

2 Specifications

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Technical specifications				EPBX10A9W + EPSK06AV3	EPBX10A9W + EPSK08AV3	EPBX10A9W + EPSK10AV3		
Space heating 	Cold climate water outlet 35°C	B Condition (2°CDB/1°CWB)	Pdh	kW	2.5	2.9	3.2	
			PERd	%	201.4	197.4	193.8	
		C Condition (7°CDB/6°CWB)	Cdh (Degradation heating)			0.9		
			COPd		6.34	6.43	6.47	
			Pdh	kW		2.5		
			PERd	%	253.6	257.3	258.8	
		D Condition (12°CDB/11°CWB)	Cdh (Degradation heating)			0.9		
			COPd		7.71	7.85	7.98	
			Pdh	kW		2.9		
			PERd	%	308.4	314.2	319.3	
		Tol (temperature operating limit)	COPd			2.18		
			Pdh	kW	4.2		5.1	
			PERd	%	87.1		87	
			TOL	°C		-22		
			WTOL	°C		35		
		G Condition (-15°CDB/-)	COPd		2.87	2.75	2.65	
			Pdh	kW	5.1	6	6.9	
			PERd	%	114.8	110.1	105.8	
			Tbiv (bivalent temperature)	COPd	2.87	2.75	2.65	
			Pdh	kW	5.1	6	6.9	
	PERd	%	114.8	110.1	105.8			
	Tbiv	°C		-15				
Rated heat output supplementary capacity	Psup (at Tdesign -22°C)	kW	2.2	2.4	3.4			
Warm climate water outlet 35°C	General	Annual energy consumption		kWh	1,364	1,561	1,755	
		ηs (Seasonal space heating efficiency)		%	252	254	256	
		Prated at 2°C		kW	6.5	7.5	8.5	
	B Condition (2°CDB/1°CWB)	Cdh (Degradation heating)			1			
		COPd		4.39				
		Pdh	kW		5.2			
		PERd	%		175.4			
	C Condition (7°CDB/6°CWB)	Cdh (Degradation heating)			1			
		COPd		5.88	5.86	5.84		
		Pdh	kW	4.1	5	5.9		
		PERd	%	235.4	234.6	233.7		
	Tbiv (bivalent temperature)	COPd		4.85	4.79	4.72		
Pdh		kW	5.5	6.3	7.1			
	PERd	%	194.2	191.4	188.7			
Space heating 	Warm climate water outlet 35°C	Tbiv (bivalent temperature)	Tbiv	°C		4		
			Cdh (Degradation heating)			0.9		
		D Condition (12°CDB/11°CWB)	COPd		7.81	8	8.18	
			Pdh	kW		2.9		
	PERd	%	312.4	319.8	327.2			

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

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

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

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

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Technical specifications			EPSX10P30A + EPSK06AV3	EPSX10P50A + EPSK06AV3	EPSX10P30A + EPSK08AV3	EPSX10P50A + EPSK08AV3	EPSX10P30A + EPSK10AV3	EPSX10P50A + EPSK10AV3	
General	Supplier/ Manufacturer details	Name and address 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						
	LW(A) Sound power level (according to EN14825)	Water-to-water heat pump	No						
		dB(A)	49						
	LW(A) Sound power level (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	0.021						
		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	
		Psup kW	9						
Space heating general	Integrated supplementary heater	Type of energy input	Electrical						
Domestic hot water heating	Average climate	AEC (Annual electricity consumption) kWh	1,016	1,352	1,016	1,352	1,016	1,352	
		COPdhw	2.52	3.1	2.52	3.1	2.52	3.1	
		Heat up time	2h 13min	3h 18min	2h 13min	3h 18min	2h 13min	3h 18min	
		Mixed water at 40°C I	155.4	253.4	155.4	253.4	155.4	253.4	
		η _{wh} (water heating efficiency) %	101	124	101	124	101	124	
		Qelec (Daily electricity consumption) kWh	4.628	6.158	4.628	6.158	4.628	6.158	
Domestic hot water heating	Average climate	Reference hot water temperature °C	45.2	44.5	45.2	44.5	45.2	44.5	
		Stand-by power input W	50						
		Water heating energy efficiency class	A	A+	A	A+	A	A+	
	Cold climate	AEC (Annual electricity consumption) kWh	1,199	1,597	1,199	1,597	1,199	1,597	
		COPdhw	2.14	2.62	2.14	2.62	2.14	2.62	
		Heat up time	2h 29min	3h 52min	2h 29min	3h 52min	2h 29min	3h 52min	
		Mixed water at 40°C I	155.4	253.4	155.4	253.4	155.4	253.4	
		η _{wh} (water heating efficiency) %	85	105	85	105	85	105	
		Qelec (Daily electricity consumption) kWh	4.662	7.273	4.662	7.273	4.662	7.273	
	Warm climate	Reference hot water temperature °C	45.2	44.5	45.2	44.5	45.2	44.5	
		Stand-by power input W	50						
		AEC (Annual electricity consumption) kWh	883	1,163	883	1,163	883	1,163	
COPdhw		2.9	3.6	2.9	3.6	2.9	3.6		
Heat up time		2h 05min	2h 55min	2h 05min	2h 55min	2h 05min	2h 55min		
Mixed water at 40°C I		155.4	253.4	155.4	253.4	155.4	253.4		
Domestic hot water heating	Average climate	η _{wh} (water heating efficiency) %	116	144	116	144	116	144	
		Qelec (Daily electricity consumption) kWh	4.02	5.294	4.02	5.294	4.02	5.294	
		Reference hot water temperature °C	45.2	44.5	45.2	44.5	45.2	44.5	
		Stand-by power input W	50		-				
		AEC (Annual electricity consumption) kWh	883	1,163	883	1,163	883	1,163	
		COPdhw	2.9	3.6	2.9	3.6	2.9	3.6	

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Technical specifications				EPSX10P30A + EPSK06AV3	EPSX10P50A + EPSK06AV3	EPSX10P30A + EPSK08AV3	EPSX10P50A + EPSK08AV3	EPSX10P30A + EPSK10AV3	EPSX10P50A + EPSK10AV3			
Space heating 	Average climate water outlet 55°C	General	Annual energy consumption	kWh	3,438		3,903		4,363			
			ηs (Seasonal space heating efficiency)	%	153		156		158			
			Prated at -10°C	kW	6.5		7.5		8.5			
			SCOP		3.91		3.97		4.02			
			Seasonal space heating eff. class				A+++					
			A Condition (-7°CDB/-8°CWB)	Cdh (Degradation heating)			1					
				COPd		2.65		2.64		2.62		
				Pdh	kW	5.7		6.6		7.4		
				PERd	%	106		105.5		104.9		
			B Condition (2°CDB/1°CWB)	Cdh (Degradation heating)			1					
				COPd		3.86		3.92		3.98		
				Pdh	kW	3.5		4.1		4.7		
				PERd	%	154.4		156.8		159.1		
			C Condition (7°CDB/6°CWB)	Cdh (Degradation heating)			1					
				COPd		4.68		4.8		4.93		
				Pdh	kW	2.3		2.6		2.9		
				PERd	%	187.2		192.1		197		
			D Condition (12°CDB/11°CWB)	Cdh (Degradation heating)			1					
			Space heating 	Average climate water outlet 55°C	D Condition (12°CDB/11°CWB)	COPd		6.38		6.45		6.52
						Pdh	kW			2.8		
PERd	%	255.1					258		260.8			
Tol (temperature operating limit)	COPd					2.38		2.33		2.28		
	Pdh	kW				6.2		7.4		8.4		
	PERd	%				95.1		93		91.1		
	TOL	°C						-10				
	WTOL	°C						55				
Rated heat output supplementary capacity	Psup (at Tdesign -10°C)	kW				0.3				0		
	Tbiv (bivalent temperature)	COPd					2.65		2.33		2.28	
		Pdh				kW	5.7		7.4		8.4	
		PERd				%	106		93		91.1	
		Tbiv				°C	-7				-10	
Cold climate water outlet 55°C	General	Annual energy consumption				kWh	4,952		5,360		5,968	
		ηs (Seasonal space heating efficiency)				%	126		135		137	
		Prated at -22°C				kW	6.5		7.5		8.5	
		A Condition (-7°CDB/-8°CWB)				Cdh (Degradation heating)			1			
						COPd		2.94		2.98		3.01
						Pdh	kW	3.7		4.5		5.2
						PERd	%	117.7		119.1		120.5
		B Condition (2°CDB/1°CWB)	Cdh (Degradation heating)			1						
			COPd		3.79		3.99		4.18			
			Pdh	kW	2.3		2.9		3.4			
			PERd	%	151.6		159.5		167.4			
		C Condition (7°CDB/6°CWB)	Cdh (Degradation heating)			1						
			COPd		5.06		5.09		5.11			
			Pdh	kW			2.4					
			PERd	%	202.5		203.4		204.2			
		D Condition (12°CDB/11°CWB)	COPd		6.72		6.55		6.38			
			Pdh	kW			2.9					
			PERd	%	268.9		262		255			
		Tol (temperature operating limit)	COPd				1.71					
			Pdh	kW	4.5				5.5			
PERd	%				68.5							
TOL	°C				-22							
WTOL	°C				55							
G Condition (-15°CDB/-)	COPd		2.3		2.24		2.19					

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

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

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

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

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