		257		259.2		
	D Condition (12°CDB/11°CWB)	Cdh (Degradation heating)				0.9			
		COPd			8.23		8.3		
		Pdh	kW			2.9			
		PERd	%		329		332.2		
	ToI (temperature operating limit)	COPd			2.97		2.84		
		Pdh	kW		7.4		8.3		
		PERd	%		118.6		113.4		
		TOL	°C			-10			
	G Condition (-15°CDB/-)	WTOL	°C			35			
		PERd	%			0			
		Tbiv (bivalent temperature)	COPd		2.97		2.84		
		Pdh	kW		7.4		8.3		
	Rated heat output supplementary capacity	PERd	%		118.6		113.4		
		Tbiv	°C			-10			
		Psup (at Tdesign -10°C)	kW			0			
		Cold climate water outlet 35°C	General	Annual energy consumption	kWh	4,314		4,957	
	ηs (Seasonal space heating efficiency)			%	168		166		
	Prated at -22°C			kW	7.5		8.5		
	A Condition (-7°CDB/-8°CWB)		COPd			3.84		3.83	
			Pdh	kW		4.6		5	
			PERd	%		153.7		153.1	
	B Condition (2°CDB/1°CWB)		Cdh (Degradation heating)				1		
COPd					4.94		4.84		
Pdh			kW		2.9		3.2		
PERd			%		197.4		193.8		
C Condition (7°CDB/6°CWB)	Cdh (Degradation heating)					0.9			
	COPd				6.43		6.47		
	Pdh		kW			2.5			
	PERd	%		257.3		258.8			
D Condition (12°CDB/11°CWB)	Cdh (Degradation heating)				0.9				
	COPd			7.85		7.98			
	Pdh	kW			2.9				

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Technical specifications				EPVX10S18A4V + EPSK08AW1	EPVX10S23A4V + EPSK08AW1	EPVX10S18A4V + EPSK10AW1	EPVX10S23A4V + EPSK10AW1	
Space heating 	Cold climate water outlet 35°C	D Condition (12°CDB- B/11°CWB)	PERd	%	314.2		319.3	
			Tol (tem- perature operating limit)	COPd Pdh PERd TOL WTOL			2.18 5.1 87 -22 35	
		G Condition (-15°CDB/-)	COPd		2.75		2.65	
			Pdh	kW	6		6.9	
			PERd	%	110.1		105.8	
		Tbiv (bivalent tempera- ture)	COPd		2.75		2.65	
			Pdh	kW	6		6.9	
			PERd	%	110.1		105.8	
		Rated heat output sup- plementary capacity	Psup (at Tdesign -22°C)			2.4		3.4
	Warm climate water outlet 35°C	General	Annual energy consumption	kWh	1,573		1,765	
			ηs (Seasonal space heating efficiency)	%	252		254	
			Prated at 2°C	kW	7.5		8.5	
		B Condition (2°CDB- B/1°CWB)	Cdh (Degradation heating)			1		
			COPd			4.39		
			Pdh	kW		5.2		
		C Condition (7°CDB- B/6°CWB)	PERd	%		175.4		
			Cdh (Degradation heating)			1		
			COPd		5.86		5.84	
		Tbiv (bivalent tempera- ture)	Pdh	kW	5		5.9	
PERd	%		234.6		233.7			
COPd			4.79		4.72			
D Condition (12°CDB- B/11°CWB)	Pdh	kW	6.3		7.1			
	PERd	%	191.4		188.7			
	Tbiv	°C		4				
D Condition (12°CDB- B/11°CWB)	Cdh (Degradation heating)			0.9				
	COPd		8		8.18			
	Pdh	kW		2.9				
		PERd	%	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 + EPSK08AW1	EPVX10S23A9W + EPSK08AW1	EPVX10S18A9W + EPSK10AW1	EPVX10S23A9W + EPSK10AW1
Indoor unit				EPVX10S18AJ9W	EPVX10S23AJ9W	EPVX10S18AJ9W	EPVX10S23AJ9W
Outdoor unit				EPSK08ARW1		EPSK10ARW1	
Heating capacity	Nom.		kW	7.62 (1)		8.11 (1)	
Cooling capacity	Nom.		kW	6.89 (2) / 6.37 (3)		7.84 (2) / 6.37 (3)	
Power input	Heating	Nom.	kW	1.52 (1)		1.64 (1)	
	Cooling	Nom.	kW	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
Heat up time from 10°C to 50°C			hr	1h 27min	1h 58min	1h 27min	1h 58min
COP				5.01 (1)		4.94 (1)	
EER				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 + EPSK08AW1	EPVX10S23A9W + EPSK08AW1	EPVX10S18A9W + EPSK10AW1	EPVX10S23A9W + EPSK10AW1		
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	Product	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	0.023				
		Psb (Standby mode)	kW	0.023				
		Pto (Thermostat off)	kW	0.029				
Domestic hot water heating	General	Declared load profile	L					
		Integrated supplementary heater	Psup	9				
Domestic hot water heating	Average climate	Type of energy input	Electrical					
		AEC (Annual electricity consumption)	kWh	881				
		COPdhw		2.91				
		Heat up time		1h 13min	1h 39min	1h 13min	1h 39min	
		Mixed water at 40°C	l	203.6	253.3	203.6	253.3	
		η _{wh} (water heating efficiency)	%	116				
		Qelec (Daily electricity consumption)	kWh	4.01				
Domestic hot water heating	Average climate	Reference hot water temperature	°C	47	47.4	47	47.4	
		Stand-by power input	W	43.9				
		Water heating energy efficiency class		A+				
	Cold climate	Average climate	AEC (Annual electricity consumption)	kWh	1,024			
			COPdhw		2.5			
			Heat up time		1h 13min	1h 39min	1h 13min	1h 39min
			Mixed water at 40°C	l	203.6	253.3	203.6	253.3
			η _{wh} (water heating efficiency)	%	100			
			Qelec (Daily electricity consumption)	kWh	4.662			
			Reference hot water temperature	°C	47	47.4	47	47.4
	Warm climate	Average climate	Stand-by power input	W	47.8			
			AEC (Annual electricity consumption)	kWh	763			
			COPdhw		3.36			
Heat up time				1h 13min	1h 36min	1h 13min	1h 36min	
Mixed water at 40°C			l	203.6	253.3	203.6	253.3	
η _{wh} (water heating efficiency)			%	134				
Domestic hot water heating	Average climate	Qelec (Daily electricity consumption)	kWh	3.473				
		Reference hot water temperature	°C	47	47.4	47	47.4	
		Stand-by power input	W	40				

2 Specifications

2 - 1 Specifications

Technical specifications				EPVX10S18A9W + EPSK08AW1	EPVX10S23A9W + EPSK08AW1	EPVX10S18A9W + EPSK10AW1	EPVX10S23A9W + EPSK10AW1		
Space heating Average climate water outlet 55°C	General	Annual energy consumption	kWh	3,929		4,403			
		ηs (Seasonal space heating efficiency)	%	155		157			
		Prated at -10°C	kW	7.5		8.5			
		SCOP		3.94		3.99			
		Seasonal space heating eff. class				A+++			
		A Condition (-7°CDB/-8°CWB)	Cdh (Degradation heating)			1			
			COPd		2.64		2.62		
			Pdh	kW	6.6		7.4		
			PERd	%	105.5		104.9		
		B Condition (2°CDB/-1°CWB)	Cdh (Degradation heating)			1			
			COPd		3.92		3.98		
			Pdh	kW	4.1		4.7		
			PERd	%	156.8		159.1		
		C Condition (7°CDB/6°CWB)	Cdh (Degradation heating)			1			
			COPd		4.8		4.93		
			Pdh	kW	2.6		2.9		
			PERd	%	192.1		197		
D Condition (12°CDB/11°CWB)	Cdh (Degradation heating)			0.9					
Space heating Average climate water outlet 55°C	D Condition (12°CDB/11°CWB)	COPd		6.45		6.52			
			Pdh	kW		2.8			
			PERd	%	258		260.8		
		Tol (temperature operating limit)	COPd			2.11			
			Pdh	kW		6.7			
			PERd	%		84.2			
			TOL	°C		-10			
			WTOL	°C		55			
		Rated heat output supplementary capacity	Psup (at Tdesign -10°C)	kW	0.8		1.8		
		Tbiv (bivalent temperature)	COPd		2.64		2.62		
			Pdh	kW	6.6		7.4		
			PERd	%	105.6		104.8		
			Tbiv	°C		-7			
		Cold climate water outlet 55°C	General	Annual energy consumption	kWh	5,400		6,008	
				ηs (Seasonal space heating efficiency)	%	134		136	
				Prated at -22°C	kW	7.5		8.5	
				A Condition (-7°CDB/-8°CWB)	Cdh (Degradation heating)			1	
	COPd				2.98		3.01		
	Pdh			kW	4.5		5.2		
	PERd			%	119.1		120.5		
B Condition (2°CDB/-1°CWB)	Cdh (Degradation heating)					1			
	COPd				3.99		4.18		
	Pdh			kW	2.9		3.4		
	PERd			%	159.5		167.4		
C Condition (7°CDB/6°CWB)	Cdh (Degradation heating)					0.9			
	COPd				5.09		5.11		
	Pdh			kW		2.4			
	PERd			%	203.4		204.2		
D Condition (12°CDB/11°CWB)	COPd				6.55		6.38		
	Pdh			kW		2.9			
	PERd	%	262		255.2				
Tol (temperature operating limit)	COPd			1.51					
	Pdh	kW		4.8					
	PERd	%		60.4					
	TOL	°C		-22					
	WTOL	°C		55					
G Condition (-15°CDB/-)	COPd		2.24		2.19				

2 Specifications

2 - 1 Specifications

Technical specifications				EPVX10S18A9W + EPSK08AW1	EPVX10S23A9W + EPSK08AW1	EPVX10S18A9W + EPSK10AW1	EPVX10S23A9W + EPSK10AW1	
Space heating 	Cold climate water outlet 55°C	G Condition (-15°CDB/-)	Pdh	kW	6.1		6.8	
			PERd	%	89.6		87.4	
		(bivalent tempera- ture)	Tbiv	COPd	2.24		2.19	
			Pdh	kW	6.1		6.8	
			PERd	%	89.6		87.4	
			Tbiv	°C		-15		
		Rated heat output sup- plementary capacity	Psup (at Tdesign -22°C)	kW	2.7		3.7	
		Warm climate water outlet 55°C	General	Annual energy consumption	kWh	2,326		2,499
				ηs (Seasonal space heating efficiency)	%	185		179
				Prated at 2°C	kW	8.2		8.5
	B Condition (2°CDB- B/1°CWB)		Cdh (Degradation heating)			1		
			COPd			3.04		
	C Condition (7°CDB- B/6°CWB)		Pdh	kW		6.1		
			PERd	%		121.5		
			Cdh (Degradation heating)			1		
	D Condition (12°CDB- B/11°CWB)		COPd			4.08		
			Pdh	kW		5.2		
		PERd	%		163.3			
	Average climate water outlet 35°C	General	Annual energy consumption		3,017		3,415	
			ηs (Seasonal space heating efficiency)	%	202		203	
Prated at -10°C			kW	7.5		8.5		
SCOP			5.14					
Seasonal space heating eff. class			A+++					
A Condition (-7°CDB- B/-8°CWB)		COPd		3.4		3.31		
	Pdh	kW	6.7		7.5			
B Condition (2°CDB- B/1°CWB)	PERd	%	136.1		132.4			
	Cdh (Degradation heating)			1				
	COPd		5.06		5.07			
	Pdh	kW	4		4.6			

2 Specifications

2 - 1 Specifications

Technical specifications				EPVX10S18A9W + EPSK08AW1	EPVX10S23A9W + EPSK08AW1	EPVX10S18A9W + EPSK10AW1	EPVX10S23A9W + EPSK10AW1	
Space heating 	Average climate water outlet 35°C	B Condition (2°CDB/1°CWB)	PERd	%	202.2		203	
		C Condition (7°CDB/6°CWB)	Cdh (Degradation heating)			0.9		1
	COPd				6.43		6.48	
	Pdh			kW	2.7		2.9	
	PERd			%	257		259.2	
	D Condition (12°CDB/11°CWB)	Cdh (Degradation heating)				0.9		
		COPd			8.23		8.3	
		Pdh		kW		2.9		
		PERd		%	329		332.2	
	Tol (temperature operating limit)	COPd			2.97		2.84	
		Pdh		kW	7.4		8.3	
		PERd		%	118.6		113.4	
		TOL		°C		-10		
	G Condition (-15°CDB/-)	WTOL		°C		35		
		PERd		%		0		
		Tbiv (bivalent temperature)	COPd			2.97		2.84
		Pdh		kW	7.4		8.3	
	Rated heat output supplementary capacity	PERd		%	118.6		113.4	
		Tbiv		°C		-10		
		Psup (at Tdesign -10°C)		kW		0		
	Cold climate water outlet 35°C	General	Annual energy consumption		kWh	4,314		4,957
			ηs (Seasonal space heating efficiency)		%	168		166
			Prated at -22°C		kW	7.5		8.5
		A Condition (-7°CDB/-8°CWB)	COPd			3.84		3.83
			Pdh		kW	4.6		5
			PERd		%	153.7		153.1
B Condition (2°CDB/1°CWB)		Cdh (Degradation heating)				1		
		COPd			4.94		4.84	
		Pdh		kW	2.9		3.2	
		PERd		%	197.4		193.8	
C Condition (7°CDB/6°CWB)		Cdh (Degradation heating)				0.9		
		COPd			6.43		6.47	
		Pdh		kW		2.5		
		PERd		%	257.3		258.8	
D Condition (12°CDB/11°CWB)		Cdh (Degradation heating)				0.9		
		COPd			7.85		7.98	
		Pdh		kW		2.9		

2 Specifications

2 - 1 Specifications

2

Technical specifications				EPVX10S18A9W + EPSK08AW1	EPVX10S23A9W + EPSK08AW1	EPVX10S18A9W + EPSK10AW1	EPVX10S23A9W + EPSK10AW1		
Space heating Cold climate water outlet 35°C	D Condition	PERd	%	314.2		319.3			
	Tol (tem- perature operating limit)	COPd Pdh PERd TOL WTOL	 kW % °C °C			2.18 5.1 87 -22 35			
	G Condition (-15°CDB/-)	COPd			2.75			2.65	
		Pdh	kW		6			6.9	
		PERd	%		110.1			105.8	
	Tbiv (bivalent tempera- ture)	COPd			2.75			2.65	
		Pdh	kW		6			6.9	
		PERd	%		110.1			105.8	
	Rated heat output sup- plementary capacity	Tbiv	°C			-15			
		Psup (at Tdesign -22°C)	kW		2.4			3.4	
	Warm climate water outlet 35°C	General	Annual energy consumption	kWh	1,573		1,765		
			ηs (Seasonal space heating efficiency)	%	252		254		
			Prated at 2°C	kW	7.5		8.5		
		B Condition (2°CDB- B/1°CWB)	Cdh (Degradation heating)			1			
			COPd			4.39			
			Pdh	kW		5.2			
		C Condition (7°CDB- B/6°CWB)	PERd	%		175.4			
			Cdh (Degradation heating)			1			
			COPd			5.86			5.84
		Tbiv (bivalent tempera- ture)	Pdh	kW		5			5.9
PERd			%		234.6			233.7	
COPd					4.79			4.72	
D Condition (12°CDB- B/11°CWB)	Pdh	kW		6.3			7.1		
	PERd	%		191.4			188.7		
	Tbiv	°C			4				
D Condition (12°CDB- B/11°CWB)	Cdh (Degradation heating)				0.9				
	COPd			8			8.18		
	Pdh	kW			2.9				
	PERd	%		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				EPSK08AW1	EPSK10AW1	
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	178			
	Packed unit	kg	209			
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				EPSK08AW1	EPSK10AW1	
Fan motor	Quantity			1		
	Model			Brushless DC motor		
	Output			68 W		
	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*l	133		
Piping connections	inch			G 1/4" (male) ..		
	inch			G 1/4" (male) ..		
Sound power level	Heating	Nom.	dBA	45 (1)	47 (1)	
	Cooling	Nom.	dBA	53 (2)	53.2 (2)	
Sound pressure level	Heating	Nom.	dBA	32.4 (1)	32.8 (1)	
	Cooling	Nom.	dBA	37.2 (2)	37.3 (2)	
	Night quiet mode	Heating		dBA	30 (1)	33 (1)
		Cooling		dBA	30.8 (2)	
Refrigerant	Type			R-290		
	GWP			3		
	Charge			1 kg		
	Control			Expansion valve		
	Circuits	Quantity		1		
Refrigerant oil	Type			Refer to the name plate of the compressor		
	Charged volume			1.1 l		
Piping connections	Piping length	OU - IU	Max.	20 (3) / 50 (4) m		
	High pressure side	Design pressure		32 bar		
	Level difference	IU - OU	Max.	10 m		
	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				EPSK08AW1	EPSK10AW1
Power supply	Name			W1	
	Phase			3~	
	Frequency			50 Hz	
	Voltage			400 V	
	Voltage range	cos phi	Nom.	0.52	
		Max.	0.98		
Current	kVa			Equipment complying with EN / IEC 61000-3-2	
	Recommended fuses			16 A	
	Inverter modulation	Min.	%	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) 1/4" field piping |

(4) 1/2" field piping

3 Capacity graphs

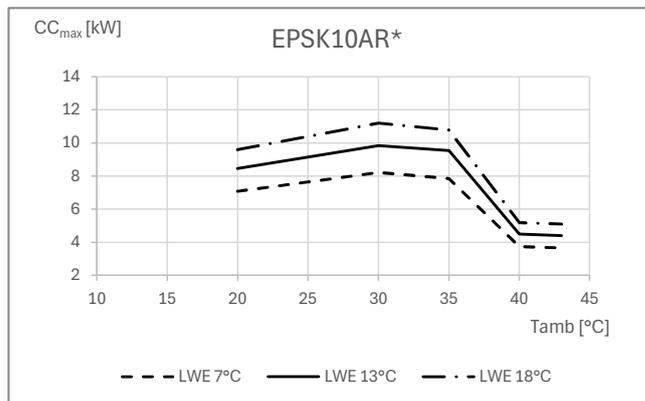
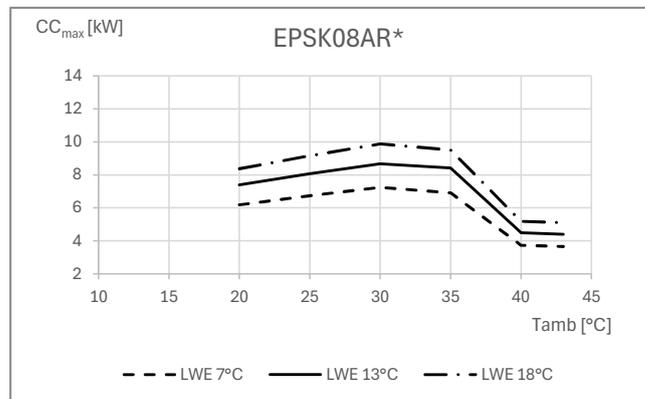
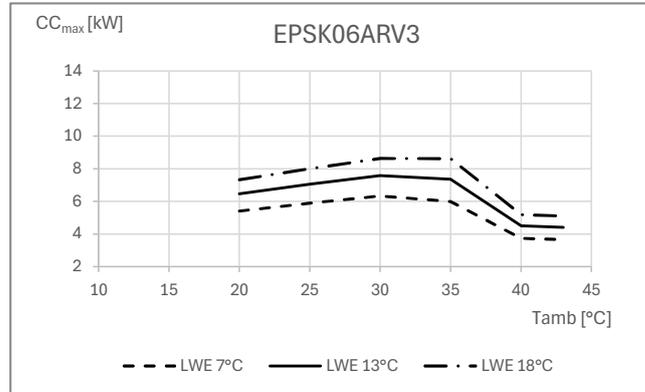
3 - 1 Cooling Capacity Graphs

EPSK06-10AV3

EPSK08-10AW1

3

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 ΔT = 3~8°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.

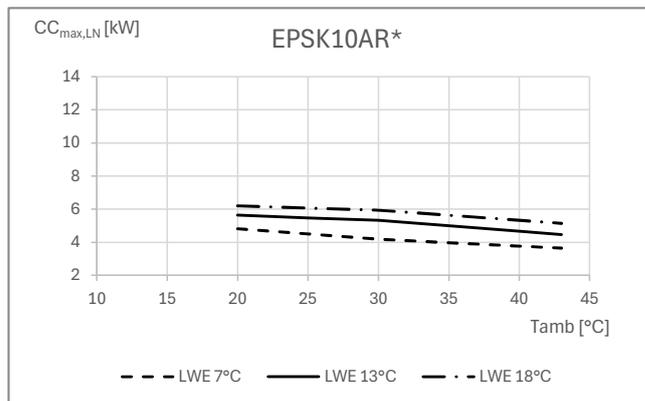
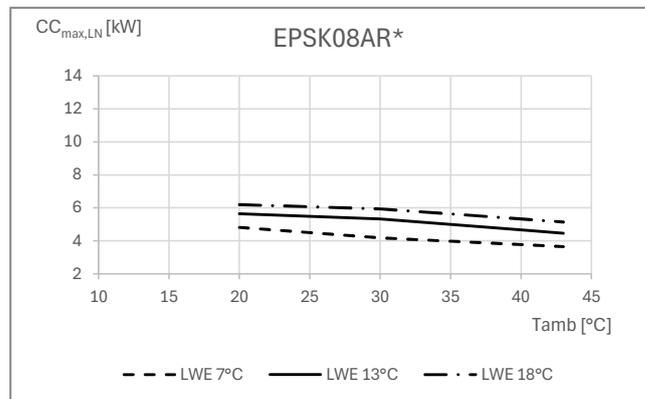
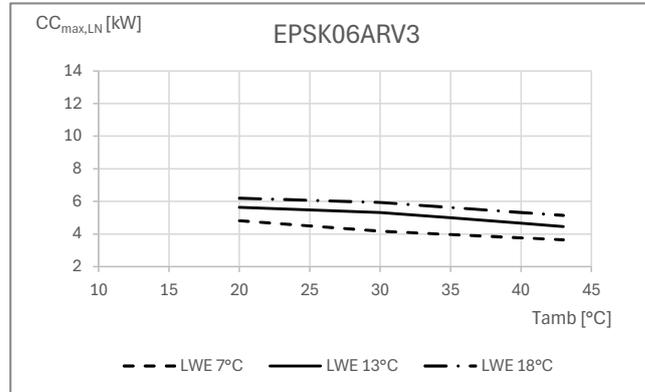
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3 Capacity graphs

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 ΔT = 3~8°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-

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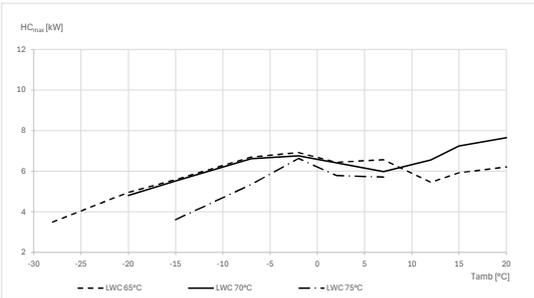
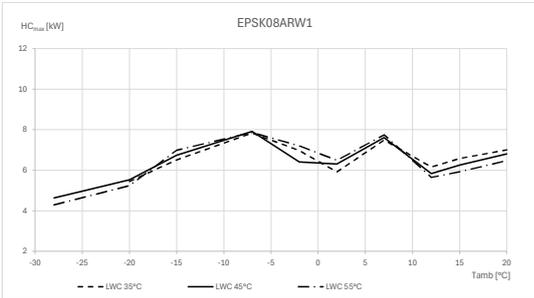
3 Capacity graphs

3 - 3 Heating Capacity Graphs

3

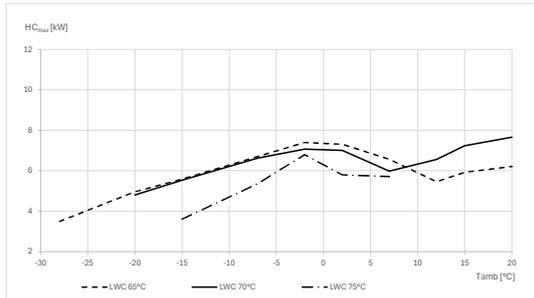
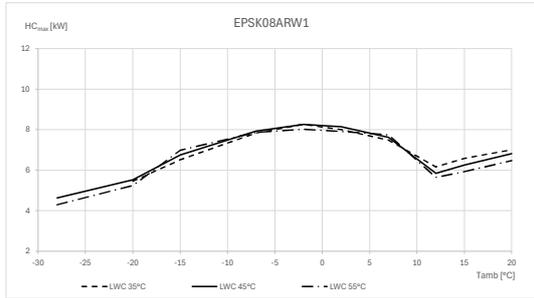
EPSK08AW1

Maximum heating capacity - integrated value



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

Maximum heating capacity - peak values



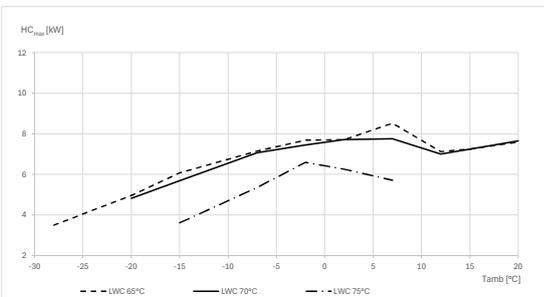
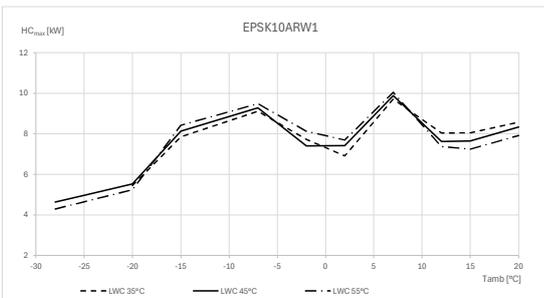
Conditions
 Heating capacity

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.

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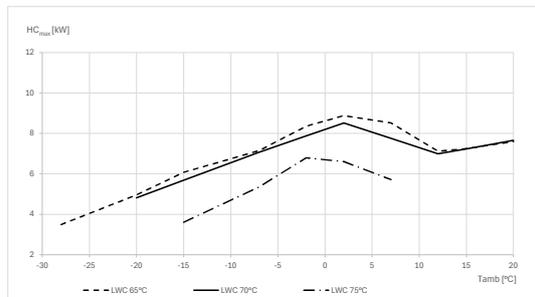
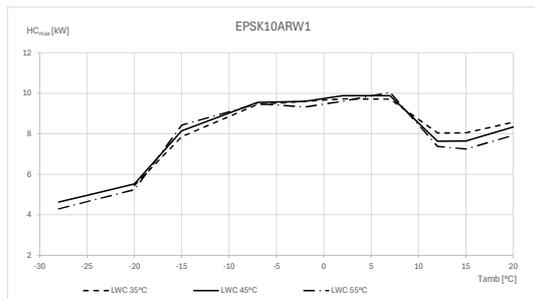
EPSK10AW1

Maximum heating capacity - integrated value



Symbols
 HC_{max} Heating capacity for maximum load, measured according to EN 14511
 LWC Leaving water condenser 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.

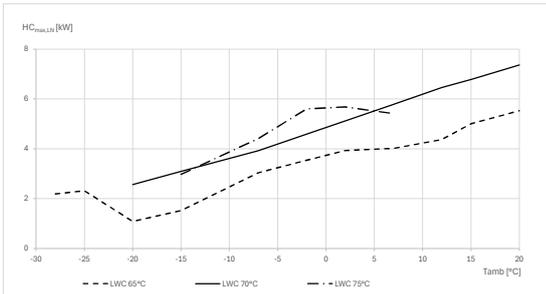
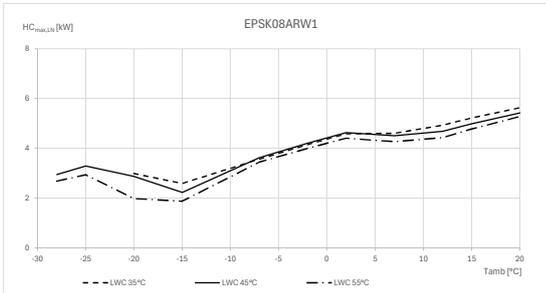
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3 Capacity graphs

3 - 4 Heating Capacity Graphs - quiet mode

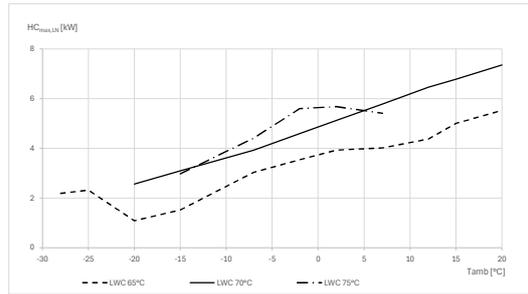
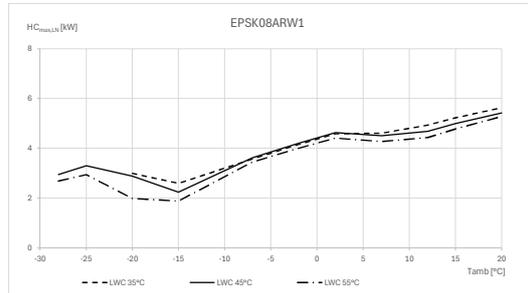
EPSK08AW1

Maximum heating capacity - integrated value



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

Maximum heating capacity - peak values



Conditions
 Heating capacity

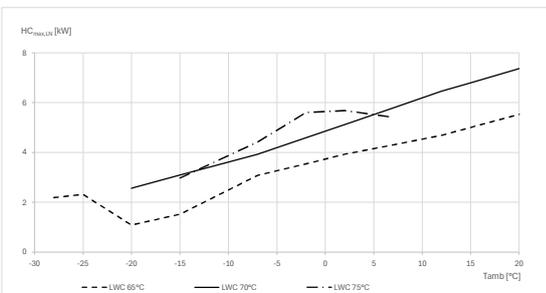
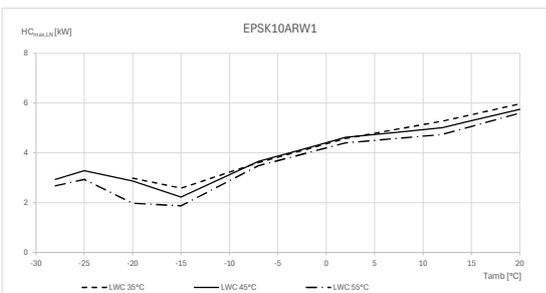
Notes
 The capacity and power input is valid for -V3- models at -230-V and for -W1- models at -400-V.
 The capacity and the power input are at maximum operation.
 Low noise level -2-

4D155524

3

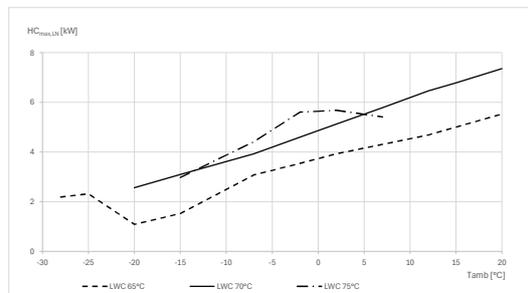
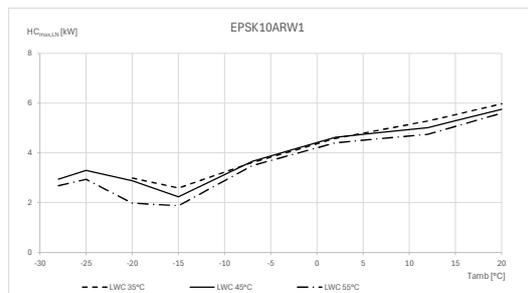
EPSK10AW1

Maximum heating capacity - integrated value



Symbols
 HC_{max,IN} Heating capacity for maximum load, measured according to EN 14511
 LWC Leaving water condenser 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

4 Capacity tables

4 - 1 Certification Programs

4

EP SK06-10AV3 EP SK08-10AW1 EP SK12-14AW1

Rated data for certification programmes - heating mode

Tamb [°C]	EWC [°C]	LWC [°C]	EP SK06ARV3		EP SK08ARV3		EP SK08ARW1		EP SK10ARV3		EP SK10ARW1		EP SK12ARW1		EP SK14ARW1		Used for:
			HC [kW]	COP													
7/6	30	35	5,81	5,19	7,62	5,01	7,62	5,01	8,11	4,94	8,11	4,94	10,24	5,50	10,24	5,50	Keymark, EHPA
0/1	(30)	35	5,39	4,46	5,59	4,46	5,59	4,46	6,06	5,59	6,06	5,59	6,11	4,06	6,11	4,06	EHPA
-7/8	(35)	35	6,23	3,38	7,06	3,32	7,06	3,32	9,11	2,85	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	8,19	4,06	10,22	4,31	10,22	4,31	General
0/0	(40)	45	5,33	3,75	6,41	2,95	6,41	2,95	7,44	2,43	7,44	2,43	10,77	3,03	10,77	3,03	MCS
7/6	47	55	6,08	3,46	7,85	3,42	7,85	3,42	8,40	3,41	8,40	3,41	10,91	3,60	10,91	3,60	Keymark, EHPA

Rated data for certification programmes - cooling mode

Tamb [°C]	EWE [°C]	LWE [°C]	EP SK06ARV3		EP SK08ARV3		EP SK08ARW1		EP SK10ARV3		EP SK10ARW1		EP SK12ARW1		EP SK14ARW1		Used for:
			CC [kW]	EER													
35	23	18	6,37	5,63	6,37	5,63	6,37	5,63	6,37	5,63	6,37	5,63	6,74	6,02	6,74	6,02	General
35	12	7	6,00	3,87	6,89	3,73	6,89	3,73	7,84	3,62	7,84	3,62	9,37	3,55	11,30	3,28	General

Nominal cooling capacity

Tamb [°C]	EWC [°C]	LWC [°C]	EP SK06ARV3		EP SK08ARV3		EP SK08ARW1		EP SK10ARV3		EP SK10ARW1		EP SK12ARW1		EP SK14ARW1		Used for:
			CC [kW]	EER													
35	23	18	6,37	5,63	6,37	5,63	6,37	5,63	6,37	5,63	6,37	5,63	6,74	6,02	6,74	6,02	General
35	12	7	6,00	3,87	6,89	3,73	6,89	3,73	7,84	3,62	7,84	3,62	9,37	3,55	11,30	3,28	General

Seasonal data - cooling

PHE [kW]	EER	PLC [%]	DCE [kWh/annum]	LWE [°C]		Low temperature Application		EP SK10ARV3	EP SK10ARW1	EP SK12ARW1	EP SK14ARW1
				EP SK06ARV3	EP SK08ARV3	EP SK08ARW1	EP SK10ARV3				
6,0	5,39	212	670	6,8	5,35	6,8	5,35	7,9	7,9	9,0	11,0
6,8	5,39	211	674	6,8	5,35	6,8	5,35	7,9	7,9	9,0	11,0
7,6	5,39	208	676	7,6	5,35	7,6	5,35	8,5	8,5	9,7	11,8

Rated data for certification programmes - domestic hot water performance

Indoor unit	EP SK06ARV3		EP SK08ARV3		EP SK08ARW1		EP SK10ARV3		EP SK10ARW1		EP SK12ARW1		EP SK14ARW1		Used for:
	EP SK06/08/10ARV3	EP SK06/08/10ARV3	EP SK12/14ARW1	EP SK06/08/10ARV3	EP SK06/08/10ARV3	EP SK12/14ARW1	EP SK06/08/10ARV3	EP SK06/08/10ARV3	EP SK12/14ARW1	EP SK06/08/10ARV3	EP SK06/08/10ARV3	EP SK12/14ARW1	EP SK12/14ARW1		
Application	Average climate		Average climate		Average climate		Average climate		Average climate		Average climate		Average climate		
Domestic hot water tank volume [l]	180		180		230		204		204		477		443		
Tapping pattern	L		L		L		L		L		L		L		
Heat-up time (h:min:ss)	1:13:41		1:08:50		1:39:48		1:21:24		1:38:12		3:18:01		3:03:47		
PLR [%]	46,96		108,50		47,39		213,56		45,2		318,91		44,3		Keymark
PLR [%]	42,1		43,9		35,5		42,1		50,0		41,8		50,0		
PLR [%]	204		253		253		145,0		150,4		253,4		236,1		
PLR [%]	117,28		116,26		121,24		117,28		116,26		121,2		100,74		
PLR [%]	2,93		2,91		3,03		2,93		2,91		3,03		2,77		

Symbols

HC	Heating capacity measured according to EN 14511	LWE	Leaving water evaporator temperature [°C]
CC	Cooling capacity, measured according to EN 14511	Tamb	Ambient temperature [°C DB/WB]
COP/EER	Coefficient of Performance/Energy efficiency ratio according to EN 14511	PLR	Reference
EWC	Entering water condenser temperature [°C]	Pst	Standby power input
LWC	Leaving water condenser temperature [°C]	Vst	Equivalent domestic hot water volume [l]
EWE	Entering water evaporator temperature [°C]	PLR	Efficiency [%]
		COP _{HW}	Domestic hot water COP

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EP SK06-10AV3 EP SK08-10AW1 EP SK12-14AW1

Rated data for certification programmes - heating mode
Measured according to -UNI/TS 11300-

Condition	Tamb [°C]	LWC [°C]	PLR [%]	EP SK06ARV3		EP SK08ARV3		EP SK08ARW1		EP SK10ARV3		EP SK10ARW1		EP SK12ARW1		EP SK14ARW1	
				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	10,44	3,12	13,74	2,80
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	9,50	4,36	11,09	3,76
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	10,62	5,87	10,73	4,79
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	10,96	9,09	13,50	8,26
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	12,22	2,49	13,87	2,19
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	9,44	3,43	10,93	3,19
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	12,28	5,34	10,52	4,24
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	10,41	7,82	12,91	6,96

Rated data for certification programmes - cooling mode
Measured according to -UNI/TS 11300-

Condition	Tamb [°C]	LWE [°C]	PLR [%]	EP SK06ARV3		EP SK08ARV3		EP SK08ARW1		EP SK10ARV3		EP SK10ARW1		EP SK12ARW1		EP SK14ARW1	
				CC [kW]	EER	CC [kW]	EER	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	11,97	4,24	14,50	3,72
B	30	18	75	6,24	7,15	7,64	6,83	7,64	6,83	8,46	6,70	8,46	6,70	10,00	5,45	12,49	4,90
C	25	18	50	4,45	9,86	4,79	9,74	4,79	9,74	5,67	9,50	5,67	9,50	6,71	7,08	8,60	6,14
D	20	18	25	3,37	12,25	3,37	12,25	3,37	12,25	3,37	12,25	3,37	12,25	9,59	7,82	9,59	7,82
A	35	7	100	6,00	3,87	6,91	3,76	6,91	3,76	7,84	3,62	7,84	3,62	9,37	3,55	11,30	3,28
B	30	7	75	4,39	4,96	4,97	4,77	4,97	4,77	5,66	4,62	5,66	4,62	7,27	3,99	9,13	3,68
C	25	7	50	2,93	6,01	3,39	5,97	3,39	5,97	4,11	5,93	4,11	5,93	4,93	4,92	6,34	4,57
D	20	7	25	6,54	5,90	6,54	5,90	6,54	5,90	6,54	5,90	6,54	5,90	7,03	5,46	7,07	5,50

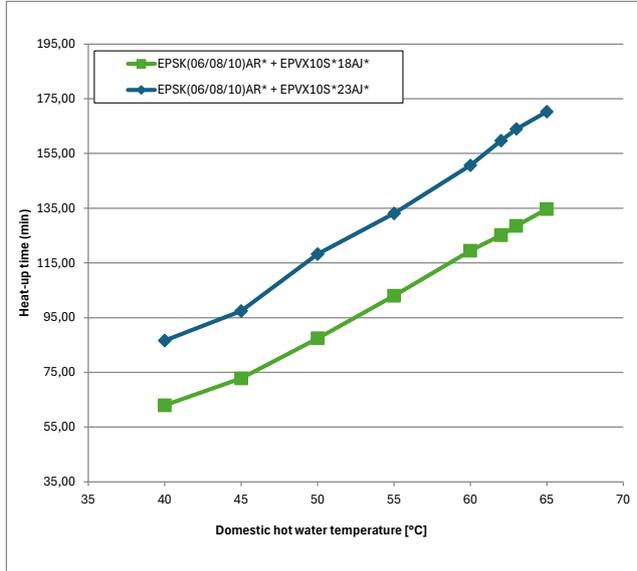
4D155514

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
EPVK10S*18AJ*	~73 min.
EPVK10S*23AJ*	~97 min.

Notes

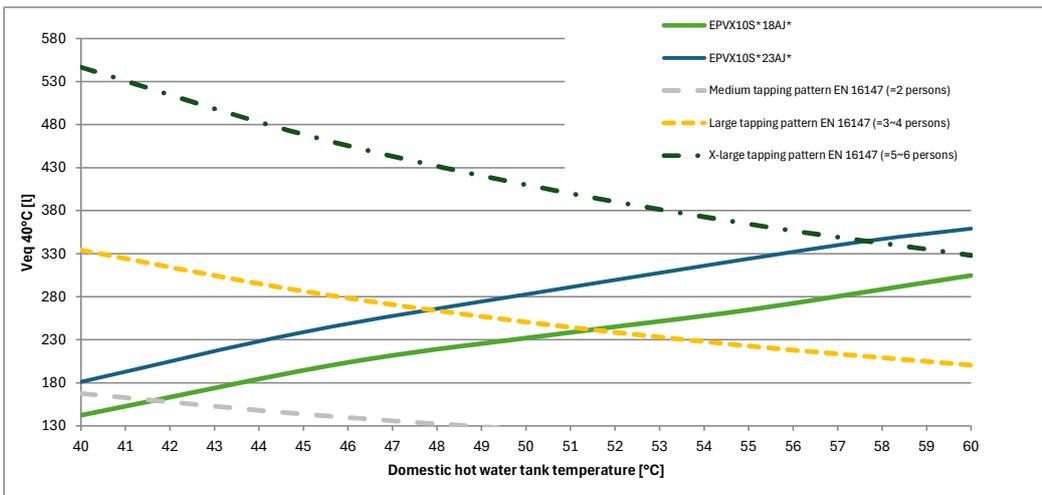
1. Time the indoor unit (heat pump only operation) requires to heat up the domestic hot water tank from 10°C to the indicated temperature.
See the operation range for maximum domestic hot water tank temperature during heat pump only operation.

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.

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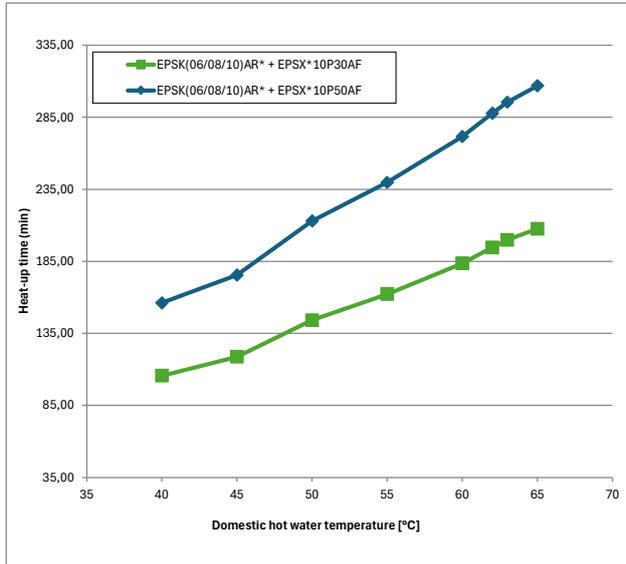
4 Capacity tables

4 - 2 Domestic Hot Water performance

4

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

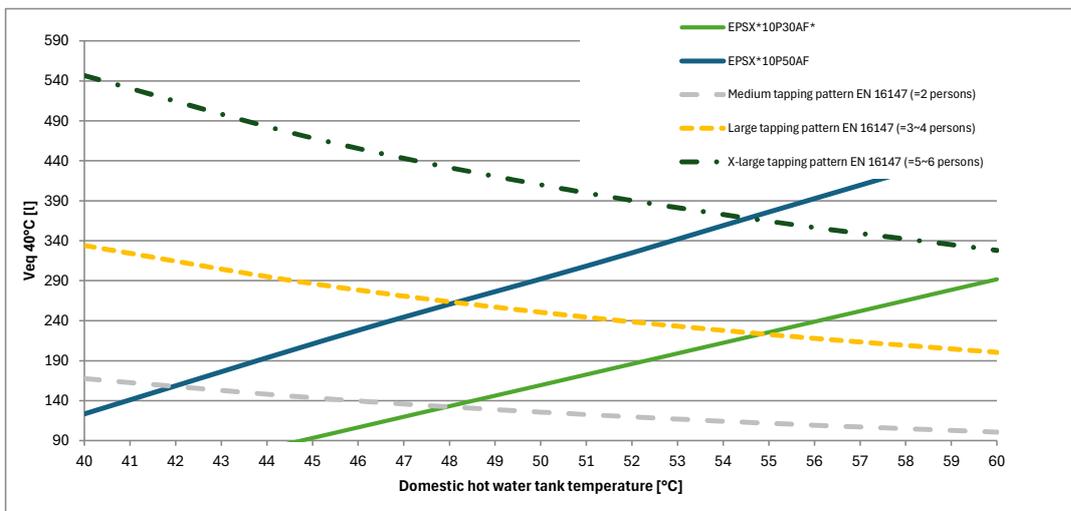
1. Time the indoor unit (**heat pump only operation**) requires to heat up the domestic hot water tank from 10°C to the indicated temperature.
See the operation range for maximum domestic hot water tank temperature during heat pump only operation.

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.



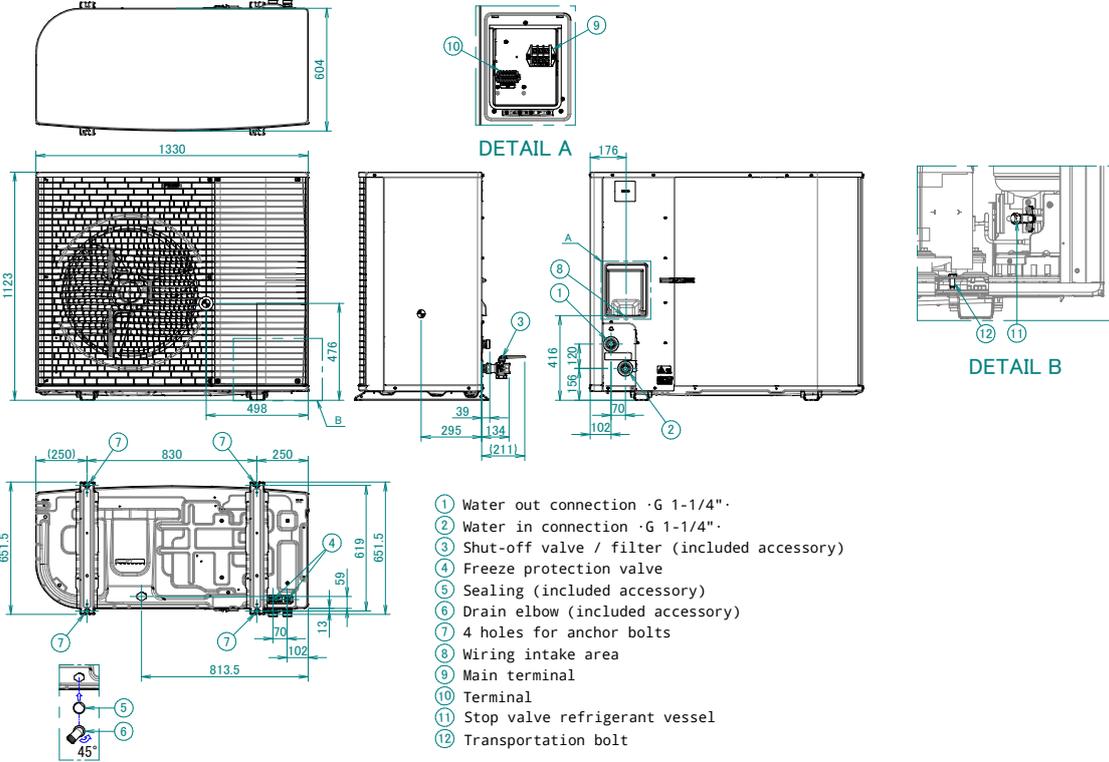
If a higher daily Ve_q 40°C is required, then additional heat-up cycles are required within 24 hours.
See the operation manual for more information.

4D155521

5 Dimensional drawings

5 - 1 Dimensional Drawings

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



- ① Water out connection ·G 1-1/4"·
- ② Water in connection ·G 1-1/4"·
- ③ Shut-off valve / filter (included accessory)
- ④ Freeze protection valve
- ⑤ Sealing (included accessory)
- ⑥ Drain elbow (included accessory)
- ⑦ 4 holes for anchor bolts
- ⑧ Wiring intake area
- ⑨ Main terminal
- ⑩ Terminal
- ⑪ Stop valve refrigerant vessel
- ⑫ Transportation bolt

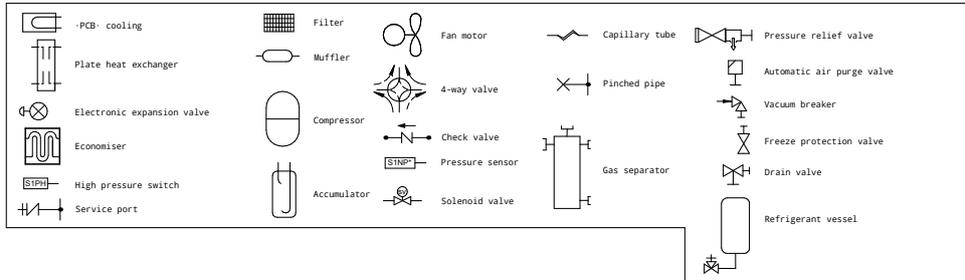
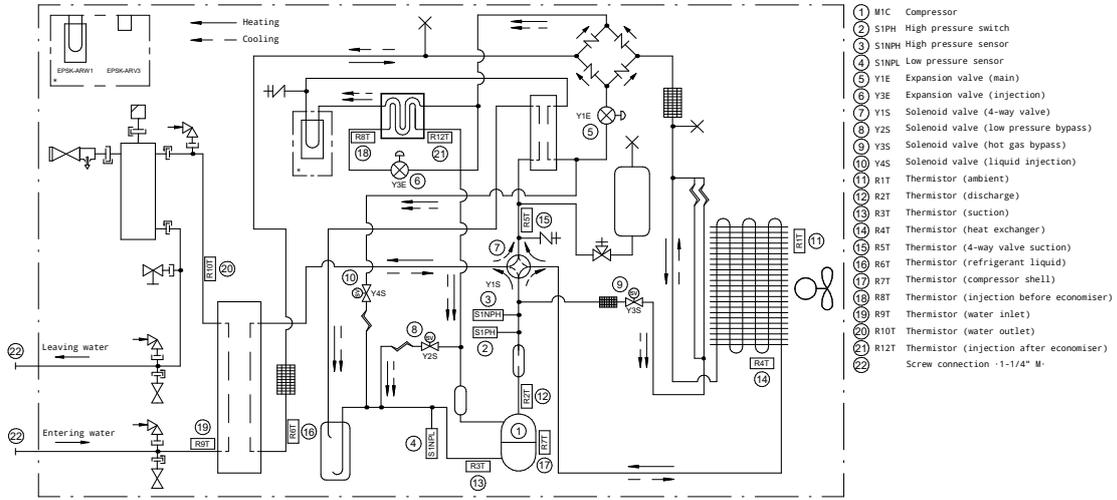
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6 Piping diagrams

6 - 1 Piping Diagrams

6

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



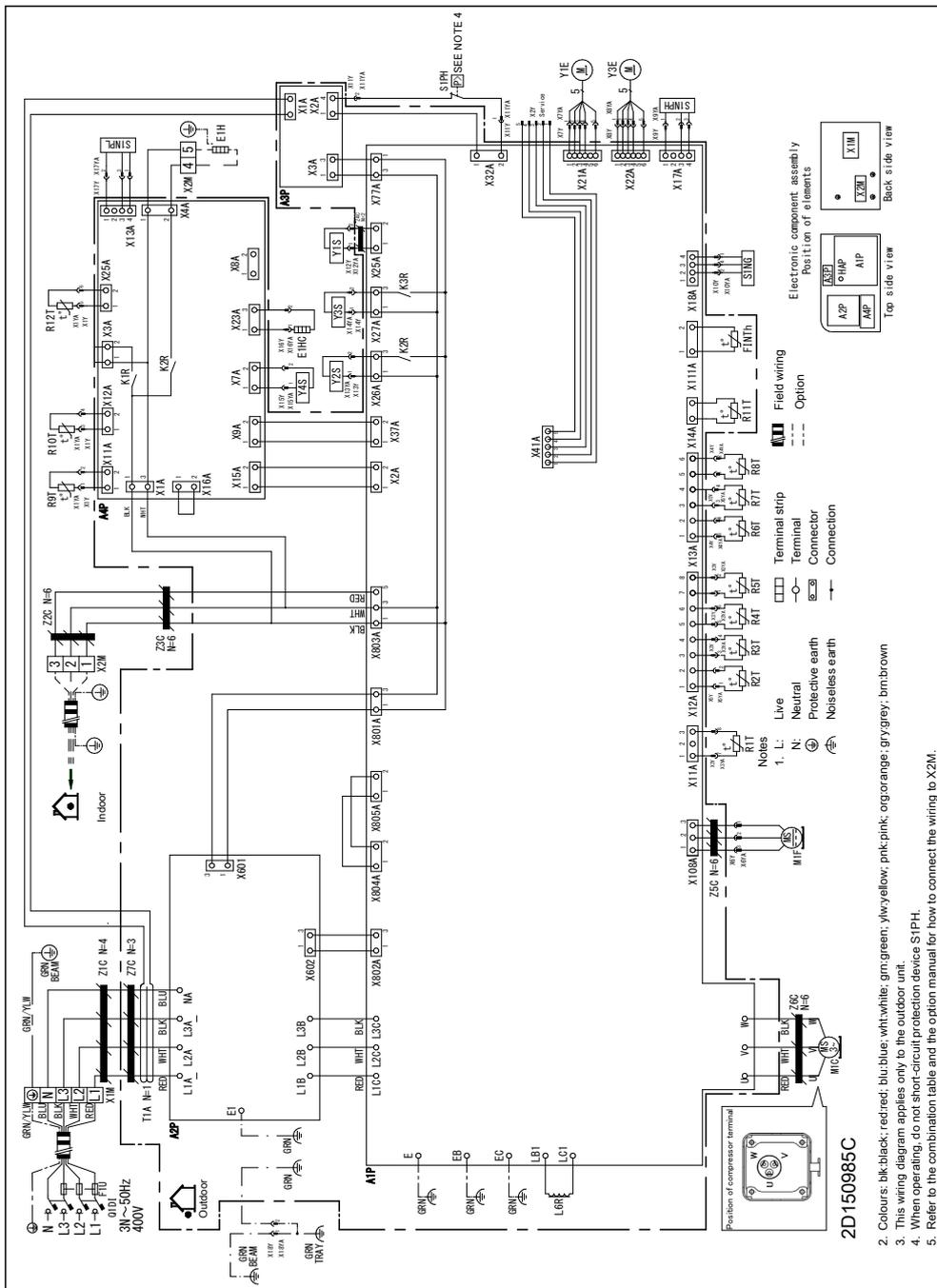
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7 Wiring diagrams

7 - 1 Wiring Diagrams - Three Phase

EPSK08-10AW1
EPSK12-14AW1

A1P	Printed circuit board (main)
A2P	Printed circuit board (net filter)
A3P	Printed circuit board (leakage current)
A4P	Printed circuit board (ACS)
E1H	Drain tube heater (field supply)
E1HC	Crank case heater
F1U	Field fuse (field supply)
HAP (A1P, A4P)	Light-emitting diode (service monitor is green)
K2R (A1P)	Magnetic relay (Y2S)
K3R (A1P)	Magnetic relay (Y3S)
M1G	Motor (Compressor)
M1F	Motor (fan)
Q1DI	Earth leakage circuit breaker (30mA)(field supply)
R1T	Thermistor (ambient)
R2T	Thermistor (discharge)
R3T	Thermistor (suction)
R4T	Thermistor (heat exchanger)
R5T	Thermistor (4-way valve suction)
R6T	Thermistor (liquid)
R7T	Thermistor (compressor shell)
R8T	Thermistor (injection before economiser)
R9T	Thermistor (water inlet)
R10T	Thermistor (water outlet)
R11T	Thermistor (heat pipe)
R12T	Thermistor (injection after economiser)
S1NG	Gas sensor
FINTh	Fin thermistor
S1NPL	Low pressure sensor
S1NPH	High pressure sensor
S1PH	High pressure switch
T1A	Current transformer
X+Y	Connectors
X+M	Terminal strip
Y1E	Electronic expansion valve (main)
Y3E	Electronic expansion valve (injection)
Y1S	Solenoid valve (4-way valve)
Y2S	Solenoid valve (low pressure bypass)
Y3S	Solenoid valve (hot gas bypass)
Y4S	Solenoid valve (liquid injection)
Z4C	Noise filter (ferrite core)



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8 Sound data

8 - 1 Sound Pressure Spectrum - Cooling

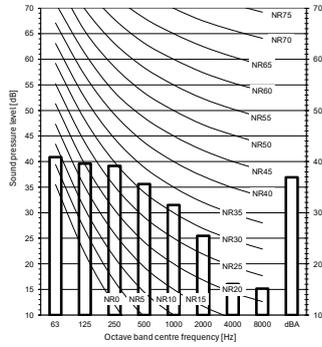
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EPSK06-10AV3

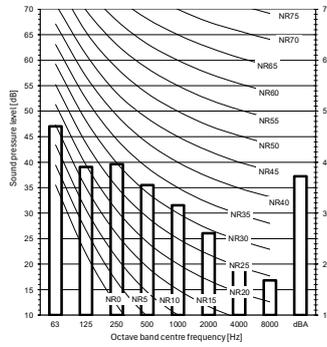
EPSK08-10AW1

Sound pressure [dBa]
Cooling operation
Normal mode

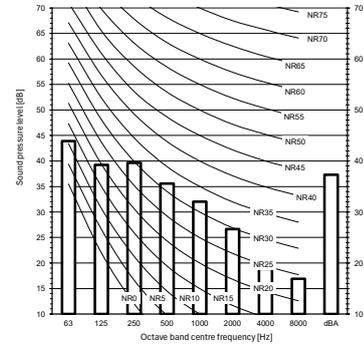
EPSK06ARV3



EPSK08AR*

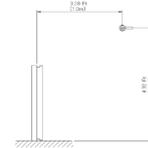


EPSK10AR*



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 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)

	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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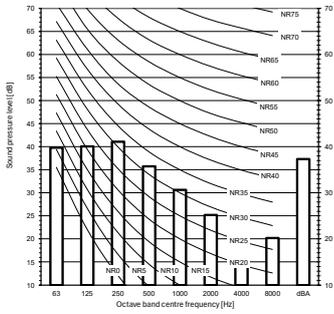
8 Sound data

8 - 2 Sound Pressure Spectrum - Heating

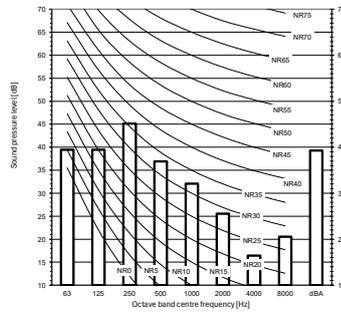
EPSK06-10AV3 EPSK08-10AW1

Sound pressure [dBa]
Heating operation
Normal mode

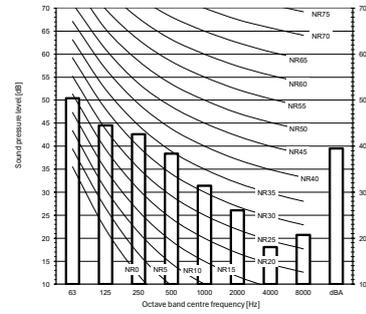
EPSK06ARV3



EPSK08AR*

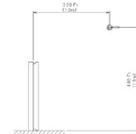


EPSK10AR*



Notes

1. Data is valid at free field condition.
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 [dB(A)]			Sound Power Level [dB(A)]		
Default	Low noise level -2	EPSK06ARV3	EPSK08AR*	EPSK10AR*	EPSK06ARV3	EPSK08AR*	EPSK10AR*
		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	37.3	27.7	23.3
EPSK08AR*	39.3	29.7	25.3
EPSK10AR*	39.5	30.0	25.6

3D155516

8 Sound data

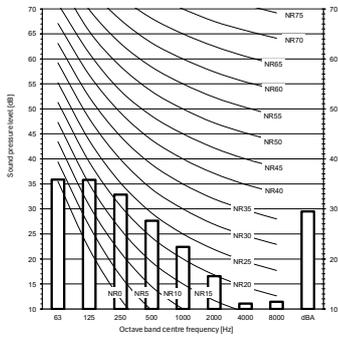
8 - 3 Sound Pressure Spectrum Quiet Mode

8

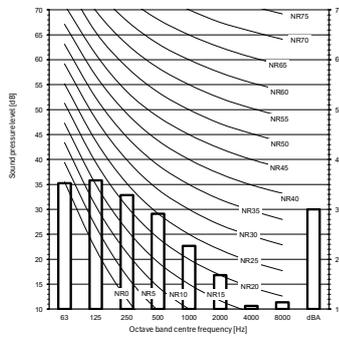
EPSK06-10AV3 EPSK08-12AW1

Sound pressure [dBa]
Heating operation
Quiet mode

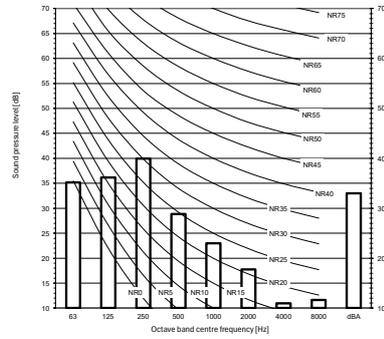
EPSK06ARV3



EPSK08AR*

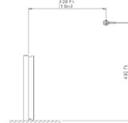


EPSK10AR*



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 [dB(A)]			Sound Power Level [dB(A)]		
		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)

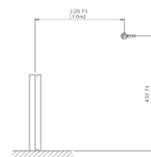
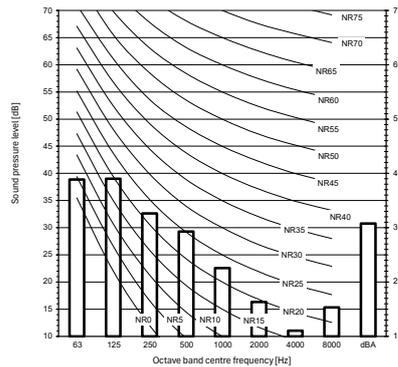
	Sound pressure [dBa]		
	1m	3m	5m
EPSK06ARV3	29.5	20.0	15.6
EPSK08AR*	30.0	20.5	16.1
EPSK10AR*	33.0	23.5	19.1

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EPSK06-10AV3 EPSK08-10AW1

Sound pressure [dBa]
Cooling operation
Quiet mode

EPSK06ARV3/EPK08AR*/EPK10AR*



Measuring location (discharge side)

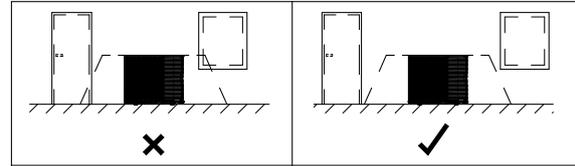
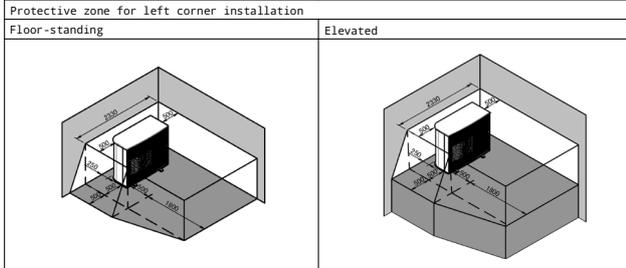
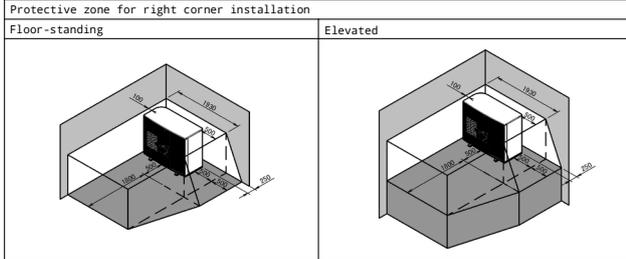
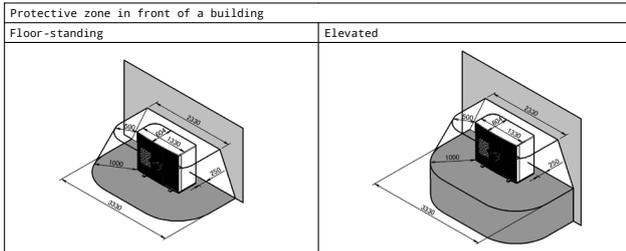
	Sound pressure [dBa]		
	1m	3m	5m
EPSK06ARV3	30.8	21.3	16.8
EPSK08AR*	30.8	21.3	16.8
EPSK10AR*	30.8	21.3	16.8

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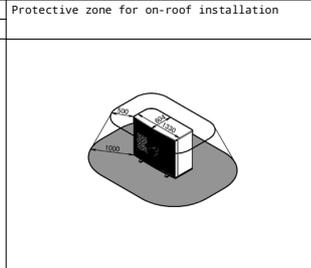
9 Installation

9 - 1 Installation Method

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



- 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).



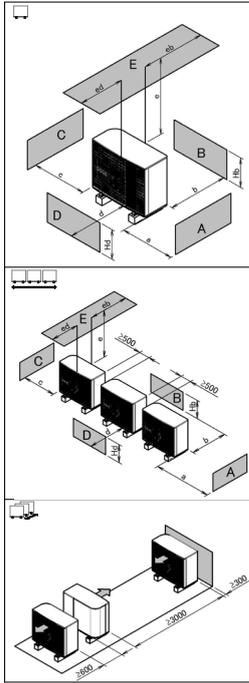
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9 Installation

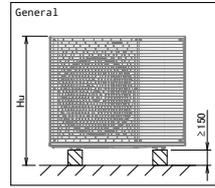
9 - 2 Installation Method in cascade applications

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							
	(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			



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.

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

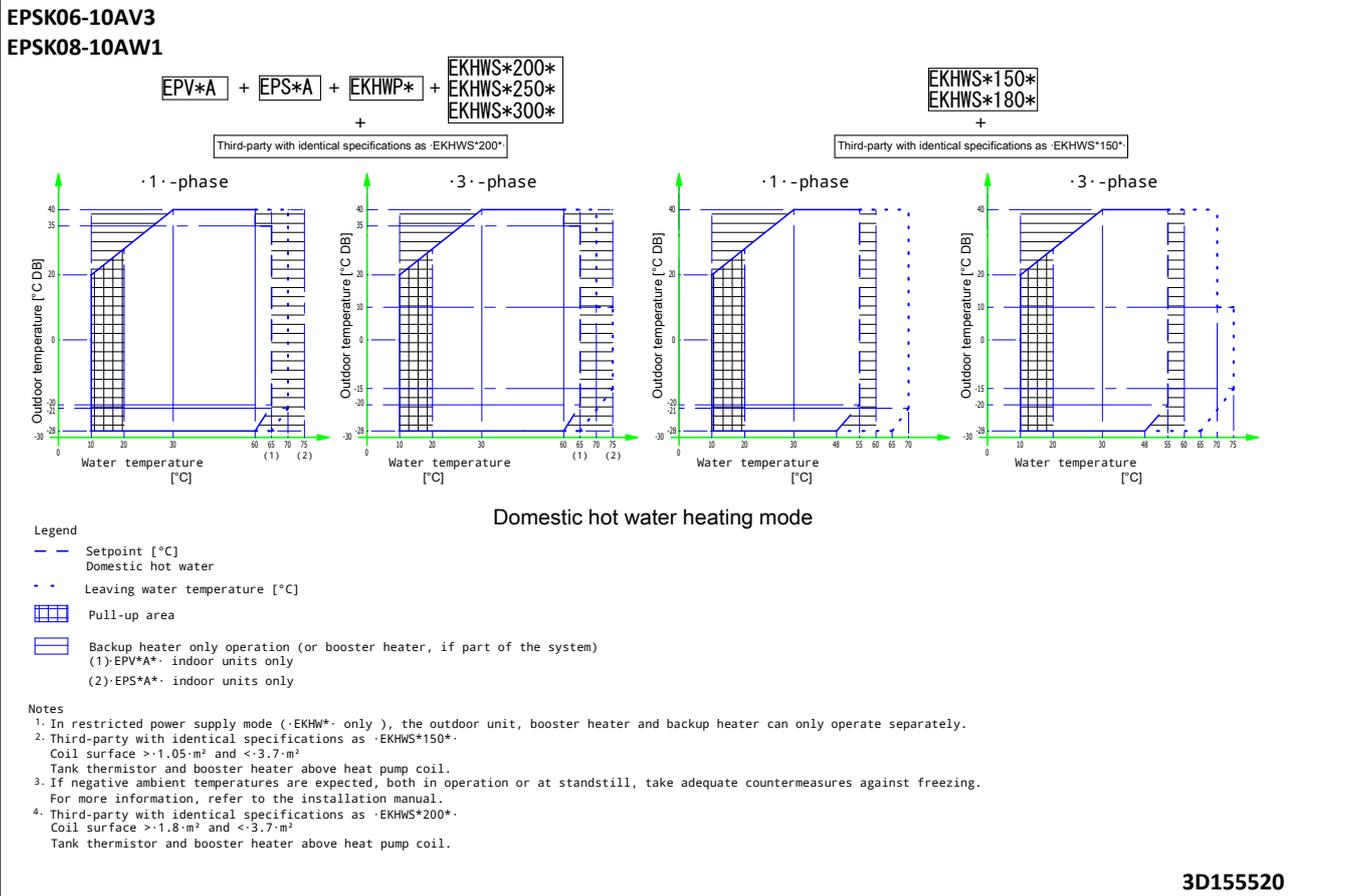
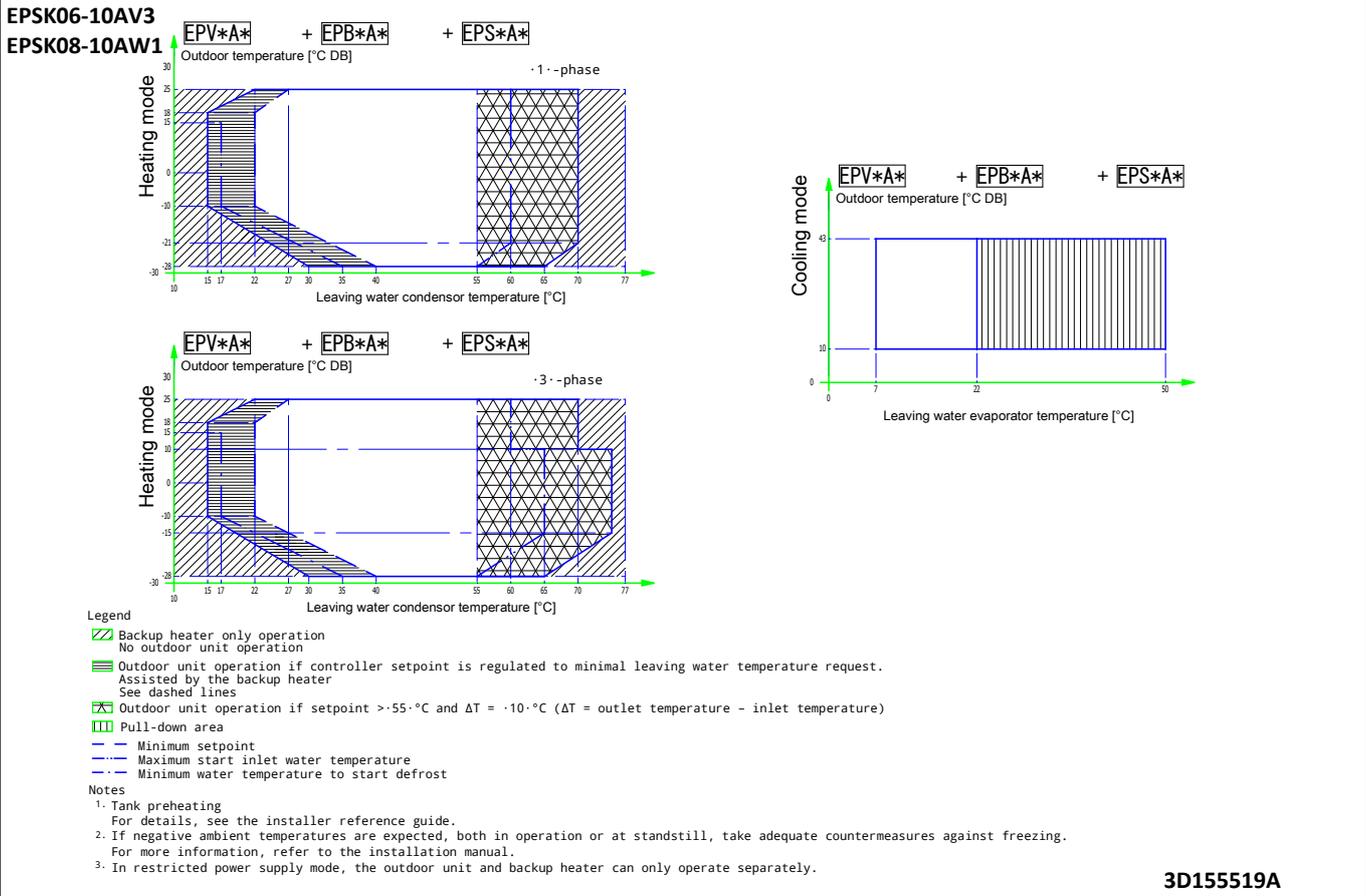
X Not allowed

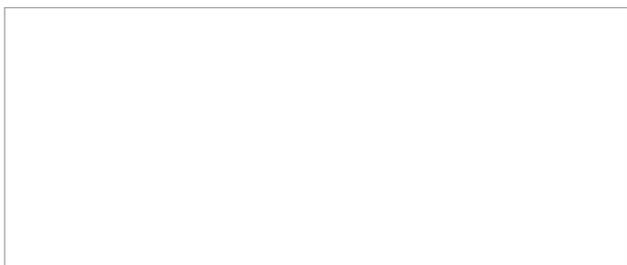


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10 Operation range

10 - 1 Operation Range





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