

2 Specifications

2 - 1 Specifications

Technical specifications				EPBX10A4V + EPSK06AV3	EPBX10A4V + EPSK08AV3	EPBX10A4V + EPSK10AV3				
Space heating 	Cold climate water outlet 35°C	B Condition (2°CDB/1°CWB)	Pdh	kW	2.5	2.9	3.2			
			PERd	%	201.4	197.4	193.8			
			Cdh (Degradation heating)				0.9			
		C Condition (7°CDB/6°CWB)	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				
		Tol (temperature operating limit)	PERd	%	308.4	314.2	319.3			
			COPd			2.18				
			Pdh	kW	4.2		5.1			
		G Condition (-15°CDB/-)	PERd	%	87.1		87			
			TOL	°C		-22				
			WTOL	°C		35				
		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					
C Condition (7°CDB/6°CWB)	PERd		%		175.4					
	Cdh (Degradation heating)				1					
	COPd			5.88	5.86	5.84				
Tbiv (bivalent temperature)	Pdh		kW	4.1	5	5.9				
	PERd	%	235.4	234.6	233.7					
	COPd		4.85	4.79	4.72					
Rated heat output supplementary capacity	Pdh	kW	5.5	6.3	7.1					
	PERd	%	194.2	191.4	188.7					
	Psup (at Tdesign -22°C)	kW	2.2	2.4	3.4					
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				EPBX10A9W + EPSK06AV3	EPBX10A9W + EPSK08AV3	EPBX10A9W + EPSK10AV3
Indoor unit					EPBX10AF9W	
Outdoor unit				EPSK06ARV3	EPSK08ARV3	EPSK10ARV3
Heating capacity	Nom.		kW	5.81 (1)	7.62 (1)	8.11 (1)
Cooling capacity	Nom.		kW	6.00 (2) / 6.37 (3)	6.89 (2) / 6.37 (3)	7.84 (2) / 6.37 (3)
Power input	Heating	Nom.	kW	1.12 (1)	1.52 (1)	1.64 (1)
	Cooling	Nom.	kW	1.55 (2) / 1.13 (3)	1.85 (2) / 1.13 (3)	2.17 (2) / 1.13 (3)
COP				5.19 (1)	5.01 (1)	4.94 (1)
EER				3.87 (2) / 5.63 (3)	3.73 (2) / 5.63 (3)	3.62 (2) / 5.63 (3)
Pump	Nominal ESP	Heating unit	kPa	59.3		

2 Specifications


2 - 1 Specifications

2

Technical specifications				EPBX10A9W + EPSK06AV3	EPBX10A9W + EPSK08AV3	EPBX10A9W + EPSK10AV3	
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	0.021			
		Psb (Standby mode)	kW	0.021			
		Pto (Thermostat off)	kW	0.021			
	Integrated supplemen- tary heater	Psup		9			
		Type of energy input		Electrical			
Space heating 	Average climate water outlet 55°C	General	Annual energy consumption	kWh	3,438	3,903	4,363
			η_s (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°C _D - B/-8°C _{WB})	Cdh (Degradation heating)		1		
	A Condition (-7°C _D - B/-8°C _{WB})	COP _d		2.65	2.64	2.62	
		Pd _h		5.7	6.6	7.4	
	PER _d		106	105.5	104.9		


2 Specifications

2 - 1 Specifications

Technical specifications				EPBX10A9W + EPSK06AV3	EPBX10A9W + EPSK08AV3	EPBX10A9W + EPSK10AV3
Space heating 	Average climate water outlet 55°C	B Condition (2°CDB/1°CWB)	Cdh (Degradation heating)		1	
			COPd	3.86	3.92	3.98
			Pdh kW	3.5	4.1	4.7
			PERd %	154.4	156.8	159.1
		C Condition (7°CDB/6°CWB)	Cdh (Degradation heating)		1	
			COPd	4.68	4.8	4.93
			Pdh kW	2.3	2.6	2.9
			PERd %	187.2	192.1	197
		D Condition (12°CDB/11°CWB)	Cdh (Degradation heating)		1	
			COPd	6.38	6.45	6.52
			Pdh kW		2.8	
			PERd %	255.1	258	260.8
	Tol (temperature operating limit)	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		

2 Specifications

2 - 1 Specifications

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

2 Specifications




2 - 1 Specifications

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

2 Specifications

2 - 1 Specifications

2

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