

2 Specifications

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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/1°CWB)	Cdh (Degradation heating)				1				
			COPd				4.39				
			Pdh	kW			5.2				
		PERd	%			175.4					
C Condition (7°CDB/ B/6°CWB)		Cdh (Degradation heating)				1					
		COPd		5.88		5.86		5.84			
		Pdh	kW	4.1		5		5.9			
		PERd	%	235.4		234.6		233.7			
Tbiv (bivalent tempera- ture)		COPd		4.85		4.79		4.72			
		Pdh	kW	5.5		6.3		7.1			
		PERd	%	194.2		191.4		188.7			
		Tbiv	°C			4					
D Condition (12°CDB/ B/11°CWB)		Cdh (Degradation heating)				0.9					
	COPd		7.81		8		8.18				
	Pdh	kW			2.9						
	PERd	%	312.4		319.8		327.2				

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

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

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

Technical specifications				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
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			54.4				

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Technical specifications			EPSXB10P30A + EPSK06AV3	EPSXB10P50A + EPSK06AV3	EPSXB10P30A + EPSK08AV3	EPSXB10P50A + EPSK08AV3	EPSXB10P30A + EPSK10AV3	EPSXB10P50A + EPSK10AV3
General	Supplier/Manufacturer details	Name and address 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 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
		Integrated supplementary heater	Psup kW 9					
Domestic hot water heating	Average climate	AEC (Annual electricity consumption)	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	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)	4.628	6.158	4.628	6.158	4.628	6.158
		Reference hot water temperature	45.2	44.5	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+	A	A+
		Cold climate	AEC (Annual electricity consumption)	1,199	1,597	1,199	1,597	1,199
	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		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)		4.662	7.273	4.662	7.273	4.662	7.273
	Reference hot water temperature		45.2	44.5	45.2	44.5	45.2	44.5
	Warm climate	Stand-by power input	W 50					
		AEC (Annual electricity consumption)	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		155.4	253.4	155.4	253.4	155.4	253.4	
η _{wh} (water heating efficiency)		116	144	116	144	116	144	
Qelec (Daily electricity consumption)	4.02	5.294	4.02	5.294	4.02	5.294		
Reference hot water temperature	45.2	44.5	45.2	44.5	45.2	44.5		

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

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

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Technical specifications				EPSXB10P30A + EPSK06AV3	EPSXB10P50A + EPSK06AV3	EPSXB10P30A + EPSK08AV3	EPSXB10P50A + EPSK08AV3	EPSXB10P30A + EPSK10AV3	EPSXB10P50A + EPSK10AV3		
Space heating Average climate water outlet 35°C	C Condition (7°CDB/6°CWB)	Cdh (Degradation heating)		0.9					1		
		COPd		6.37		6.43		6.48			
		Pdh kW		2.5		2.7		2.9			
		PERd %		254.9		257		259.2			
	D Condition (12°CDB/11°CWB)	Cdh (Degradation heating)		0.9							
		COPd		8.15		8.23		8.3			
		Pdh kW				2.9					
		PERd %		325.9		329		332.2			
	Tol (temperature operating limit)	COPd		3.11					2.97	2.84	
		Pdh kW		5.8					7.4	8.3	
		PERd %		124.2					118.6	113.4	
		TOL °C							-10		
	G Condition (-15°CDB/-)	WTOL °C							35		
		PERd %							0		
		Tbiv COPd		3.49					2.97	2.84	
		Pdh kW		5.8					7.4	8.3	
	Rated heat output supplementary capacity	PERd %		139.7					118.6	113.4	
		Tbiv °C		-7					-10		
		Psup (at Tdesign -10°C) kW		0.7					0		
	Cold climate water outlet 35°C	General	Annual energy consumption kWh		3,643					4,304	4,948
			ηs (Seasonal space heating efficiency) %		170					169	166
			Prated at -22°C kW		6.4					7.5	8.5
		A Condition (-7°CDB/8°CWB)	COPd		3.86					3.84	3.83
			Pdh kW		4.2					4.6	5
		B Condition (2°CDB/1°CWB)	PERd %		154.4					153.7	153.1
			Cdh (Degradation heating)							1	
			COPd		5.04					4.94	4.84
		C Condition (7°CDB/6°CWB)	Pdh kW		2.5					2.9	3.2
			PERd %		201.4					197.4	193.8
	Cdh (Degradation heating)							0.9			
D Condition (12°CDB/11°CWB)	COPd		6.34					6.43	6.47		
	Pdh kW		2.5					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			
PERd %		308.4					314.2	319.3			

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Technical specifications				EPSXB10P30A + EPSK06AV3	EPSXB10P50A + EPSK06AV3	EPSXB10P30A + EPSK08AV3	EPSXB10P50A + EPSK08AV3	EPSXB10P30A + EPSK10AV3	EPSXB10P50A + EPSK10AV3
Space heating	Cold climate water outlet 35°C	Tol (tem- perature operating limit)	COPd				2.18		
			Pdh	kW	4.2			5.1	
			PERd	%	87.1			87	
			TOL	°C				-22	
			WTOL	°C				35	
			G Condition	COPd		2.87		2.75	
		(-15°CDB/-)	Pdh	kW	5.1		6		6.9
			PERd	%	114.8		110.1		105.8
			Tbiv	COPd	2.87		2.75		2.65
		(bivalent tempera- ture)	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/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		5.88		5.86		5.84
			Pdh	kW	4.1		5		5.9
		PERd	%	235.4		234.6		233.7	
			Tbiv	COPd	4.85		4.79		4.72
(bivalent tempera- ture)			Pdh	kW	5.5		6.3		7.1
	PERd	%	194.2		191.4		188.7		
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				EPVX10S18A4V + EPSK06AV3	EPVX10S23A4V + EPSK06AV3	EPVX10S18A4V + EPSK08AV3	EPVX10S23A4V + EPSK08AV3	EPVX10S18A4V + EPSK10AV3	EPVX10S23A4V + EPSK10AV3
Indoor unit				EPVX10S18AJ4V	EPVX10S23AJ4V	EPVX10S18AJ4V	EPVX10S23AJ4V	EPVX10S18AJ4V	EPVX10S23AJ4V
Outdoor unit				EPSK06ARV3		EPSK08ARV3		EPSK10ARV3	
Heating capacity	Nom.	kW		5.81 (1)		7.62 (1)		8.11 (1)	
Cooling capacity	Nom.	kW		6.00 (2) / 6.37 (3)		6.89 (2) / 6.37 (3)		7.84 (2) / 6.37 (3)	
Power input	Heating	Nom.	kW	1.12 (1)		1.52 (1)		1.64 (1)	
	Cooling	Nom.	kW	1.55 (2) / 1.13 (3)		1.85 (2) / 1.13 (3)		2.17 (2) / 1.13 (3)	
Domestic hot water from 10°C to 50°C	Nom.	kWh		2.35	2.89	2.35	2.89	2.35	2.89
			Heat up time from 10°C to 50°C	hr	1h 27min	1h 58min	1h 27min	1h 58min	1h 27min
COP				5.19 (1)		5.01 (1)		4.94 (1)	
EER				3.87 (2) / 5.63 (3)		3.73 (2) / 5.63 (3)		3.62 (2) / 5.63 (3)	
Pump	Nominal ESP unit	Heating	kPa	60.6					
General	Supplier/ Manufacturer details	Name and address Name or trademark		Daikin Europe N.V. - Zandvoordestraat 300, 8400 Oostende, Belgium Daikin Europe N.V.					
	Product description	Air-to-water heat pump		Yes					
		Brine-to-water heat pump		No					
		Heat pump combination heater		No					
		Low-temperature heat pump		No					
		Supplementary heater integrated		Yes					
	Water-to-water heat pump		No						
LW(A) Sound power level (according to EN14825)	dB(A)	dB(A)		45					