Heating
Technical Data

EPGA011-016DV

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EPGA011-016DV

1 Features

- Energy savings increase even more when choosing products with R-32 refrigerant
- Outdoor unit extracts heat from the outdoor air, even at -25°C
- Freeze protection of hydraulic parts
- Optimal domestic hot water performance: the low temperature evolution enables high tapping performance

Guaranteed operation down to -28°C

2 Specifications

CONNECTABLE INDOOR UNITS							
2-1 Capacity and Power input					**EABH16D6V/EPGA11DV**	**EABH16D6V/EPGA14DV**	**EABH16D6V/EPGA16DV**
Indoor unit					EABH16DA6V		
Outdoor unit					EPGA11DAV3	EPGA14DAV3	EPGA16DAV3
Space heating	Average climate water outlet 55°C	General	Annual energy consumption	kWh	7,845	8,669	9,706
			ηs (Seasonal space heating efficiency)	%	129	130	133
			Prated at -10°C	kW	13	14	16
			SCOP		3.29	3.34	3.41
			Seasonal space heating eff. class		A++		
		A Condition (-7°CDB/-8°CWB)	Cdh (Degradation heating)		1.0		
			COPd		2.25	2.17	2.23
			Pdh	kW	11.5	12.3	13.1
			PERd	%	90.0	86.8	89.2
		B Condition (2°CDB/1°CWB)	Cdh (Degradation heating)		1.0		
			COPd		3.14	3.18	3.26
			Pdh	kW	6.5	8.1	8.7
			PERd	%	125.6	127.2	130.4
		C Condition (7°CDB/6°CWB)	Cdh (Degradation heating)		0.96	1.0	
			COPd		4.27	4.46	4.62
			Pdh	kW	4.6	5.0	5.8
			PERd	%	170.8	178.4	184.8
		D Condition (12°CDB/11°CWB)	Cdh (Degradation heating)		0.95		
			COPd		5.75	5.94	6.47
			Pdh	kW	5.2		
			PERd	%	230.0	237.6	258.8
		Tol (temperature operating limit)	COPd		2.11	2.10	2.05
			Pdh	kW	12.5	13.5	13.2
			PERd	%	84.4	84.0	82.0
			TOL	°C	-10		
			WTOL	°C	55		
		Rated heat output supplementary capacity	Psup (at Tdesign -10°C)	kW	0.0	0.5	2.8
		Tbiv (bivalent temperature)	COPd		2.11	2.17	2.40
			Pdh	kW	12.5	12.3	12.9
			PERd	%	84.4	86.8	96.0
			Tbiv	°C	-10	-7	-5

2 Specifications

CONNECTABLE INDOOR UNITS							
2-1 Capacity and Power input					**EABH16D6V/EPGA11DV**	**EABH16D6V/EPGA14DV**	**EABH16D6V/EPGA16DV**
Space heating	Cold climate water outlet 55°C	General	Annual energy consumption	kWh	10,085	11,385	12,295
			ηs (Seasonal space heating efficiency)	%	124	123	121
			Prated at -22°C	kW	13	15	
		A Condition (-7°CDB/-8°CWB)	Cdh (Degradation heating)		1.0		
			COPd		2.68	2.61	2.58
			Pdh	kW	8.3	8.8	9.4
			PERd	%	107.2	104.4	103.2
		B Condition (2°CDB/1°CWB)	Cdh (Degradation heating)		1.0		
			COPd		3.75		3.66
			Pdh	kW	5.1	5.5	5.9
			PERd	%	150.0		146.4
		C Condition (7°CDB/6°CWB)	Cdh (Degradation heating)		0.96		
			COPd		4.63	4.70	4.75
			Pdh	kW	4.5		
			PERd	%	185.2	188.0	190.0
		D Condition (12°CDB/11°CWB)	COPd		6.01	6.13	6.21
			Pdh	kW	5.2		5.1
			PERd	%	240.4	245.2	248.4
		Tol (temperature operating limit)	COPd		1.34		
			Pdh	kW	7.5		
			PERd	%	53.6		
			TOL	°C	-21		
			WTOL	°C	54		
		G Condition (-15°CDB/-)	COPd		2.10	2.12	2.13
			Pdh	kW	11.1	11.9	12.6
			PERd	%	84.0	84.8	85.2
		Tbiv (bivalent temperature)	COPd		1.93	2.05	2.13
			Pdh	kW	11.4	12.4	12.6
			PERd	%	77.2	82.0	85.2
			Tbiv	°C	-18	-16	-15
		Rated heat output supplementary capacity	Psup (at Tdesign -22°C)	kW	5.5	7.0	7.9
	Warm climate water outlet 55°C	General	Annual energy consumption	kWh	3,696	4,104	4,362
			ηs (Seasonal space heating efficiency)	%	156	160	162
			Prated at 2°C	kW	11	13	14
		B Condition (2°CDB/1°CWB)	Cdh (Degradation heating)		1.0		
			COPd		2.45	2.43	2.41
			Pdh	kW	11.4	12.4	13.5
			PERd	%	98.0	97.2	96.4
		C Condition (7°CDB/6°CWB)	Cdh (Degradation heating)		1.0		
			COPd		3.58	3.62	3.66
			Pdh	kW	7.2	7.9	8.7
			PERd	%	143.2	144.8	146.4
		D Condition (12°CDB/11°CWB)	Cdh (Degradation heating)		0.96		
			COPd		5.16	5.29	5.38
			Pdh	kW	5.3	5.2	
			PERd	%	206.4	211.6	215.2
		Tbiv (bivalent temperature)	COPd		2.45	2.43	2.41
			Pdh	kW	11.4	12.4	13.5
			PERd	%	98.0	97.2	96.4
			Tbiv	°C	2		

2 Specifications

CONNECTABLE INDOOR UNITS								
2-1 Capacity and Power input						**EABH16D6V/EPGA11DV**	**EABH16D6V/EPGA14DV**	**EABH16D6V/EPGA16DV**
Space heating	Average climate water outlet 35°C	General	SCOP			4.38	4.45	4.56
			Annual energy consumption	kWh		5,189	5,797	6,345
			ηs (Seasonal space heating efficiency)	%		172	175	179
			Prated at -10°C	kW		11	13	14
			Seasonal space heating eff. class			A++	A+++	
		A Condition (-7°CDB/-8°CWB)	COPd			3.07	2.85	2.99
			Pdh	kW		9.7	11.1	12.2
			PERd	%		122.8	114.0	119.6
		B Condition (2°CDB/1°CWB)	Cdh (Degradation heating)			1.0		
			COPd			4.15	4.24	4.30
			Pdh	kW		6.3	7.0	7.4
			PERd	%		166.0	169.6	172.0
		C Condition (7°CDB/6°CWB)	Cdh (Degradation heating)			0.95	1.0	0.95
			COPd			5.86	6.24	6.35
			Pdh	kW		4.5		5.0
			PERd	%		234.4	249.6	254.0
		D Condition (12°CDB/11°CWB)	Cdh (Degradation heating)			0.94		
			COPd			7.88	8.12	
			Pdh	kW		5.3		
			PERd	%		315.2	324.8	
		Tol (temperature operating limit)	COPd			2.80	2.53	2.72
			Pdh	kW		11.0	12.5	14.5
			PERd	%		112.0	101.2	108.8
			TOL	°C		-10		
			WTOL	°C		35		
		Tbiv (bivalent temperature)	COPd			2.80	2.53	2.72
			Pdh	kW		11.0	12.5	14.5
			PERd	%		112.0	101.2	108.8
			Tbiv	°C		-10		
		Rated heat output supplementary capacity	Psup (at Tdesign -10°C)	kW		0.0		

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CONNECTABLE INDOOR UNITS							
2-1 Capacity and Power input					**EABH16D6V/EPGA11DV**	**EABH16D6V/EPGA14DV**	**EABH16D6V/EPGA16DV**
Space heating	Cold climate water outlet 35°C	General	Annual energy consumption	kWh	9,295	10,249	11,108
			ηs (Seasonal space heating efficiency)	%	151		157
			Prated at -22°C	kW	15	16	18
			Qhe Annual energy consumption (GCV)	Gj	33.5	36.9	40.0
		A Condition (-7°CDB/-8°CWB)	COPd		3.09	3.20	3.39
			Pdh	kW	9.0	9.7	10.8
			PERd	%	123.6	128.0	135.6
		B Condition (2°CDB/1°CWB)	Cdh (Degradation heating)		1.0		0.97
			COPd		4.45		4.68
			Pdh	kW	5.6		7.1
			PERd	%	178.0		187.2
		C Condition (7°CDB/6°CWB)	Cdh (Degradation heating)		0.94		
			COPd		6.24	6.46	6.75
			Pdh	kW	4.5		4.6
			PERd	%	249.6	258.4	270.0
		D Condition (12°CDB/11°CWB)	Cdh (Degradation heating)		0.94		
			COPd		7.84	7.98	8.19
			Pdh	kW	5.2	5.3	
			PERd	%	313.6	319.2	327.6
		Tol (temperature operating limit)	COPd		2.13	2.10	
			Pdh	kW	11.8	13.5	
			PERd	%	85.2	84.0	
			TOL	°C	-22		
			WTOL	°C	35		
		G Condition (-15°CDB/-)	COPd		2.67	2.43	2.40
			Pdh	kW	12.1	13.4	14.6
			PERd	%	106.8	97.2	96.0
		Tbiv (bivalent temperature)	COPd		2.49	2.36	2.40
			Pdh	kW	13.1	13.7	14.6
			PERd	%	99.6	94.4	96.0
			Tbiv	°C	-18	-16	-15
		Rated heat output supplementary capacity	Psup (at Tdesign -22°C)	kW	2.7	2.5	4.5

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CONNECTABLE INDOOR UNITS							
2-1 Capacity and Power input					**EABH16D6V/EPGA11DV**	**EABH16D6V/EPGA14DV**	**EABH16D6V/EPGA16DV**
Space heating	Warm climate water outlet 35°C	General	Annual energy consumption	kWh	2,496	2,779	3,136
			ηs (Seasonal space heating efficiency)	%	233	237	236
			Prated at 2°C	kW	11	13	14
		B Condition (2°CDB/1°CWB)	Cdh (Degradation heating)		1.0		
			COPd		3.40	3.25	3.22
			Pdh	kW	11.1	12.4	12.7
			PERd	%	136.0	130.0	128.8
		C Condition (7°CDB/6°CWB)	Cdh (Degradation heating)		1.0		
			COPd		5.67	5.70	5.73
			Pdh	kW	7.6	8.4	9.3
			PERd	%	226.8	228.0	229.2
		Tbiv (bivalent temperature)	COPd		3.40	3.25	3.44
			Pdh	kW	11.1	12.4	12.2
			PERd	%	136.0	130.0	137.6
			Tbiv	°C	2		4
		D Condition (12°CDB/ 11°CWB)	Cdh (Degradation heating)		0.94		
			COPd		7.60	7.78	8.03
			Pdh	kW	5.2	5.3	
			PERd	%	304.0	311.2	321.2
Space heating general	Air to water unit	Rated airflow (outdoor)		m³/h	6,900		8,100
	Other	Capacity control			Inverter		
		Pck (Crankcase heater mode)		kW	0.000		
		Poff (Off mode)		kW	0.021		
		Psb (Standby mode)		kW	0.021		
		Pto (Thermostat off)		kW	0.041		
	Integrated supplementary heater	Psup		kW	6.0		
		Type of energy input			Electrical		
Domestic hot water heating	Average climate	ηwh (water heating efficiency)		%	-		
	Cold climate	ηwh (water heating efficiency)		%	-		
	Warm climate	ηwh (water heating efficiency)		%	-		
Heating capacity	Nom.			kW	11.1 (1) / 11.3 (2)	14.5 (1) / 14.5 (2)	16.5 (1) / 15.6 (2)
Power input	Heating	Nom.		kW	2.16 (1) / 2.91 (2)	2.91 (1) / 3.96 (2)	3.45 (1) / 4.21 (2)
COP					5.15 (1) / 3.88 (2)	4.99 (1) / 3.65 (2)	4.78 (1) / 3.71 (2)
Pump	Type				Grundfos UPMXL GEO 25-125 130 PWM		
	Nominal ESP unit	Heating		kPa	83.1 (1) / 83.4 (2)	57.5 (1) / 56.3 (2)	43.8 (1) / 45.2 (2)
Water side Heat exchanger	Water flow rate	Heating	Nom.	l/min	32.5 (1) / 32.4 (2)	41.2 (1) / 41.5 (2)	45.1 (1) / 44.7 (2)
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)	Indoor		dB(A)	44.0		
LW(A) Sound power level (according to EN14825)	Outdoor			dB(A)	64.0		66.0
Sound condition Ecodesign and energy label					Sound power in heating mode, measured according to the EN12102 under conditions of the EN14825		

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Notes

(1) Condition 1: cooling Ta 35°C - LWE 18°C (DT = 5°C); heating Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C)

(2) Condition 2: cooling Ta 35°C - LWE 7°C (DT = 5°C); heating Ta DB/WB 7°C/6°C - LWC 45°C (DT = 5°C)

CONNECTABLE INDOOR UNITS							
2-1 Capacity and Power input					**EABH16D9W/EPGA11DV**	**EABH16D9W/EPGA14DV**	**EABH16D9W/EPGA16DV**
Indoor unit					EABH16DA9W		
Outdoor unit					EPGA11DAV3	EPGA14DAV3	EPGA16DAV3
Space heating	Average climate water outlet 55°C	General	Annual energy consumption	kWh	7,845	8,669	9,706
			ηs (Seasonal space heating efficiency)	%	129	130	133
			Prated at -10°C	kW	13	14	16
			SCOP		3.29	3.34	3.41
			Seasonal space heating eff. class		A++		
		A Condition (-7°CDB/-8°CWB)	Cdh (Degradation heating)		1.0		
			COPd		2.25	2.17	2.23
			Pdh	kW	11.5	12.3	13.1
			PERd	%	90.0	86.8	89.2
		B Condition (2°CDB/1°CWB)	Cdh (Degradation heating)		1.0		
			COPd		3.14	3.18	3.26
			Pdh	kW	6.5	8.1	8.7
			PERd	%	125.6	127.2	130.4
		C Condition (7°CDB/6°CWB)	Cdh (Degradation heating)		0.96	1.0	
			COPd		4.27	4.46	4.62
			Pdh	kW	4.6	5.0	5.8
			PERd	%	170.8	178.4	184.8
		D Condition (12°CDB/ 11°CWB)	Cdh (Degradation heating)		0.95		
			COPd		5.75	5.94	6.47
			Pdh	kW	5.2		
			PERd	%	230.0	237.6	258.8
		Tol (temperature operating limit)	COPd		2.11	2.10	2.05
			Pdh	kW	12.5	13.5	13.2
			PERd	%	84.4	84.0	82.0
			TOL	°C	-10		
			WTOL	°C	55		
		Rated heat output supplementary capacity	Psup (at Tdesign -10°C)	kW	0.0	0.5	2.8
		Tbiv (bivalent temperature)	COPd		2.11	2.17	2.40
			Pdh	kW	12.5	12.3	12.9
			PERd	%	84.4	86.8	96.0
			Tbiv	°C	-10	-7	-5

2 Specifications

CONNECTABLE INDOOR UNITS							
2-1 Capacity and Power input					**EABH16D9W/EPGA11DV**	**EABH16D9W/EPGA14DV**	**EABH16D9W/EPGA16DV**
Space heating	Cold climate water outlet 55°C	General	Annual energy consumption	kWh	10,085	11,385	12,295
			ηs (Seasonal space heating efficiency)	%	124	123	121
			Prated at -22°C	kW	13	15	
		A Condition (-7°CDB/-8°CWB)	Cdh (Degradation heating)		1.0		
			COPd		2.68	2.61	2.58
			Pdh	kW	8.3	8.8	9.4
			PERd	%	107.2	104.4	103.2
		B Condition (2°CDB/1°CWB)	Cdh (Degradation heating)		1.0		
			COPd		3.75		3.66
			Pdh	kW	5.1	5.5	5.9
			PERd	%	150.0		146.4
		C Condition (7°CDB/6°CWB)	Cdh (Degradation heating)		0.96		
			COPd		4.63	4.70	4.75
			Pdh	kW	4.5		
			PERd	%	185.2	188.0	190.0
		D Condition (12°CDB/11°CWB)	COPd		6.01	6.13	6.21
			Pdh	kW	5.2		5.1
			PERd	%	240.4	245.2	248.4
		Tol (temperature operating limit)	COPd		1.34		
			Pdh	kW	7.5		
			PERd	%	53.6		
			TOL	°C	-21		
			WTOL	°C	54		
		G Condition (-15°CDB/-)	COPd		2.10	2.12	2.13
			Pdh	kW	11.1	11.9	12.6
			PERd	%	84.0	84.8	85.2
		Tbiv (bivalent temperature)	COPd		1.93	2.05	2.13
			Pdh	kW	11.4	12.4	12.6
			PERd	%	77.2	82.0	85.2
			Tbiv	°C	-18	-16	-15
		Rated heat output supplementary capacity	Psup (at Tdesign -22°C)	kW	5.5	7.0	7.9
	Warm climate water outlet 55°C	General	Annual energy consumption	kWh	3,696	4,104	4,362
			ηs (Seasonal space heating efficiency)	%	156	160	162
			Prated at 2°C	kW	11	13	14
		B Condition (2°CDB/1°CWB)	Cdh (Degradation heating)		1.0		
			COPd		2.45	2.43	2.41
			Pdh	kW	11.4	12.4	13.5
			PERd	%	98.0	97.2	96.4
		C Condition (7°CDB/6°CWB)	Cdh (Degradation heating)		1.0		
			COPd		3.58	3.62	3.66
			Pdh	kW	7.2	7.9	8.7
			PERd	%	143.2	144.8	146.4
		D Condition (12°CDB/11°CWB)	Cdh (Degradation heating)		0.96		
			COPd		5.16	5.29	5.38
			Pdh	kW	5.3	5.2	
			PERd	%	206.4	211.6	215.2
		Tbiv (bivalent temperature)	COPd		2.45	2.43	2.41
			Pdh	kW	11.4	12.4	13.5
			PERd	%	98.0	97.2	96.4
			Tbiv	°C	2		

2 Specifications

CONNECTABLE INDOOR UNITS							
2-1 Capacity and Power input					**EABH16D9W/EPGA11DV**	**EABH16D9W/EPGA14DV**	**EABH16D9W/EPGA16DV**
Space heating	Average climate water outlet 35°C	General	SCOP		4.38	4.45	4.56
			Annual energy consumption	kWh	5,189	5,797	6,345
			ηs (Seasonal space heating efficiency)	%	172	175	179
			Prated at -10°C	kW	11	13	14
			Seasonal space heating eff. class		A++	A+++	
		A Condition (-7°CDB/-8°CWB)	COPd		3.07	2.85	2.99
			Pdh	kW	9.7	11.1	12.2
			PERd	%	122.8	114.0	119.6
		B Condition (2°CDB/1°CWB)	Cdh (Degradation heating)		1.0		
			COPd		4.15	4.24	4.30
			Pdh	kW	6.3	7.0	7.4
			PERd	%	166.0	169.6	172.0
		C Condition (7°CDB/6°CWB)	Cdh (Degradation heating)		0.95	1.0	0.95
			COPd		5.86	6.24	6.35
			Pdh	kW	4.5		5.0
			PERd	%	234.4	249.6	254.0
		D Condition (12°CDB/ 11°CWB)	Cdh (Degradation heating)		0.94		
			COPd		7.88	8.12	
			Pdh	kW	5.3		
			PERd	%	315.2	324.8	
		Tol (temperature operating limit)	COPd		2.80	2.53	2.72
			Pdh	kW	11.0	12.5	14.5
			PERd	%	112.0	101.2	108.8
			TOL	°C	-10		
			WTOL	°C	35		
		Tbiv (bivalent temperature)	COPd		2.80	2.53	2.72
			Pdh	kW	11.0	12.5	14.5
			PERd	%	112.0	101.2	108.8
			Tbiv	°C	-10		
		Rated heat output supplementary capacity	Psup (at Tdesign -10°C)	kW	0.0		

2 Specifications

CONNECTABLE INDOOR UNITS							
2-1 Capacity and Power input					**EABH16D9W/EPGA11DV**	**EABH16D9W/EPGA14DV**	**EABH16D9W/EPGA16DV**
Space heating	Cold climate water outlet 35°C	General	Annual energy consumption	kWh	9,295	10,249	11,108
			ηs (Seasonal space heating efficiency)	%	151		157
			Prated at -22°C	kW	15	16	18
			Qhe Annual energy consumption (GCV)	Gj	33.5	36.9	40.0
		A Condition (-7°CDB/-8°CWB)	COPd		3.09	3.20	3.39
			Pdh	kW	9.0	9.7	10.8
			PERd	%	123.6	128.0	135.6
		B Condition (2°CDB/1°CWB)	Cdh (Degradation heating)		1.0		0.97
			COPd		4.45		4.68
			Pdh	kW	5.6		7.1
			PERd	%	178.0		187.2
		C Condition (7°CDB/6°CWB)	Cdh (Degradation heating)		0.94		
			COPd		6.24	6.46	6.75
			Pdh	kW	4.5		4.6
			PERd	%	249.6	258.4	270.0
		D Condition (12°CDB/11°CWB)	Cdh (Degradation heating)		0.94		
			COPd		7.84	7.98	8.19
			Pdh	kW	5.2	5.3	
			PERd	%	313.6	319.2	327.6
		Tol (temperature operating limit)	COPd		2.13	2.10	
			Pdh	kW	11.8	13.5	
			PERd	%	85.2	84.0	
			TOL	°C	-22		
			WTOL	°C	35		
		G Condition (-15°CDB/-)	COPd		2.67	2.43	2.40
			Pdh	kW	12.1	13.4	14.6
			PERd	%	106.8	97.2	96.0
		Tbiv (bivalent temperature)	COPd		2.49	2.36	2.40
			Pdh	kW	13.1	13.7	14.6
			PERd	%	99.6	94.4	96.0
			Tbiv	°C	-18	-16	-15
		Rated heat output supplementary capacity	Psup (at Tdesign -22°C)	kW	2.7	2.5	4.5

2 Specifications

CONNECTABLE INDOOR UNITS							
2-1 Capacity and Power input					**EABH16D9W/EPGA11DV**	**EABH16D9W/EPGA14DV**	**EABH16D9W/EPGA16DV**
Space heating	Warm climate water outlet 35°C	General	Annual energy consumption	kWh	2,496	2,779	3,136
			ηs (Seasonal space heating efficiency)	%	233	237	236
			Prated at 2°C	kW	11	13	14
		B Condition (2°CDB/1°CWB)	Cdh (Degradation heating)		1.0		
			COPd		3.40	3.25	3.22
			Pdh	kW	11.1	12.4	12.7
			PERd	%	136.0	130.0	128.8
		C Condition (7°CDB/6°CWB)	Cdh (Degradation heating)		1.0		
			COPd		5.67	5.70	5.73
			Pdh	kW	7.6	8.4	9.3
			PERd	%	226.8	228.0	229.2
		Tbiv (bivalent temperature)	COPd		3.40	3.25	3.44
			Pdh	kW	11.1	12.4	12.2
			PERd	%	136.0	130.0	137.6
			Tbiv	°C	2		4
		D Condition (12°CDB/ 11°CWB)	Cdh (Degradation heating)		0.94		
			COPd		7.60	7.78	8.03
			Pdh	kW	5.2	5.3	
			PERd	%	304.0	311.2	321.2
Space heating general	Air to water unit	Rated airflow (outdoor)		m³/h	6,900		8,100
	Other	Capacity control			Inverter		
		Pck (Crankcase heater mode)		kW	0.000		
		Poff (Off mode)		kW	0.021		
		Psb (Standby mode)		kW	0.021		
		Pto (Thermostat off)		kW	0.041		
	Integrated supplementary heater	Psup		kW	9.0		
		Type of energy input			Electrical		
Domestic hot water heating	Average climate	ηwh (water heating efficiency)		%	-		
	Cold climate	ηwh (water heating efficiency)		%	-		
	Warm climate	ηwh (water heating efficiency)		%	-		
Heating capacity	Nom.			kW	11.1 (1) / 11.3 (2)	14.5 (1) / 14.5 (2)	16.5 (1) / 15.6 (2)
Power input	Heating	Nom.		kW	2.16 (1) / 2.91 (2)	2.91 (1) / 3.96 (2)	3.45 (1) / 4.21 (2)
COP					5.15 (1) / 3.88 (2)	4.99 (1) / 3.65 (2)	4.78 (1) / 3.71 (2)
Pump	Type				Grundfos UPMXL GEO 25-125 130 PWM		
	Nominal ESP unit	Heating		kPa	83.1 (1) / 83.4 (2)	57.5 (1) / 56.3 (2)	43.8 (1) / 45.2 (2)
Water side Heat exchanger	Water flow rate	Heating	Nom.	l/min	32.5 (1) / 32.4 (2)	41.2 (1) / 41.5 (2)	45.1 (1) / 44.7 (2)
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)	Indoor		dB(A)	44.0		
LW(A) Sound power level (according to EN14825)	Outdoor			dB(A)	64.0		66.0
Sound condition Ecodesign and energy label					Sound power in heating mode, measured according to the EN12102 under conditions of the EN14825		

2 Specifications

Notes

(1) Condition 1: cooling Ta 35°C - LWE 18°C (DT = 5°C); heating Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C)

(2) Condition 2: cooling Ta 35°C - LWE 7°C (DT = 5°C); heating Ta DB/WB 7°C/6°C - LWC 45°C (DT = 5°C)

CONNECTABLE INDOOR UNITS							
2-1 Capacity and Power input					**EABX16D6V/EPGA11DV**	**EABX16D6V/EPGA14DV**	**EABX16D6V/EPGA16DV**
Indoor unit					EABX16DA6V		
Outdoor unit					EPGA11DAV3	EPGA14DAV3	EPGA16DAV3
Space heating	Average climate water outlet 55°C	General	Annual energy consumption	kWh	7,768	8,592	9,628
			ηs (Seasonal space heating efficiency)	%	130	132	134
			Prated at -10°C	kW	13	14	16
			SCOP		3.32	3.37	3.43
			Seasonal space heating eff. class		A++		
		A Condition (-7°CDB/-8°CWB)	Cdh (Degradation heating)		1.0		
			COPd		2.25	2.17	2.23
			Pdh	kW	11.5	12.3	13.1
			PERd	%	90.0	86.8	89.2
		B Condition (2°CDB/1°CWB)	Cdh (Degradation heating)		1.0		
			COPd		3.14	3.18	3.26
			Pdh	kW	6.5	8.1	8.7
			PERd	%	125.6	127.2	130.4
		C Condition (7°CDB/6°CWB)	Cdh (Degradation heating)		0.96	1.0	
			COPd		4.27	4.46	4.62
			Pdh	kW	4.6	5.0	5.8
			PERd	%	170.8	178.4	184.8
		D Condition (12°CDB/ 11°CWB)	Cdh (Degradation heating)		0.95		
			COPd		5.75	5.94	6.47
			Pdh	kW	5.2		
			PERd	%	230.0	237.6	258.8
		Tol (temperature operating limit)	COPd		2.11	2.10	2.05
			Pdh	kW	12.5	13.5	13.2
			PERd	%	84.4	84.0	82.0
			TOL	°C	-10		
			WTOL	°C	55		
		Rated heat output supplementary capacity	Psup (at Tdesign -10°C)	kW	0.0	0.5	2.8
		Tbiv (bivalent temperature)	COPd		2.11	2.17	2.40
			Pdh	kW	12.5	12.3	12.9
			PERd	%	84.4	86.8	96.0
			Tbiv	°C	-10	-7	-5

2 Specifications

CONNECTABLE INDOOR UNITS							
2-1 Capacity and Power input					**EABX16D6V/EPGA11DV**	**EABX16D6V/EPGA14DV**	**EABX16D6V/EPGA16DV**
Space heating	Cold climate water outlet 55°C	General	Annual energy consumption	kWh	10,038	11,339	12,249
			ηs (Seasonal space heating efficiency)	%	125	123	121
			Prated at -22°C	kW	13	15	
		A Condition (-7°CDB/-8°CWB)	Cdh (Degradation heating)		1.0		
			COPd		2.68	2.61	2.58
			Pdh	kW	8.3	8.8	9.4
			PERd	%	107.2	104.4	103.2
		B Condition (2°CDB/1°CWB)	Cdh (Degradation heating)		1.0		
			COPd		3.75		3.66
			Pdh	kW	5.1	5.5	5.9
			PERd	%	150.0		146.4
		C Condition (7°CDB/6°CWB)	Cdh (Degradation heating)		0.96		
			COPd		4.63	4.70	4.75
			Pdh	kW	4.5		
			PERd	%	185.2	188.0	190.0
		D Condition (12°CDB/11°CWB)	COPd		6.01	6.13	6.21
			Pdh	kW	5.2		5.1
			PERd	%	240.4	245.2	248.4
		Tol (temperature operating limit)	COPd		1.34		
			Pdh	kW	7.5		
			PERd	%	53.6		
			TOL	°C	-21		
			WTOL	°C	54		
		G Condition (-15°CDB/-)	COPd		2.10	2.12	2.13
			Pdh	kW	11.1	11.9	12.6
			PERd	%	84.0	84.8	85.2
		Tbiv (bivalent temperature)	COPd		1.93	2.05	2.13
			Pdh	kW	11.4	12.4	12.6
			PERd	%	77.2	82.0	85.2
			Tbiv	°C	-18	-16	-15
		Rated heat output supplementary capacity	Psup (at Tdesign -22°C)	kW	5.5	7.0	7.9
	Warm climate water outlet 55°C	General	Annual energy consumption	kWh	3,603	4,012	4,270
			ηs (Seasonal space heating efficiency)	%	160	164	166
			Prated at 2°C	kW	11	13	14
		B Condition (2°CDB/1°CWB)	Cdh (Degradation heating)		1.0		
			COPd		2.45	2.43	2.41
			Pdh	kW	11.4	12.4	13.5
			PERd	%	98.0	97.2	96.4
		C Condition (7°CDB/6°CWB)	Cdh (Degradation heating)		1.0		
			COPd		3.58	3.62	3.66
			Pdh	kW	7.2	7.9	8.7
			PERd	%	143.2	144.8	146.4
		D Condition (12°CDB/11°CWB)	Cdh (Degradation heating)		0.96		
			COPd		5.16	5.29	5.38
			Pdh	kW	5.3	5.2	
			PERd	%	206.4	211.6	215.2
		Tbiv (bivalent temperature)	COPd		2.45	2.43	2.41
			Pdh	kW	11.4	12.4	13.5
			PERd	%	98.0	97.2	96.4
			Tbiv	°C	2		

2 Specifications

CONNECTABLE INDOOR UNITS								
2-1 Capacity and Power input						**EABX16D6V/EPGA11DV**	**EABX16D6V/EPGA14DV**	**EABX16D6V/EPGA16DV**
Space heating	Average climate water outlet 35°C	General	SCOP			4.44	4.51	4.61
			Annual energy consumption	kWh		5,112	5,720	6,267
			ηs (Seasonal space heating efficiency)	%		175	178	182
			Prated at -10°C	kW		11	13	14
			Seasonal space heating eff. class			A+++		
		A Condition (-7°CDB/-8°CWB)	COPd			3.07	2.85	2.99
			Pdh	kW		9.7	11.1	12.2
			PERd	%		122.8	114.0	119.6
		B Condition (2°CDB/1°CWB)	Cdh (Degradation heating)			1.0		
			COPd			4.15	4.24	4.30
			Pdh	kW		6.3	7.0	7.4
			PERd	%		166.0	169.6	172.0
		C Condition (7°CDB/6°CWB)	Cdh (Degradation heating)			0.95	1.0	0.95
			COPd			5.86	6.24	6.35
			Pdh	kW		4.5		5.0
			PERd	%		234.4	249.6	254.0
		D Condition (12°CDB/11°CWB)	Cdh (Degradation heating)			0.94		
			COPd			7.88	8.12	
			Pdh	kW		5.3		
			PERd	%		315.2	324.8	
		Tol (temperature operating limit)	COPd			2.80	2.53	2.72
			Pdh	kW		11.0	12.5	14.5
			PERd	%		112.0	101.2	108.8
			TOL	°C		-10		
			WTOL	°C		35		
		Tbiv (bivalent temperature)	COPd			2.80	2.53	2.72
			Pdh	kW		11.0	12.5	14.5
			PERd	%		112.0	101.2	108.8
			Tbiv	°C		-10		
		Rated heat output supplementary capacity	Psup (at Tdesign -10°C)	kW		0.0		

2 Specifications

CONNECTABLE INDOOR UNITS							
2-1 Capacity and Power input					**EABX16D6V/EPGA11DV**	**EABX16D6V/EPGA14DV**	**EABX16D6V/EPGA16DV**
Space heating	Cold climate water outlet 35°C	General	Annual energy consumption	kWh	9,249	10,202	11,061
			ηs (Seasonal space heating efficiency)	%	152		157
			Prated at -22°C	kW	15	16	18
			Qhe Annual energy consumption (GCV)	Gj	33.3	36.7	39.8
		A Condition (-7°CDB/-8°CWB)	COPd		3.09	3.20	3.39
			Pdh	kW	9.0	9.7	10.8
			PERd	%	123.6	128.0	135.6
		B Condition (2°CDB/1°CWB)	Cdh (Degradation heating)		1.0		0.97
			COPd		4.45		4.68
			Pdh	kW	5.6		7.1
			PERd	%	178.0		187.2
		C Condition (7°CDB/6°CWB)	Cdh (Degradation heating)		0.94		
			COPd		6.24	6.46	6.75
			Pdh	kW	4.5		4.6
			PERd	%	249.6	258.4	270.0
		D Condition (12°CDB/11°CWB)	Cdh (Degradation heating)		0.94		
			COPd		7.84	7.98	8.19
			Pdh	kW	5.2	5.3	
			PERd	%	313.6	319.2	327.6
		Tol (temperature operating limit)	COPd		2.13	2.10	
			Pdh	kW	11.8	13.5	
			PERd	%	85.2	84.0	
			TOL	°C	-22		
			WTOL	°C	35		
		G Condition (-15°CDB/-)	COPd		2.67	2.43	2.40
			Pdh	kW	12.1	13.4	14.6
			PERd	%	106.8	97.2	96.0
		Tbiv (bivalent temperature)	COPd		2.49	2.36	2.40
			Pdh	kW	13.1	13.7	14.6
			PERd	%	99.6	94.4	96.0
			Tbiv	°C	-18	-16	-15
		Rated heat output supplementary capacity	Psup (at Tdesign -22°C)	kW	2.7	2.5	4.5

2 Specifications

CONNECTABLE INDOOR UNITS							
2-1 Capacity and Power input					**EABX16D6V/EPGA11DV**	**EABX16D6V/EPGA14DV**	**EABX16D6V/EPGA16DV**
Space heating	Warm climate water outlet 35°C	General	Annual energy consumption	kWh	2,403	2,687	3,044
			ηs (Seasonal space heating efficiency)	%	242	246	243
			Prated at 2°C	kW	11	13	14
		B Condition (2°CDB/1°CWB)	Cdh (Degradation heating)		1.0		
			COPd		3.40	3.25	3.22
			Pdh	kW	11.1	12.4	12.7
			PERd	%	136.0	130.0	128.8
		C Condition (7°CDB/6°CWB)	Cdh (Degradation heating)		1.0		
			COPd		5.67	5.70	5.73
			Pdh	kW	7.6	8.4	9.3
			PERd	%	226.8	228.0	229.2
		Tbiv (bivalent temperature)	COPd		3.40	3.25	3.44
			Pdh	kW	11.1	12.4	12.2
			PERd	%	136.0	130.0	137.6
			Tbiv	°C	2		4
		D Condition (12°CDB/ 11°CWB)	Cdh (Degradation heating)		0.94		
			COPd		7.60	7.78	8.03
			Pdh	kW	5.2	5.3	
			PERd	%	304.0	311.2	321.2
Space heating general	Air to water unit	Rated airflow (outdoor)		m³/h	6,900		8,100
	Other	Capacity control			Inverter		
		Pck (Crankcase heater mode)		kW	0.000		
		Poff (Off mode)		kW	0.021		
		Psb (Standby mode)		kW	0.021		
		Pto (Thermostat off)		kW	0.041		
	Integrated supplementary heater	Psup		kW	6.0		
		Type of energy input			Electrical		
Domestic hot water heating	Average climate	ηwh (water heating efficiency)		%	-		
	Cold climate	ηwh (water heating efficiency)		%	-		
	Warm climate	ηwh (water heating efficiency)		%	-		
Heating capacity	Nom.			kW	11.1 (1) / 11.3 (2)	14.5 (1) / 14.5 (2)	16.5 (1) / 15.6 (2)
Cooling capacity	Nom.			kW	10.5 (1) / 10.7 (2)	11.1 (1) / 11.9 (2)	13.5 (1) / 11.9 (2)
Power input	Heating	Nom.		kW	2.16 (1) / 2.91 (2)	2.91 (1) / 3.96 (2)	3.45 (1) / 4.21 (2)
	Cooling	Nom.		kW	2.21 (1) / 3.30 (2)	2.72 (1) / 3.97 (2)	3.42 (1) / 3.97 (2)
COP					5.15 (1) / 3.88 (2)	4.99 (1) / 3.65 (2)	4.78 (1) / 3.71 (2)
EER					4.75 (1) / 3.23 (2)	4.09 (1) / 2.99 (2)	3.94 (1) / 2.99 (2)
Pump	Type				Grundfos UPMXL GEO 25-125 130 PWM		
	Nominal ESP unit	Cooling		kPa	86.2 (1) / 86.1 (2)	80.2 (1) / 73.9 (2)	65.5 (1) / 73.9 (2)
		Heating		kPa	83.1 (1) / 83.4 (2)	57.5 (1) / 56.3 (2)	43.8 (1) / 45.2 (2)
Water side Heat exchanger	Water flow rate	Cooling	Nom.	l/min	31.3 (1) / 31.3 (2)	33.6 (1) / 35.9 (2)	38.7 (1) / 35.9 (2)
		Heating	Nom.	l/min	32.5 (1) / 32.4 (2)	41.2 (1) / 41.5 (2)	45.1 (1) / 44.7 (2)

2 Specifications

CONNECTABLE INDOOR UNITS						
2-1 Capacity and Power input				**EABX16D6V/EPGA11DV**	**EABX16D6V/EPGA14DV**	**EABX16D6V/EPGA16DV**
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)	Indoor	dB(A)	44.0		
LW(A) Sound power level (according to EN14825)	Outdoor		dB(A)	64.0		66.0
Sound condition Ecodesign and energy label				Sound power in heating mode, measured according to the EN12102 under conditions of the EN14825		

Notes

(1) Condition 1: cooling Ta 35°C - LWE 18°C (DT = 5°C); heating Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C)

(2) Condition 2: cooling Ta 35°C - LWE 7°C (DT = 5°C); heating Ta DB/WB 7°C/6°C - LWC 45°C (DT = 5°C)

2 Specifications

CONNECTABLE INDOOR UNITS							
2-1 Capacity and Power input					**EABX16D9W/EPGA11DV**	**EABX16D9W/EPGA14DV**	**EABX16D9W/EPGA16DV**
Indoor unit					EABX16DA9W		
Outdoor unit					EPGA11DAV3	EPGA14DAV3	EPGA16DAV3
Space heating	Average climate water outlet 55°C	General	Annual energy consumption	kWh	7,768	8,592	9,628
			ηs (Seasonal space heating efficiency)	%	130	132	134
			Prated at -10°C	kW	13	14	16
			SCOP		3.32	3.37	3.43
			Seasonal space heating eff. class		A++		
		A Condition (-7°CDB/-8°CWB)	Cdh (Degradation heating)		1.0		
			COPd		2.25	2.17	2.23
			Pdh	kW	11.5	12.3	13.1
			PERd	%	90.0	86.8	89.2
		B Condition (2°CDB/1°CWB)	Cdh (Degradation heating)		1.0		
			COPd		3.14	3.18	3.26
			Pdh	kW	6.5	8.1	8.7
			PERd	%	125.6	127.2	130.4
		C Condition (7°CDB/6°CWB)	Cdh (Degradation heating)		0.96	1.0	
			COPd		4.27	4.46	4.62
			Pdh	kW	4.6	5.0	5.8
			PERd	%	170.8	178.4	184.8
		D Condition (12°CDB/11°CWB)	Cdh (Degradation heating)		0.95		
			COPd		5.75	5.94	6.47
			Pdh	kW	5.2		
			PERd	%	230.0	237.6	258.8
		Tol (temperature operating limit)	COPd		2.11	2.10	2.05
			Pdh	kW	12.5	13.5	13.2
			PERd	%	84.4	84.0	82.0
			TOL	°C	-10		
			WTOL	°C	55		
		Rated heat output supplementary capacity	Psup (at Tdesign -10°C)	kW	0.0	0.5	2.8
		Tbiv (bivalent temperature)	COPd		2.11	2.17	2.40
			Pdh	kW	12.5	12.3	12.9
			PERd	%	84.4	86.8	96.0
			Tbiv	°C	-10	-7	-5

2 Specifications

CONNECTABLE INDOOR UNITS							
2-1 Capacity and Power input					**EABX16D9W/EPGA11DV**	**EABX16D9W/EPGA14DV**	**EABX16D9W/EPGA16DV**
Space heating	Cold climate water outlet 55°C	General	Annual energy consumption	kWh	10,038	11,339	12,249
			ηs (Seasonal space heating efficiency)	%	125	123	121
			Prated at -22°C	kW	13	15	
		A Condition (-7°CDB/-8°CWB)	Cdh (Degradation heating)		1.0		
			COPd		2.68	2.61	2.58
			Pdh	kW	8.3	8.8	9.4
			PERd	%	107.2	104.4	103.2
		B Condition (2°CDB/1°CWB)	Cdh (Degradation heating)		1.0		
			COPd		3.75		3.66
			Pdh	kW	5.1	5.5	5.9
			PERd	%	150.0		146.4
		C Condition (7°CDB/6°CWB)	Cdh (Degradation heating)		0.96		
			COPd		4.63	4.70	4.75
			Pdh	kW	4.5		
			PERd	%	185.2	188.0	190.0
		D Condition (12°CDB/11°CWB)	COPd		6.01	6.13	6.21
			Pdh	kW	5.2		5.1
			PERd	%	240.4	245.2	248.4
		Tol (temperature operating limit)	COPd		1.34		
			Pdh	kW	7.5		
			PERd	%	53.6		
			TOL	°C	-21		
			WTOL	°C	54		
		G Condition (-15°CDB/-)	COPd		2.10	2.12	2.13
			Pdh	kW	11.1	11.9	12.6
			PERd	%	84.0	84.8	85.2
		Tbiv (bivalent temperature)	COPd		1.93	2.05	2.13
			Pdh	kW	11.4	12.4	12.6
			PERd	%	77.2	82.0	85.2
			Tbiv	°C	-18	-16	-15
		Rated heat output supplementary capacity	Psup (at Tdesign -22°C)	kW	5.5	7.0	7.9
	Warm climate water outlet 55°C	General	Annual energy consumption	kWh	3,603	4,012	4,270
			ηs (Seasonal space heating efficiency)	%	160	164	166
			Prated at 2°C	kW	11	13	14
		B Condition (2°CDB/1°CWB)	Cdh (Degradation heating)		1.0		
			COPd		2.45	2.43	2.41
			Pdh	kW	11.4	12.4	13.5
			PERd	%	98.0	97.2	96.4
		C Condition (7°CDB/6°CWB)	Cdh (Degradation heating)		1.0		
			COPd		3.58	3.62	3.66
			Pdh	kW	7.2	7.9	8.7
			PERd	%	143.2	144.8	146.4
		D Condition (12°CDB/11°CWB)	Cdh (Degradation heating)		0.96		
			COPd		5.16	5.29	5.38
			Pdh	kW	5.3	5.2	
			PERd	%	206.4	211.6	215.2
		Tbiv (bivalent temperature)	COPd		2.45	2.43	2.41
			Pdh	kW	11.4	12.4	13.5
			PERd	%	98.0	97.2	96.4
			Tbiv	°C	2		

2 Specifications

CONNECTABLE INDOOR UNITS								
2-1 Capacity and Power input						**EABX16D9W/EPGA11DV**	**EABX16D9W/EPGA14DV**	**EABX16D9W/EPGA16DV**
Space heating	Average climate water outlet 35°C	General	SCOP			4.44	4.51	4.61
			Annual energy consumption	kWh		5,112	5,720	6,267
			ηs (Seasonal space heating efficiency)	%		175	178	182
			Prated at -10°C	kW		11	13	14
			Seasonal space heating eff. class			A+++		
		A Condition (-7°CDB/-8°CWB)	COPd			3.07	2.85	2.99
			Pdh	kW		9.7	11.1	12.2
			PERd	%		122.8	114.0	119.6
		B Condition (2°CDB/1°CWB)	Cdh (Degradation heating)			1.0		
			COPd			4.15	4.24	4.30
			Pdh	kW		6.3	7.0	7.4
			PERd	%		166.0	169.6	172.0
		C Condition (7°CDB/6°CWB)	Cdh (Degradation heating)			0.95	1.0	0.95
			COPd			5.86	6.24	6.35
			Pdh	kW		4.5		5.0
			PERd	%		234.4	249.6	254.0
		D Condition (12°CDB/11°CWB)	Cdh (Degradation heating)			0.94		
			COPd			7.88	8.12	
			Pdh	kW		5.3		
			PERd	%		315.2	324.8	
		Tol (temperature operating limit)	COPd			2.80	2.53	2.72
			Pdh	kW		11.0	12.5	14.5
			PERd	%		112.0	101.2	108.8
			TOL	°C		-10		
			WTOL	°C		35		
		Tbiv (bivalent temperature)	COPd			2.80	2.53	2.72
			Pdh	kW		11.0	12.5	14.5
			PERd	%		112.0	101.2	108.8
			Tbiv	°C		-10		
		Rated heat output supplementary capacity	Psup (at Tdesign -10°C)	kW		0.0		

2 Specifications

CONNECTABLE INDOOR UNITS							
2-1 Capacity and Power input					**EABX16D9W/EPGA11DV**	**EABX16D9W/EPGA14DV**	**EABX16D9W/EPGA16DV**
Space heating	Cold climate water outlet 35°C	General	Annual energy consumption	kWh	9,249	10,202	11,061
			ηs (Seasonal space heating efficiency)	%	152		157
			Prated at -22°C	kW	15	16	18
			Qhe Annual energy consumption (GCV)	Gj	33.3	36.7	39.8
		A Condition (-7°CDB/-8°CWB)	COPd		3.09	3.20	3.39
			Pdh	kW	9.0	9.7	10.8
			PERd	%	123.6	128.0	135.6
		B Condition (2°CDB/1°CWB)	Cdh (Degradation heating)		1.0		0.97
			COPd		4.45		4.68
			Pdh	kW	5.6		7.1
			PERd	%	178.0		187.2
		C Condition (7°CDB/6°CWB)	Cdh (Degradation heating)		0.94		
			COPd		6.24	6.46	6.75
			Pdh	kW	4.5		4.6
			PERd	%	249.6	258.4	270.0
		D Condition (12°CDB/ 11°CWB)	Cdh (Degradation heating)		0.94		
			COPd		7.84	7.98	8.19
			Pdh	kW	5.2	5.3	
			PERd	%	313.6	319.2	327.6
		Tol (temperature operating limit)	COPd		2.13	2.10	
			Pdh	kW	11.8	13.5	
			PERd	%	85.2	84.0	
			TOL	°C	-22		
			WTOL	°C	35		
		G Condition (-15°CDB/-)	COPd		2.67	2.43	2.40
			Pdh	kW	12.1	13.4	14.6
			PERd	%	106.8	97.2	96.0
		Tbiv (bivalent temperature)	COPd		2.49	2.36	2.40
			Pdh	kW	13.1	13.7	14.6
			PERd	%	99.6	94.4	96.0
			Tbiv	°C	-18	-16	-15
		Rated heat output supplementary capacity	Psup (at Tdesign -22°C)	kW	2.7	2.5	4.5

2 Specifications

CONNECTABLE INDOOR UNITS							
2-1 Capacity and Power input					**EABX16D9W/EPGA11DV**	**EABX16D9W/EPGA14DV**	**EABX16D9W/EPGA16DV**
Space heating	Warm climate water outlet 35°C	General	Annual energy consumption	kWh	2,403	2,687	3,044
			ηs (Seasonal space heating efficiency)	%	242	246	243
			Prated at 2°C	kW	11	13	14
		B Condition (2°CDB/1°CWB)	Cdh (Degradation heating)		1.0		
			COPd		3.40	3.25	3.22
			Pdh	kW	11.1	12.4	12.7
			PERd	%	136.0	130.0	128.8
		C Condition (7°CDB/6°CWB)	Cdh (Degradation heating)		1.0		
			COPd		5.67	5.70	5.73
			Pdh	kW	7.6	8.4	9.3
			PERd	%	226.8	228.0	229.2
		Tbiv (bivalent temperature)	COPd		3.40	3.25	3.44
			Pdh	kW	11.1	12.4	12.2
			PERd	%	136.0	130.0	137.6
			Tbiv	°C	2		4
		D Condition (12°CDB/ 11°CWB)	Cdh (Degradation heating)		0.94		
			COPd		7.60	7.78	8.03
			Pdh	kW	5.2	5.3	
			PERd	%	304.0	311.2	321.2
Space heating general	Air to water unit	Rated airflow (outdoor)		m³/h	6,900		8,100
	Other	Capacity control			Inverter		
		Pck (Crankcase heater mode)		kW	0.000		
		Poff (Off mode)		kW	0.021		
		Psb (Standby mode)		kW	0.021		
		Pto (Thermostat off)		kW	0.041		
	Integrated supplementary heater	Psup		kW	9.0		
		Type of energy input			Electrical		
Domestic hot water heating	Average climate	ηwh (water heating efficiency)		%	-		
	Cold climate	ηwh (water heating efficiency)		%	-		
	Warm climate	ηwh (water heating efficiency)		%	-		
Heating capacity	Nom.			kW	11.1 (1) / 11.3 (2)	14.5 (1) / 14.5 (2)	16.5 (1) / 15.6 (2)
Cooling capacity	Nom.			kW	10.5 (1) / 10.7 (2)	11.1 (1) / 11.9 (2)	13.5 (1) / 11.9 (2)
Power input	Heating	Nom.		kW	2.16 (1) / 2.91 (2)	2.91 (1) / 3.96 (2)	3.45 (1) / 4.21 (2)
	Cooling	Nom.		kW	2.21 (1) / 3.30 (2)	2.72 (1) / 3.97 (2)	3.42 (1) / 3.97 (2)
COP					5.15 (1) / 3.88 (2)	4.99 (1) / 3.65 (2)	4.78 (1) / 3.71 (2)
EER					4.75 (1) / 3.23 (2)	4.09 (1) / 2.99 (2)	3.94 (1) / 2.99 (2)
Pump	Type				Grundfos UPMXL GEO 25-125 130 PWM		
	Nominal ESP unit	Cooling		kPa	86.2 (1) / 86.1 (2)	80.2 (1) / 73.9 (2)	65.5 (1) / 73.9 (2)
		Heating		kPa	83.1 (1) / 83.4 (2)	57.5 (1) / 56.3 (2)	43.8 (1) / 45.2 (2)
Water side Heat exchanger	Water flow rate	Cooling	Nom.	l/min	31.3 (1) / 31.3 (2)	33.6 (1) / 35.9 (2)	38.7 (1) / 35.9 (2)
		Heating	Nom.	l/min	32.5 (1) / 32.4 (2)	41.2 (1) / 41.5 (2)	45.1 (1) / 44.7 (2)

2 Specifications

CONNECTABLE INDOOR UNITS						
2-1 Capacity and Power input				**EABX16D9W/EPGA11DV**	**EABX16D9W/EPGA14DV**	**EABX16D9W/EPGA16DV**
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)	Indoor	dB(A)	44.0		
LW(A) Sound power level (according to EN14825)	Outdoor		dB(A)	64.0		66.0
Sound condition Ecodesign and energy label				Sound power in heating mode, measured according to the EN12102 under conditions of the EN14825		

Notes

(1) Condition 1: cooling Ta 35°C - LWE 18°C (DT = 5°C); heating Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C)

(2) Condition 2: cooling Ta 35°C - LWE 7°C (DT = 5°C); heating Ta DB/WB 7°C/6°C - LWC 45°C (DT = 5°C)

2 Specifications

CONNECTABLE INDOOR UNITS											
2-1 Capacity and Power input					**EAVH16S18D6V/ EPGA11DV**	**EAVH16S23D6V/ EPGA11DV**	**EAVH16S18D6V/ EPGA14DV**	**EAVH16S23D6V/ EPGA14DV**	**EAVH16S18D6V/ EPGA16DV**	**EAVH16S23D6V/ EPGA16DV**
Indoor unit					EAVH16S18DA6V	EAVH16S23DA6V	EAVH16S18DA6V	EAVH16S23DA6V	EAVH16S18DA6V	EAVH16S23DA6V
Outdoor unit					EPGA11DAV3		EPGA14DAV3		EPGA16DAV3	
Space heating	Average climate water outlet 55°C	General	Annual energy consumption	kWh	7,845		8,669		9,706	
			ηs (Seasonal space heating efficiency)	%	129		130		133	
			Prated at -10°C	kW	13		14		16	
			SCOP		3.29		3.34		3.41	
			Seasonal space heating eff. class		A++					
		A Condition (-7°CDB/-8°CWB)	Cdh (Degradation heating)		1.0					
			COPd		2.25		2.17		2.23	
			Pdh	kW	11.5		12.3		13.1	
			PERd	%	90.0		86.8		89.2	
		B Condition (2°CDB/1°CWB)	Cdh (Degradation heating)		1.0					
			COPd		3.14		3.18		3.26	
			Pdh	kW	6.5		8.1		8.7	
			PERd	%	125.6		127.2		130.4	
		C Condition (7°CDB/6°CWB)	Cdh (Degradation heating)		0.96		1.0			
			COPd		4.27		4.46		4.62	
			Pdh	kW	4.6		5.0		5.8	
			PERd	%	170.8		178.4		184.8	
		D Condition (12°CDB/ 11°CWB)	Cdh (Degradation heating)		0.95					
			COPd		5.75		5.94		6.47	
			Pdh	kW	5.2					
			PERd	%	230.0		237.6		258.8	
		Tol (temperature operating limit)	COPd		2.11		2.10		2.05	
			Pdh	kW	12.5		13.5		13.2	
			PERd	%	84.4		84.0		82.0	
			TOL	°C	-10					
			WTOL	°C	55					
		Rated heat output supplementary capacity	Psup (at Tdesign -10°C)	kW	0.0		0.5		2.8	
		Tbiv (bivalent temperature)	COPd		2.11		2.17		2.40	
			Pdh	kW	12.5		12.3		12.9	
			PERd	%	84.4		86.8		96.0	
			Tbiv	°C	-10		-7		-5	

2 Specifications

CONNECTABLE INDOOR UNITS											
2-1 Capacity and Power input					EAVH16S18D6V/ EPGA11DV	EAVH16S23D6V/ EPGA11DV	EAVH16S18D6V/ EPGA14DV	EAVH16S23D6V/ EPGA14DV	EAVH16S18D6V/ EPGA16DV	EAVH16S23D6V/ EPGA16DV
Space heating	Cold climate water outlet 55°C	General	Annual energy consumption	kWh	10,085		11,385		12,295	
			ηs (Seasonal space heating efficiency)	%	124		123		121	
			Prated at -22°C	kW	13		15			
		A Condition (-7°CDB/-8°CWB)	Cdh (Degradation heating)		1.0					
			COPd		2.68		2.61		2.58	
			Pdh	kW	8.3		8.8		9.4	
			PERd	%	107.2		104.4		103.2	
		B Condition (2°CDB/1°CWB)	Cdh (Degradation heating)		1.0					
			COPd		3.75				3.66	
			Pdh	kW	5.1		5.5		5.9	
			PERd	%	150.0				146.4	
		C Condition (7°CDB/6°CWB)	Cdh (Degradation heating)		0.96					
			COPd		4.63		4.70		4.75	
			Pdh	kW	4.5					
			PERd	%	185.2		188.0		190.0	
		D Condition (12°CDB/ 11°CWB)	COPd		6.01		6.13		6.21	
			Pdh	kW	5.2				5.1	
			PERd	%	240.4		245.2		248.4	
		Tol (temperature operating limit)	COPd		1.34					
			Pdh	kW	7.5					
			PERd	%	53.6					
			TOL	°C	-21					
			WTOL	°C	54					
		G Condition (-15°CDB/-)	COPd		2.10		2.12		2.13	
			Pdh	kW	11.1		11.9		12.6	
			PERd	%	84.0		84.8		85.2	
		Tbiv (bivalent temperature)	COPd		1.93		2.05		2.13	
			Pdh	kW	11.4		12.4		12.6	
			PERd	%	77.2		82.0		85.2	
			Tbiv	°C	-18		-16		-15	
		Rated heat output supplementary capacity	Psup (at Tdesign -22°C)	kW	5.5		7.0		7.9	

2 Specifications

CONNECTABLE INDOOR UNITS											
2-1 Capacity and Power input					EAVH16S18D6V/ EPGA11DV	EAVH16S23D6V/ EPGA11DV	EAVH16S18D6V/ EPGA14DV	EAVH16S23D6V/ EPGA14DV	EAVH16S18D6V/ EPGA16DV	EAVH16S23D6V/ EPGA16DV
Space heating	Warm climate water outlet 55°C	General	Annual energy consumption	kWh	3,696		4,104		4,362	
			ηs (Seasonal space heating efficiency)	%	156		160		162	
			Prated at 2°C	kW	11		13		14	
		B Condition (2°CDB/1°CWB)	Cdh (Degradation heating)		1.0					
			COPd		2.45		2.43		2.41	
			Pdh	kW	11.4		12.4		13.5	
			PERd	%	98.0		97.2		96.4	
		C Condition (7°CDB/6°CWB)	Cdh (Degradation heating)		1.0					
			COPd		3.58		3.62		3.66	
			Pdh	kW	7.2		7.9		8.7	
			PERd	%	143.2		144.8		146.4	
		D Condition (12°CDB/ 11°CWB)	Cdh (Degradation heating)		0.96					
			COPd		5.16		5.29		5.38	
			Pdh	kW	5.3		5.2			
			PERd	%	206.4		211.6		215.2	
		Tbiv (bivalent temperature)	COPd		2.45		2.43		2.41	
			Pdh	kW	11.4		12.4		13.5	
			PERd	%	98.0		97.2		96.4	
			Tbiv	°C	2					
	Average climate water outlet 35°C	General	SCOP		4.38		4.45		4.56	
			Annual energy consumption	kWh	5,189		5,797		6,345	
			ηs (Seasonal space heating efficiency)	%	172		175		179	
			Prated at -10°C	kW	11		13		14	
			Seasonal space heating eff. class		A++		A+++			
		A Condition (-7°CDB/-8°CWB)	COPd		3.07		2.85		2.99	
			Pdh	kW	9.7		11.1		12.2	
			PERd	%	122.8		114.0		119.6	
		B Condition (2°CDB/1°CWB)	Cdh (Degradation heating)		1.0					
			COPd		4.15		4.24		4.30	
			Pdh	kW	6.3		7.0		7.4	
			PERd	%	166.0		169.6		172.0	
		C Condition (7°CDB/6°CWB)	Cdh (Degradation heating)		0.95		1.0		0.95	
			COPd		5.86		6.24		6.35	
			Pdh	kW	4.5				5.0	
			PERd	%	234.4		249.6		254.0	
		D Condition (12°CDB/ 11°CWB)	Cdh (Degradation heating)		0.94					
			COPd		7.88		8.12			
			Pdh	kW	5.3					
			PERd	%	315.2		324.8			
		Tol (temperature operating limit)	COPd		2.80		2.53		2.72	
			Pdh	kW	11.0		12.5		14.5	
			PERd	%	112.0		101.2		108.8	
			TOL	°C	-10					
			WTOL	°C	35					
		Tbiv (bivalent temperature)	COPd		2.80		2.53		2.72	
			Pdh	kW	11.0		12.5		14.5	
			PERd	%	112.0		101.2		108.8	
			Tbiv	°C	-10					
		Rated heat output supplementary capacity	Psup (at Tdesign -10°C)	kW	0.0					

2 Specifications

CONNECTABLE INDOOR UNITS											
2-1 Capacity and Power input					EAVH16S18D6V/ EPGA11DV	EAVH16S23D6V/ EPGA11DV	EAVH16S18D6V/ EPGA14DV	EAVH16S23D6V/ EPGA14DV	EAVH16S18D6V/ EPGA16DV	EAVH16S23D6V/ EPGA16DV
Space heating	Cold climate water outlet 35°C	General	Annual energy consumption	kWh	9,295		10,249		11,108	
			ηs (Seasonal space heating efficiency)	%	151				157	
			Prated at -22°C	kW	15		16		18	
			Qhe Annual energy consumption (GCV)	Gj	33.5		36.9		40.0	
		A Condition (-7°CDB/-8°CWB)	COPd		3.09		3.20		3.39	
			Pdh	kW	9.0		9.7		10.8	
			PERd	%	123.6		128.0		135.6	
		B Condition (2°CDB/1°CWB)	Cdh (Degradation heating)		1.0				0.97	
			COPd		4.45				4.68	
			Pdh	kW	5.6				7.1	
			PERd	%	178.0				187.2	
		C Condition (7°CDB/6°CWB)	Cdh (Degradation heating)		0.94					
			COPd		6.24		6.46		6.75	
			Pdh	kW	4.5				4.6	
			PERd	%	249.6		258.4		270.0	
		D Condition (12°CDB/ 11°CWB)	Cdh (Degradation heating)		0.94					
			COPd		7.84		7.98		8.19	
			Pdh	kW	5.2		5.3			
			PERd	%	313.6		319.2		327.6	
		Tol (temperature operating limit)	COPd		2.13		2.10			
			Pdh	kW	11.8		13.5			
			PERd	%	85.2		84.0			
			TOL	°C	-22					
			WTOL	°C	35					
		G Condition (-15°CDB/-)	COPd		2.67		2.43		2.40	
			Pdh	kW	12.1		13.4		14.6	
			PERd	%	106.8		97.2		96.0	
		Tbiv (bivalent temperature)	COPd		2.49		2.36		2.40	
			Pdh	kW	13.1		13.7		14.6	
			PERd	%	99.6		94.4		96.0	
			Tbiv	°C	-18		-16		-15	
		Rated heat output supplementary capacity	Psup (at Tdesign -22°C)	kW	2.7		2.5		4.5	

2 Specifications

CONNECTABLE INDOOR UNITS												
2-1 Capacity and Power input						EAVH16S18D6V/ EPGA11DV	EAVH16S23D6V/ EPGA11DV	EAVH16S18D6V/ EPGA14DV	EAVH16S23D6V/ EPGA14DV	EAVH16S18D6V/ EPGA16DV	EAVH16S23D6V/ EPGA16DV
Space heating	Warm climate water outlet 35°C	General	Annual energy consumption	kWh		2,496		2,779		3,136	
			ηs (Seasonal space heating efficiency)	%		233		237		236	
			Prated at 2°C	kW		11		13		14	
		B Condition (2°CDB/1°CWB)	Cdh (Degradation heating)			1.0					
			COPd			3.40		3.25		3.22	
			Pdh	kW		11.1		12.4		12.7	
			PERd	%		136.0		130.0		128.8	
		C Condition (7°CDB/6°CWB)	Cdh (Degradation heating)			1.0					
			COPd			5.67		5.70		5.73	
			Pdh	kW		7.6		8.4		9.3	
			PERd	%		226.8		228.0		229.2	
		Tbiv (bivalent temperature)	COPd			3.40		3.25		3.44	
			Pdh	kW		11.1		12.4		12.2	
			PERd	%		136.0		130.0		137.6	
			Tbiv	°C		2				4	
		D Condition (12°CDB/ 11°CWB)	Cdh (Degradation heating)			0.94					
			COPd			7.60		7.78		8.03	
			Pdh	kW		5.2		5.3			
			PERd	%		304.0		311.2		321.2	
Space heating general	Air to water unit	Rated airflow (outdoor)			m³/h	6,900				8,100	
	Other	Capacity control				Inverter					
		Pck (Crankcase heater mode)			kW	0.000					
		Poff (Off mode)			kW	0.021					
		Psb (Standby mode)			kW	0.021					
		Pto (Thermostat off)			kW	0.041					
	Integrated supplementary heater	Psup			kW	6.0					
		Type of energy input				Electrical					
Domestic hot water heating	General	Declared load profile				L	XL	L	XL	L	XL
		Function to fix water heating during off peak hours				No					
	Average climate	AEC (Annual electricity consumption)			kWh	1,029	1,517	1,029	1,517	1,029	1,517
		ηwh (water heating efficiency)			%	104	111	104	111	104	111
		Qelec (Daily electricity consumption)			kWh	4.870	7.110	4.870	7.110	4.870	7.110
		Water heating energy efficiency class				A					
	Cold climate	AEC (Annual electricity consumption)			kWh	1,066	1,855	1,066	1,855	1,066	1,855
		ηwh (water heating efficiency)			%	100	91	100	91	100	91
		Qelec (Daily electricity consumption)			kWh	5.195	8.880	5.195	8.880	5.195	8.880
	Warm climate	AEC (Annual electricity consumption)			kWh	749	1,304	749	1,304	749	1,304
		ηwh (water heating efficiency)			%	142	129	142	129	142	129
		Qelec (Daily electricity consumption)			kWh	3.590	6.190	3.590	6.190	3.590	6.190
Heating capacity	Nom.				kW	11.1 (1) / 11.3 (2)		14.5 (1) / 14.5 (2)		16.5 (1) / 15.6 (2)	
Power input	Heating	Nom.			kW	2.16 (1) / 2.91 (2)		2.91 (1) / 3.96 (2)		3.45 (1) / 4.21 (2)	
	Domestic hot water from 10°C to 50°C	Nom.			kWh	2.67	3.08	2.67	3.08	2.67	3.08
COP						5.15 (1) / 3.88 (2)		4.99 (1) / 3.65 (2)		4.78 (1) / 3.71 (2)	
Pump	Type					Grundfos UPMXL GEO 25-125 130 PWM					
	Nominal ESP unit	Heating			kPa	78.6 (1) / 78.9 (2)		53.8 (1) / 52.7 (2)		40.6 (1) / 42.0 (2)	
Water side Heat exchanger	Water flow rate	Heating	Nom.		l/min	32.5 (1) / 32.4 (2)		41.2 (1) / 41.5 (2)		45.1 (1) / 44.7 (2)	

2 Specifications

CONNECTABLE INDOOR UNITS											
2-1 Capacity and Power input				EAVH16S18D6V/ EPGA11DV	EAVH16S23D6V/ EPGA11DV	EAVH16S18D6V/ EPGA14DV	EAVH16S23D6V/ EPGA14DV	EAVH16S18D6V/ EPGA16DV	EAVH16S23D6V/ EPGA16DV
General	Supplier/ Manufacturer details	Name and address		Daikin Europe N.V. - Zandvoordestraat 300, 8400 Oostende, Belgium					
		Name or trademark		Daikin Europe N.V.					
	Product description	Air-to-water heat pump		Yes					
		Brine-to-water heat pump		No					
		Heat pump combination heater		Yes					
		Low-temperature heat pump		No					
		Supplementary heater integrated		Yes					
		Water-to-water heat pump		No					
	LW(A) Sound power level (according to EN14825)	Indoor	dB(A)	44.0					
LW(A) Sound power level (according to EN14825)	Outdoor		dB(A)	64.0				66.0	
Sound condition Ecodesign and energy label				Sound power in heating mode, measured according to the EN12102 under conditions of the EN14825					
Heat up time from 10°C to 50°C			hr	53min at 7°C ambient temperature	1h02min at 7°C ambient temperature	53min at 7°C ambient temperature	1h02min at 7°C ambient temperature	53min at 7°C ambient temperature	1h02min at 7°C ambient temperature

Notes

(1) Condition 1: cooling Ta 35°C - LWE 18°C (DT = 5°C); heating Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C)

(2) Condition 2: cooling Ta 35°C - LWE 7°C (DT = 5°C); heating Ta DB/WB 7°C/6°C - LWC 45°C (DT = 5°C)

2 Specifications

CONNECTABLE INDOOR UNITS											
2-1 Capacity and Power input					EAVH16S18D6VG/ EPGA11DV	EAVH16S23D6VG/ EPGA11DV	EAVH16S18D6VG/ EPGA14DV	EAVH16S23D6VG/ EPGA14DV	EAVH16S18D6VG/ EPGA16DV	EAVH16S23D6VG/ EPGA16DV
Indoor unit					EAVH16S18DA6V	EAVH16S23DA6V	EAVH16S18DA6V	EAVH16S23DA6V	EAVH16S18DA6V	EAVH16S23DA6V
Outdoor unit					EPGA11DAV3		EPGA14DAV3		EPGA16DAV3	
Space heating	Average climate water outlet 55°C	General	Annual energy consumption	kWh	7,845		8,669		9,706	
			ηs (Seasonal space heating efficiency)	%	129		130		133	
			Prated at -10°C	kW	13		14		16	
			SCOP		3.29		3.34		3.41	
			Seasonal space heating eff. class		A++					
		A Condition (-7°CDB/-8°CWB)	Cdh (Degradation heating)		1.0					
			COPd		2.25		2.17		2.23	
			Pdh	kW	11.5		12.3		13.1	
			PERd	%	90.0		86.8		89.2	
		B Condition (2°CDB/1°CWB)	Cdh (Degradation heating)		1.0					
			COPd		3.14		3.18		3.26	
			Pdh	kW	6.5		8.1		8.7	
			PERd	%	125.6		127.2		130.4	
		C Condition (7°CDB/6°CWB)	Cdh (Degradation heating)		0.96		1.0			
			COPd		4.27		4.46		4.62	
			Pdh	kW	4.6		5.0		5.8	
			PERd	%	170.8		178.4		184.8	
		D Condition (12°CDB/ 11°CWB)	Cdh (Degradation heating)		0.95					
			COPd		5.75		5.94		6.47	
			Pdh	kW	5.2					
			PERd	%	230.0		237.6		258.8	
		Tol (temperature operating limit)	COPd		2.11		2.10		2.05	
			Pdh	kW	12.5		13.5		13.2	
			PERd	%	84.4		84.0		82.0	
			TOL	°C	-10					
			WTOL	°C	55					
		Rated heat output supplementary capacity	Psup (at Tdesign -10°C)	kW	0.0		0.5		2.8	
		Tbiv (bivalent temperature)	COPd		2.11		2.17		2.40	
			Pdh	kW	12.5		12.3		12.9	
			PERd	%	84.4		86.8		96.0	
			Tbiv	°C	-10		-7		-5	

2 Specifications

CONNECTABLE INDOOR UNITS											
2-1 Capacity and Power input					EAVH16S18D6VG/ EPGA11DV	EAVH16S23D6VG/ EPGA11DV	EAVH16S18D6VG/ EPGA14DV	EAVH16S23D6VG/ EPGA14DV	EAVH16S18D6VG/ EPGA16DV	EAVH16S23D6VG/ EPGA16DV
Space heating	Cold climate water outlet 55°C	General	Annual energy consumption	kWh	10,085		11,385		12,295	
			ηs (Seasonal space heating efficiency)	%	124		123		121	
			Prated at -22°C	kW	13		15			
		A Condition (-7°CDB/-8°CWB)	Cdh (Degradation heating)		1.0					
			COPd		2.68		2.61		2.58	
			Pdh	kW	8.3		8.8		9.4	
			PERd	%	107.2		104.4		103.2	
		B Condition (2°CDB/1°CWB)	Cdh (Degradation heating)		1.0					
			COPd		3.75				3.66	
			Pdh	kW	5.1		5.5		5.9	
			PERd	%	150.0				146.4	
		C Condition (7°CDB/6°CWB)	Cdh (Degradation heating)		0.96					
			COPd		4.63		4.70		4.75	
			Pdh	kW	4.5					
			PERd	%	185.2		188.0		190.0	
		D Condition (12°CDB/ 11°CWB)	COPd		6.01		6.13		6.21	
			Pdh	kW	5.2				5.1	
			PERd	%	240.4		245.2		248.4	
		Tol (temperature operating limit)	COPd		1.34					
			Pdh	kW	7.5					
			PERd	%	53.6					
			TOL	°C	-21					
			WTOL	°C	54					
		G Condition (-15°CDB/-)	COPd		2.10		2.12		2.13	
			Pdh	kW	11.1		11.9		12.6	
			PERd	%	84.0		84.8		85.2	
		Tbiv (bivalent temperature)	COPd		1.93		2.05		2.13	
			Pdh	kW	11.4		12.4		12.6	
			PERd	%	77.2		82.0		85.2	
			Tbiv	°C	-18		-16		-15	
		Rated heat output supplementary capacity	Psup (at Tdesign -22°C)	kW	5.5		7.0		7.9	
	Warm climate water outlet 55°C	General	Annual energy consumption	kWh	3,696		4,104		4,362	
			ηs (Seasonal space heating efficiency)	%	156		160		162	
			Prated at 2°C	kW	11		13		14	
		B Condition (2°CDB/1°CWB)	Cdh (Degradation heating)		1.0					
			COPd		2.45		2.43		2.41	
			Pdh	kW	11.4		12.4		13.5	
			PERd	%	98.0		97.2		96.4	
		C Condition (7°CDB/6°CWB)	Cdh (Degradation heating)		1.0					
			COPd		3.58		3.62		3.66	
			Pdh	kW	7.2		7.9		8.7	
			PERd	%	143.2		144.8		146.4	
		D Condition (12°CDB/ 11°CWB)	Cdh (Degradation heating)		0.96					
			COPd		5.16		5.29		5.38	
			Pdh	kW	5.3		5.2			
			PERd	%	206.4		211.6		215.2	
		Tbiv (bivalent temperature)	COPd		2.45		2.43		2.41	
			Pdh	kW	11.4		12.4		13.5	
			PERd	%	98.0		97.2		96.4	
			Tbiv	°C	2					

2 Specifications

CONNECTABLE INDOOR UNITS											
2-1 Capacity and Power input					EAVH16S18D6VG/ EPGA11DV	EAVH16S23D6VG/ EPGA11DV	EAVH16S18D6VG/ EPGA14DV	EAVH16S23D6VG/ EPGA14DV	EAVH16S18D6VG/ EPGA16DV	EAVH16S23D6VG/ EPGA16DV
Space heating	Average climate water outlet 35°C	General	SCOP		4.38		4.45		4.56	
			Annual energy consumption	kWh	5,189		5,797		6,345	
			ηs (Seasonal space heating efficiency)	%	172		175		179	
			Prated at -10°C	kW	11		13		14	
			Seasonal space heating eff. class		A++		A+++			
		A Condition (-7°CDB/-8°CWB)	COPd		3.07		2.85		2.99	
			Pdh	kW	9.7		11.1		12.2	
			PERd	%	122.8		114.0		119.6	
		B Condition (2°CDB/1°CWB)	Cdh (Degradation heating)		1.0					
			COPd		4.15		4.24		4.30	
			Pdh	kW	6.3		7.0		7.4	
			PERd	%	166.0		169.6		172.0	
		C Condition (7°CDB/6°CWB)	Cdh (Degradation heating)		0.95		1.0		0.95	
			COPd		5.86		6.24		6.35	
			Pdh	kW	4.5				5.0	
			PERd	%	234.4		249.6		254.0	
		D Condition (12°CDB/ 11°CWB)	Cdh (Degradation heating)		0.94					
			COPd		7.88		8.12			
			Pdh	kW	5.3					
			PERd	%	315.2		324.8			
		Tol (temperature operating limit)	COPd		2.80		2.53		2.72	
			Pdh	kW	11.0		12.5		14.5	
			PERd	%	112.0		101.2		108.8	
			TOL	°C	-10					
			WTOL	°C	35					
		Tbiv (bivalent temperature)	COPd		2.80		2.53		2.72	
			Pdh	kW	11.0		12.5		14.5	
			PERd	%	112.0		101.2		108.8	
			Tbiv	°C	-10					
		Rated heat output supplementary capacity	Psup (at Tdesign -10°C)	kW	0.0					

2 Specifications

CONNECTABLE INDOOR UNITS											
2-1 Capacity and Power input					EAVH16S18D6VG/ EPGA11DV	EAVH16S23D6VG/ EPGA11DV	EAVH16S18D6VG/ EPGA14DV	EAVH16S23D6VG/ EPGA14DV	EAVH16S18D6VG/ EPGA16DV	EAVH16S23D6VG/ EPGA16DV
Space heating	Cold climate water outlet 35°C	General	Annual energy consumption	kWh	9,295		10,249		11,108	
			ηs (Seasonal space heating efficiency)	%	151				157	
			Prated at -22°C	kW	15		16		18	
			Qhe Annual energy consumption (GCV)	Gj	33.5		36.9		40.0	
		A Condition (-7°CDB/-8°CWB)	COPd		3.09		3.20		3.39	
			Pdh	kW	9.0		9.7		10.8	
			PERd	%	123.6		128.0		135.6	
		B Condition (2°CDB/1°CWB)	Cdh (Degradation heating)		1.0				0.97	
			COPd		4.45				4.68	
			Pdh	kW	5.6				7.1	
			PERd	%	178.0				187.2	
		C Condition (7°CDB/6°CWB)	Cdh (Degradation heating)		0.94					
			COPd		6.24		6.46		6.75	
			Pdh	kW	4.5				4.6	
			PERd	%	249.6		258.4		270.0	
		D Condition (12°CDB/ 11°CWB)	Cdh (Degradation heating)		0.94					
			COPd		7.84		7.98		8.19	
			Pdh	kW	5.2		5.3			
			PERd	%	313.6		319.2		327.6	
		Tol (temperature operating limit)	COPd		2.13		2.10			
			Pdh	kW	11.8		13.5			
			PERd	%	85.2		84.0			
			TOL	°C	-22					
			WTOL	°C	35					
		G Condition (-15°CDB/-)	COPd		2.67		2.43		2.40	
			Pdh	kW	12.1		13.4		14.6	
			PERd	%	106.8		97.2		96.0	
		Tbiv (bivalent temperature)	COPd		2.49		2.36		2.40	
			Pdh	kW	13.1		13.7		14.6	
			PERd	%	99.6		94.4		96.0	
			Tbiv	°C	-18		-16		-15	
		Rated heat output supplementary capacity	Psup (at Tdesign -22°C)	kW	2.7		2.5		4.5	

2 Specifications

CONNECTABLE INDOOR UNITS												
2-1 Capacity and Power input						EAVH16S18D6VG/ EPGA11DV	EAVH16S23D6VG/ EPGA11DV	EAVH16S18D6VG/ EPGA14DV	EAVH16S23D6VG/ EPGA14DV	EAVH16S18D6VG/ EPGA16DV	EAVH16S23D6VG/ EPGA16DV
Space heating	Warm climate water outlet 35°C	General	Annual energy consumption	kWh		2,496		2,779		3,136	
			ηs (Seasonal space heating efficiency)	%		233		237		236	
			Prated at 2°C	kW		11		13		14	
		B Condition (2°CDB/1°CWB)	Cdh (Degradation heating)			1.0					
			COPd			3.40		3.25		3.22	
			Pdh	kW		11.1		12.4		12.7	
			PERd	%		136.0		130.0		128.8	
		C Condition (7°CDB/6°CWB)	Cdh (Degradation heating)			1.0					
			COPd			5.67		5.70		5.73	
			Pdh	kW		7.6		8.4		9.3	
			PERd	%		226.8		228.0		229.2	
		Tbiv (bivalent temperature)	COPd			3.40		3.25		3.44	
			Pdh	kW		11.1		12.4		12.2	
			PERd	%		136.0		130.0		137.6	
			Tbiv	°C		2				4	
		D Condition (12°CDB/ 11°CWB)	Cdh (Degradation heating)			0.94					
			COPd			7.60		7.78		8.03	
			Pdh	kW		5.2		5.3			
			PERd	%		304.0		311.2		321.2	
Space heating general	Air to water unit	Rated airflow (outdoor)			m³/h	6,900				8,100	
	Other	Capacity control				Inverter					
		Pck (Crankcase heater mode)			kW	0.000					
		Poff (Off mode)			kW	0.021					
		Psb (Standby mode)			kW	0.021					
		Pto (Thermostat off)			kW	0.041					
	Integrated supplementary heater	Psup			kW	6.0					
		Type of energy input				Electrical					
Domestic hot water heating	General	Declared load profile				L	XL	L	XL	L	XL
		Function to fix water heating during off peak hours				No					
	Average climate	AEC (Annual electricity consumption)			kWh	1,029	1,517	1,029	1,517	1,029	1,517
		ηwh (water heating efficiency)			%	104	111	104	111	104	111
		Qelec (Daily electricity consumption)			kWh	4.870	7.110	4.870	7.110	4.870	7.110
		Water heating energy efficiency class				A					
	Cold climate	AEC (Annual electricity consumption)			kWh	1,066	1,855	1,066	1,855	1,066	1,855
		ηwh (water heating efficiency)			%	100	91	100	91	100	91
		Qelec (Daily electricity consumption)			kWh	5.195	8.880	5.195	8.880	5.195	8.880
	Warm climate	AEC (Annual electricity consumption)			kWh	749	1,304	749	1,304	749	1,304
		ηwh (water heating efficiency)			%	142	129	142	129	142	129
		Qelec (Daily electricity consumption)			kWh	3.590	6.190	3.590	6.190	3.590	6.190
Heating capacity	Nom.				kW	11.1 (1) / 11.3 (2)		14.5 (1) / 14.5 (2)		16.5 (1) / 15.6 (2)	
Power input	Heating	Nom.			kW	2.16 (1) / 2.91 (2)		2.91 (1) / 3.96 (2)		3.45 (1) / 4.21 (2)	
	Domestic hot water from 10°C to 50°C	Nom.			kWh	2.67	3.08	2.67	3.08	2.67	3.08
COP						5.15 (1) / 3.88 (2)		4.99 (1) / 3.65 (2)		4.78 (1) / 3.71 (2)	
Pump	Type					Grundfos UPMXL GEO 25-125 130 PWM					
	Nominal ESP unit	Heating			kPa	78.6 (1) / 78.9 (2)		53.8 (1) / 52.7 (2)		40.6 (1) / 42.0 (2)	
Water side Heat exchanger	Water flow rate	Heating	Nom.		l/min	32.5 (1) / 32.4 (2)		41.2 (1) / 41.5 (2)		45.1 (1) / 44.7 (2)	

2 Specifications

CONNECTABLE INDOOR UNITS											
2-1 Capacity and Power input				EAVH16S18D6VG/ EPGA11DV	EAVH16S23D6VG/ EPGA11DV	EAVH16S18D6VG/ EPGA14DV	EAVH16S23D6VG/ EPGA14DV	EAVH16S18D6VG/ EPGA16DV	EAVH16S23D6VG/ EPGA16DV
General	Supplier/ Manufacturer details	Name and address		Daikin Europe N.V. - Zandvoordestraat 300, 8400 Oostende, Belgium					
		Name or trademark		Daikin Europe N.V.					
	Product description	Air-to-water heat pump		Yes					
		Brine-to-water heat pump		No					
		Heat pump combination heater		Yes					
		Low-temperature heat pump		No					
		Supplementary heater integrated		Yes					
		Water-to-water heat pump		No					
	LW(A) Sound power level (according to EN14825)	Indoor	dB(A)	44.0					
LW(A) Sound power level (according to EN14825)	Outdoor		dB(A)	64.0				66.0	
Sound condition Ecodesign and energy label				Sound power in heating mode, measured according to the EN12102 under conditions of the EN14825					
Heat up time from 10°C to 50°C			hr	53min at 7°C ambient temperature	1h02min at 7°C ambient temperature	53min at 7°C ambient temperature	1h02min at 7°C ambient temperature	53min at 7°C ambient temperature	1h02min at 7°C ambient temperature

Notes

(1) Condition 1: cooling Ta 35°C - LWE 18°C (DT = 5°C); heating Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C)

(2) Condition 2: cooling Ta 35°C - LWE 7°C (DT = 5°C); heating Ta DB/WB 7°C/6°C - LWC 45°C (DT = 5°C)

2 Specifications

CONNECTABLE INDOOR UNITS											
2-1 Capacity and Power input					EAVH16S18D9W/ EPGA11DV	EAVH16S23D9W/ EPGA11DV	EAVH16S18D9W/ EPGA14DV	EAVH16S23D9W/ EPGA14DV	EAVH16S18D9W/ EPGA16DV	EAVH16S23D9W/ EPGA16DV
Indoor unit					EAVH16S18DA9W	EAVH16S23DA9W	EAVH16S18DA9W	EAVH16S23DA9W	EAVH16S18DA9W	EAVH16S23DA9W
Outdoor unit					EPGA11DAV3		EPGA14DAV3		EPGA16DAV3	
Space heating	Average climate water outlet 55°C	General	Annual energy consumption	kWh	7,845		8,669		9,706	
			ηs (Seasonal space heating efficiency)	%	129		130		133	
			Prated at -10°C	kW	13		14		16	
			SCOP		3.29		3.34		3.41	
			Seasonal space heating eff. class		A++					
		A Condition (-7°CDB/-8°CWB)	Cdh (Degradation heating)		1.0					
			COPd		2.25		2.17		2.23	
			Pdh	kW	11.5		12.3		13.1	
			PERd	%	90.0		86.8		89.2	
		B Condition (2°CDB/1°CWB)	Cdh (Degradation heating)		1.0					
			COPd		3.14		3.18		3.26	
			Pdh	kW	6.5		8.1		8.7	
			PERd	%	125.6		127.2		130.4	
		C Condition (7°CDB/6°CWB)	Cdh (Degradation heating)		0.96		1.0			
			COPd		4.27		4.46		4.62	
			Pdh	kW	4.6		5.0		5.8	
			PERd	%	170.8		178.4		184.8	
		D Condition (12°CDB/ 11°CWB)	Cdh (Degradation heating)		0.95					
			COPd		5.75		5.94		6.47	
			Pdh	kW	5.2					
			PERd	%	230.0		237.6		258.8	
		Tol (temperature operating limit)	COPd		2.11		2.10		2.05	
			Pdh	kW	12.5		13.5		13.2	
			PERd	%	84.4		84.0		82.0	
			TOL	°C	-10					
			WTOL	°C	55					
		Rated heat output supplementary capacity	Psup (at Tdesign -10°C)	kW	0.0		0.5		2.8	
		Tbiv (bivalent temperature)	COPd		2.11		2.17		2.40	
			Pdh	kW	12.5		12.3		12.9	
			PERd	%	84.4		86.8		96.0	
			Tbiv	°C	-10		-7		-5	

2 Specifications

CONNECTABLE INDOOR UNITS											
2-1 Capacity and Power input					EAVH16S18D9W/ EPGA11DV	EAVH16S23D9W/ EPGA11DV	EAVH16S18D9W/ EPGA14DV	EAVH16S23D9W/ EPGA14DV	EAVH16S18D9W/ EPGA16DV	EAVH16S23D9W/ EPGA16DV
Space heating	Cold climate water outlet 55°C	General	Annual energy consumption	kWh	10,085		11,385		12,295	
			ηs (Seasonal space heating efficiency)	%	124		123		121	
			Prated at -22°C	kW	13		15			
		A Condition (-7°CDB/-8°CWB)	Cdh (Degradation heating)		1.0					
			COPd		2.68		2.61		2.58	
			Pdh	kW	8.3		8.8		9.4	
			PERd	%	107.2		104.4		103.2	
		B Condition (2°CDB/1°CWB)	Cdh (Degradation heating)		1.0					
			COPd		3.75				3.66	
			Pdh	kW	5.1		5.5		5.9	
			PERd	%	150.0				146.4	
		C Condition (7°CDB/6°CWB)	Cdh (Degradation heating)		0.96					
			COPd		4.63		4.70		4.75	
			Pdh	kW	4.5					
			PERd	%	185.2		188.0		190.0	
		D Condition (12°CDB/ 11°CWB)	COPd		6.01		6.13		6.21	
			Pdh	kW	5.2				5.1	
			PERd	%	240.4		245.2		248.4	
		Tol (temperature operating limit)	COPd		1.34					
			Pdh	kW	7.5					
			PERd	%	53.6					
			TOL	°C	-21					
			WTOL	°C	54					
		G Condition (-15°CDB/-)	COPd		2.10		2.12		2.13	
			Pdh	kW	11.1		11.9		12.6	
			PERd	%	84.0		84.8		85.2	
		Tbiv (bivalent temperature)	COPd		1.93		2.05		2.13	
			Pdh	kW	11.4		12.4		12.6	
			PERd	%	77.2		82.0		85.2	
			Tbiv	°C	-18		-16		-15	
		Rated heat output supplementary capacity	Psup (at Tdesign -22°C)	kW	5.5		7.0		7.9	
	Warm climate water outlet 55°C	General	Annual energy consumption	kWh	3,696		4,104		4,362	
			ηs (Seasonal space heating efficiency)	%	156		160		162	
			Prated at 2°C	kW	11		13		14	
		B Condition (2°CDB/1°CWB)	Cdh (Degradation heating)		1.0					
			COPd		2.45		2.43		2.41	
			Pdh	kW	11.4		12.4		13.5	
			PERd	%	98.0		97.2		96.4	
		C Condition (7°CDB/6°CWB)	Cdh (Degradation heating)		1.0					
			COPd		3.58		3.62		3.66	
			Pdh	kW	7.2		7.9		8.7	
			PERd	%	143.2		144.8		146.4	
		D Condition (12°CDB/ 11°CWB)	Cdh (Degradation heating)		0.96					
			COPd		5.16		5.29		5.38	
			Pdh	kW	5.3		5.2			
			PERd	%	206.4		211.6		215.2	
		Tbiv (bivalent temperature)	COPd		2.45		2.43		2.41	
			Pdh	kW	11.4		12.4		13.5	
			PERd	%	98.0		97.2		96.4	
			Tbiv	°C	2					

2 Specifications

CONNECTABLE INDOOR UNITS											
2-1 Capacity and Power input					EAVH16S18D9W/ EPGA11DV	EAVH16S23D9W/ EPGA11DV	EAVH16S18D9W/ EPGA14DV	EAVH16S23D9W/ EPGA14DV	EAVH16S18D9W/ EPGA16DV	EAVH16S23D9W/ EPGA16DV
Space heating	Average climate water outlet 35°C	General	SCOP		4.38		4.45		4.56	
			Annual energy consumption	kWh	5,189		5,797		6,345	
			ηs (Seasonal space heating efficiency)	%	172		175		179	
			Prated at -10°C	kW	11		13		14	
			Seasonal space heating eff. class		A++		A+++			
		A Condition (-7°CDB/-8°CWB)	COPd		3.07		2.85		2.99	
			Pdh	kW	9.7		11.1		12.2	
			PERd	%	122.8		114.0		119.6	
		B Condition (2°CDB/1°CWB)	Cdh (Degradation heating)		1.0					
			COPd		4.15		4.24		4.30	
			Pdh	kW	6.3		7.0		7.4	
			PERd	%	166.0		169.6		172.0	
		C Condition (7°CDB/6°CWB)	Cdh (Degradation heating)		0.95		1.0		0.95	
			COPd		5.86		6.24		6.35	
			Pdh	kW	4.5				5.0	
			PERd	%	234.4		249.6		254.0	
		D Condition (12°CDB/ 11°CWB)	Cdh (Degradation heating)		0.94					
			COPd		7.88		8.12			
			Pdh	kW	5.3					
			PERd	%	315.2		324.8			
		Tol (temperature operating limit)	COPd		2.80		2.53		2.72	
			Pdh	kW	11.0		12.5		14.5	
			PERd	%	112.0		101.2		108.8	
			TOL	°C	-10					
			WTOL	°C	35					
		Tbiv (bivalent temperature)	COPd		2.80		2.53		2.72	
			Pdh	kW	11.0		12.5		14.5	
			PERd	%	112.0		101.2		108.8	
			Tbiv	°C	-10					
		Rated heat output supplementary capacity	Psup (at Tdesign -10°C)	kW	0.0					

2 Specifications

CONNECTABLE INDOOR UNITS											
2-1 Capacity and Power input					EAVH16S18D9W/ EPGA11DV	EAVH16S23D9W/ EPGA11DV	EAVH16S18D9W/ EPGA14DV	EAVH16S23D9W/ EPGA14DV	EAVH16S18D9W/ EPGA16DV	EAVH16S23D9W/ EPGA16DV
Space heating	Cold climate water outlet 35°C	General	Annual energy consumption	kWh	9,295		10,249		11,108	
			ηs (Seasonal space heating efficiency)	%	151				157	
			Prated at -22°C	kW	15		16		18	
			Qhe Annual energy consumption (GCV)	Gj	33.5		36.9		40.0	
		A Condition (-7°CDB/-8°CWB)	COPd		3.09		3.20		3.39	
			Pdh	kW	9.0		9.7		10.8	
			PERd	%	123.6		128.0		135.6	
		B Condition (2°CDB/1°CWB)	Cdh (Degradation heating)		1.0				0.97	
			COPd		4.45				4.68	
			Pdh	kW	5.6				7.1	
			PERd	%	178.0				187.2	
		C Condition (7°CDB/6°CWB)	Cdh (Degradation heating)		0.94					
			COPd		6.24		6.46		6.75	
			Pdh	kW	4.5				4.6	
			PERd	%	249.6		258.4		270.0	
		D Condition (12°CDB/ 11°CWB)	Cdh (Degradation heating)		0.94					
			COPd		7.84		7.98		8.19	
			Pdh	kW	5.2		5.3			
			PERd	%	313.6		319.2		327.6	
		Tol (temperature operating limit)	COPd		2.13		2.10			
			Pdh	kW	11.8		13.5			
			PERd	%	85.2		84.0			
			TOL	°C	-22					
			WTOL	°C	35					
		G Condition (-15°CDB/-)	COPd		2.67		2.43		2.40	
			Pdh	kW	12.1		13.4		14.6	
			PERd	%	106.8		97.2		96.0	
		Tbiv (bivalent temperature)	COPd		2.49		2.36		2.40	
			Pdh	kW	13.1		13.7		14.6	
			PERd	%	99.6		94.4		96.0	
			Tbiv	°C	-18		-16		-15	
		Rated heat output supplementary capacity	Psup (at Tdesign -22°C)	kW	2.7		2.5		4.5	

2 Specifications

CONNECTABLE INDOOR UNITS												
2-1 Capacity and Power input						EAVH16S18D9W/ EPGA11DV	EAVH16S23D9W/ EPGA11DV	EAVH16S18D9W/ EPGA14DV	EAVH16S23D9W/ EPGA14DV	EAVH16S18D9W/ EPGA16DV	EAVH16S23D9W/ EPGA16DV
Space heating	Warm climate water outlet 35°C	General	Annual energy consumption	kWh		2,496		2,779		3,136	
			ηs (Seasonal space heating efficiency)	%		233		237		236	
			Prated at 2°C	kW		11		13		14	
		B Condition (2°CDB/1°CWB)	Cdh (Degradation heating)			1.0					
			COPd			3.40		3.25		3.22	
			Pdh	kW		11.1		12.4		12.7	
			PERd	%		136.0		130.0		128.8	
		C Condition (7°CDB/6°CWB)	Cdh (Degradation heating)			1.0					
			COPd			5.67		5.70		5.73	
			Pdh	kW		7.6		8.4		9.3	
			PERd	%		226.8		228.0		229.2	
		Tbiv (bivalent temperature)	COPd			3.40		3.25		3.44	
			Pdh	kW		11.1		12.4		12.2	
			PERd	%		136.0		130.0		137.6	
			Tbiv	°C		2				4	
		D Condition (12°CDB/ 11°CWB)	Cdh (Degradation heating)			0.94					
			COPd			7.60		7.78		8.03	
			Pdh	kW		5.2		5.3			
			PERd	%		304.0		311.2		321.2	
Space heating general	Air to water unit	Rated airflow (outdoor)			m³/h	6,900				8,100	
	Other	Capacity control				Inverter					
		Pck (Crankcase heater mode)			kW	0.000					
		Poff (Off mode)			kW	0.021					
		Psb (Standby mode)			kW	0.021					
		Pto (Thermostat off)			kW	0.041					
	Integrated supplementary heater	Psup			kW	9.0					
		Type of energy input				Electrical					
Domestic hot water heating	General	Declared load profile				L	XL	L	XL	L	XL
		Function to fix water heating during off peak hours				No					
	Average climate	AEC (Annual electricity consumption)			kWh	1,029	1,517	1,029	1,517	1,029	1,517
		ηwh (water heating efficiency)			%	104	111	104	111	104	111
		Qelec (Daily electricity consumption)			kWh	4.870	7.110	4.870	7.110	4.870	7.110
		Water heating energy efficiency class				A					
	Cold climate	AEC (Annual electricity consumption)			kWh	1,066	1,855	1,066	1,855	1,066	1,855
		ηwh (water heating efficiency)			%	100	91	100	91	100	91
		Qelec (Daily electricity consumption)			kWh	5.195	8.880	5.195	8.880	5.195	8.880
	Warm climate	AEC (Annual electricity consumption)			kWh	749	1,304	749	1,304	749	1,304
		ηwh (water heating efficiency)			%	142	129	142	129	142	129
		Qelec (Daily electricity consumption)			kWh	3.590	6.190	3.590	6.190	3.590	6.190
Heating capacity	Nom.				kW	11.1 (1) / 11.3 (2)		14.5 (1) / 14.5 (2)		16.5 (1) / 15.6 (2)	
Power input	Heating	Nom.			kW	2.16 (1) / 2.91 (2)		2.91 (1) / 3.96 (2)		3.45 (1) / 4.21 (2)	
	Domestic hot water from 10°C to 50°C	Nom.			kWh	2.67	3.08	2.67	3.08	2.67	3.08
COP						5.15 (1) / 3.88 (2)		4.99 (1) / 3.65 (2)		4.78 (1) / 3.71 (2)	
Pump	Type					Grundfos UPMXL GEO 25-125 130 PWM					
	Nominal ESP unit	Heating			kPa	78.6 (1) / 78.9 (2)		53.8 (1) / 52.7 (2)		40.6 (1) / 42.0 (2)	
Water side Heat exchanger	Water flow rate	Heating	Nom.		l/min	32.5 (1) / 32.4 (2)		41.2 (1) / 41.5 (2)		45.1 (1) / 44.7 (2)	

2 Specifications

CONNECTABLE INDOOR UNITS											
2-1 Capacity and Power input				EAVH16S18D9W/ EPGA11DV	EAVH16S23D9W/ EPGA11DV	EAVH16S18D9W/ EPGA14DV	EAVH16S23D9W/ EPGA14DV	EAVH16S18D9W/ EPGA16DV	EAVH16S23D9W/ EPGA16DV
General	Supplier/ Manufacturer details	Name and address		Daikin Europe N.V. - Zandvoordestraat 300, 8400 Oostende, Belgium					
		Name or trademark		Daikin Europe N.V.					
	Product description	Air-to-water heat pump		Yes					
		Brine-to-water heat pump		No					
		Heat pump combination heater		Yes					
		Low-temperature heat pump		No					
		Supplementary heater integrated		Yes					
		Water-to-water heat pump		No					
	LW(A) Sound power level (according to EN14825)	Indoor	dB(A)	44.0					
LW(A) Sound power level (according to EN14825)	Outdoor		dB(A)	64.0				66.0	
Sound condition Ecodesign and energy label				Sound power in heating mode, measured according to the EN12102 under conditions of the EN14825					
Heat up time from 10°C to 50°C			hr	53min at 7°C ambient temperature	1h02min at 7°C ambient temperature	53min at 7°C ambient temperature	1h02min at 7°C ambient temperature	53min at 7°C ambient temperature	1h02min at 7°C ambient temperature

Notes

(1) Condition 1: cooling Ta 35°C - LWE 18°C (DT = 5°C); heating Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C)

(2) Condition 2: cooling Ta 35°C - LWE 7°C (DT = 5°C); heating Ta DB/WB 7°C/6°C - LWC 45°C (DT = 5°C)

2 Specifications

CONNECTABLE INDOOR UNITS											
2-1 Capacity and Power input					EAVH16S18D9WG/ EPGA11DV	EAVH16S23D9WG/ EPGA11DV	EAVH16S18D9WG/ EPGA14DV	EAVH16S23D9WG/ EPGA14DV	EAVH16S18D9WG/ EPGA16DV	EAVH16S23D9WG/ EPGA16DV
Indoor unit					EAVH16S18DA9W	EAVH16S23DA9W	EAVH16S18DA9W	EAVH16S23DA9W	EAVH16S18DA9W	EAVH16S23DA9W
Outdoor unit					EPGA11DAV3		EPGA14DAV3		EPGA16DAV3	
Space heating	Average climate water outlet 55°C	General	Annual energy consumption	kWh	7,845		8,669		9,706	
			ηs (Seasonal space heating efficiency)	%	129		130		133	
			Prated at -10°C	kW	13		14		16	
			SCOP		3.29		3.34		3.41	
			Seasonal space heating eff. class		A++					
		A Condition (-7°CDB/-8°CWB)	Cdh (Degradation heating)		1.0					
			COPd		2.25		2.17		2.23	
			Pdh	kW	11.5		12.3		13.1	
			PERd	%	90.0		86.8		89.2	
		B Condition (2°CDB/1°CWB)	Cdh (Degradation heating)		1.0					
			COPd		3.14		3.18		3.26	
			Pdh	kW	6.5		8.1		8.7	
			PERd	%	125.6		127.2		130.4	
		C Condition (7°CDB/6°CWB)	Cdh (Degradation heating)		0.96		1.0			
			COPd		4.27		4.46		4.62	
			Pdh	kW	4.6		5.0		5.8	
			PERd	%	170.8		178.4		184.8	
		D Condition (12°CDB/ 11°CWB)	Cdh (Degradation heating)		0.95					
			COPd		5.75		5.94		6.47	
			Pdh	kW	5.2					
			PERd	%	230.0		237.6		258.8	
		Tol (temperature operating limit)	COPd		2.11		2.10		2.05	
			Pdh	kW	12.5		13.5		13.2	
			PERd	%	84.4		84.0		82.0	
			TOL	°C	-10					
			WTOL	°C	55					
		Rated heat output supplementary capacity	Psup (at Tdesign -10°C)	kW	0.0		0.5		2.8	
		Tbiv (bivalent temperature)	COPd		2.11		2.17		2.40	
			Pdh	kW	12.5		12.3		12.9	
			PERd	%	84.4		86.8		96.0	
			Tbiv	°C	-10		-7		-5	

2 Specifications

CONNECTABLE INDOOR UNITS											
2-1 Capacity and Power input					EAVH16S18D9WG/ EPGA11DV	EAVH16S23D9WG/ EPGA11DV	EAVH16S18D9WG/ EPGA14DV	EAVH16S23D9WG/ EPGA14DV	EAVH16S18D9WG/ EPGA16DV	EAVH16S23D9WG/ EPGA16DV
Space heating	Cold climate water outlet 55°C	General	Annual energy consumption	kWh	10,085		11,385		12,295	
			ηs (Seasonal space heating efficiency)	%	124		123		121	
			Prated at -22°C	kW	13		15			
		A Condition (-7°CDB/-8°CWB)	Cdh (Degradation heating)		1.0					
			COPd		2.68		2.61		2.58	
			Pdh	kW	8.3		8.8		9.4	
			PERd	%	107.2		104.4		103.2	
		B Condition (2°CDB/1°CWB)	Cdh (Degradation heating)		1.0					
			COPd		3.75				3.66	
			Pdh	kW	5.1		5.5		5.9	
			PERd	%	150.0				146.4	
		C Condition (7°CDB/6°CWB)	Cdh (Degradation heating)		0.96					
			COPd		4.63		4.70		4.75	
			Pdh	kW	4.5					
			PERd	%	185.2		188.0		190.0	
		D Condition (12°CDB/ 11°CWB)	COPd		6.01		6.13		6.21	
			Pdh	kW	5.2				5.1	
			PERd	%	240.4		245.2		248.4	
		Tol (temperature operating limit)	COPd		1.34					
			Pdh	kW	7.5					
			PERd	%	53.6					
			TOL	°C	-21					
			WTOL	°C	54					
		G Condition (-15°CDB/-)	COPd		2.10		2.12		2.13	
			Pdh	kW	11.1		11.9		12.6	
			PERd	%	84.0		84.8		85.2	
		Tbiv (bivalent temperature)	COPd		1.93		2.05		2.13	
			Pdh	kW	11.4		12.4		12.6	
			PERd	%	77.2		82.0		85.2	
			Tbiv	°C	-18		-16		-15	
		Rated heat output supplementary capacity	Psup (at Tdesign -22°C)	kW	5.5		7.0		7.9	
	Warm climate water outlet 55°C	General	Annual energy consumption	kWh	3,696		4,104		4,362	
			ηs (Seasonal space heating efficiency)	%	156		160		162	
			Prated at 2°C	kW	11		13		14	
		B Condition (2°CDB/1°CWB)	Cdh (Degradation heating)		1.0					
			COPd		2.45		2.43		2.41	
			Pdh	kW	11.4		12.4		13.5	
			PERd	%	98.0		97.2		96.4	
		C Condition (7°CDB/6°CWB)	Cdh (Degradation heating)		1.0					
			COPd		3.58		3.62		3.66	
			Pdh	kW	7.2		7.9		8.7	
			PERd	%	143.2		144.8		146.4	
		D Condition (12°CDB/ 11°CWB)	Cdh (Degradation heating)		0.96					
			COPd		5.16		5.29		5.38	
			Pdh	kW	5.3		5.2			
			PERd	%	206.4		211.6		215.2	
		Tbiv (bivalent temperature)	COPd		2.45		2.43		2.41	
			Pdh	kW	11.4		12.4		13.5	
			PERd	%	98.0		97.2		96.4	
			Tbiv	°C	2					

2 Specifications

CONNECTABLE INDOOR UNITS											
2-1 Capacity and Power input					EAVH16S18D9WG/ EPGA11DV	EAVH16S23D9WG/ EPGA11DV	EAVH16S18D9WG/ EPGA14DV	EAVH16S23D9WG/ EPGA14DV	EAVH16S18D9WG/ EPGA16DV	EAVH16S23D9WG/ EPGA16DV
Space heating	Average climate water outlet 35°C	General	SCOP		4.38		4.45		4.56	
			Annual energy consumption	kWh	5,189		5,797		6,345	
			ηs (Seasonal space heating efficiency)	%	172		175		179	
			Prated at -10°C	kW	11		13		14	
			Seasonal space heating eff. class		A++		A+++			
		A Condition (-7°CDB/-8°CWB)	COPd		3.07		2.85		2.99	
			Pdh	kW	9.7		11.1		12.2	
			PERd	%	122.8		114.0		119.6	
		B Condition (2°CDB/1°CWB)	Cdh (Degradation heating)		1.0					
			COPd		4.15		4.24		4.30	
			Pdh	kW	6.3		7.0		7.4	
			PERd	%	166.0		169.6		172.0	
		C Condition (7°CDB/6°CWB)	Cdh (Degradation heating)		0.95		1.0		0.95	
			COPd		5.86		6.24		6.35	
			Pdh	kW	4.5				5.0	
			PERd	%	234.4		249.6		254.0	
		D Condition (12°CDB/ 11°CWB)	Cdh (Degradation heating)		0.94					
			COPd		7.88		8.12			
			Pdh	kW	5.3					
			PERd	%	315.2		324.8			
		Tol (temperature operating limit)	COPd		2.80		2.53		2.72	
			Pdh	kW	11.0		12.5		14.5	
			PERd	%	112.0		101.2		108.8	
			TOL	°C	-10					
			WTOL	°C	35					
		Tbiv (bivalent temperature)	COPd		2.80		2.53		2.72	
			Pdh	kW	11.0		12.5		14.5	
			PERd	%	112.0		101.2		108.8	
			Tbiv	°C	-10					
		Rated heat output supplementary capacity	Psup (at Tdesign -10°C)	kW	0.0					

2 Specifications

CONNECTABLE INDOOR UNITS											
2-1 Capacity and Power input					EAVH16S18D9WG/ EPGA11DV	EAVH16S23D9WG/ EPGA11DV	EAVH16S18D9WG/ EPGA14DV	EAVH16S23D9WG/ EPGA14DV	EAVH16S18D9WG/ EPGA16DV	EAVH16S23D9WG/ EPGA16DV
Space heating	Cold climate water outlet 35°C	General	Annual energy consumption	kWh	9,295		10,249		11,108	
			ηs (Seasonal space heating efficiency)	%	151				157	
			Prated at -22°C	kW	15		16		18	
			Qhe Annual energy consumption (GCV)	Gj	33.5		36.9		40.0	
		A Condition (-7°CDB/-8°CWB)	COPd		3.09		3.20		3.39	
			Pdh	kW	9.0		9.7		10.8	
			PERd	%	123.6		128.0		135.6	
		B Condition (2°CDB/1°CWB)	Cdh (Degradation heating)		1.0				0.97	
			COPd		4.45				4.68	
			Pdh	kW	5.6				7.1	
			PERd	%	178.0				187.2	
		C Condition (7°CDB/6°CWB)	Cdh (Degradation heating)		0.94					
			COPd		6.24		6.46		6.75	
			Pdh	kW	4.5				4.6	
			PERd	%	249.6		258.4		270.0	
		D Condition (12°CDB/ 11°CWB)	Cdh (Degradation heating)		0.94					
			COPd		7.84		7.98		8.19	
			Pdh	kW	5.2		5.3			
			PERd	%	313.6		319.2		327.6	
		Tol (temperature operating limit)	COPd		2.13		2.10			
			Pdh	kW	11.8		13.5			
			PERd	%	85.2		84.0			
			TOL	°C	-22					
			WTOL	°C	35					
		G Condition (-15°CDB/-)	COPd		2.67		2.43		2.40	
			Pdh	kW	12.1		13.4		14.6	
			PERd	%	106.8		97.2		96.0	
		Tbiv (bivalent temperature)	COPd		2.49		2.36		2.40	
			Pdh	kW	13.1		13.7		14.6	
			PERd	%	99.6		94.4		96.0	
			Tbiv	°C	-18		-16		-15	
		Rated heat output supplementary capacity	Psup (at Tdesign -22°C)	kW	2.7		2.5		4.5	

2 Specifications

CONNECTABLE INDOOR UNITS												
2-1 Capacity and Power input						EAVH16S18D9WG/ EPGA11DV	EAVH16S23D9WG/ EPGA11DV	EAVH16S18D9WG/ EPGA14DV	EAVH16S23D9WG/ EPGA14DV	EAVH16S18D9WG/ EPGA16DV	EAVH16S23D9WG/ EPGA16DV
Space heating	Warm climate water outlet 35°C	General	Annual energy consumption	kWh		2,496		2,779		3,136	
			ηs (Seasonal space heating efficiency)	%		233		237		236	
			Prated at 2°C	kW		11		13		14	
		B Condition (2°CDB/1°CWB)	Cdh (Degradation heating)			1.0					
			COPd			3.40		3.25		3.22	
			Pdh	kW		11.1		12.4		12.7	
			PERd	%		136.0		130.0		128.8	
		C Condition (7°CDB/6°CWB)	Cdh (Degradation heating)			1.0					
			COPd			5.67		5.70		5.73	
			Pdh	kW		7.6		8.4		9.3	
			PERd	%		226.8		228.0		229.2	
		Tbiv (bivalent temperature)	COPd			3.40		3.25		3.44	
			Pdh	kW		11.1		12.4		12.2	
			PERd	%		136.0		130.0		137.6	
			Tbiv	°C		2				4	
		D Condition (12°CDB/ 11°CWB)	Cdh (Degradation heating)			0.94					
			COPd			7.60		7.78		8.03	
			Pdh	kW		5.2		5.3			
			PERd	%		304.0		311.2		321.2	
Space heating general	Air to water unit	Rated airflow (outdoor)			m³/h	6,900				8,100	
	Other	Capacity control				Inverter					
		Pck (Crankcase heater mode)			kW	0.000					
		Poff (Off mode)			kW	0.021					
		Psb (Standby mode)			kW	0.021					
		Pto (Thermostat off)			kW	0.041					
	Integrated supplementary heater	Psup			kW	9.0					
		Type of energy input				Electrical					
Domestic hot water heating	General	Declared load profile				L	XL	L	XL	L	XL
		Function to fix water heating during off peak hours				No					
	Average climate	AEC (Annual electricity consumption)			kWh	1,029	1,517	1,029	1,517	1,029	1,517
		ηwh (water heating efficiency)			%	104	111	104	111	104	111
		Qelec (Daily electricity consumption)			kWh	4.870	7.110	4.870	7.110	4.870	7.110
		Water heating energy efficiency class				A					
	Cold climate	AEC (Annual electricity consumption)			kWh	1,066	1,855	1,066	1,855	1,066	1,855
		ηwh (water heating efficiency)			%	100	91	100	91	100	91
		Qelec (Daily electricity consumption)			kWh	5.195	8.880	5.195	8.880	5.195	8.880
	Warm climate	AEC (Annual electricity consumption)			kWh	749	1,304	749	1,304	749	1,304
		ηwh (water heating efficiency)			%	142	129	142	129	142	129
		Qelec (Daily electricity consumption)			kWh	3.590	6.190	3.590	6.190	3.590	6.190
Heating capacity	Nom.				kW	11.1 (1) / 11.3 (2)		14.5 (1) / 14.5 (2)		16.5 (1) / 15.6 (2)	
Power input	Heating	Nom.			kW	2.16 (1) / 2.91 (2)		2.91 (1) / 3.96 (2)		3.45 (1) / 4.21 (2)	
	Domestic hot water from 10°C to 50°C	Nom.			kWh	2.67	3.08	2.67	3.08	2.67	3.08
COP						5.15 (1) / 3.88 (2)		4.99 (1) / 3.65 (2)		4.78 (1) / 3.71 (2)	
Pump	Type					Grundfos UPMXL GEO 25-125 130 PWM					
	Nominal ESP unit	Heating			kPa	78.6 (1) / 78.9 (2)		53.8 (1) / 52.7 (2)		40.6 (1) / 42.0 (2)	
Water side Heat exchanger	Water flow rate	Heating	Nom.		l/min	32.5 (1) / 32.4 (2)		41.2 (1) / 41.5 (2)		45.1 (1) / 44.7 (2)	

2 Specifications

CONNECTABLE INDOOR UNITS											
2-1 Capacity and Power input				EAVH16S18D9WG/ EPGA11DV	EAVH16S23D9WG/ EPGA11DV	EAVH16S18D9WG/ EPGA14DV	EAVH16S23D9WG/ EPGA14DV	EAVH16S18D9WG/ EPGA16DV	EAVH16S23D9WG/ EPGA16DV
General	Supplier/ Manufacturer details	Name and address		Daikin Europe N.V. - Zandvoordestraat 300, 8400 Oostende, Belgium					
		Name or trademark		Daikin Europe N.V.					
	Product description	Air-to-water heat pump		Yes					
		Brine-to-water heat pump		No					
		Heat pump combination heater		Yes					
		Low-temperature heat pump		No					
		Supplementary heater integrated		Yes					
		Water-to-water heat pump		No					
	LW(A) Sound power level (according to EN14825)	Indoor	dB(A)	44.0					
LW(A) Sound power level (according to EN14825)	Outdoor		dB(A)	64.0				66.0	
Sound condition Ecodesign and energy label				Sound power in heating mode, measured according to the EN12102 under conditions of the EN14825					
Heat up time from 10°C to 50°C			hr	53min at 7°C ambient temperature	1h02min at 7°C ambient temperature	53min at 7°C ambient temperature	1h02min at 7°C ambient temperature	53min at 7°C ambient temperature	1h02min at 7°C ambient temperature

Notes

(1) Condition 1: cooling Ta 35°C - LWE 18°C (DT = 5°C); heating Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C)

(2) Condition 2: cooling Ta 35°C - LWE 7°C (DT = 5°C); heating Ta DB/WB 7°C/6°C - LWC 45°C (DT = 5°C)

2 Specifications

CONNECTABLE INDOOR UNITS												
2-1 Capacity and Power input					EAVX16S18D6V/ EPGA11DV	EAVX16S23D6V/ EPGA11DV	EAVX16S18D6V/ EPGA14DV	EAVX16S23D6V/ EPGA14DV	EAVX16S18D6V/ EPGA16DV	EAVX16S23D6V/ EPGA16DV
Indoor unit					EAVX16S18DA6V	EAVX16S23DA6V	EAVX16S18DA6V	EAVX16S23DA6V	EAVX16S18DA6V	EAVX16S23DA6V
Outdoor unit					EPGA11DAV3		EPGA14DAV3		EPGA16DAV3	
Space heating	Average climate water outlet 55°C	General	Annual energy consumption	kWh	7,768		8,592		9,628	
			ηs (Seasonal space heating efficiency)	%	130		132		134	
			Prated at -10°C	kW	13		14		16	
			SCOP		3.32		3.37		3.43	
			Seasonal space heating eff. class		A++					
		A Condition (-7°CDB/-8°CWB)	Cdh (Degradation heating)		1.0					
			COPd		2.25		2.17		2.23	
			Pdh	kW	11.5		12.3		13.1	
			PERd	%	90.0		86.8		89.2	
		B Condition (2°CDB/1°CWB)	Cdh (Degradation heating)		1.0					
			COPd		3.14		3.18		3.26	
			Pdh	kW	6.5		8.1		8.7	
			PERd	%	125.6		127.2		130.4	
		C Condition (7°CDB/6°CWB)	Cdh (Degradation heating)		0.96		1.0			
			COPd		4.27		4.46		4.62	
			Pdh	kW	4.6		5.0		5.8	
			PERd	%	170.8		178.4		184.8	
		D Condition (12°CDB/ 11°CWB)	Cdh (Degradation heating)		0.95					
			COPd		5.75		5.94		6.47	
			Pdh	kW	5.2					
			PERd	%	230.0		237.6		258.8	
		Tol (temperature operating limit)	COPd		2.11		2.10		2.05	
			Pdh	kW	12.5		13.5		13.2	
			PERd	%	84.4		84.0		82.0	
			TOL	°C	-10					
			WTOL	°C	55					
		Rated heat output supplementary capacity	Psup (at Tdesign -10°C)	kW	0.0		0.5		2.8	
		Tbiv (bivalent temperature)	COPd		2.11		2.17		2.40	
			Pdh	kW	12.5		12.3		12.9	
			PERd	%	84.4		86.8		96.0	
			Tbiv	°C	-10		-7		-5	

2 Specifications

CONNECTABLE INDOOR UNITS											
2-1 Capacity and Power input					EAVX16S18D6V/ EPGA11DV	EAVX16S23D6V/ EPGA11DV	EAVX16S18D6V/ EPGA14DV	EAVX16S23D6V/ EPGA14DV	EAVX16S18D6V/ EPGA16DV	EAVX16S23D6V/ EPGA16DV
Space heating	Cold climate water outlet 55°C	General	Annual energy consumption	kWh	10,038		11,339		12,249	
			ηs (Seasonal space heating efficiency)	%	125		123		121	
			Prated at -22°C	kW	13		15			
		A Condition (-7°CDB/-8°CWB)	Cdh (Degradation heating)		1.0					
			COPd		2.68		2.61		2.58	
			Pdh	kW	8.3		8.8		9.4	
			PERd	%	107.2		104.4		103.2	
		B Condition (2°CDB/1°CWB)	Cdh (Degradation heating)		1.0					
			COPd		3.75				3.66	
			Pdh	kW	5.1		5.5		5.9	
			PERd	%	150.0				146.4	
		C Condition (7°CDB/6°CWB)	Cdh (Degradation heating)		0.96					
			COPd		4.63		4.70		4.75	
			Pdh	kW	4.5					
			PERd	%	185.2		188.0		190.0	
		D Condition (12°CDB/ 11°CWB)	COPd		6.01		6.13		6.21	
			Pdh	kW	5.2				5.1	
			PERd	%	240.4		245.2		248.4	
		Tol (temperature operating limit)	COPd		1.34					
			Pdh	kW	7.5					
			PERd	%	53.6					
			TOL	°C	-21					
			WTOL	°C	54					
		G Condition (-15°CDB/-)	COPd		2.10		2.12		2.13	
			Pdh	kW	11.1		11.9		12.6	
			PERd	%	84.0		84.8		85.2	
		Tbiv (bivalent temperature)	COPd		1.93		2.05		2.13	
			Pdh	kW	11.4		12.4		12.6	
			PERd	%	77.2		82.0		85.2	
			Tbiv	°C	-18		-16		-15	
		Rated heat output supplementary capacity	Psup (at Tdesign -22°C)	kW	5.5		7.0		7.9	
	Warm climate water outlet 55°C	General	Annual energy consumption	kWh	3,603		4,012		4,270	
			ηs (Seasonal space heating efficiency)	%	160		164		166	
			Prated at 2°C	kW	11		13		14	
		B Condition (2°CDB/1°CWB)	Cdh (Degradation heating)		1.0					
			COPd		2.45		2.43		2.41	
			Pdh	kW	11.4		12.4		13.5	
			PERd	%	98.0		97.2		96.4	
		C Condition (7°CDB/6°CWB)	Cdh (Degradation heating)		1.0					
			COPd		3.58		3.62		3.66	
			Pdh	kW	7.2		7.9		8.7	
			PERd	%	143.2		144.8		146.4	
		D Condition (12°CDB/ 11°CWB)	Cdh (Degradation heating)		0.96					
			COPd		5.16		5.29		5.38	
			Pdh	kW	5.3		5.2			
			PERd	%	206.4		211.6		215.2	
		Tbiv (bivalent temperature)	COPd		2.45		2.43		2.41	
			Pdh	kW	11.4		12.4		13.5	
			PERd	%	98.0		97.2		96.4	
			Tbiv	°C	2					

2 Specifications

CONNECTABLE INDOOR UNITS											
2-1 Capacity and Power input					EAVX16S18D6V/ EPGA11DV	EAVX16S23D6V/ EPGA11DV	EAVX16S18D6V/ EPGA14DV	EAVX16S23D6V/ EPGA14DV	EAVX16S18D6V/ EPGA16DV	EAVX16S23D6V/ EPGA16DV
Space heating	Average climate water outlet 35°C	General	SCOP		4.44		4.51		4.61	
			Annual energy consumption	kWh	5,112		5,720		6,267	
			ηs (Seasonal space heating efficiency)	%	175		178		182	
			Prated at -10°C	kW	11		13		14	
			Seasonal space heating eff. class		A+++					
		A Condition (-7°CDB/-8°CWB)	COPd		3.07		2.85		2.99	
			Pdh	kW	9.7		11.1		12.2	
			PERd	%	122.8		114.0		119.6	
		B Condition (2°CDB/1°CWB)	Cdh (Degradation heating)		1.0					
			COPd		4.15		4.24		4.30	
			Pdh	kW	6.3		7.0		7.4	
			PERd	%	166.0		169.6		172.0	
		C Condition (7°CDB/6°CWB)	Cdh (Degradation heating)		0.95		1.0		0.95	
			COPd		5.86		6.24		6.35	
			Pdh	kW	4.5				5.0	
			PERd	%	234.4		249.6		254.0	
		D Condition (12°CDB/ 11°CWB)	Cdh (Degradation heating)		0.94					
			COPd		7.88		8.12			
			Pdh	kW	5.3					
			PERd	%	315.2		324.8			
		Tol (temperature operating limit)	COPd		2.80		2.53		2.72	
			Pdh	kW	11.0		12.5		14.5	
			PERd	%	112.0		101.2		108.8	
			TOL	°C	-10					
			WTOL	°C	35					
		Tbiv (bivalent temperature)	COPd		2.80		2.53		2.72	
			Pdh	kW	11.0		12.5		14.5	
			PERd	%	112.0		101.2		108.8	
			Tbiv	°C	-10					
		Rated heat output supplementary capacity	Psup (at Tdesign -10°C)	kW	0.0					

2 Specifications

CONNECTABLE INDOOR UNITS											
2-1 Capacity and Power input					EAVX16S18D6V/ EPGA11DV	EAVX16S23D6V/ EPGA11DV	EAVX16S18D6V/ EPGA14DV	EAVX16S23D6V/ EPGA14DV	EAVX16S18D6V/ EPGA16DV	EAVX16S23D6V/ EPGA16DV
Space heating	Cold climate water outlet 35°C	General	Annual energy consumption	kWh	9,249		10,202		11,061	
			ηs (Seasonal space heating efficiency)	%	152				157	
			Prated at -22°C	kW	15		16		18	
			Qhe Annual energy consumption (GCV)	Gj	33.3		36.7		39.8	
		A Condition (-7°CDB/-8°CWB)	COPd		3.09		3.20		3.39	
			Pdh	kW	9.0		9.7		10.8	
			PERd	%	123.6		128.0		135.6	
		B Condition (2°CDB/1°CWB)	Cdh (Degradation heating)		1.0				0.97	
			COPd		4.45				4.68	
			Pdh	kW	5.6				7.1	
			PERd	%	178.0				187.2	
		C Condition (7°CDB/6°CWB)	Cdh (Degradation heating)		0.94					
			COPd		6.24		6.46		6.75	
			Pdh	kW	4.5				4.6	
			PERd	%	249.6		258.4		270.0	
		D Condition (12°CDB/ 11°CWB)	Cdh (Degradation heating)		0.94					
			COPd		7.84		7.98		8.19	
			Pdh	kW	5.2		5.3			
			PERd	%	313.6		319.2		327.6	
		Tol (temperature operating limit)	COPd		2.13		2.10			
			Pdh	kW	11.8		13.5			
			PERd	%	85.2		84.0			
			TOL	°C	-22					
			WTOL	°C	35					
		G Condition (-15°CDB/-)	COPd		2.67		2.43		2.40	
			Pdh	kW	12.1		13.4		14.6	
			PERd	%	106.8		97.2		96.0	
		Tbiv (bivalent temperature)	COPd		2.49		2.36		2.40	
			Pdh	kW	13.1		13.7		14.6	
			PERd	%	99.6		94.4		96.0	
			Tbiv	°C	-18		-16		-15	
		Rated heat output supplementary capacity	Psup (at Tdesign -22°C)	kW	2.7		2.5		4.5	

2 Specifications

CONNECTABLE INDOOR UNITS					EAVX16S18D6V/ EPGA11DV	EAVX16S23D6V/ EPGA11DV	EAVX16S18D6V/ EPGA14DV	EAVX16S23D6V/ EPGA14DV	EAVX16S18D6V/ EPGA16DV	EAVX16S23D6V/ EPGA16DV
2-1 Capacity and Power input										
Space heating	Warm climate water outlet 35°C	General	Annual energy consumption	kWh	2,403		2,687		3,044	
			ηs (Seasonal space heating efficiency)	%	242		246		243	
			Prated at 2°C	kW	11		13		14	
		B Condition (2°CDB/1°CWB)	Cdh (Degradation heating)		1.0					
			COPd		3.40		3.25		3.22	
			Pdh	kW	11.1		12.4		12.7	
			PERd	%	136.0		130.0		128.8	
		C Condition (7°CDB/6°CWB)	Cdh (Degradation heating)		1.0					
			COPd		5.67		5.70		5.73	
			Pdh	kW	7.6		8.4		9.3	
			PERd	%	226.8		228.0		229.2	
		Tbiv (bivalent temperature)	COPd		3.40		3.25		3.44	
			Pdh	kW	11.1		12.4		12.2	
			PERd	%	136.0		130.0		137.6	
			Tbiv	°C	2				4	
		D Condition (12°CDB/ 11°CWB)	Cdh (Degradation heating)		0.94					
			COPd		7.60		7.78		8.03	
			Pdh	kW	5.2		5.3			
			PERd	%	304.0		311.2		321.2	
Space heating general	Air to water unit	Rated airflow (outdoor)		m³/h	6,900				8,100	
	Other	Capacity control			Inverter					
		Pck (Crankcase heater mode)		kW	0.000					
		Poff (Off mode)		kW	0.021					
		Psb (Standby mode)		kW	0.021					
		Pto (Thermostat off)		kW	0.041					
	Integrated supplementary heater	Psup		kW	6.0					
		Type of energy input			Electrical					
Domestic hot water heating	General	Declared load profile			L	XL	L	XL	L	XL
		Function to fix water heating during off peak hours			No					
	Average climate	AEC (Annual electricity consumption)		kWh	1,029	1,517	1,029	1,517	1,029	1,517
		ηwh (water heating efficiency)		%	104	111	104	111	104	111
		Qelec (Daily electricity consumption)		kWh	4.870	7.110	4.870	7.110	4.870	7.110
		Water heating energy efficiency class			A					
	Cold climate	AEC (Annual electricity consumption)		kWh	1,066	1,855	1,066	1,855	1,066	1,855
		ηwh (water heating efficiency)		%	100	91	100	91	100	91
		Qelec (Daily electricity consumption)		kWh	5.195	8.880	5.195	8.880	5.195	8.880
	Warm climate	AEC (Annual electricity consumption)		kWh	749	1,304	749	1,304	749	1,304
		ηwh (water heating efficiency)		%	142	129	142	129	142	129
		Qelec (Daily electricity consumption)		kWh	3.590	6.190	3.590	6.190	3.590	6.190
Heating capacity	Nom.			kW	11.1 (1) / 11.3 (2)		14.5 (1) / 14.5 (2)		16.5 (1) / 15.6 (2)	
Cooling capacity	Nom.			kW	10.5 (1) / 10.7 (2)		11.1 (1) / 11.9 (2)		13.5 (1) / 11.9 (2)	
Power input	Heating	Nom.		kW	2.16 (1) / 2.91 (2)		2.91 (1) / 3.96 (2)		3.45 (1) / 4.21 (2)	
	Cooling	Nom.		kW	2.21 (1) / 3.30 (2)		2.72 (1) / 3.97 (2)		3.42 (1) / 3.97 (2)	
	Domestic hot water from 10°C to 50°C	Nom.		kWh	2.67	3.08	2.67	3.08	2.67	3.08
COP					5.15 (1) / 3.88 (2)		4.99 (1) / 3.65 (2)		4.78 (1) / 3.71 (2)	
EER					4.75 (1) / 3.23 (2)		4.09 (1) / 2.99 (2)		3.94 (1) / 2.99 (2)	
Pump	Type				Grundfos UPMXL GEO 25-125 130 PWM					
	Nominal ESP unit	Cooling		kPa	81.7 (1) / 81.5 (2)		75.8 (1) / 69.7 (2)		61.5 (1) / 69.7 (2)	
		Heating		kPa	78.6 (1) / 78.9 (2)		53.8 (1) / 52.7 (2)		40.6 (1) / 42.0 (2)	
Water side Heat exchanger	Water flow rate	Cooling	Nom.	l/min	31.3 (1) / 31.3 (2)		33.6 (1) / 35.9 (2)		38.7 (1) / 35.9 (2)	
		Heating	Nom.	l/min	32.5 (1) / 32.4 (2)		41.2 (1) / 41.5 (2)		45.1 (1) / 44.7 (2)	

2 Specifications

CONNECTABLE INDOOR UNITS											
2-1 Capacity and Power input				EAVX16S18D6V/ EPGA11DV	EAVX16S23D6V/ EPGA11DV	EAVX16S18D6V/ EPGA14DV	EAVX16S23D6V/ EPGA14DV	EAVX16S18D6V/ EPGA16DV	EAVX16S23D6V/ EPGA16DV
General	Supplier/ Manufacturer details	Name and address		Daikin Europe N.V. - Zandvoordestraat 300, 8400 Oostende, Belgium					
		Name or trademark		Daikin Europe N.V.					
	Product description	Air-to-water heat pump		Yes					
		Brine-to-water heat pump		No					
		Heat pump combination heater		Yes					
		Low-temperature heat pump		No					
		Supplementary heater integrated		Yes					
		Water-to-water heat pump		No					
	LW(A) Sound power level (according to EN14825)	Indoor	dB(A)	44.0					
LW(A) Sound power level (according to EN14825)	Outdoor		dB(A)	64.0				66.0	
Sound condition Ecodesign and energy label				Sound power in heating mode, measured according to the EN12102 under conditions of the EN14825					
Heat up time from 10°C to 50°C			hr	53min at 7°C ambient temperature	1h02min at 7°C ambient temperature	53min at 7°C ambient temperature	1h02min at 7°C ambient temperature	53min at 7°C ambient temperature	1h02min at 7°C ambient temperature

Notes

(1) Condition 1: cooling Ta 35°C - LWE 18°C (DT = 5°C); heating Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C)

(2) Condition 2: cooling Ta 35°C - LWE 7°C (DT = 5°C); heating Ta DB/WB 7°C/6°C - LWC 45°C (DT = 5°C)

2 Specifications

CONNECTABLE INDOOR UNITS											
2-1 Capacity and Power input					EAVX16S18D6VG/ EPGA11DV	EAVX16S23D6VG/ EPGA11DV	EAVX16S18D6VG/ EPGA14DV	EAVX16S23D6VG/ EPGA14DV	EAVX16S18D6VG/ EPGA16DV	EAVX16S23D6VG/ EPGA16DV
Indoor unit					EAVX16S18DA6V	EAVX16S23DA6V	EAVX16S18DA6V	EAVX16S23DA6V	EAVX16S18DA6V	EAVX16S23DA6V
Outdoor unit					EPGA11DAV3		EPGA14DAV3		EPGA16DAV3	
Space heating	Average climate water outlet 55°C	General	Annual energy consumption	kWh	7,768		8,592		9,628	
			ηs (Seasonal space heating efficiency)	%	130		132		134	
			Prated at -10°C	kW	13		14		16	
			SCOP		3.32		3.37		3.43	
			Seasonal space heating eff. class		A++					
		A Condition (-7°CDB/-8°CWB)	Cdh (Degradation heating)		1.0					
			COPd		2.25		2.17		2.23	
			Pdh	kW	11.5		12.3		13.1	
			PERd	%	90.0		86.8		89.2	
		B Condition (2°CDB/1°CWB)	Cdh (Degradation heating)		1.0					
			COPd		3.14		3.18		3.26	
			Pdh	kW	6.5		8.1		8.7	
			PERd	%	125.6		127.2		130.4	
		C Condition (7°CDB/6°CWB)	Cdh (Degradation heating)		0.96		1.0			
			COPd		4.27		4.46		4.62	
			Pdh	kW	4.6		5.0		5.8	
			PERd	%	170.8		178.4		184.8	
		D Condition (12°CDB/ 11°CWB)	Cdh (Degradation heating)		0.95					
			COPd		5.75		5.94		6.47	
			Pdh	kW	5.2					
			PERd	%	230.0		237.6		258.8	
		Tol (temperature operating limit)	COPd		2.11		2.10		2.05	
			Pdh	kW	12.5		13.5		13.2	
			PERd	%	84.4		84.0		82.0	
			TOL	°C	-10					
			WTOL	°C	55					
		Rated heat output supplementary capacity	Psup (at Tdesign -10°C)	kW	0.0		0.5		2.8	
		Tbiv (bivalent temperature)	COPd		2.11		2.17		2.40	
			Pdh	kW	12.5		12.3		12.9	
			PERd	%	84.4		86.8		96.0	
			Tbiv	°C	-10		-7		-5	

2 Specifications

CONNECTABLE INDOOR UNITS											
2-1 Capacity and Power input					EAVX16S18D6VG/ EPGA11DV	EAVX16S23D6VG/ EPGA11DV	EAVX16S18D6VG/ EPGA14DV	EAVX16S23D6VG/ EPGA14DV	EAVX16S18D6VG/ EPGA16DV	EAVX16S23D6VG/ EPGA16DV
Space heating	Cold climate water outlet 55°C	General	Annual energy consumption	kWh	10,038		11,339		12,249	
			ηs (Seasonal space heating efficiency)	%	125		123		121	
			Prated at -22°C	kW	13		15			
		A Condition (-7°CDB/-8°CWB)	Cdh (Degradation heating)		1.0					
			COPd		2.68		2.61		2.58	
			Pdh	kW	8.3		8.8		9.4	
			PERd	%	107.2		104.4		103.2	
		B Condition (2°CDB/1°CWB)	Cdh (Degradation heating)		1.0					
			COPd		3.75				3.66	
			Pdh	kW	5.1		5.5		5.9	
			PERd	%	150.0				146.4	
		C Condition (7°CDB/6°CWB)	Cdh (Degradation heating)		0.96					
			COPd		4.63		4.70		4.75	
			Pdh	kW	4.5					
			PERd	%	185.2		188.0		190.0	
		D Condition (12°CDB/ 11°CWB)	COPd		6.01		6.13		6.21	
			Pdh	kW	5.2				5.1	
			PERd	%	240.4		245.2		248.4	
		Tol (temperature operating limit)	COPd		1.34					
			Pdh	kW	7.5					
			PERd	%	53.6					
			TOL	°C	-21					
			WTOL	°C	54					
		G Condition (-15°CDB/-)	COPd		2.10		2.12		2.13	
			Pdh	kW	11.1		11.9		12.6	
			PERd	%	84.0		84.8		85.2	
		Tbiv (bivalent temperature)	COPd		1.93		2.05		2.13	
			Pdh	kW	11.4		12.4		12.6	
			PERd	%	77.2		82.0		85.2	
			Tbiv	°C	-18		-16		-15	
		Rated heat output supplementary capacity	Psup (at Tdesign -22°C)	kW	5.5		7.0		7.9	
	Warm climate water outlet 55°C	General	Annual energy consumption	kWh	3,603		4,012		4,270	
			ηs (Seasonal space heating efficiency)	%	160		164		166	
			Prated at 2°C	kW	11		13		14	
		B Condition (2°CDB/1°CWB)	Cdh (Degradation heating)		1.0					
			COPd		2.45		2.43		2.41	
			Pdh	kW	11.4		12.4		13.5	
			PERd	%	98.0		97.2		96.4	
		C Condition (7°CDB/6°CWB)	Cdh (Degradation heating)		1.0					
			COPd		3.58		3.62		3.66	
			Pdh	kW	7.2		7.9		8.7	
			PERd	%	143.2		144.8		146.4	
		D Condition (12°CDB/ 11°CWB)	Cdh (Degradation heating)		0.96					
			COPd		5.16		5.29		5.38	
			Pdh	kW	5.3		5.2			
			PERd	%	206.4		211.6		215.2	
		Tbiv (bivalent temperature)	COPd		2.45		2.43		2.41	
			Pdh	kW	11.4		12.4		13.5	
			PERd	%	98.0		97.2		96.4	
			Tbiv	°C	2					

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CONNECTABLE INDOOR UNITS											
2-1 Capacity and Power input					EAVX16S18D6VG/ EPGA11DV	EAVX16S23D6VG/ EPGA11DV	EAVX16S18D6VG/ EPGA14DV	EAVX16S23D6VG/ EPGA14DV	EAVX16S18D6VG/ EPGA16DV	EAVX16S23D6VG/ EPGA16DV
Space heating	Average climate water outlet 35°C	General	SCOP		4.44		4.51		4.61	
			Annual energy consumption	kWh	5,112		5,720		6,267	
			ηs (Seasonal space heating efficiency)	%	175		178		182	
			Prated at -10°C	kW	11		13		14	
			Seasonal space heating eff. class		A+++					
		A Condition (-7°CDB/-8°CWB)	COPd		3.07		2.85		2.99	
			Pdh	kW	9.7		11.1		12.2	
			PERd	%	122.8		114.0		119.6	
		B Condition (2°CDB/1°CWB)	Cdh (Degradation heating)		1.0					
			COPd		4.15		4.24		4.30	
			Pdh	kW	6.3		7.0		7.4	
			PERd	%	166.0		169.6		172.0	
		C Condition (7°CDB/6°CWB)	Cdh (Degradation heating)		0.95		1.0		0.95	
			COPd		5.86		6.24		6.35	
			Pdh	kW	4.5				5.0	
			PERd	%	234.4		249.6		254.0	
		D Condition (12°CDB/ 11°CWB)	Cdh (Degradation heating)		0.94					
			COPd		7.88		8.12			
			Pdh	kW	5.3					
			PERd	%	315.2		324.8			
		Tol (temperature operating limit)	COPd		2.80		2.53		2.72	
			Pdh	kW	11.0		12.5		14.5	
			PERd	%	112.0		101.2		108.8	
			TOL	°C	-10					
			WTOL	°C	35					
		Tbiv (bivalent temperature)	COPd		2.80		2.53		2.72	
			Pdh	kW	11.0		12.5		14.5	
			PERd	%	112.0		101.2		108.8	
			Tbiv	°C	-10					
		Rated heat output supplementary capacity	Psup (at Tdesign -10°C)	kW	0.0					

2 Specifications

CONNECTABLE INDOOR UNITS											
2-1 Capacity and Power input					EAVX16S18D6VG/ EPGA11DV	EAVX16S23D6VG/ EPGA11DV	EAVX16S18D6VG/ EPGA14DV	EAVX16S23D6VG/ EPGA14DV	EAVX16S18D6VG/ EPGA16DV	EAVX16S23D6VG/ EPGA16DV
Space heating	Cold climate water outlet 35°C	General	Annual energy consumption	kWh	9,249		10,202		11,061	
			ηs (Seasonal space heating efficiency)	%	152				157	
			Prated at -22°C	kW	15		16		18	
			Qhe Annual energy consumption (GCV)	Gj	33.3		36.7		39.8	
		A Condition (-7°CDB/-8°CWB)	COPd		3.09		3.20		3.39	
			Pdh	kW	9.0		9.7		10.8	
			PERd	%	123.6		128.0		135.6	
		B Condition (2°CDB/1°CWB)	Cdh (Degradation heating)		1.0				0.97	
			COPd		4.45				4.68	
			Pdh	kW	5.6				7.1	
			PERd	%	178.0				187.2	
		C Condition (7°CDB/6°CWB)	Cdh (Degradation heating)		0.94					
			COPd		6.24		6.46		6.75	
			Pdh	kW	4.5				4.6	
			PERd	%	249.6		258.4		270.0	
		D Condition (12°CDB/ 11°CWB)	Cdh (Degradation heating)		0.94					
			COPd		7.84		7.98		8.19	
			Pdh	kW	5.2		5.3			
			PERd	%	313.6		319.2		327.6	
		Tol (temperature operating limit)	COPd		2.13		2.10			
			Pdh	kW	11.8		13.5			
			PERd	%	85.2		84.0			
			TOL	°C	-22					
			WTOL	°C	35					
		G Condition (-15°CDB/-)	COPd		2.67		2.43		2.40	
			Pdh	kW	12.1		13.4		14.6	
			PERd	%	106.8		97.2		96.0	
		Tbiv (bivalent temperature)	COPd		2.49		2.36		2.40	
			Pdh	kW	13.1		13.7		14.6	
			PERd	%	99.6		94.4		96.0	
			Tbiv	°C	-18		-16		-15	
		Rated heat output supplementary capacity	Psup (at Tdesign -22°C)	kW	2.7		2.5		4.5	

2 Specifications

CONNECTABLE INDOOR UNITS					EAVX16S18D6VG/ EPGA11DV	EAVX16S23D6VG/ EPGA11DV	EAVX16S18D6VG/ EPGA14DV	EAVX16S23D6VG/ EPGA14DV	EAVX16S18D6VG/ EPGA16DV	EAVX16S23D6VG/ EPGA16DV
2-1 Capacity and Power input										
Space heating	Warm climate water outlet 35°C	General	Annual energy consumption	kWh	2,403		2,687		3,044	
			ηs (Seasonal space heating efficiency)	%	242		246		243	
			Prated at 2°C	kW	11		13		14	
		B Condition (2°CDB/1°CWB)	Cdh (Degradation heating)		1.0					
			COPd		3.40		3.25		3.22	
			Pdh	kW	11.1		12.4		12.7	
			PERd	%	136.0		130.0		128.8	
		C Condition (7°CDB/6°CWB)	Cdh (Degradation heating)		1.0					
			COPd		5.67		5.70		5.73	
			Pdh	kW	7.6		8.4		9.3	
			PERd	%	226.8		228.0		229.2	
		Tbiv (bivalent temperature)	COPd		3.40		3.25		3.44	
			Pdh	kW	11.1		12.4		12.2	
			PERd	%	136.0		130.0		137.6	
			Tbiv	°C	2				4	
		D Condition (12°CDB/ 11°CWB)	Cdh (Degradation heating)		0.94					
			COPd		7.60		7.78		8.03	
			Pdh	kW	5.2		5.3			
			PERd	%	304.0		311.2		321.2	
Space heating general	Air to water unit	Rated airflow (outdoor)		m³/h	6,900				8,100	
	Other	Capacity control			Inverter					
		Pck (Crankcase heater mode)		kW	0.000					
		Poff (Off mode)		kW	0.021					
		Psb (Standby mode)		kW	0.021					
		Pto (Thermostat off)		kW	0.041					
	Integrated supplementary heater	Psup		kW	6.0					
		Type of energy input			Electrical					
Domestic hot water heating	General	Declared load profile			L	XL	L	XL	L	XL
		Function to fix water heating during off peak hours			No					
	Average climate	AEC (Annual electricity consumption)		kWh	1,029	1,517	1,029	1,517	1,029	1,517
		ηwh (water heating efficiency)		%	104	111	104	111	104	111
		Qelec (Daily electricity consumption)		kWh	4.870	7.110	4.870	7.110	4.870	7.110
		Water heating energy efficiency class			A					
	Cold climate	AEC (Annual electricity consumption)		kWh	1,066	1,855	1,066	1,855	1,066	1,855
		ηwh (water heating efficiency)		%	100	91	100	91	100	91
		Qelec (Daily electricity consumption)		kWh	5.195	8.880	5.195	8.880	5.195	8.880
	Warm climate	AEC (Annual electricity consumption)		kWh	749	1,304	749	1,304	749	1,304
		ηwh (water heating efficiency)		%	142	129	142	129	142	129
		Qelec (Daily electricity consumption)		kWh	3.590	6.190	3.590	6.190	3.590	6.190
Heating capacity	Nom.			kW	11.1 (1) / 11.3 (2)		14.5 (1) / 14.5 (2)		16.5 (1) / 15.6 (2)	
Cooling capacity	Nom.			kW	10.5 (1) / 10.7 (2)		11.1 (1) / 11.9 (2)		13.5 (1) / 11.9 (2)	
Power input	Heating	Nom.		kW	2.16 (1) / 2.91 (2)		2.91 (1) / 3.96 (2)		3.45 (1) / 4.21 (2)	
	Cooling	Nom.		kW	2.21 (1) / 3.30 (2)		2.72 (1) / 3.97 (2)		3.42 (1) / 3.97 (2)	
	Domestic hot water from 10°C to 50°C	Nom.		kWh	2.67	3.08	2.67	3.08	2.67	3.08
COP					5.15 (1) / 3.88 (2)		4.99 (1) / 3.65 (2)		4.78 (1) / 3.71 (2)	
EER					4.75 (1) / 3.23 (2)		4.09 (1) / 2.99 (2)		3.94 (1) / 2.99 (2)	
Pump	Type				Grundfos UPMXL GEO 25-125 130 PWM					
	Nominal ESP unit	Cooling		kPa	81.7 (1) / 81.5 (2)		75.8 (1) / 69.7 (2)		61.5 (1) / 69.7 (2)	
		Heating		kPa	78.6 (1) / 78.9 (2)		53.8 (1) / 52.7 (2)		40.6 (1) / 42.0 (2)	
Water side Heat exchanger	Water flow rate	Cooling	Nom.	l/min	31.3 (1) / 31.3 (2)		33.6 (1) / 35.9 (2)		38.7 (1) / 35.9 (2)	
		Heating	Nom.	l/min	32.5 (1) / 32.4 (2)		41.2 (1) / 41.5 (2)		45.1 (1) / 44.7 (2)	

2 Specifications

CONNECTABLE INDOOR UNITS											
2-1 Capacity and Power input				EAVX16S18D6VG/ EPGA11DV	EAVX16S23D6VG/ EPGA11DV	EAVX16S18D6VG/ EPGA14DV	EAVX16S23D6VG/ EPGA14DV	EAVX16S18D6VG/ EPGA16DV	EAVX16S23D6VG/ EPGA16DV
General	Supplier/ Manufacturer details	Name and address		Daikin Europe N.V. - Zandvoordestraat 300, 8400 Oostende, Belgium					
		Name or trademark		Daikin Europe N.V.					
	Product description	Air-to-water heat pump		Yes					
		Brine-to-water heat pump		No					
		Heat pump combination heater		Yes					
		Low-temperature heat pump		No					
		Supplementary heater integrated		Yes					
		Water-to-water heat pump		No					
	LW(A) Sound power level (according to EN14825)	Indoor	dB(A)	44.0					
LW(A) Sound power level (according to EN14825)	Outdoor		dB(A)	64.0				66.0	
Sound condition Ecodesign and energy label				Sound power in heating mode, measured according to the EN12102 under conditions of the EN14825					
Heat up time from 10°C to 50°C			hr	53min at 7°C ambient temperature	1h02min at 7°C ambient temperature	53min at 7°C ambient temperature	1h02min at 7°C ambient temperature	53min at 7°C ambient temperature	1h02min at 7°C ambient temperature

Notes

(1) Condition 1: cooling Ta 35°C - LWE 18°C (DT = 5°C); heating Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C)

(2) Condition 2: cooling Ta 35°C - LWE 7°C (DT = 5°C); heating Ta DB/WB 7°C/6°C - LWC 45°C (DT = 5°C)

2 Specifications

CONNECTABLE INDOOR UNITS											
2-1 Capacity and Power input					EAVX16S18D9W/ EPGA11DV	EAVX16S23D9W/ EPGA11DV	EAVX16S18D9W/ EPGA14DV	EAVX16S23D9W/ EPGA14DV	EAVX16S18D9W/ EPGA16DV	EAVX16S23D9W/ EPGA16DV
Indoor unit					EAVX16S18DA9W	EAVX16S23DA9W	EAVX16S18DA9W	EAVX16S23DA9W	EAVX16S18DA9W	EAVX16S23DA9W
Outdoor unit					EPGA11DAV3		EPGA14DAV3		EPGA16DAV3	
Space heating	Average climate water outlet 55°C	General	Annual energy consumption	kWh	7,768		8,592		9,628	
			ηs (Seasonal space heating efficiency)	%	130		132		134	
			Prated at -10°C	kW	13		14		16	
			SCOP		3.32		3.37		3.43	
			Seasonal space heating eff. class		A++					
		A Condition (-7°CDB/-8°CWB)	Cdh (Degradation heating)		1.0					
			COPd		2.25		2.17		2.23	
			Pdh	kW	11.5		12.3		13.1	
			PERd	%	90.0		86.8		89.2	
		B Condition (2°CDB/1°CWB)	Cdh (Degradation heating)		1.0					
			COPd		3.14		3.18		3.26	
			Pdh	kW	6.5		8.1		8.7	
			PERd	%	125.6		127.2		130.4	
		C Condition (7°CDB/6°CWB)	Cdh (Degradation heating)		0.96		1.0			
			COPd		4.27		4.46		4.62	
			Pdh	kW	4.6		5.0		5.8	
			PERd	%	170.8		178.4		184.8	
		D Condition (12°CDB/ 11°CWB)	Cdh (Degradation heating)		0.95					
			COPd		5.75		5.94		6.47	
			Pdh	kW	5.2					
			PERd	%	230.0		237.6		258.8	
		Tol (temperature operating limit)	COPd		2.11		2.10		2.05	
			Pdh	kW	12.5		13.5		13.2	
			PERd	%	84.4		84.0		82.0	
			TOL	°C	-10					
			WTOL	°C	55					
		Rated heat output supplementary capacity	Psup (at Tdesign -10°C)	kW	0.0		0.5		2.8	
		Tbiv (bivalent temperature)	COPd		2.11		2.17		2.40	
			Pdh	kW	12.5		12.3		12.9	
			PERd	%	84.4		86.8		96.0	
			Tbiv	°C	-10		-7		-5	

2 Specifications

CONNECTABLE INDOOR UNITS											
2-1 Capacity and Power input					EAVX16S18D9W/ EPGA11DV	EAVX16S23D9W/ EPGA11DV	EAVX16S18D9W/ EPGA14DV	EAVX16S23D9W/ EPGA14DV	EAVX16S18D9W/ EPGA16DV	EAVX16S23D9W/ EPGA16DV
Space heating	Cold climate water outlet 55°C	General	Annual energy consumption	kWh	10,038		11,339		12,249	
			ηs (Seasonal space heating efficiency)	%	125		123		121	
			Prated at -22°C	kW	13		15			
		A Condition (-7°CDB/-8°CWB)	Cdh (Degradation heating)		1.0					
			COPd		2.68		2.61		2.58	
			Pdh	kW	8.3		8.8		9.4	
			PERd	%	107.2		104.4		103.2	
		B Condition (2°CDB/1°CWB)	Cdh (Degradation heating)		1.0					
			COPd		3.75				3.66	
			Pdh	kW	5.1		5.5		5.9	
			PERd	%	150.0				146.4	
		C Condition (7°CDB/6°CWB)	Cdh (Degradation heating)		0.96					
			COPd		4.63		4.70		4.75	
			Pdh	kW	4.5					
			PERd	%	185.2		188.0		190.0	
		D Condition (12°CDB/ 11°CWB)	COPd		6.01		6.13		6.21	
			Pdh	kW	5.2				5.1	
			PERd	%	240.4		245.2		248.4	
		Tol (temperature operating limit)	COPd		1.34					
			Pdh	kW	7.5					
			PERd	%	53.6					
			TOL	°C	-21					
			WTOL	°C	54					
		G Condition (-15°CDB/-)	COPd		2.10		2.12		2.13	
			Pdh	kW	11.1		11.9		12.6	
			PERd	%	84.0		84.8		85.2	
		Tbiv (bivalent temperature)	COPd		1.93		2.05		2.13	
			Pdh	kW	11.4		12.4		12.6	
			PERd	%	77.2		82.0		85.2	
			Tbiv	°C	-18		-16		-15	
		Rated heat output supplementary capacity	Psup (at Tdesign -22°C)	kW	5.5		7.0		7.9	
	Warm climate water outlet 55°C	General	Annual energy consumption	kWh	3,603		4,012		4,270	
			ηs (Seasonal space heating efficiency)	%	160		164		166	
			Prated at 2°C	kW	11		13		14	
		B Condition (2°CDB/1°CWB)	Cdh (Degradation heating)		1.0					
			COPd		2.45		2.43		2.41	
			Pdh	kW	11.4		12.4		13.5	
			PERd	%	98.0		97.2		96.4	
		C Condition (7°CDB/6°CWB)	Cdh (Degradation heating)		1.0					
			COPd		3.58		3.62		3.66	
			Pdh	kW	7.2		7.9		8.7	
			PERd	%	143.2		144.8		146.4	
		D Condition (12°CDB/ 11°CWB)	Cdh (Degradation heating)		0.96					
			COPd		5.16		5.29		5.38	
			Pdh	kW	5.3		5.2			
			PERd	%	206.4		211.6		215.2	
		Tbiv (bivalent temperature)	COPd		2.45		2.43		2.41	
			Pdh	kW	11.4		12.4		13.5	
			PERd	%	98.0		97.2		96.4	
			Tbiv	°C	2					

2 Specifications

CONNECTABLE INDOOR UNITS											
2-1 Capacity and Power input					EAVX16S18D9W/ EPGA11DV	EAVX16S23D9W/ EPGA11DV	EAVX16S18D9W/ EPGA14DV	EAVX16S23D9W/ EPGA14DV	EAVX16S18D9W/ EPGA16DV	EAVX16S23D9W/ EPGA16DV
Space heating	Average climate water outlet 35°C	General	SCOP		4.44		4.51		4.61	
			Annual energy consumption	kWh	5,112		5,720		6,267	
			ηs (Seasonal space heating efficiency)	%	175		178		182	
			Prated at -10°C	kW	11		13		14	
			Seasonal space heating eff. class		A+++					
		A Condition (-7°CDB/-8°CWB)	COPd		3.07		2.85		2.99	
			Pdh	kW	9.7		11.1		12.2	
			PERd	%	122.8		114.0		119.6	
		B Condition (2°CDB/1°CWB)	Cdh (Degradation heating)		1.0					
			COPd		4.15		4.24		4.30	
			Pdh	kW	6.3		7.0		7.4	
			PERd	%	166.0		169.6		172.0	
		C Condition (7°CDB/6°CWB)	Cdh (Degradation heating)		0.95		1.0		0.95	
			COPd		5.86		6.24		6.35	
			Pdh	kW	4.5				5.0	
			PERd	%	234.4		249.6		254.0	
		D Condition (12°CDB/ 11°CWB)	Cdh (Degradation heating)		0.94					
			COPd		7.88		8.12			
			Pdh	kW	5.3					
			PERd	%	315.2		324.8			
		Tol (temperature operating limit)	COPd		2.80		2.53		2.72	
			Pdh	kW	11.0		12.5		14.5	
			PERd	%	112.0		101.2		108.8	
			TOL	°C	-10					
			WTOL	°C	35					
		Tbiv (bivalent temperature)	COPd		2.80		2.53		2.72	
			Pdh	kW	11.0		12.5		14.5	
			PERd	%	112.0		101.2		108.8	
			Tbiv	°C	-10					
		Rated heat output supplementary capacity	Psup (at Tdesign -10°C)	kW	0.0					

2 Specifications

CONNECTABLE INDOOR UNITS											
2-1 Capacity and Power input					EAVX16S18D9W/ EPGA11DV	EAVX16S23D9W/ EPGA11DV	EAVX16S18D9W/ EPGA14DV	EAVX16S23D9W/ EPGA14DV	EAVX16S18D9W/ EPGA16DV	EAVX16S23D9W/ EPGA16DV
Space heating	Cold climate water outlet 35°C	General	Annual energy consumption	kWh	9,249		10,202		11,061	
			ηs (Seasonal space heating efficiency)	%	152				157	
			Prated at -22°C	kW	15		16		18	
			Qhe Annual energy consumption (GCV)	Gj	33.3		36.7		39.8	
		A Condition (-7°CDB/-8°CWB)	COPd		3.09		3.20		3.39	
			Pdh	kW	9.0		9.7		10.8	
			PERd	%	123.6		128.0		135.6	
		B Condition (2°CDB/1°CWB)	Cdh (Degradation heating)		1.0				0.97	
			COPd		4.45				4.68	
			Pdh	kW	5.6				7.1	
			PERd	%	178.0				187.2	
		C Condition (7°CDB/6°CWB)	Cdh (Degradation heating)		0.94					
			COPd		6.24		6.46		6.75	
			Pdh	kW	4.5				4.6	
			PERd	%	249.6		258.4		270.0	
		D Condition (12°CDB/ 11°CWB)	Cdh (Degradation heating)		0.94					
			COPd		7.84		7.98		8.19	
			Pdh	kW	5.2		5.3			
			PERd	%	313.6		319.2		327.6	
		Tol (temperature operating limit)	COPd		2.13		2.10			
			Pdh	kW	11.8		13.5			
			PERd	%	85.2		84.0			
			TOL	°C	-22					
			WTOL	°C	35					
		G Condition (-15°CDB/-)	COPd		2.67		2.43		2.40	
			Pdh	kW	12.1		13.4		14.6	
			PERd	%	106.8		97.2		96.0	
		Tbiv (bivalent temperature)	COPd		2.49		2.36		2.40	
			Pdh	kW	13.1		13.7		14.6	
			PERd	%	99.6		94.4		96.0	
			Tbiv	°C	-18		-16		-15	
		Rated heat output supplementary capacity	Psup (at Tdesign -22°C)	kW	2.7		2.5		4.5	

2 Specifications

CONNECTABLE INDOOR UNITS					EAVX16S18D9W/ EPGA11DV	EAVX16S23D9W/ EPGA11DV	EAVX16S18D9W/ EPGA14DV	EAVX16S23D9W/ EPGA14DV	EAVX16S18D9W/ EPGA16DV	EAVX16S23D9W/ EPGA16DV
2-1 Capacity and Power input										
Space heating	Warm climate water outlet 35°C	General	Annual energy consumption	kWh	2,403		2,687		3,044	
			ηs (Seasonal space heating efficiency)	%	242		246		243	
			Prated at 2°C	kW	11		13		14	
		B Condition (2°CDB/1°CWB)	Cdh (Degradation heating)		1.0					
			COPd		3.40		3.25		3.22	
			Pdh	kW	11.1		12.4		12.7	
			PERd	%	136.0		130.0		128.8	
		C Condition (7°CDB/6°CWB)	Cdh (Degradation heating)		1.0					
			COPd		5.67		5.70		5.73	
			Pdh	kW	7.6		8.4		9.3	
			PERd	%	226.8		228.0		229.2	
		Tbiv (bivalent temperature)	COPd		3.40		3.25		3.44	
			Pdh	kW	11.1		12.4		12.2	
			PERd	%	136.0		130.0		137.6	
			Tbiv	°C	2				4	
		D Condition (12°CDB/ 11°CWB)	Cdh (Degradation heating)		0.94					
			COPd		7.60		7.78		8.03	
			Pdh	kW	5.2		5.3			
			PERd	%	304.0		311.2		321.2	
Space heating general	Air to water unit	Rated airflow (outdoor)		m³/h	6,900				8,100	
	Other	Capacity control			Inverter					
		Pck (Crankcase heater mode)		kW	0.000					
		Poff (Off mode)		kW	0.021					
		Psb (Standby mode)		kW	0.021					
		Pto (Thermostat off)		kW	0.041					
	Integrated supplementary heater	Psup		kW	9.0					
		Type of energy input			Electrical					
Domestic hot water heating	General	Declared load profile			L	XL	L	XL	L	XL
		Function to fix water heating during off peak hours			No					
	Average climate	AEC (Annual electricity consumption)		kWh	1,029	1,517	1,029	1,517	1,029	1,517
		ηwh (water heating efficiency)		%	104	111	104	111	104	111
		Qelec (Daily electricity consumption)		kWh	4.870	7.110	4.870	7.110	4.870	7.110
		Water heating energy efficiency class			A					
	Cold climate	AEC (Annual electricity consumption)		kWh	1,066	1,855	1,066	1,855	1,066	1,855
		ηwh (water heating efficiency)		%	100	91	100	91	100	91
		Qelec (Daily electricity consumption)		kWh	5.195	8.880	5.195	8.880	5.195	8.880
	Warm climate	AEC (Annual electricity consumption)		kWh	749	1,304	749	1,304	749	1,304
		ηwh (water heating efficiency)		%	142	129	142	129	142	129
		Qelec (Daily electricity consumption)		kWh	3.590	6.190	3.590	6.190	3.590	6.190
Heating capacity	Nom.			kW	11.1 (1) / 11.3 (2)		14.5 (1) / 14.5 (2)		16.5 (1) / 15.6 (2)	
Cooling capacity	Nom.			kW	10.5 (1) / 10.7 (2)		11.1 (1) / 11.9 (2)		13.5 (1) / 11.9 (2)	
Power input	Heating	Nom.		kW	2.16 (1) / 2.91 (2)		2.91 (1) / 3.96 (2)		3.45 (1) / 4.21 (2)	
	Cooling	Nom.		kW	2.21 (1) / 3.30 (2)		2.72 (1) / 3.97 (2)		3.42 (1) / 3.97 (2)	
	Domestic hot water from 10°C to 50°C	Nom.		kWh	2.67	3.08	2.67	3.08	2.67	3.08
COP					5.15 (1) / 3.88 (2)		4.99 (1) / 3.65 (2)		4.78 (1) / 3.71 (2)	
EER					4.75 (1) / 3.23 (2)		4.09 (1) / 2.99 (2)		3.94 (1) / 2.99 (2)	
Pump	Type				Grundfos UPMXL GEO 25-125 130 PWM					
	Nominal ESP unit	Cooling		kPa	81.7 (1) / 81.5 (2)		75.8 (1) / 69.7 (2)		61.5 (1) / 69.7 (2)	
		Heating		kPa	78.6 (1) / 78.9 (2)		53.8 (1) / 52.7 (2)		40.6 (1) / 42.0 (2)	
Water side Heat exchanger	Water flow rate	Cooling	Nom.	l/min	31.3 (1) / 31.3 (2)		33.6 (1) / 35.9 (2)		38.7 (1) / 35.9 (2)	
		Heating	Nom.	l/min	32.5 (1) / 32.4 (2)		41.2 (1) / 41.5 (2)		45.1 (1) / 44.7 (2)	

2 Specifications

CONNECTABLE INDOOR UNITS											
2-1 Capacity and Power input				EAVX16S18D9W/ EPGA11DV	EAVX16S23D9W/ EPGA11DV	EAVX16S18D9W/ EPGA14DV	EAVX16S23D9W/ EPGA14DV	EAVX16S18D9W/ EPGA16DV	EAVX16S23D9W/ EPGA16DV
General	Supplier/ Manufacturer details	Name and address		Daikin Europe N.V. - Zandvoordestraat 300, 8400 Oostende, Belgium					
		Name or trademark		Daikin Europe N.V.					
	Product description	Air-to-water heat pump		Yes					
		Brine-to-water heat pump		No					
		Heat pump combination heater		Yes					
		Low-temperature heat pump		No					
		Supplementary heater integrated		Yes					
		Water-to-water heat pump		No					
	LW(A) Sound power level (according to EN14825)	Indoor	dB(A)	44.0					
LW(A) Sound power level (according to EN14825)	Outdoor		dB(A)	64.0				66.0	
Sound condition Ecodesign and energy label				Sound power in heating mode, measured according to the EN12102 under conditions of the EN14825					
Heat up time from 10°C to 50°C			hr	53min at 7°C ambient temperature	1h02min at 7°C ambient temperature	53min at 7°C ambient temperature	1h02min at 7°C ambient temperature	53min at 7°C ambient temperature	1h02min at 7°C ambient temperature

Notes

(1) Condition 1: cooling Ta 35°C - LWE 18°C (DT = 5°C); heating Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C)

(2) Condition 2: cooling Ta 35°C - LWE 7°C (DT = 5°C); heating Ta DB/WB 7°C/6°C - LWC 45°C (DT = 5°C)

2 Specifications

CONNECTABLE INDOOR UNITS											
2-1 Capacity and Power input					EAVX16S18D9WG/ EPGA11DV	EAVX16S23D9WG/ EPGA11DV	EAVX16S18D9WG/ EPGA14DV	EAVX16S23D9WG/ EPGA14DV	EAVX16S18D9WG/ EPGA16DV	EAVX16S23D9WG/ EPGA16DV
Indoor unit					EAVX16S18DA9W	EAVX16S23DA9W	EAVX16S18DA9W	EAVX16S23DA9W	EAVX16S18DA9W	EAVX16S23DA9W
Outdoor unit					EPGA11DAV3		EPGA14DAV3		EPGA16DAV3	
Space heating	Average climate water outlet 55°C	General	Annual energy consumption	kWh	7,768		8,592		9,628	
			ηs (Seasonal space heating efficiency)	%	130		132		134	
			Prated at -10°C	kW	13		14		16	
			SCOP		3.32		3.37		3.43	
			Seasonal space heating eff. class		A++					
		A Condition (-7°CDB/-8°CWB)	Cdh (Degradation heating)		1.0					
			COPd		2.25		2.17		2.23	
			Pdh	kW	11.5		12.3		13.1	
			PERd	%	90.0		86.8		89.2	
		B Condition (2°CDB/1°CWB)	Cdh (Degradation heating)		1.0					
			COPd		3.14		3.18		3.26	
			Pdh	kW	6.5		8.1		8.7	
			PERd	%	125.6		127.2		130.4	
		C Condition (7°CDB/6°CWB)	Cdh (Degradation heating)		0.96		1.0			
			COPd		4.27		4.46		4.62	
			Pdh	kW	4.6		5.0		5.8	
			PERd	%	170.8		178.4		184.8	
		D Condition (12°CDB/ 11°CWB)	Cdh (Degradation heating)		0.95					
			COPd		5.75		5.94		6.47	
			Pdh	kW	5.2					
			PERd	%	230.0		237.6		258.8	
		Tol (temperature operating limit)	COPd		2.11		2.10		2.05	
			Pdh	kW	12.5		13.5		13.2	
			PERd	%	84.4		84.0		82.0	
			TOL	°C	-10					
			WTOL	°C	55					
		Rated heat output supplementary capacity	Psup (at Tdesign -10°C)	kW	0.0		0.5		2.8	
		Tbiv (bivalent temperature)	COPd		2.11		2.17		2.40	
			Pdh	kW	12.5		12.3		12.9	
			PERd	%	84.4		86.8		96.0	
			Tbiv	°C	-10		-7		-5	

2 Specifications

CONNECTABLE INDOOR UNITS											
2-1 Capacity and Power input					EAVX16S18D9WG/ EPGA11DV	EAVX16S23D9WG/ EPGA11DV	EAVX16S18D9WG/ EPGA14DV	EAVX16S23D9WG/ EPGA14DV	EAVX16S18D9WG/ EPGA16DV	EAVX16S23D9WG/ EPGA16DV
Space heating	Cold climate water outlet 55°C	General	Annual energy consumption	kWh	10,038		11,339		12,249	
			ηs (Seasonal space heating efficiency)	%	125		123		121	
			Prated at -22°C	kW	13		15			
		A Condition (-7°CDB/-8°CWB)	Cdh (Degradation heating)		1.0					
			COPd		2.68		2.61		2.58	
			Pdh	kW	8.3		8.8		9.4	
			PERd	%	107.2		104.4		103.2	
		B Condition (2°CDB/1°CWB)	Cdh (Degradation heating)		1.0					
			COPd		3.75				3.66	
			Pdh	kW	5.1		5.5		5.9	
			PERd	%	150.0				146.4	
		C Condition (7°CDB/6°CWB)	Cdh (Degradation heating)		0.96					
			COPd		4.63		4.70		4.75	
			Pdh	kW	4.5					
			PERd	%	185.2		188.0		190.0	
		D Condition (12°CDB/ 11°CWB)	COPd		6.01		6.13		6.21	
			Pdh	kW	5.2				5.1	
			PERd	%	240.4		245.2		248.4	
		Tol (temperature operating limit)	COPd		1.34					
			Pdh	kW	7.5					
			PERd	%	53.6					
			TOL	°C	-21					
			WTOL	°C	54					
		G Condition (-15°CDB/-)	COPd		2.10		2.12		2.13	
			Pdh	kW	11.1		11.9		12.6	
			PERd	%	84.0		84.8		85.2	
		Tbiv (bivalent temperature)	COPd		1.93		2.05		2.13	
			Pdh	kW	11.4		12.4		12.6	
			PERd	%	77.2		82.0		85.2	
			Tbiv	°C	-18		-16		-15	
		Rated heat output supplementary capacity	Psup (at Tdesign -22°C)	kW	5.5		7.0		7.9	
	Warm climate water outlet 55°C	General	Annual energy consumption	kWh	3,603		4,012		4,270	
			ηs (Seasonal space heating efficiency)	%	160		164		166	
			Prated at 2°C	kW	11		13		14	
		B Condition (2°CDB/1°CWB)	Cdh (Degradation heating)		1.0					
			COPd		2.45		2.43		2.41	
			Pdh	kW	11.4		12.4		13.5	
			PERd	%	98.0		97.2		96.4	
		C Condition (7°CDB/6°CWB)	Cdh (Degradation heating)		1.0					
			COPd		3.58		3.62		3.66	
			Pdh	kW	7.2		7.9		8.7	
			PERd	%	143.2		144.8		146.4	
		D Condition (12°CDB/ 11°CWB)	Cdh (Degradation heating)		0.96					
			COPd		5.16		5.29		5.38	
			Pdh	kW	5.3		5.2			
			PERd	%	206.4		211.6		215.2	
		Tbiv (bivalent temperature)	COPd		2.45		2.43		2.41	
			Pdh	kW	11.4		12.4		13.5	
			PERd	%	98.0		97.2		96.4	
			Tbiv	°C	2					

2 Specifications

CONNECTABLE INDOOR UNITS											
2-1 Capacity and Power input					EAVX16S18D9WG/ EPGA11DV	EAVX16S23D9WG/ EPGA11DV	EAVX16S18D9WG/ EPGA14DV	EAVX16S23D9WG/ EPGA14DV	EAVX16S18D9WG/ EPGA16DV	EAVX16S23D9WG/ EPGA16DV
Space heating	Average climate water outlet 35°C	General	SCOP		4.44		4.51		4.61	
			Annual energy consumption	kWh	5,112		5,720		6,267	
			ηs (Seasonal space heating efficiency)	%	175		178		182	
			Prated at -10°C	kW	11		13		14	
			Seasonal space heating eff. class		A+++					
		A Condition (-7°CDB/-8°CWB)	COPd		3.07		2.85		2.99	
			Pdh	kW	9.7		11.1		12.2	
			PERd	%	122.8		114.0		119.6	
		B Condition (2°CDB/1°CWB)	Cdh (Degradation heating)		1.0					
			COPd		4.15		4.24		4.30	
			Pdh	kW	6.3		7.0		7.4	
			PERd	%	166.0		169.6		172.0	
		C Condition (7°CDB/6°CWB)	Cdh (Degradation heating)		0.95		1.0		0.95	
			COPd		5.86		6.24		6.35	
			Pdh	kW	4.5				5.0	
			PERd	%	234.4		249.6		254.0	
		D Condition (12°CDB/ 11°CWB)	Cdh (Degradation heating)		0.94					
			COPd		7.88		8.12			
			Pdh	kW	5.3					
			PERd	%	315.2		324.8			
		Tol (temperature operating limit)	COPd		2.80		2.53		2.72	
			Pdh	kW	11.0		12.5		14.5	
			PERd	%	112.0		101.2		108.8	
			TOL	°C	-10					
			WTOL	°C	35					
		Tbiv (bivalent temperature)	COPd		2.80		2.53		2.72	
			Pdh	kW	11.0		12.5		14.5	
			PERd	%	112.0		101.2		108.8	
			Tbiv	°C	-10					
		Rated heat output supplementary capacity	Psup (at Tdesign -10°C)	kW	0.0					

2 Specifications

CONNECTABLE INDOOR UNITS											
2-1 Capacity and Power input					EAVX16S18D9WG/ EPGA11DV	EAVX16S23D9WG/ EPGA11DV	EAVX16S18D9WG/ EPGA14DV	EAVX16S23D9WG/ EPGA14DV	EAVX16S18D9WG/ EPGA16DV	EAVX16S23D9WG/ EPGA16DV
Space heating	Cold climate water outlet 35°C	General	Annual energy consumption	kWh	9,249		10,202		11,061	
			ηs (Seasonal space heating efficiency)	%	152				157	
			Prated at -22°C	kW	15		16		18	
			Qhe Annual energy consumption (GCV)	Gj	33.3		36.7		39.8	
		A Condition (-7°CDB/-8°CWB)	COPd		3.09		3.20		3.39	
			Pdh	kW	9.0		9.7		10.8	
			PERd	%	123.6		128.0		135.6	
		B Condition (2°CDB/1°CWB)	Cdh (Degradation heating)		1.0				0.97	
			COPd		4.45				4.68	
			Pdh	kW	5.6				7.1	
			PERd	%	178.0				187.2	
		C Condition (7°CDB/6°CWB)	Cdh (Degradation heating)		0.94					
			COPd		6.24		6.46		6.75	
			Pdh	kW	4.5				4.6	
			PERd	%	249.6		258.4		270.0	
		D Condition (12°CDB/ 11°CWB)	Cdh (Degradation heating)		0.94					
			COPd		7.84		7.98		8.19	
			Pdh	kW	5.2		5.3			
			PERd	%	313.6		319.2		327.6	
		Tol (temperature operating limit)	COPd		2.13		2.10			
			Pdh	kW	11.8		13.5			
			PERd	%	85.2		84.0			
			TOL	°C	-22					
			WTOL	°C	35					
		G Condition (-15°CDB/-)	COPd		2.67		2.43		2.40	
			Pdh	kW	12.1		13.4		14.6	
			PERd	%	106.8		97.2		96.0	
		Tbiv (bivalent temperature)	COPd		2.49		2.36		2.40	
			Pdh	kW	13.1		13.7		14.6	
			PERd	%	99.6		94.4		96.0	
			Tbiv	°C	-18		-16		-15	
		Rated heat output supplementary capacity	Psup (at Tdesign -22°C)	kW	2.7		2.5		4.5	

2 Specifications

CONNECTABLE INDOOR UNITS					EAVX16S18D9WG/ EPGA11DV	EAVX16S23D9WG/ EPGA11DV	EAVX16S18D9WG/ EPGA14DV	EAVX16S23D9WG/ EPGA14DV	EAVX16S18D9WG/ EPGA16DV	EAVX16S23D9WG/ EPGA16DV
2-1 Capacity and Power input										
Space heating	Warm climate water outlet 35°C	General	Annual energy consumption	kWh	2,403		2,687		3,044	
			ηs (Seasonal space heating efficiency)	%	242		246		243	
			Prated at 2°C	kW	11		13		14	
		B Condition (2°CDB/1°CWB)	Cdh (Degradation heating)		1.0					
			COPd		3.40		3.25		3.22	
			Pdh	kW	11.1		12.4		12.7	
			PERd	%	136.0		130.0		128.8	
		C Condition (7°CDB/6°CWB)	Cdh (Degradation heating)		1.0					
			COPd		5.67		5.70		5.73	
			Pdh	kW	7.6		8.4		9.3	
			PERd	%	226.8		228.0		229.2	
		Tbiv (bivalent temperature)	COPd		3.40		3.25		3.44	
			Pdh	kW	11.1		12.4		12.2	
			PERd	%	136.0		130.0		137.6	
			Tbiv	°C	2				4	
		D Condition (12°CDB/ 11°CWB)	Cdh (Degradation heating)		0.94					
			COPd		7.60		7.78		8.03	
			Pdh	kW	5.2		5.3			
			PERd	%	304.0		311.2		321.2	
Space heating general	Air to water unit	Rated airflow (outdoor)		m³/h	6,900				8,100	
	Other	Capacity control			Inverter					
		Pck (Crankcase heater mode)		kW	0.000					
		Poff (Off mode)		kW	0.021					
		Psb (Standby mode)		kW	0.021					
		Pto (Thermostat off)		kW	0.041					
	Integrated supplementary heater	Psup		kW	9.0					
		Type of energy input			Electrical					
Domestic hot water heating	General	Declared load profile			L	XL	L	XL	L	XL
		Function to fix water heating during off peak hours			No					
	Average climate	AEC (Annual electricity consumption)		kWh	1,029	1,517	1,029	1,517	1,029	1,517
		ηwh (water heating efficiency)		%	104	111	104	111	104	111
		Qelec (Daily electricity consumption)		kWh	4.870	7.110	4.870	7.110	4.870	7.110
		Water heating energy efficiency class			A					
	Cold climate	AEC (Annual electricity consumption)		kWh	1,066	1,855	1,066	1,855	1,066	1,855
		ηwh (water heating efficiency)		%	100	91	100	91	100	91
		Qelec (Daily electricity consumption)		kWh	5.195	8.880	5.195	8.880	5.195	8.880
	Warm climate	AEC (Annual electricity consumption)		kWh	749	1,304	749	1,304	749	1,304
		ηwh (water heating efficiency)		%	142	129	142	129	142	129
		Qelec (Daily electricity consumption)		kWh	3.590	6.190	3.590	6.190	3.590	6.190
Heating capacity	Nom.			kW	11.1 (1) / 11.3 (2)		14.5 (1) / 14.5 (2)		16.5 (1) / 15.6 (2)	
Cooling capacity	Nom.			kW	10.5 (1) / 10.7 (2)		11.1 (1) / 11.9 (2)		13.5 (1) / 11.9 (2)	
Power input	Heating	Nom.		kW	2.16 (1) / 2.91 (2)		2.91 (1) / 3.96 (2)		3.45 (1) / 4.21 (2)	
	Cooling	Nom.		kW	2.21 (1) / 3.30 (2)		2.72 (1) / 3.97 (2)		3.42 (1) / 3.97 (2)	
	Domestic hot water from 10°C to 50°C	Nom.		kWh	2.67	3.08	2.67	3.08	2.67	3.08
COP					5.15 (1) / 3.88 (2)		4.99 (1) / 3.65 (2)		4.78 (1) / 3.71 (2)	
EER					4.75 (1) / 3.23 (2)		4.09 (1) / 2.99 (2)		3.94 (1) / 2.99 (2)	
Pump	Type				Grundfos UPMXL GEO 25-125 130 PWM					
	Nominal ESP unit	Cooling		kPa	81.7 (1) / 81.5 (2)		75.8 (1) / 69.7 (2)		61.5 (1) / 69.7 (2)	
		Heating		kPa	78.6 (1) / 78.9 (2)		53.8 (1) / 52.7 (2)		40.6 (1) / 42.0 (2)	
Water side Heat exchanger	Water flow rate	Cooling	Nom.	l/min	31.3 (1) / 31.3 (2)		33.6 (1) / 35.9 (2)		38.7 (1) / 35.9 (2)	
		Heating	Nom.	l/min	32.5 (1) / 32.4 (2)		41.2 (1) / 41.5 (2)		45.1 (1) / 44.7 (2)	

2 Specifications

CONNECTABLE INDOOR UNITS											
2-1 Capacity and Power input				EAVX16S18D9WG/ EPGA11DV	EAVX16S23D9WG/ EPGA11DV	EAVX16S18D9WG/ EPGA14DV	EAVX16S23D9WG/ EPGA14DV	EAVX16S18D9WG/ EPGA16DV	EAVX16S23D9WG/ EPGA16DV
General	Supplier/ Manufacturer details	Name and address		Daikin Europe N.V. - Zandvoordestraat 300, 8400 Oostende, Belgium					
		Name or trademark		Daikin Europe N.V.					
	Product description	Air-to-water heat pump		Yes					
		Brine-to-water heat pump		No					
		Heat pump combination heater		Yes					
		Low-temperature heat pump		No					
		Supplementary heater integrated		Yes					
		Water-to-water heat pump		No					
	LW(A) Sound power level (according to EN14825)	Indoor	dB(A)	44.0					
LW(A) Sound power level (according to EN14825)	Outdoor		dB(A)	64.0				66.0	
Sound condition Ecodesign and energy label				Sound power in heating mode, measured according to the EN12102 under conditions of the EN14825					
Heat up time from 10°C to 50°C			hr	53min at 7°C ambient temperature	1h02min at 7°C ambient temperature	53min at 7°C ambient temperature	1h02min at 7°C ambient temperature	53min at 7°C ambient temperature	1h02min at 7°C ambient temperature

Notes

(1) Condition 1: cooling Ta 35°C - LWE 18°C (DT = 5°C); heating Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C)

(2) Condition 2: cooling Ta 35°C - LWE 7°C (DT = 5°C); heating Ta DB/WB 7°C/6°C - LWC 45°C (DT = 5°C)

2 Specifications

CONNECTABLE INDOOR UNITS											
2-1 Capacity and Power input					**EAVZ16S18D6V/ EPGA11DV**	**EAVZ16S23D6V/ EPGA11DV**	**EAVZ16S18D6V/ EPGA14DV**	**EAVZ16S23D6V/ EPGA14DV**	**EAVZ16S18D6V/ EPGA16DV**	**EAVZ16S23D6V/ EPGA16DV**
Indoor unit					EAVZ16S18DA6V	EAVZ16S23DA6V	EAVZ16S18DA6V	EAVZ16S23DA6V	EAVZ16S18DA6V	EAVZ16S23DA6V
Outdoor unit					EPGA11DAV3		EPGA14DAV3		EPGA16DAV3	
Space heating	Average climate water outlet 55°C	General	Annual energy consumption	kWh	7,845		8,669		9,706	
			ηs (Seasonal space heating efficiency)	%	129		130		133	
			Prated at -10°C	kW	13		14		16	
			SCOP		3.29		3.34		3.41	
			Seasonal space heating eff. class		A++					
		A Condition (-7°CDB/-8°CWB)	Cdh (Degradation heating)		1.0					
			COPd		2.25		2.17		2.23	
			Pdh	kW	11.5		12.3		13.1	
			PERd	%	90.0		86.8		89.2	
		B Condition (2°CDB/1°CWB)	Cdh (Degradation heating)		1.0					
			COPd		3.14		3.18		3.26	
			Pdh	kW	6.5		8.1		8.7	
			PERd	%	125.6		127.2		130.4	
		C Condition (7°CDB/6°CWB)	Cdh (Degradation heating)		0.96		1.0			
			COPd		4.27		4.46		4.62	
			Pdh	kW	4.6		5.0		5.8	
			PERd	%	170.8		178.4		184.8	
		D Condition (12°CDB/ 11°CWB)	Cdh (Degradation heating)		0.95					
			COPd		5.75		5.94		6.47	
			Pdh	kW	5.2					
			PERd	%	230.0		237.6		258.8	
		Tol (temperature operating limit)	COPd		2.11		2.10		2.05	
			Pdh	kW	12.5		13.5		13.2	
			PERd	%	84.4		84.0		82.0	
			TOL	°C	-10					
			WTOL	°C	55					
		Rated heat output supplementary capacity	Psup (at Tdesign -10°C)	kW	0.0		0.5		2.8	
		Tbiv (bivalent temperature)	COPd		2.11		2.17		2.40	
			Pdh	kW	12.5		12.3		12.9	
			PERd	%	84.4		86.8		96.0	
			Tbiv	°C	-10		-7		-5	

2 Specifications

CONNECTABLE INDOOR UNITS											
2-1 Capacity and Power input					EAVZ16S18D6V/ EPGA11DV	EAVZ16S23D6V/ EPGA11DV	EAVZ16S18D6V/ EPGA14DV	EAVZ16S23D6V/ EPGA14DV	EAVZ16S18D6V/ EPGA16DV	EAVZ16S23D6V/ EPGA16DV
Space heating	Cold climate water outlet 55°C	General	Annual energy consumption	kWh	10,085		11,385		12,295	
			ηs (Seasonal space heating efficiency)	%	124		123		121	
			Prated at -22°C	kW	13		15			
		A Condition (-7°CDB/-8°CWB)	Cdh (Degradation heating)		1.0					
			COPd		2.68		2.61		2.58	
			Pdh	kW	8.3		8.8		9.4	
			PERd	%	107.2		104.4		103.2	
		B Condition (2°CDB/1°CWB)	Cdh (Degradation heating)		1.0					
			COPd		3.75				3.66	
			Pdh	kW	5.1		5.5		5.9	
			PERd	%	150.0				146.4	
		C Condition (7°CDB/6°CWB)	Cdh (Degradation heating)		0.96					
			COPd		4.63		4.70		4.75	
			Pdh	kW	4.5					
			PERd	%	185.2		188.0		190.0	
		D Condition (12°CDB/ 11°CWB)	COPd		6.01		6.13		6.21	
			Pdh	kW	5.2				5.1	
			PERd	%	240.4		245.2		248.4	
		Tol (temperature operating limit)	COPd		1.34					
			Pdh	kW	7.5					
			PERd	%	53.6					
			TOL	°C	-21					
			WTOL	°C	54					
		G Condition (-15°CDB/-)	COPd		2.10		2.12		2.13	
			Pdh	kW	11.1		11.9		12.6	
			PERd	%	84.0		84.8		85.2	
		Tbiv (bivalent temperature)	COPd		1.93		2.05		2.13	
			Pdh	kW	11.4		12.4		12.6	
			PERd	%	77.2		82.0		85.2	
			Tbiv	°C	-18		-16		-15	
		Rated heat output supplementary capacity	Psup (at Tdesign -22°C)	kW	5.5		7.0		7.9	
	Warm climate water outlet 55°C	General	Annual energy consumption	kWh	3,696		4,104		4,362	
			ηs (Seasonal space heating efficiency)	%	156		160		162	
			Prated at 2°C	kW	11		13		14	
		B Condition (2°CDB/1°CWB)	Cdh (Degradation heating)		1.0					
			COPd		2.45		2.43		2.41	
			Pdh	kW	11.4		12.4		13.5	
			PERd	%	98.0		97.2		96.4	
		C Condition (7°CDB/6°CWB)	Cdh (Degradation heating)		1.0					
			COPd		3.58		3.62		3.66	
			Pdh	kW	7.2		7.9		8.7	
			PERd	%	143.2		144.8		146.4	
		D Condition (12°CDB/ 11°CWB)	Cdh (Degradation heating)		0.96					
			COPd		5.16		5.29		5.38	
			Pdh	kW	5.3		5.2			
			PERd	%	206.4		211.6		215.2	
		Tbiv (bivalent temperature)	COPd		2.45		2.43		2.41	
			Pdh	kW	11.4		12.4		13.5	
			PERd	%	98.0		97.2		96.4	
			Tbiv	°C	2					

2 Specifications

CONNECTABLE INDOOR UNITS											
2-1 Capacity and Power input					EAVZ16S18D6V/ EPGA11DV	EAVZ16S23D6V/ EPGA11DV	EAVZ16S18D6V/ EPGA14DV	EAVZ16S23D6V/ EPGA14DV	EAVZ16S18D6V/ EPGA16DV	EAVZ16S23D6V/ EPGA16DV
Space heating	Average climate water outlet 35°C	General	SCOP		4.38		4.45		4.56	
			Annual energy consumption	kWh	5,189		5,797		6,345	
			ηs (Seasonal space heating efficiency)	%	172		175		179	
			Prated at -10°C	kW	11		13		14	
			Seasonal space heating eff. class		A++		A+++			
		A Condition (-7°CDB/-8°CWB)	COPd		3.07		2.85		2.99	
			Pdh	kW	9.7		11.1		12.2	
			PERd	%	122.8		114.0		119.6	
		B Condition (2°CDB/1°CWB)	Cdh (Degradation heating)		1.0					
			COPd		4.15		4.24		4.30	
			Pdh	kW	6.3		7.0		7.4	
			PERd	%	166.0		169.6		172.0	
		C Condition (7°CDB/6°CWB)	Cdh (Degradation heating)		0.95		1.0		0.95	
			COPd		5.86		6.24		6.35	
			Pdh	kW	4.5				5.0	
			PERd	%	234.4		249.6		254.0	
		D Condition (12°CDB/ 11°CWB)	Cdh (Degradation heating)		0.94					
			COPd		7.88		8.12			
			Pdh	kW	5.3					
			PERd	%	315.2		324.8			
		Tol (temperature operating limit)	COPd		2.80		2.53		2.72	
			Pdh	kW	11.0		12.5		14.5	
			PERd	%	112.0		101.2		108.8	
			TOL	°C	-10					
			WTOL	°C	35					
		Tbiv (bivalent temperature)	COPd		2.80		2.53		2.72	
			Pdh	kW	11.0		12.5		14.5	
			PERd	%	112.0		101.2		108.8	
			Tbiv	°C	-10					
		Rated heat output supplementary capacity	Psup (at Tdesign -10°C)	kW	0.0					

2 Specifications

CONNECTABLE INDOOR UNITS											
2-1 Capacity and Power input					EAVZ16S18D6V/ EPGA11DV	EAVZ16S23D6V/ EPGA11DV	EAVZ16S18D6V/ EPGA14DV	EAVZ16S23D6V/ EPGA14DV	EAVZ16S18D6V/ EPGA16DV	EAVZ16S23D6V/ EPGA16DV
Space heating	Cold climate water outlet 35°C	General	Annual energy consumption	kWh	9,295		10,249		11,108	
			ηs (Seasonal space heating efficiency)	%	151				157	
			Prated at -22°C	kW	15		16		18	
			Qhe Annual energy consumption (GCV)	Gj	33.5		36.9		40.0	
		A Condition (-7°CDB/-8°CWB)	COPd		3.09		3.20		3.39	
			Pdh	kW	9.0		9.7		10.8	
			PERd	%	123.6		128.0		135.6	
		B Condition (2°CDB/1°CWB)	Cdh (Degradation heating)		1.0				0.97	
			COPd		4.45				4.68	
			Pdh	kW	5.6				7.1	
			PERd	%	178.0				187.2	
		C Condition (7°CDB/6°CWB)	Cdh (Degradation heating)		0.94					
			COPd		6.24		6.46		6.75	
			Pdh	kW	4.5				4.6	
			PERd	%	249.6		258.4		270.0	
		D Condition (12°CDB/ 11°CWB)	Cdh (Degradation heating)		0.94					
			COPd		7.84		7.98		8.19	
			Pdh	kW	5.2		5.3			
			PERd	%	313.6		319.2		327.6	
		Tol (temperature operating limit)	COPd		2.13		2.10			
			Pdh	kW	11.8		13.5			
			PERd	%	85.2		84.0			
			TOL	°C	-22					
			WTOL	°C	35					
		G Condition (-15°CDB/-)	COPd		2.67		2.43		2.40	
			Pdh	kW	12.1		13.4		14.6	
			PERd	%	106.8		97.2		96.0	
		Tbiv (bivalent temperature)	COPd		2.49		2.36		2.40	
			Pdh	kW	13.1		13.7		14.6	
			PERd	%	99.6		94.4		96.0	
			Tbiv	°C	-18		-16		-15	
		Rated heat output supplementary capacity	Psup (at Tdesign -22°C)	kW	2.7		2.5		4.5	

2 Specifications

CONNECTABLE INDOOR UNITS												
2-1 Capacity and Power input						EAVZ16S18D6V/ EPGA11DV	EAVZ16S23D6V/ EPGA11DV	EAVZ16S18D6V/ EPGA14DV	EAVZ16S23D6V/ EPGA14DV	EAVZ16S18D6V/ EPGA16DV	EAVZ16S23D6V/ EPGA16DV
Space heating	Warm climate water outlet 35°C	General	Annual energy consumption	kWh		2,496		2,779		3,136	
			ηs (Seasonal space heating efficiency)	%		233		237		236	
			Prated at 2°C	kW		11		13		14	
		B Condition (2°CDB/1°CWB)	Cdh (Degradation heating)			1.0					
			COPd			3.40		3.25		3.22	
			Pdh	kW		11.1		12.4		12.7	
			PERd	%		136.0		130.0		128.8	
		C Condition (7°CDB/6°CWB)	Cdh (Degradation heating)			1.0					
			COPd			5.67		5.70		5.73	
			Pdh	kW		7.6		8.4		9.3	
			PERd	%		226.8		228.0		229.2	
		Tbiv (bivalent temperature)	COPd			3.40		3.25		3.44	
			Pdh	kW		11.1		12.4		12.2	
			PERd	%		136.0		130.0		137.6	
			Tbiv	°C		2				4	
		D Condition (12°CDB/ 11°CWB)	Cdh (Degradation heating)			0.94					
			COPd			7.60		7.78		8.03	
			Pdh	kW		5.2		5.3			
			PERd	%		304.0		311.2		321.2	
Space heating general	Air to water unit	Rated airflow (outdoor)		m³/h		6,900				8,100	
	Other	Capacity control				Inverter					
		Pck (Crankcase heater mode)		kW		0.000					
		Poff (Off mode)		kW		0.021					
		Psb (Standby mode)		kW		0.021					
		Pto (Thermostat off)		kW		0.041					
	Integrated supplementary heater	Psup		kW		6.0					
		Type of energy input				Electrical					
Domestic hot water heating	General	Declared load profile				L	XL	L	XL	L	XL
		Function to fix water heating during off peak hours				No					
	Average climate	AEC (Annual electricity consumption)		kWh		1,029	1,517	1,029	1,517	1,029	1,517
		ηwh (water heating efficiency)		%		104	111	104	111	104	111
		Qelec (Daily electricity consumption)		kWh		4.870	7.110	4.870	7.110	4.870	7.110
		Water heating energy efficiency class				A					
	Cold climate	AEC (Annual electricity consumption)		kWh		1,066	1,855	1,066	1,855	1,066	1,855
		ηwh (water heating efficiency)		%		100	91	100	91	100	91
		Qelec (Daily electricity consumption)		kWh		5.195	8.880	5.195	8.880	5.195	8.880
	Warm climate	AEC (Annual electricity consumption)		kWh		749	1,304	749	1,304	749	1,304
		ηwh (water heating efficiency)		%		142	129	142	129	142	129
		Qelec (Daily electricity consumption)		kWh		3.590	6.190	3.590	6.190	3.590	6.190
Heating capacity	Nom.			kW		11.1 (1) / 11.3 (2)		14.5 (1) / 14.5 (2)		16.5 (1) / 15.6 (2)	
Power input	Heating	Nom.		kW		2.16 (1) / 2.91 (2)		2.91 (1) / 3.96 (2)		3.45 (1) / 4.21 (2)	
	Domestic hot water from 10°C to 50°C	Nom.		kWh		2.67	3.08	2.67	3.08	2.67	3.08
COP						5.15 (1) / 3.88 (2)		4.99 (1) / 3.65 (2)		4.78 (1) / 3.71 (2)	
Pump	Type					Grundfos UPML GEO 25-105 130 PWM					
Water side Heat exchanger	Water flow rate	Heating	Nom.	l/min		32.5 (1) / 32.4 (2)		41.2 (1) / 41.5 (2)		45.1 (1) / 44.7 (2)	

2 Specifications

CONNECTABLE INDOOR UNITS											
2-1 Capacity and Power input				EAVZ16S18D6V/ EPGA11DV	EAVZ16S23D6V/ EPGA11DV	EAVZ16S18D6V/ EPGA14DV	EAVZ16S23D6V/ EPGA14DV	EAVZ16S18D6V/ EPGA16DV	EAVZ16S23D6V/ EPGA16DV
General	Supplier/ Manufacturer details	Name and address		Daikin Europe N.V. - Zandvoordestraat 300, 8400 Oostende, Belgium					
		Name or trademark		Daikin Europe N.V.					
	Product description	Air-to-water heat pump		Yes					
		Brine-to-water heat pump		No					
		Heat pump combination heater		Yes					
		Low-temperature heat pump		No					
		Supplementary heater integrated		Yes					
		Water-to-water heat pump		No					
	LW(A) Sound power level (according to EN14825)	Indoor	dB(A)	44.0					
LW(A) Sound power level (according to EN14825)	Outdoor		dB(A)	64.0				66.0	
Sound condition Ecodesign and energy label				Sound power in heating mode, measured according to the EN12102 under conditions of the EN14825					
Heat up time from 10°C to 50°C			hr	53min at 7°C ambient temperature	1h02min at 7°C ambient temperature	53min at 7°C ambient temperature	1h02min at 7°C ambient temperature	53min at 7°C ambient temperature	1h02min at 7°C ambient temperature

Notes

(1) Condition 1: cooling Ta 35°C - LWE 18°C (DT = 5°C); heating Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C)

(2) Condition 2: cooling Ta 35°C - LWE 7°C (DT = 5°C); heating Ta DB/WB 7°C/6°C - LWC 45°C (DT = 5°C)

2 Specifications

CONNECTABLE INDOOR UNITS											
2-1 Capacity and Power input					**EAVZ16S18D9W/ EPGA11DV**	**EAVZ16S23D9W/ EPGA11DV**	**EAVZ16S18D9W/ EPGA14DV**	**EAVZ16S23D9W/ EPGA14DV**	**EAVZ16S18D9W/ EPGA16DV**	**EAVZ16S23D9W/ EPGA16DV**
Indoor unit					EAVZ16S18DA9W	EAVZ16S23DA9W	EAVZ16S18DA9W	EAVZ16S23DA9W	EAVZ16S18DA9W	EAVZ16S23DA9W
Outdoor unit					EPGA11DAV3		EPGA14DAV3		EPGA16DAV3	
Space heating	Average climate water outlet 55°C	General	Annual energy consumption	kWh	7,845		8,669		9,706	
			ηs (Seasonal space heating efficiency)	%	129		130		133	
			Prated at -10°C	kW	13		14		16	
			SCOP		3.29		3.34		3.41	
			Seasonal space heating eff. class		A++					
		A Condition (-7°CDB/-8°CWB)	Cdh (Degradation heating)		1.0					
			COPd		2.25		2.17		2.23	
			Pdh	kW	11.5		12.3		13.1	
			PERd	%	90.0		86.8		89.2	
		B Condition (2°CDB/1°CWB)	Cdh (Degradation heating)		1.0					
			COPd		3.14		3.18		3.26	
			Pdh	kW	6.5		8.1		8.7	
			PERd	%	125.6		127.2		130.4	
		C Condition (7°CDB/6°CWB)	Cdh (Degradation heating)		0.96		1.0			
			COPd		4.27		4.46		4.62	
			Pdh	kW	4.6		5.0		5.8	
			PERd	%	170.8		178.4		184.8	
		D Condition (12°CDB/ 11°CWB)	Cdh (Degradation heating)		0.95					
			COPd		5.75		5.94		6.47	
			Pdh	kW	5.2					
			PERd	%	230.0		237.6		258.8	
		Tol (temperature operating limit)	COPd		2.11		2.10		2.05	
			Pdh	kW	12.5		13.5		13.2	
			PERd	%	84.4		84.0		82.0	
			TOL	°C	-10					
			WTOL	°C	55					
		Rated heat output supplementary capacity	Psup (at Tdesign -10°C)	kW	0.0		0.5		2.8	
		Tbiv (bivalent temperature)	COPd		2.11		2.17		2.40	
			Pdh	kW	12.5		12.3		12.9	
			PERd	%	84.4		86.8		96.0	
			Tbiv	°C	-10		-7		-5	

2 Specifications

CONNECTABLE INDOOR UNITS											
2-1 Capacity and Power input					EAVZ16S18D9W/ EPGA11DV	EAVZ16S23D9W/ EPGA11DV	EAVZ16S18D9W/ EPGA14DV	EAVZ16S23D9W/ EPGA14DV	EAVZ16S18D9W/ EPGA16DV	EAVZ16S23D9W/ EPGA16DV
Space heating	Cold climate water outlet 55°C	General	Annual energy consumption	kWh	10,085		11,385		12,295	
			ηs (Seasonal space heating efficiency)	%	124		123		121	
			Prated at -22°C	kW	13		15			
		A Condition (-7°CDB/-8°CWB)	Cdh (Degradation heating)		1.0					
			COPd		2.68		2.61		2.58	
			Pdh	kW	8.3		8.8		9.4	
			PERd	%	107.2		104.4		103.2	
		B Condition (2°CDB/1°CWB)	Cdh (Degradation heating)		1.0					
			COPd		3.75				3.66	
			Pdh	kW	5.1		5.5		5.9	
			PERd	%	150.0				146.4	
		C Condition (7°CDB/6°CWB)	Cdh (Degradation heating)		0.96					
			COPd		4.63		4.70		4.75	
			Pdh	kW	4.5					
			PERd	%	185.2		188.0		190.0	
		D Condition (12°CDB/ 11°CWB)	COPd		6.01		6.13		6.21	
			Pdh	kW	5.2				5.1	
			PERd	%	240.4		245.2		248.4	
		Tol (temperature operating limit)	COPd		1.34					
			Pdh	kW	7.5					
			PERd	%	53.6					
			TOL	°C	-21					
			WTOL	°C	54					
		G Condition (-15°CDB/-)	COPd		2.10		2.12		2.13	
			Pdh	kW	11.1		11.9		12.6	
			PERd	%	84.0		84.8		85.2	
		Tbiv (bivalent temperature)	COPd		1.93		2.05		2.13	
			Pdh	kW	11.4		12.4		12.6	
			PERd	%	77.2		82.0		85.2	
			Tbiv	°C	-18		-16		-15	
		Rated heat output supplementary capacity	Psup (at Tdesign -22°C)	kW	5.5		7.0		7.9	
	Warm climate water outlet 55°C	General	Annual energy consumption	kWh	3,696		4,104		4,362	
			ηs (Seasonal space heating efficiency)	%	156		160		162	
			Prated at 2°C	kW	11		13		14	
		B Condition (2°CDB/1°CWB)	Cdh (Degradation heating)		1.0					
			COPd		2.45		2.43		2.41	
			Pdh	kW	11.4		12.4		13.5	
			PERd	%	98.0		97.2		96.4	
		C Condition (7°CDB/6°CWB)	Cdh (Degradation heating)		1.0					
			COPd		3.58		3.62		3.66	
			Pdh	kW	7.2		7.9		8.7	
			PERd	%	143.2		144.8		146.4	
		D Condition (12°CDB/ 11°CWB)	Cdh (Degradation heating)		0.96					
			COPd		5.16		5.29		5.38	
			Pdh	kW	5.3		5.2			
			PERd	%	206.4		211.6		215.2	
		Tbiv (bivalent temperature)	COPd		2.45		2.43		2.41	
			Pdh	kW	11.4		12.4		13.5	
			PERd	%	98.0		97.2		96.4	
			Tbiv	°C	2					

2 Specifications

CONNECTABLE INDOOR UNITS											
2-1 Capacity and Power input					EAVZ16S18D9W/ EPGA11DV	EAVZ16S23D9W/ EPGA11DV	EAVZ16S18D9W/ EPGA14DV	EAVZ16S23D9W/ EPGA14DV	EAVZ16S18D9W/ EPGA16DV	EAVZ16S23D9W/ EPGA16DV
Space heating	Average climate water outlet 35°C	General	SCOP		4.38		4.45		4.56	
			Annual energy consumption	kWh	5,189		5,797		6,345	
			ηs (Seasonal space heating efficiency)	%	172		175		179	
			Prated at -10°C	kW	11		13		14	
			Seasonal space heating eff. class		A++		A+++			
		A Condition (-7°CDB/-8°CWB)	COPd		3.07		2.85		2.99	
			Pdh	kW	9.7		11.1		12.2	
			PERd	%	122.8		114.0		119.6	
		B Condition (2°CDB/1°CWB)	Cdh (Degradation heating)		1.0					
			COPd		4.15		4.24		4.30	
			Pdh	kW	6.3		7.0		7.4	
			PERd	%	166.0		169.6		172.0	
		C Condition (7°CDB/6°CWB)	Cdh (Degradation heating)		0.95		1.0		0.95	
			COPd		5.86		6.24		6.35	
			Pdh	kW	4.5				5.0	
			PERd	%	234.4		249.6		254.0	
		D Condition (12°CDB/ 11°CWB)	Cdh (Degradation heating)		0.94					
			COPd		7.88		8.12			
			Pdh	kW	5.3					
			PERd	%	315.2		324.8			
		Tol (temperature operating limit)	COPd		2.80		2.53		2.72	
			Pdh	kW	11.0		12.5		14.5	
			PERd	%	112.0		101.2		108.8	
			TOL	°C	-10					
			WTOL	°C	35					
		Tbiv (bivalent temperature)	COPd		2.80		2.53		2.72	
			Pdh	kW	11.0		12.5		14.5	
			PERd	%	112.0		101.2		108.8	
			Tbiv	°C	-10					
		Rated heat output supplementary capacity	Psup (at Tdesign -10°C)	kW	0.0					

2 Specifications

CONNECTABLE INDOOR UNITS											
2-1 Capacity and Power input					EAVZ16S18D9W/ EPGA11DV	EAVZ16S23D9W/ EPGA11DV	EAVZ16S18D9W/ EPGA14DV	EAVZ16S23D9W/ EPGA14DV	EAVZ16S18D9W/ EPGA16DV	EAVZ16S23D9W/ EPGA16DV
Space heating	Cold climate water outlet 35°C	General	Annual energy consumption	kWh	9,295		10,249		11,108	
			ηs (Seasonal space heating efficiency)	%	151				157	
			Prated at -22°C	kW	15		16		18	
			Qhe Annual energy consumption (GCV)	Gj	33.5		36.9		40.0	
		A Condition (-7°CDB/-8°CWB)	COPd		3.09		3.20		3.39	
			Pdh	kW	9.0		9.7		10.8	
			PERd	%	123.6		128.0		135.6	
		B Condition (2°CDB/1°CWB)	Cdh (Degradation heating)		1.0				0.97	
			COPd		4.45				4.68	
			Pdh	kW	5.6				7.1	
			PERd	%	178.0				187.2	
		C Condition (7°CDB/6°CWB)	Cdh (Degradation heating)		0.94					
			COPd		6.24		6.46		6.75	
			Pdh	kW	4.5				4.6	
			PERd	%	249.6		258.4		270.0	
		D Condition (12°CDB/ 11°CWB)	Cdh (Degradation heating)		0.94					
			COPd		7.84		7.98		8.19	
			Pdh	kW	5.2		5.3			
			PERd	%	313.6		319.2		327.6	
		Tol (temperature operating limit)	COPd		2.13		2.10			
			Pdh	kW	11.8		13.5			
			PERd	%	85.2		84.0			
			TOL	°C	-22					
			WTOL	°C	35					
		G Condition (-15°CDB/-)	COPd		2.67		2.43		2.40	
			Pdh	kW	12.1		13.4		14.6	
			PERd	%	106.8		97.2		96.0	
		Tbiv (bivalent temperature)	COPd		2.49		2.36		2.40	
			Pdh	kW	13.1		13.7		14.6	
			PERd	%	99.6		94.4		96.0	
			Tbiv	°C	-18		-16		-15	
		Rated heat output supplementary capacity	Psup (at Tdesign -22°C)	kW	2.7		2.5		4.5	

2 Specifications

CONNECTABLE INDOOR UNITS												
2-1 Capacity and Power input						EAVZ16S18D9W/ EPGA11DV	EAVZ16S23D9W/ EPGA11DV	EAVZ16S18D9W/ EPGA14DV	EAVZ16S23D9W/ EPGA14DV	EAVZ16S18D9W/ EPGA16DV	EAVZ16S23D9W/ EPGA16DV
Space heating	Warm climate water outlet 35°C	General	Annual energy consumption	kWh		2,496		2,779		3,136	
			ηs (Seasonal space heating efficiency)	%		233		237		236	
			Prated at 2°C	kW		11		13		14	
		B Condition (2°CDB/1°CWB)	Cdh (Degradation heating)			1.0					
			COPd			3.40		3.25		3.22	
			Pdh	kW		11.1		12.4		12.7	
			PERd	%		136.0		130.0		128.8	
		C Condition (7°CDB/6°CWB)	Cdh (Degradation heating)			1.0					
			COPd			5.67		5.70		5.73	
			Pdh	kW		7.6		8.4		9.3	
			PERd	%		226.8		228.0		229.2	
		Tbiv (bivalent temperature)	COPd			3.40		3.25		3.44	
			Pdh	kW		11.1		12.4		12.2	
			PERd	%		136.0		130.0		137.6	
			Tbiv	°C		2				4	
		D Condition (12°CDB/ 11°CWB)	Cdh (Degradation heating)			0.94					
			COPd			7.60		7.78		8.03	
			Pdh	kW		5.2		5.3			
			PERd	%		304.0		311.2		321.2	
Space heating general	Air to water unit	Rated airflow (outdoor)			m³/h	6,900				8,100	
	Other	Capacity control				Inverter					
		Pck (Crankcase heater mode)			kW	0.000					
		Poff (Off mode)			kW	0.021					
		Psb (Standby mode)			kW	0.021					
		Pto (Thermostat off)			kW	0.041					
	Integrated supplementary heater	Psup			kW	9.0					
		Type of energy input				Electrical					
Domestic hot water heating	General	Declared load profile				L	XL	L	XL	L	XL
		Function to fix water heating during off peak hours				No					
	Average climate	AEC (Annual electricity consumption)			kWh	1,029	1,517	1,029	1,517	1,029	1,517
		ηwh (water heating efficiency)			%	104	111	104	111	104	111
		Qelec (Daily electricity consumption)			kWh	4.870	7.110	4.870	7.110	4.870	7.110
		Water heating energy efficiency class				A					
	Cold climate	AEC (Annual electricity consumption)			kWh	1,066	1,855	1,066	1,855	1,066	1,855
		ηwh (water heating efficiency)			%	100	91	100	91	100	91
		Qelec (Daily electricity consumption)			kWh	5.195	8.880	5.195	8.880	5.195	8.880
	Warm climate	AEC (Annual electricity consumption)			kWh	749	1,304	749	1,304	749	1,304
		ηwh (water heating efficiency)			%	142	129	142	129	142	129
		Qelec (Daily electricity consumption)			kWh	3.590	6.190	3.590	6.190	3.590	6.190
Heating capacity	Nom.				kW	11.1 (1) / 11.3 (2)		14.5 (1) / 14.5 (2)		16.5 (1) / 15.6 (2)	
Power input	Heating	Nom.			kW	2.16 (1) / 2.91 (2)		2.91 (1) / 3.96 (2)		3.45 (1) / 4.21 (2)	
	Domestic hot water from 10°C to 50°C	Nom.			kWh	2.67	3.08	2.67	3.08	2.67	3.08
COP						5.15 (1) / 3.88 (2)		4.99 (1) / 3.65 (2)		4.78 (1) / 3.71 (2)	
Pump	Type					Grundfos UPML GEO 25-105 130 PWM					
Water side Heat exchanger	Water flow rate	Heating	Nom.		l/min	32.5 (1) / 32.4 (2)		41.2 (1) / 41.5 (2)		45.1 (1) / 44.7 (2)	

2 Specifications

CONNECTABLE INDOOR UNITS											
2-1 Capacity and Power input					EAVZ16S18D9W/ EPGA11DV	EAVZ16S23D9W/ EPGA11DV	EAVZ16S18D9W/ EPGA14DV	EAVZ16S23D9W/ EPGA14DV	EAVZ16S18D9W/ EPGA16DV	EAVZ16S23D9W/ EPGA16DV
General	Supplier/ Manufacturer details	Name and address			Daikin Europe N.V. - Zandvoordestraat 300, 8400 Oostende, Belgium					
		Name or trademark			Daikin Europe N.V.					
	Product description	Air-to-water heat pump			Yes					
		Brine-to-water heat pump			No					
		Heat pump combination heater			Yes					
		Low-temperature heat pump			No					
		Supplementary heater integrated			Yes					
		Water-to-water heat pump			No					
	LW(A) Sound power level (according to EN14825)	Indoor		dB(A)	44.0					
LW(A) Sound power level (according to EN14825)	Outdoor			dB(A)	64.0				66.0	
Sound condition Ecodesign and energy label					Sound power in heating mode, measured according to the EN12102 under conditions of the EN14825					
Heat up time from 10°C to 50°C				hr	53min at 7°C ambient temperatur e	1h02min at 7°C ambient temperatur e	53min at 7°C ambient temperatur e	1h02min at 7°C ambient temperatur e	53min at 7°C ambient temperatur e	1h02min at 7°C ambient temperatur e

Notes

(1) Condition 1: cooling Ta 35°C - LWE 18°C (DT = 5°C); heating Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C)

(2) Condition 2: cooling Ta 35°C - LWE 7°C (DT = 5°C); heating Ta DB/WB 7°C/6°C - LWC 45°C (DT = 5°C)

2-2 Technical Specifications				EPGA11DV	EPGA14DV	EPGA16DV
Dimensions	Unit	HeightxWidthxDepth	mm	1,440x1,160x380		
Weight	Unit		kg	143		
Compressor	Quantity			1		
	Type			Hermetically sealed scroll compressor		
Operation range	Cooling	Min.~Max.	°CDB	10~43		
	Domestic hot water	Min.~Max.	°CDB	-28~35		
Refrigerant	Type			R-32		
	GWP			675.0		
	Charge		TCO_2eq	2.36		
			kg	3.50		
	Control			Expansion valve		
Sound power level	Heating	Nom.	dBA	64.0 (1)		66.0 (1)
	Cooling	Nom.	dBA	68.0 (1)		
Sound pressure level	Heating	Nom.	dBA	48.0 (2)	49.0 (2)	52.0 (2)
	Cooling	Nom.	dBA	55.0 (3)		

2-2 Electrical Specifications			EPGA11DV	EPGA14DV	EPGA16DV
Power supply	Name/Phase/Frequency/Voltage	Hz/V	V3/1N~/50/230		
Current	Recommended fuses	A	32		

Notes

(1) Cooling Ta 35°C - LWE 18°C (DT = 5°C); Heating Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C)

(2) The sound pressure level is measured via a microphone at a certain distance from the unit. It is a relative value depending on the distance and acoustic environment. Refer to sound spectrum drawing for more information. Condition: Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C).

(3) The sound pressure level is measured via a microphone at a certain distance from the unit. It is a relative value depending on the distance and acoustic environment. Refer to sound spectrum drawing for more information. Condition: Ta 35°C - LWE 7°C (DT = 5°C).

3 Combination table

3 - 1 Combination Table

EPGA011-016DV

Factory-mounted equipment for EAV(H/X/Z)16S*DA*

Description	EAV(H/X/Z)16S*DA*			
Heating only model EAVH*	18 - 6V (8)	18 - 9W (8)	23 - 6V (8)	23 - 9W (8)
Reversible model EAVX*	18 - 6V (8)	18 - 9W (8)	23 - 6V (8)	23 - 9W (8)
(Integrated Bizone)	18 - 6V (8)	18 - 9W (8)	23 - 6V (8)	23 - 9W (8)
Backup heater 2-4-6kW 1N~230 V	o	-	o	-
Backup heater 2-4-6kW 3~230 V	o	-	o	-
Backup heater 3-6-9kW 3N~400 V	-	o	-	o
Domestic hot water tank 180L	o	o	-	-
Domestic hot water tank 230L	-	-	o	o

Outdoor combination table for EAV(H/X/Z)16S(18/23)DA

		EPGA11DAV3	EPGA14DAV3	EPGA16DAV3
EAVH16S(18/23)DA*	Heating only indoor unit	o	o	o
EAVX16S(18/23)DA*	Reversible indoor unit	o	o	o
EAVZ16S(18/23)DA*	(Integrated Bizone)	o	o	o

Kit availability for indoor units

Reference	Description		EAV*16S*DA*			
EAVH*	Heating only indoor unit		18 - 6V	18 - 9W	23 - 6V	23 - 9W
EAVX*	Reversible indoor unit		18 - 6V	18 - 9W	23 - 6V	23 - 9W
EAVZ*	(Integrated Bizone)		18 - 6V	18 - 9W	23 - 6V	23 - 9W
EKRP1HBAA	Digital I/O PCB	*(1) (2)	o	o	o	o
EKRP1AHTA	Demand PCB	*(3)	o	o	o	o
BRC1HHDA	Simplified user interface		o	o	o	o
EKPCCAB4	PC cable	*(4)	o	o	o	o
KRCS01-1	Remote indoor sensor	*(5)	o	o	o	o
EKRSCA1	Remote sensor for outdoor	*(5)	o	o	o	o
BRP069A61	LAN adapter for smartphone control		o	o	o	o
BRP069A62	LAN adapter for smartphone control		o	o	o	o
EKCC8-W	Universal centralised user interface		o	o	o	o
EKHVCONV2	Conversion kit: heating only to reversible.		o	o	o	o
FWXV15AVEB	Heat pump convector	*(6)	o	o	o	o
FWXV20AVEB	Heat pump convector	*(6)	o	o	o	o
EKVKHPC	Heat pump convector valve kit		o	o	o	o
EKRTWA	Wired room thermostat		o	o	o	o
EKRTR1	Wireless room thermostat		o	o	o	o
EKRTETS	External sensor room thermostat	*(7)	o	o	o	o

Kit availability for outdoor units

		EPGA11DAV3	EPGA14DAV3	EPGA16DAV3
EKBPH140L7	Bottom plate heater	o	o	o

Reference	Description		
	Only applicable for EAVH* & EAVX* models	EAVH*	EAVX*
BZKA7V3	Bizone kit	o	o

Notes

(1) PCB that provides additional output connections:
  (a) Control external heat source (bivalent operation).
  (b) Output remote ON/OFF signal space heating/cooling
  (c) Remote alarm output
(2) Additional relays to allow bivalent control in combination with an external room thermostat are field-supplied.
(3) PCB to receive up to 4 digital inputs for power limitation
(4) Data cable for connection with PC.
(5) Only 1 remote sensor can be connected: indoor OR outdoor sensor.
(6) The valve kit is mandatory if a heat pump convector is installed on a reversible model (not mandatory for heating only models).
(7) EKRTETS can only be used in combination with EKRTR1
(8) The backup heater capacity depends on a user interface setting.

Remark

Other combinations than mentioned in this combination table are prohibited.

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3 Combination table

3 - 1 Combination Table

EPGA011-016DV

Factory-mounted equipment for EAB(H/X)16DA*

Description	EAB(H/X)16DA*	
Heating only model EABH*	6V (8)	9W (8)
Reversible model EABX*	6V (8)	9W (8)
Backup heater 2-4-6kW 1N~230 V	o	-
Backup heater 2-4-6kW 3~230 V	o	-
Backup heater 3-6-9kW 3N~400 V	-	o

Outdoor combination table for *HB(H/X)(04/08)DA*

Description		EPGA11DAV3	EPGA14DAV3	EPGA16DAV3
EABH16DA*	Heating only	o	o	o
EABX16DA*	Reversible	o	o	o

Kit availability for indoor units

Reference	Description		EAB*16DA*					
EABH*	Heating only indoor unit		6V		9W			
EABX*	Reversible indoor unit		6V		9W			
EKRP1HBAA	Digital I/O PCB	*(1) (2)	o		o			
EKRP1AHTA	Demand PCB	*(3)	o		o			
BRC1HHDA	Simplified user interface		o		o			
EKPCCAB4	PC cable	*(4)	o		o			
EKHWS150D3V3	Domestic hot water tank 150 l 1~230 V		o		o			
EKHWS180D3V3	Domestic hot water tank 180 l 1~230 V		o		o			
EKHWS200D3V3	Domestic hot water tank 200 l 1~230 V		o		o			
EKHWS250D3V3	Domestic hot water tank 250 l 1~230 V		o		o			
EKHWS300D3V3	Domestic hot water tank 300 l 1~230 V		o		o			
EKHWSU150D3V3	Domestic hot water tank 150 l 1~230 V		o		o			
EKHWSU180D3V3	Domestic hot water tank 180 l 1~230 V		o		o			
EKHWSU200D3V3	Domestic hot water tank 200 l 1~230 V		o		o			
EKHWSU250D3V3	Domestic hot water tank 250 l 1~230 V		o		o			
EKHWSU300D3V3	Domestic hot water tank 300 l 1~230 V		o		o			
EKHWP500B	Domestic hot water tank with solar connection	*(9)	o		o			
EKHWP500PB	Domestic hot water tank with solar connection	*(9)	o		o			
EKHY3PART	Third-party tank connection kit for thermistor pocket		o		o			
EKHY3PART2	Third-party tank connection kit for thermostat contact		o		o			
BZKA7V3	Bizone kit		o		o			
KRCS01-1	Remote indoor sensor	*(5)	o		o			
EKRSCA1	Remote sensor for outdoor	*(5)	o		o			
BRP069A61	LAN adapter for smartphone control		o		o			
BRP069A62	LAN adapter for smartphone control		o		o			
EKCC8-W	Universal centralised user interface		o		o			
EKHBCONV	Conversion kit: heating only to reversible.		o		o			
FWXV15AVEB	Heat pump convector	*(6)	o		o			
FWXV20AVEB	Heat pump convector	*(6)	o		o			
EKVKHPC	Heat pump convector valve kit		o		o			
EKRTWA	Wired room thermostat		o		o			
EKRTR1	Wireless room thermostat		o		o			
EKRTETS	External sensor room thermostat	*(7)	o		o			

Kit availability for outdoor units

		EPGA11DAV3	EPGA14DAV3	EPGA16DAV3
EKBPH140L7	Bottom plate heater	o	o	o

Kit availability for domestic hot water tanks

Reference	Description	*KHWP*	
KHWP	Domestic hot water tank with solar connection	500B	500PB
*KSRPS4A	Solar kit	o	o

Notes

(1) PCB that provides additional output connections:
  (a) Control external heat source (bivalent operation).
  (b) Output remote ON/OFF signal space heating/cooling
  (c) Remote alarm output
(2) Additional relays to allow bivalent control in combination with an external room thermostat are field-supplied.
(3) PCB to receive up to 4 digital inputs for power limitation
(4) Data cable for connection with PC.
(5) Only 1 remote sensor can be connected: indoor OR outdoor sensor.
(6) The valve kit is mandatory if a heat pump convector is installed on a reversible model (not mandatory for heating only models).
(7) EKRTETS can only be used in combination with *KRTR1
(8) The backup heater capacity depends on a user interface setting.
(9) Dedicated connection kit available.

Remark

Other combinations than mentioned in this combination table are prohibited.

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4 Capacity tables

4 - 1 Cooling Capacity Tables

EPGA011-016DV

Maximum cooling capacity

	T_{amb} [°C]	20		25		30		35		40		43	
	LWE [°C]	CC [kW]	PI [kW]	CC [kW]	PI [kW]	CC [kW]	PI [kW]	CC [kW]	PI [kW]	CC [kW]	PI [kW]	CC [kW]	PI [kW]
*PGA11DAV3	7	11,78	2,53	12,01	2,97	11,40	3,45	10,80	3,93	9,33	3,94	8,44	3,94
	10	12,70	2,35	13,18	2,96	12,18	3,32	11,18	3,67	9,36	3,58	8,28	3,53
	13	13,63	2,18	14,36	2,96	12,96	3,18	11,56	3,40	9,40	3,23	8,11	3,13
	15	14,52	2,15	15,24	2,86	13,75	3,13	12,25	3,39	10,17	3,30	8,93	3,24
	18	15,86	2,11	16,57	2,72	14,93	3,05	13,29	3,37	11,33	3,39	10,15	3,40
	22	17,64	2,06	18,34	2,53	16,51	2,94	14,67	3,35	12,87	3,52	11,79	3,63
*PGA14DAV3	7	13,23	3,10	13,51	3,61	12,83	3,99	12,15	4,37	10,49	4,40	9,50	4,42
	10	14,27	2,86	14,83	3,63	13,70	3,91	12,58	4,19	10,53	4,05	9,31	3,97
	13	15,30	2,63	16,15	3,66	14,58	3,83	13,00	4,01	10,58	3,70	9,12	3,51
	15	16,31	2,65	17,15	3,64	15,46	3,82	13,78	4,01	11,44	3,77	10,04	3,64
	18	17,83	2,69	18,64	3,63	16,79	3,81	14,95	4,00	12,74	3,89	11,42	3,82
	22	19,85	2,74	20,63	3,61	18,57	3,80	16,51	3,99	14,48	4,04	13,26	4,07
*PGA16DAV3	7	14,75	3,72	15,01	4,26	14,25	4,58	13,50	4,90	11,66	4,91	10,55	4,91
	10	15,90	3,41	16,48	4,32	15,23	4,54	13,97	4,77	11,70	4,54	10,34	4,40
	13	17,05	3,11	17,95	4,37	16,20	4,50	14,45	4,63	11,75	4,17	10,14	3,89
	15	18,16	3,19	19,05	4,45	17,18	4,55	15,31	4,64	12,72	4,26	11,16	4,03
	18	19,83	3,30	20,71	4,57	18,66	4,61	16,61	4,66	14,16	4,40	12,69	4,24
	22	22,05	3,46	22,92	4,73	20,63	4,70	18,34	4,68	16,09	4,58	14,73	4,52

Symbols

CC Cooling capacity at maximum operating frequency, measured according to EN 14511.
HC Heating capacity at maximum operating frequency, measured according to EN 14511
PI Power input is the total input of indoor and outdoor units, including the circulation pump; according to EN 14511.
LWE Leaving water evaporator temperature [°C]
LWC Leaving water condensor 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.
Capacity values may not be extrapolated below 7°C leaving water temperature.
Heating capacity
Capacity according to standard EN 14511 and valid for heated water range ΔT = 3~8°C.
Power input
Power input is the total input of indoor and outdoor units, including the circulation pump; according to EN 14511.

Notes

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

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4 Capacity tables

4 - 2 Heating Capacity Tables

EPGA011-016DV

Maximum heating capacity - integrated value

	LWC [°C]	30		35		40		45		50		55		60	
	T_{amb} [°C]	HC [kW]	PI [kW]	HC [kW]	PI [kW]	HC [kW]	PI [kW]	HC [kW]	PI [kW]	HC [kW]	PI [kW]	HC [kW]	PI [kW]	HC [kW]	PI [kW]
*PGA11DAV3	-20	12,28	4,91	11,65	5,04	11,03	5,17	10,41	5,30	9,12	5,15	7,83	5,00		
	-15	11,89	4,52	11,42	4,66	10,96	4,81	10,50	4,95	9,61	4,87	8,71	4,78		
	-7	11,26	3,91	11,06	4,07	10,86	4,22	10,66	4,38	10,39	4,41	10,12	4,43	8,75	4,15
	-2	10,76	3,09	10,91	3,47	11,06	3,84	11,21	4,22	10,82	4,37	10,42	4,51	9,71	4,51
	2	10,36	2,43	10,79	2,99	11,22	3,54	11,65	4,10	11,16	4,33	10,67	4,57	10,47	4,79
	7	14,50	2,52	14,57	3,08	14,64	3,64	14,71	4,20	14,95	4,73	15,19	5,26	12,42	4,65
	12	13,80	1,77	14,07	2,36	14,34	2,96	14,61	3,56	14,58	3,79	14,54	4,02		
	15	14,29	1,67	14,38	2,17	14,47	2,67	14,55	3,17	14,28	3,39	14,00	3,61		
	20	15,11	1,50	14,89	1,84	14,68	2,18	14,46	2,51	13,78	2,72	13,09	2,93		
*PGA14DAV3	-20	13,81	5,72	13,11	5,81	12,41	5,90	11,71	5,99	10,26	5,65	8,81	5,31		
	-15	13,37	5,21	12,85	5,33	12,33	5,46	11,81	5,58	10,81	5,37	9,80	5,16		
	-7	12,67	4,40	12,44	4,57	12,22	4,75	11,99	4,92	11,69	4,92	11,38	4,92	9,84	4,69
	-2	12,11	3,63	12,27	4,01	12,44	4,40	12,61	4,79	12,17	4,87	11,73	4,96	10,92	5,00
	2	11,66	3,01	12,14	3,56	12,62	4,12	13,10	4,68	12,55	4,84	12,00	4,99	11,78	5,24
	7	16,31	3,00	16,39	3,55	16,47	4,11	16,54	4,66	16,82	5,18	17,09	5,70	13,98	5,23
	12	15,53	2,07	15,83	2,70	16,13	3,34	16,44	3,98	16,40	4,25	16,36	4,51		
	15	16,08	1,94	16,18	2,48	16,28	3,02	16,37	3,56	16,06	3,81	15,75	4,06		
	20	17,00	1,74	16,76	2,12	16,51	2,49	16,27	2,86	15,50	3,09	14,73	3,31		
*PGA16DAV3	-20	15,34	6,54	14,56	6,60	13,79	6,66	13,01	6,71	11,40	6,27	9,79	5,82		
	-15	14,86	5,91	14,28	6,02	13,70	6,13	13,13	6,24	12,01	6,07	10,89	5,91		
	-7	14,08	4,89	13,83	5,08	13,57	5,28	13,32	5,47	12,98	5,76	12,65	6,05	10,94	5,75
	-2	13,45	4,57	13,64	4,56	13,82	4,95	14,01	5,35	13,52	5,58	13,03	5,81	12,14	5,78
	2	12,95	3,93	13,49	4,13	14,02	4,69	14,56	5,25	13,95	5,44	13,34	5,62	13,09	5,81
	7	18,12	3,78	18,21	4,01	18,30	4,58	18,38	5,15	18,69	5,75	18,99	6,35	15,53	5,80
	12	17,25	2,61	17,59	3,05	17,93	3,73	18,26	4,40	18,22	4,71	18,18	5,01		
	15	17,87	2,45	17,97	2,80	18,08	3,38	18,19	3,96	17,85	4,24	17,50	4,52		
	20	18,89	2,18	18,62	2,40	18,35	2,81	18,07	3,22	17,22	3,46	16,36	3,71		

Maximum heating capacity - peak values

	LWC [°C]	30		35		40		45		50		55		60	
	T_{amb} [°C]	HC [kW]	PI [kW]	HC [kW]	PI [kW]	HC [kW]	PI [kW]	HC [kW]	PI [kW]	HC [kW]	PI [kW]	HC [kW]	PI [kW]	HC [kW]	PI [kW]
*PGA11DAV3	-20	12,28	4,93	11,65	5,03	11,03	5,12	10,41	5,21	9,12	5,11	7,83	5,00		
	-15	13,56	4,73	12,90	4,86	12,24	4,99	11,58	5,12	10,36	5,06	9,14	5,01		
	-7	15,61	4,41	14,90	4,60	14,18	4,78	13,47	4,97	12,35	4,99	11,22	5,02	10,18	4,99
	-2	15,33	3,45	15,08	3,85	14,83	4,25	14,58	4,65	13,35	4,80	12,11	4,96	11,48	5,20
	2	15,12	2,69	15,23	3,25	15,35	3,82	15,46	4,39	14,14	4,65	12,82	4,91	12,52	5,36
	7	14,50	2,52	14,57	3,08	14,64	3,64	14,71	4,20	14,95	4,73	15,19	5,26	12,42	4,65
	12	13,80	1,77	14,07	2,36	14,34	2,96	14,61	3,56	14,58	3,79	14,54	4,02		
	15	14,29	1,67	14,38	2,17	14,47	2,67	14,55	3,17	14,28	3,39	14,00	3,61		
	20	15,11	1,50	14,89	1,84	14,68	2,18	14,46	2,51	13,78	2,72	13,09	2,93		
*PGA14DAV3	-20	13,81	5,72	13,11	5,80	12,41	5,88	11,71	5,96	10,26	5,63	8,81	5,31		
	-15	15,25	5,56	14,51	5,65	13,77	5,74	13,03	5,83	11,66	5,63	10,28	5,43		
	-7	17,56	5,30	16,76	5,41	15,96	5,52	15,16	5,62	13,89	5,63	12,63	5,63	11,45	5,54
	-2	17,25	4,12	16,97	4,48	16,68	4,85	16,40	5,21	15,01	5,37	13,63	5,53	12,91	5,70
	2	17,01	3,18	17,14	3,75	17,27	4,31	17,40	4,88	15,91	5,17	14,43	5,45	14,09	5,83
	7	16,31	3,00	16,39	3,55	16,47	4,11	16,54	4,66	16,82	5,18	17,09	5,70	13,98	5,23
	12	15,53	2,07	15,83	2,70	16,13	3,34	16,44	3,98	16,40	4,25	16,36	4,51		
	15	16,08	1,94	16,18	2,48	16,28	3,02	16,37	3,56	16,06	3,81	15,75	4,06		
	20	17,00	1,74	16,76	2,12	16,51	2,49	16,27	2,86	15,50	3,09	14,73	3,31		
*PGA16DAV3	-20	15,34	6,54	14,56	6,60	13,79	6,66	13,01	6,71	11,40	6,27	9,79	5,82		
	-15	16,95	6,42	16,12	6,47	15,30	6,51	14,48	6,55	12,95	6,32	11,42	6,09		
	-7	19,51	6,24	18,62	6,25	17,73	6,27	16,84	6,28	15,43	6,40	14,03	6,52	12,72	6,29
	-2	19,17	6,03	18,85	5,75	18,54	6,02	18,22	6,28	16,68	6,36	15,14	6,44	14,35	6,40
	2	18,90	5,37	19,04	5,35	19,19	5,82	19,33	6,28	17,68	6,33	16,03	6,38	15,65	6,48
	7	18,12	3,78	18,21	4,01	18,30	4,58	18,38	5,15	18,69	5,75	18,99	6,35	15,53	5,80
	12	17,25	2,61	17,59	3,05	17,93	3,73	18,26	4,40	18,22	4,71	18,18	5,01		
	15	17,87	2,45	17,97	2,80	18,08	3,38	18,19	3,96	17,85	4,24	17,50	4,52		
	20	18,89	2,18	18,62	2,40	18,35	2,81	18,07	3,22	17,22	3,46	16,36	3,71		

Symbols

CC Cooling capacity at maximum operating frequency, measured according to EN 14511.
HC Heating capacity at maximum operating frequency, measured according to EN 14511
PI Power input is the total input of indoor and outdoor units, including the circulation pump; according to EN 14511.
LWE Leaving water evaporator temperature [°C]
LWC Leaving water condensor 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.
Capacity values may not be extrapolated below 7°C leaving water temperature.
Heating capacity
Capacity according to standard EN 14511 and valid for heated water range ΔT = 3~8°C.
Power input
Power input is the total input of indoor and outdoor units, including the circulation pump; according to EN 14511.

Notes

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

4D121032A

4 Capacity tables

4 - 3 Certification Programs

EPGA011-016DV

Rated data for certification programmes - heating mode

Tamb [°C]	EWC [°C]	LWC [°C]	EPGA11DAV3 HC [kW]	COP	EPGA14DAV3 HC [kW]	COP	EPGA16DAV3 HC [kW]	COP	Used for:
7/6	30	35	11,10	5,15	14,54	4,99	16,50	4,78	Keymark, EHPA
2/1	(30)	35	11,34	3,47	12,66	3,30	13,12	3,20	EHPA
-7/-8	(30)	35	11,12	3,06	13,17	2,81	14,50	2,79	General
7/6	40	45	11,29	3,88	14,47	3,65	15,61	3,71	General
7/6	47	55					15,84	3,06	Keymark, EHPA

Rated data for certification programmes - domestic hot water performance

Outdoor unit		EPGA(11/14/16)DAV3		Used for:
Indoor unit		EAV*16S18DA*	EAV*16S23DA*	
Application		Average climate	Average climate	
Domestic hot water tank volume [l]		180L	230L	
Tapping pattern		L	XL	
Heat-up time (hh:mm:ss)		00:57:00	01:04:36	
ϑ_{wh}	[°C]	52,5	52,5	Keymark
P_{es}	[W]	32,8	35,1	
V_{eq40}	[l]	240	286	
η_{wh}	[%]	104,2	111,5	
COP_{DHW}	[]	2,51	2,71	

Rated data for certification programmes - cooling mode

Tamb [°C]	EWE [°C]	LWE [°C]	EPGA11DAV3 CC [kW]	EER	EPGA14DAV3 CC [kW]	EER	EPGA16DAV3 CC [kW]	EER	Used for:
35	23	18	10,51	4,8	11,10	4,1	13,50	3,94	General
35	12	7	10,66	3,2	11,89	3	11,89	2,99	DAPT General

Symbols

HC	Heating capacity measured according to EN 14511	
CC	Cooling capacity, measured according to ·EN 14511·.	
COP/EER	Coefficient of Performance/Energy efficiency ratio according to EN 14511.	
EWC	Entering water condenser temperature [°C]	
LWC	Leaving water condensor temperature [°C]	
EWE	Entering water evaporator temperature [°C]	
LWE	Leaving water evaporator temperature [°C]	
Tamb	Ambient temperature [°C DB/WB]	
ϑ_{wh}	Reference Domestic hot water temperature [°C]	According to EN16147.
P_{es}	Standby power input	According to EN16147.
V_{eq40}	Equivalent domestic hot water volume [l]	According to EN16147.
η_{wh}	Efficiency [%] Domestic hot water heating mode	According to EN16147.
COP_{DHW}	Domestic hot water COP	

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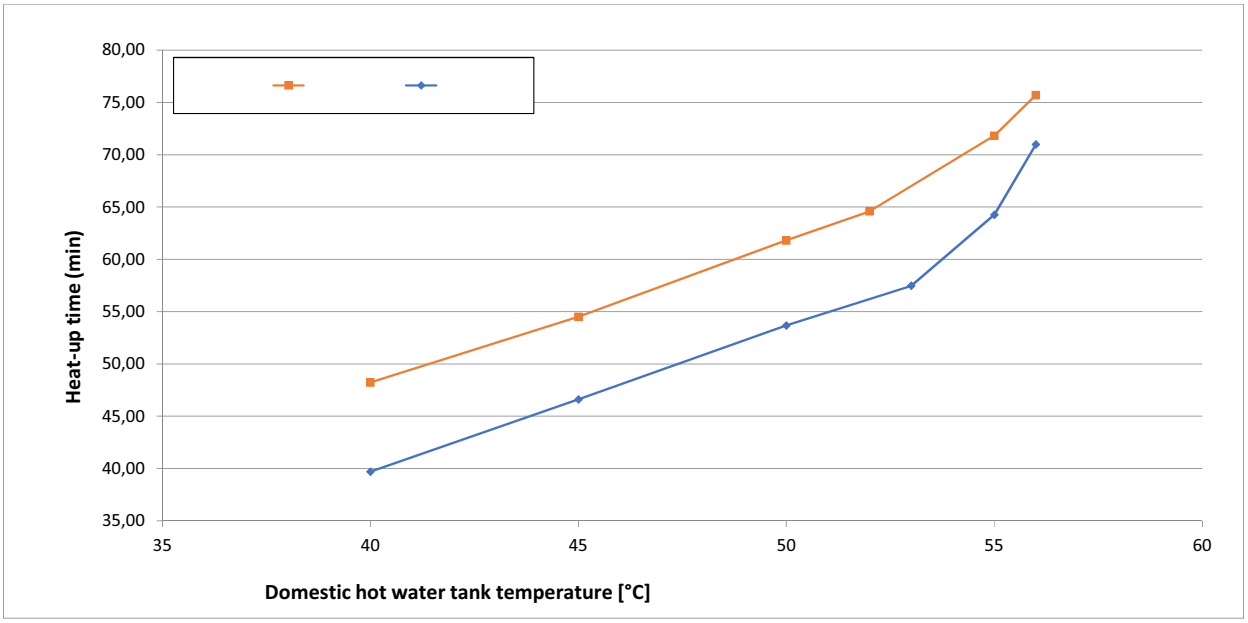
4 Capacity tables

4 - 4 Domestic Hot Water performance

EPGA011-016DV

Heat-up times



Notes

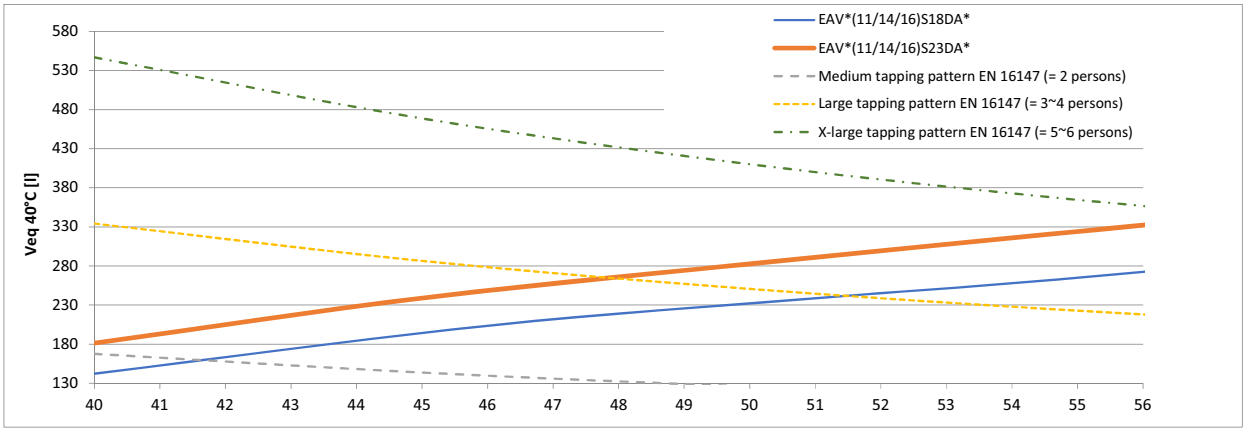
1. Time the indoor unit (**heat pump only operation**) requires to heat up the domestic hot water tank from 10°C to the indicated temperature.

   See the operation range for maximum domestic hot water tank temperature during heat pump only operation.

Model name	Heat-up time domestic hot water tank until 45°C
EAV*(11/14/16)S18DA*	·46· min.
EAV*(11/14/16)S23DA*	·55· min.

Selection guide for the domestic hot water tank volume (1)

Veq 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 Veq 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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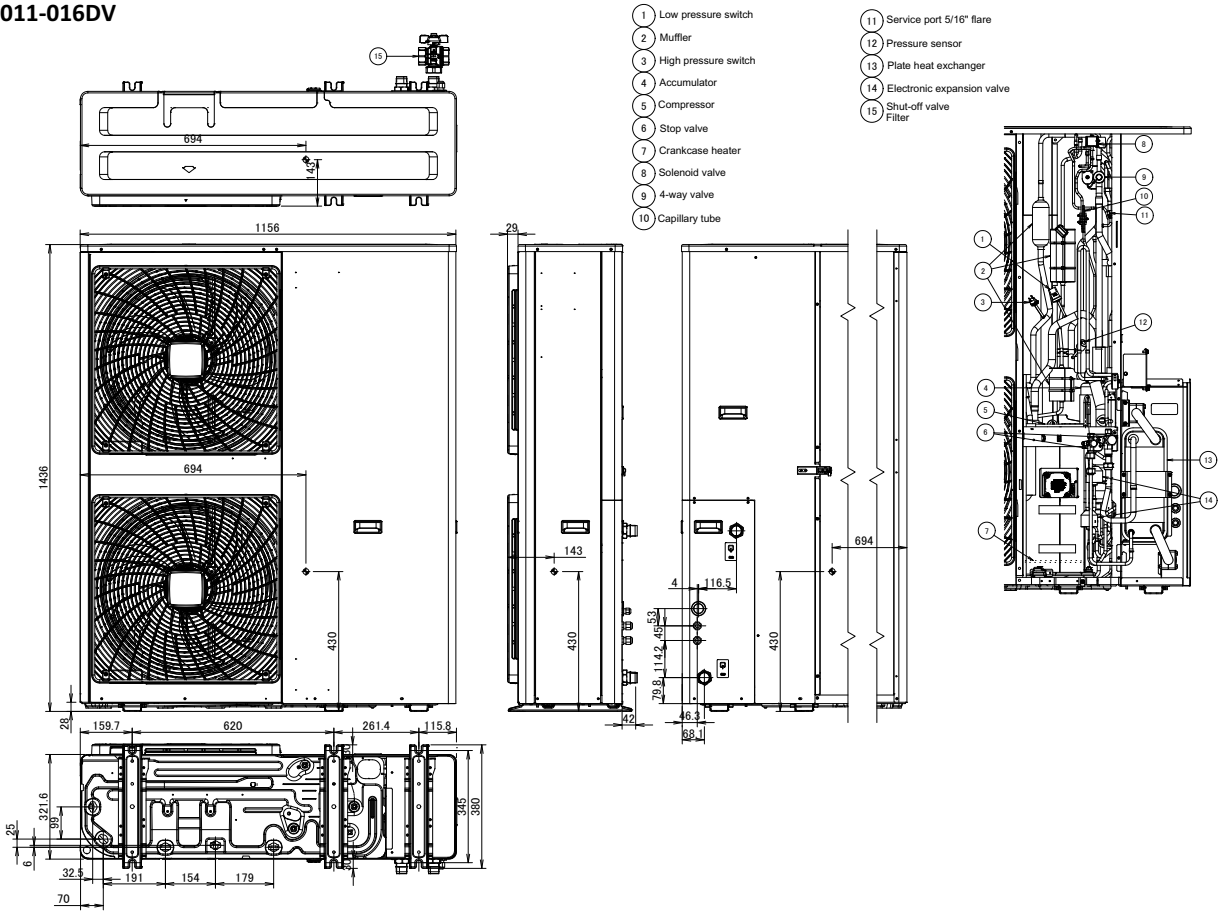
5 Dimensional drawings

5 - 1 Dimensional Drawings

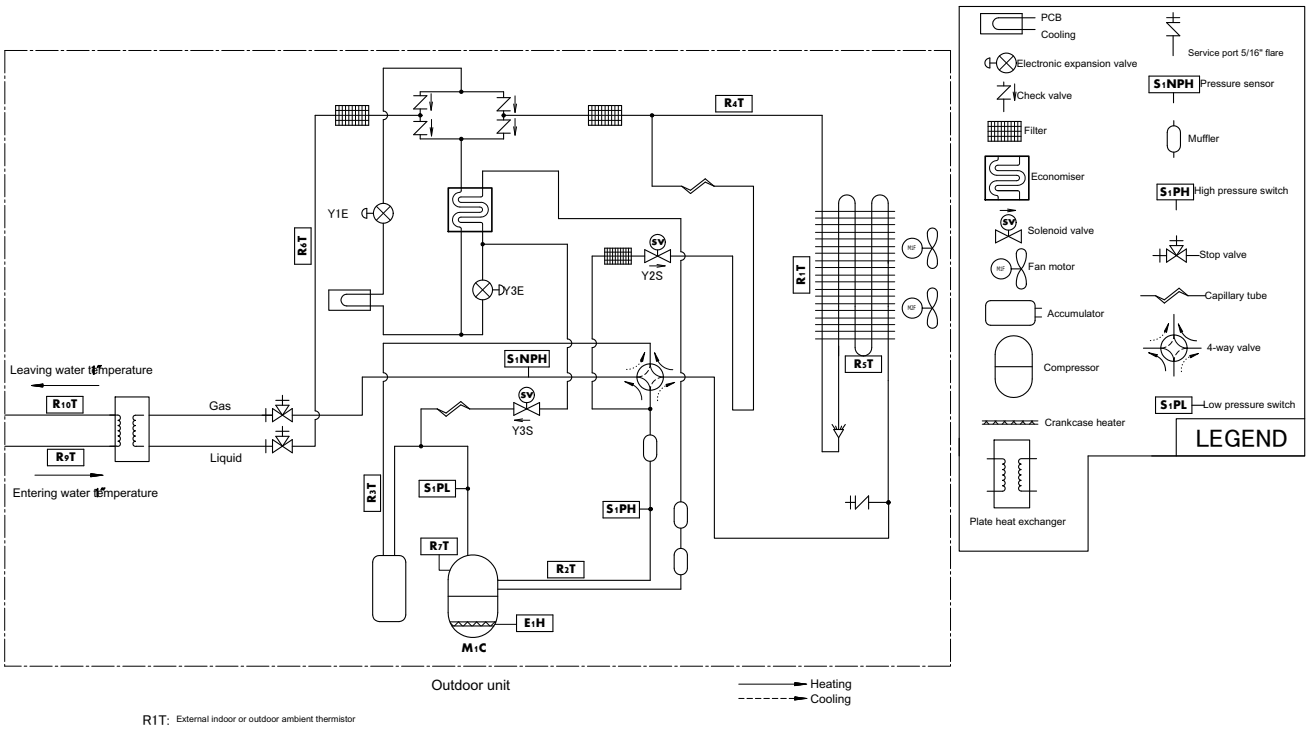
EPGA011-016DV



6 Piping diagrams

6 - 1 Piping Diagrams

EPGA011-016DV



R1T: External indoor or outdoor ambient thermistor
R2T: Thermistor (discharge)
R3T: Thermistor (suction)
R4T: Thermistor (heat exchanger, liquid pipe)
R5T: Thermistor (heat exchanger middle)
R6T: Thermistor (liquid)
R7T: Thermistor (compressor body)
R9T: Inlet water thermistor
R10T: Outlet water thermistor

Y1E: Electronic expansion valve (main)
Y3E: Electronic expansion valve (injection)
Y1S: Solenoid valve (4-way valve)
Y2S: Solenoid valve (hot gas pass)
Y3S: Solenoid valve (injection bypass)

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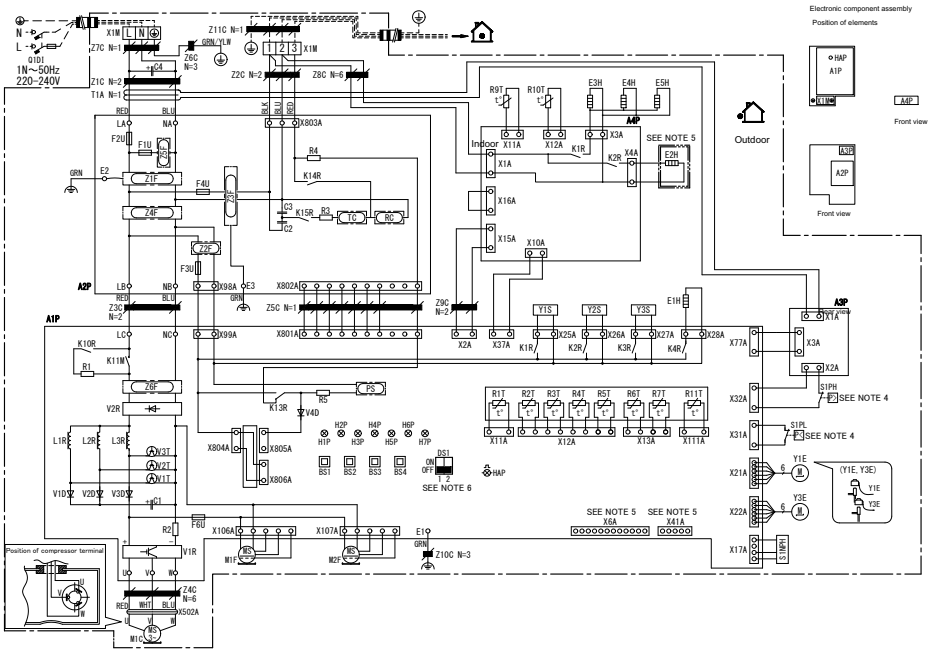
7 Wiring diagrams

7 - 1 Wiring Diagrams - Single Phase

EPGA011-016DV



A1P	Printed circuit board (main)
A2P	Printed circuit board
A3P	Printed circuit board
A4P	Printed circuit board
BS1 ~ BS4 (A1P)	Push-button switch
C1 ~ C4 (A1P, A2P)	Capacitor
DS1 (A1P)	DIP switch
E1H	Bottom plate heate
E2H	Bottom plate heater (option)
E3H ~ E5H	Bottom plate
F1U ~ F4U (A2P)	Fuse (optio
F6U (A1P)	Fuse
H1P ~ H7P (A1P)	Light-emitting diode (service monitor is orange)
HAP (A1P)	Light-emitting diode (service monitor is green)
K1R (A1P)	Magnetic relay
K1R (A4P)	Magnetic relay
K2R (A1P)	Magnetic relay
K2R (A4P)	Magnetic relay
K3R (A1P)	Magnetic relay
K4R (A1P)	Magnetic relay
K10R (A1P)	Magnetic relay
K11M (A1P)	Magnetic contactor
K13R ~ K15R (A1P,A2P)	Magnetic relay
L1R ~ L3R (A1P)	Reactor
M1C	Motor (compressor)
M1F	Motor (fan)(upper)
M2F	Motor (fan)(lower)
PS (A1P)	Switching power supply
Q1DI	Resistor
R1 ~ R5 (A1P,A2P)	Resistor
R1T	Thermistor (air)
R2T	Thermistor (discharge)
R3T	Thermistor (suction)
R4T	Thermistor (heat exchanger)
R5T	Thermistor (heat exchanger middle)
R6T	Thermistor (liquid)
R7T	Thermistor (fin)
R9T	Thermistor (fin)
R10T	Thermistor (fin)
R11T	Thermistor (fin)
RC (A2P)	Signal receiver circuit
S1NPH	High pressure switch
S1PH	High pressure switch
S1PL	High pressure switch
T1A	Signal transmis
TC (A2P)	Signal transmission circuit
V1D ~ V4D (A1P)	Diode
V1R (A1P)	IGBT power module
V2R (A1P)	Diode module
V1T ~ V3T (A1P)	Insulated Gate Bipolar Transistor (IGBT)
X1M	Terminal strip
Y1E	Electronic expansion valve
Y3E	Electronic expansion valve
Y1S	Solenoid valve (4-way valve)
Y2S	Solenoid valve (4-way valve)
Y3S	Noise filter (ferrite core)
Z1C ~ Z11C	Noise filter (ferrite core)
Z1F ~ Z6F (A1P,A2P)	Noise filter

Notes
1. L: Live N: Neutral Protective earth Noiseless earth
   Field wiring Option
   Terminal strip Terminal Connector Connection
2. Colours: blk:black; red:red; blu:blue; wht:white; grn:green; ylw:yellow; brn:brown; org:orange; pnk:pink
3. This wiring diagram applies only to the outdoor unit.
4. When operating, do not short-circuit protection device(s) _____.
5. Refer to the combination table and the option manual for how to connect the wiring to _____ and _____
6. Refer to the service manual for instructions on how to set the selector switches (DS1). The factory setting of all switches is OFF.

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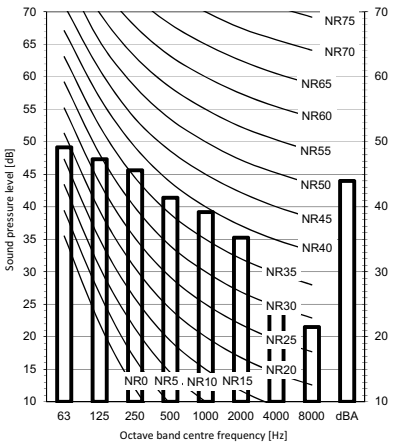
8 Sound data

8 - 1 Sound Level Data

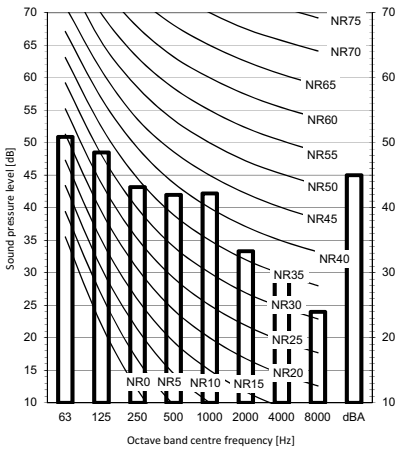
EPGA011-016DV

Cooling: Low Sound Mode 2

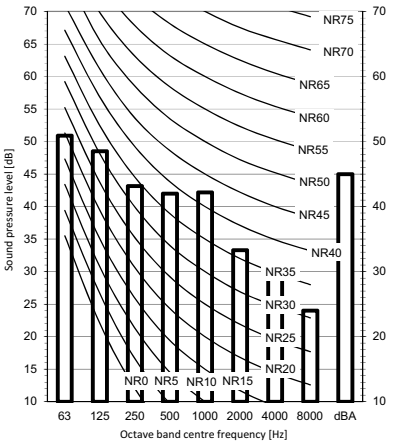
EPGA11*

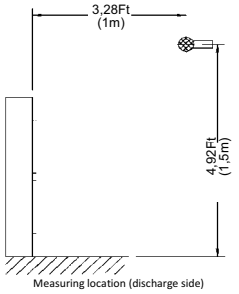


EPGA14*



EPGA16*





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.

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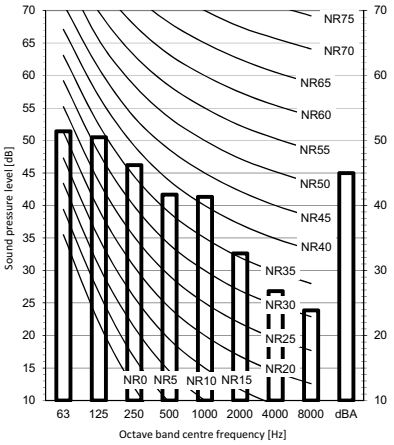
8 Sound data

8 - 1 Sound Level Data

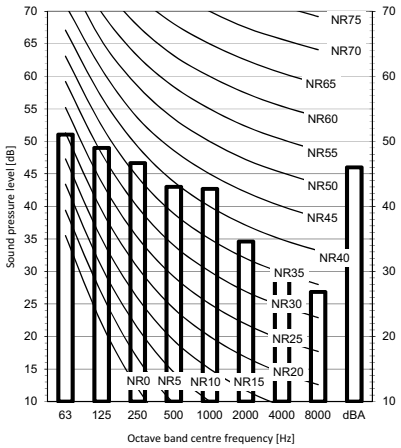
EPGA011-016DV

Heating: Low Sound Mode 2

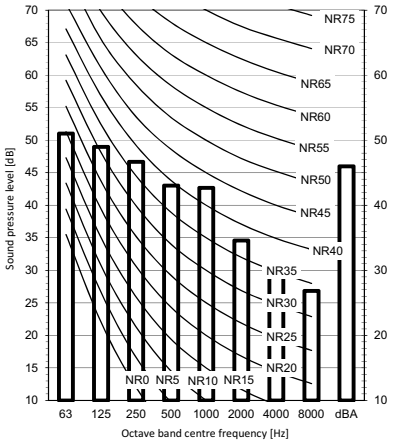
EPGA11*

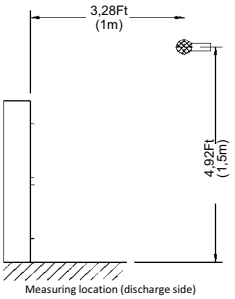


EPGA14*



EPGA16*





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.

3D121460

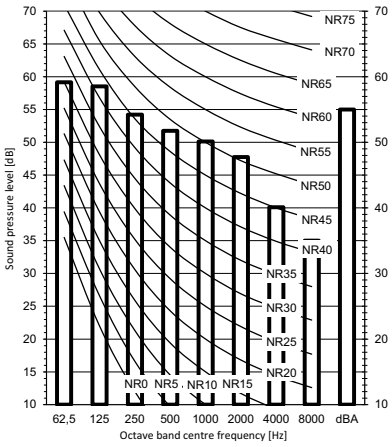
8 Sound data

8 - 2 Sound Pressure Spectrum

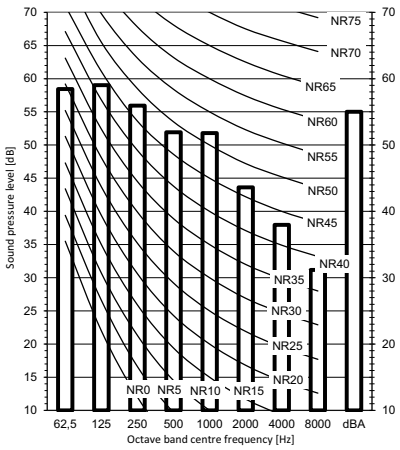
EPGA011-016DV

Cooling Sound

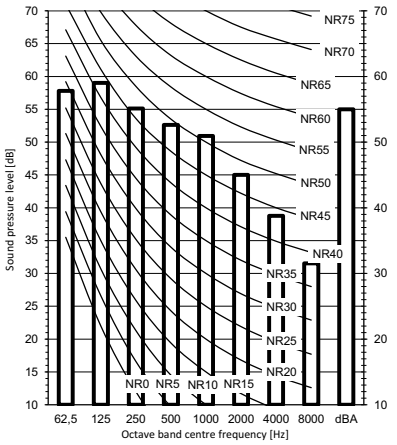
EPGA11*

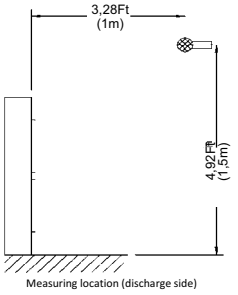


EPGA14*



EPGA16*





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.

3D121459

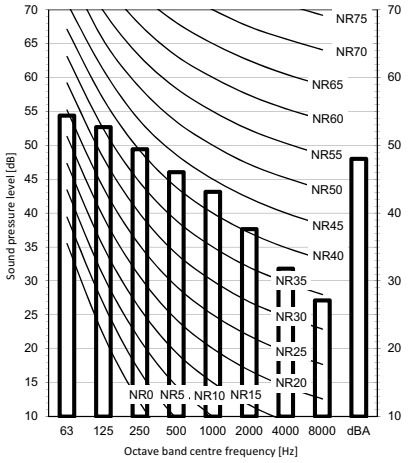
8 Sound data

8 - 2 Sound Pressure Spectrum

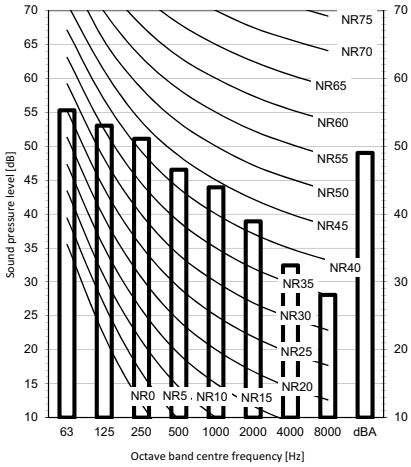
EPGA011-016DV

Heating Sound

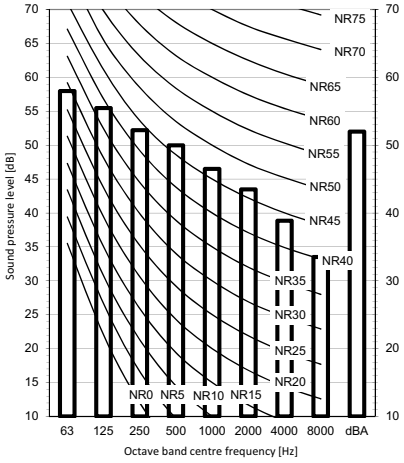
EPGA11*

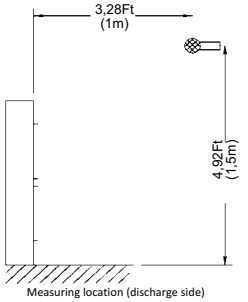


EPGA14*



EPGA16*





Notes

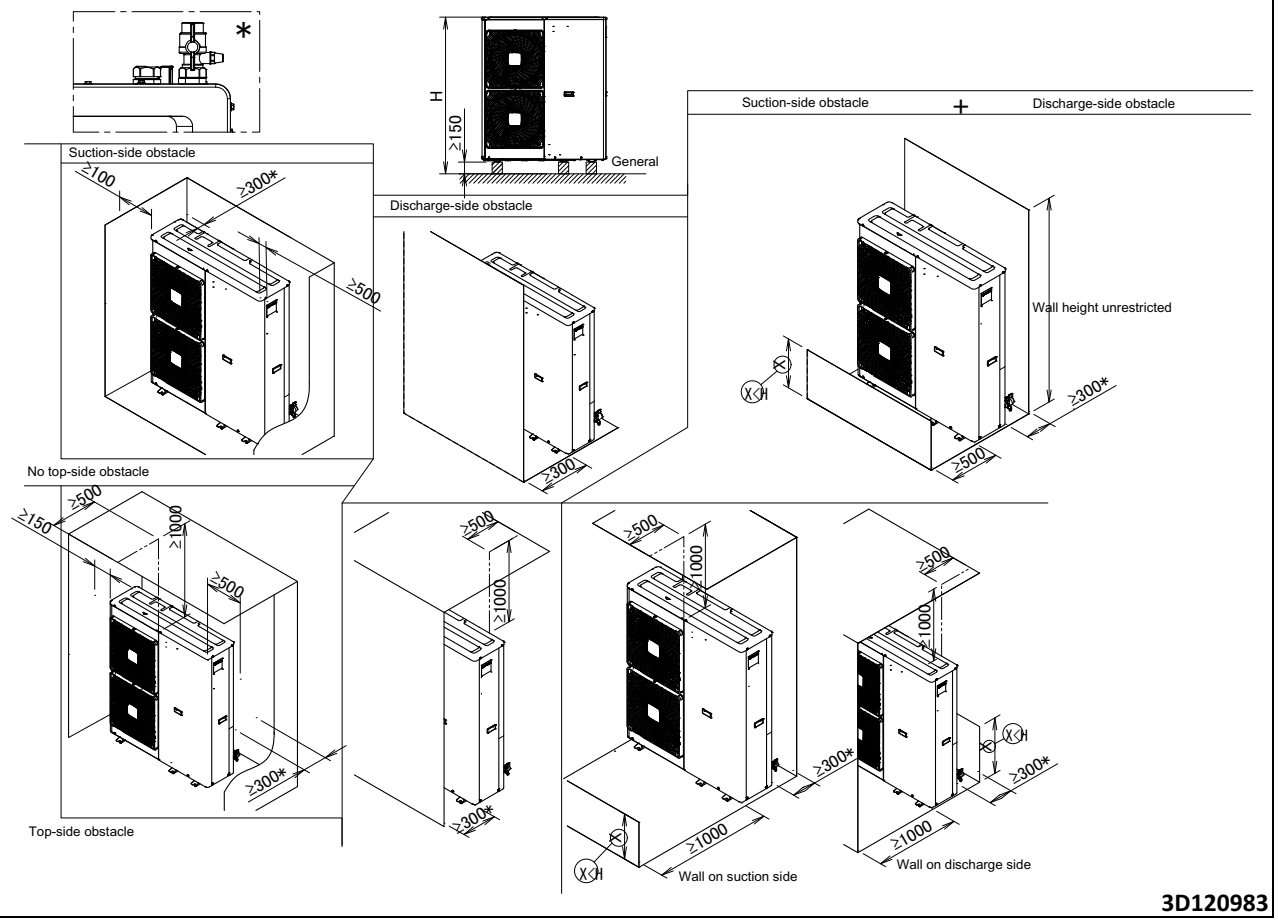
1. Data is valid at free field condition.
   Measured in a semi-anechoic chamber
2. Data is valid at nominal operation condition.
3. dBA = A-weighted sound pressure level (A scale according to IEC).
4. Reference acoustic pressure 0 dB = 20 µPa
5. If the sound is measured under actual installation conditions,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

3D121461

9 Installation

9 - 1 Service Space

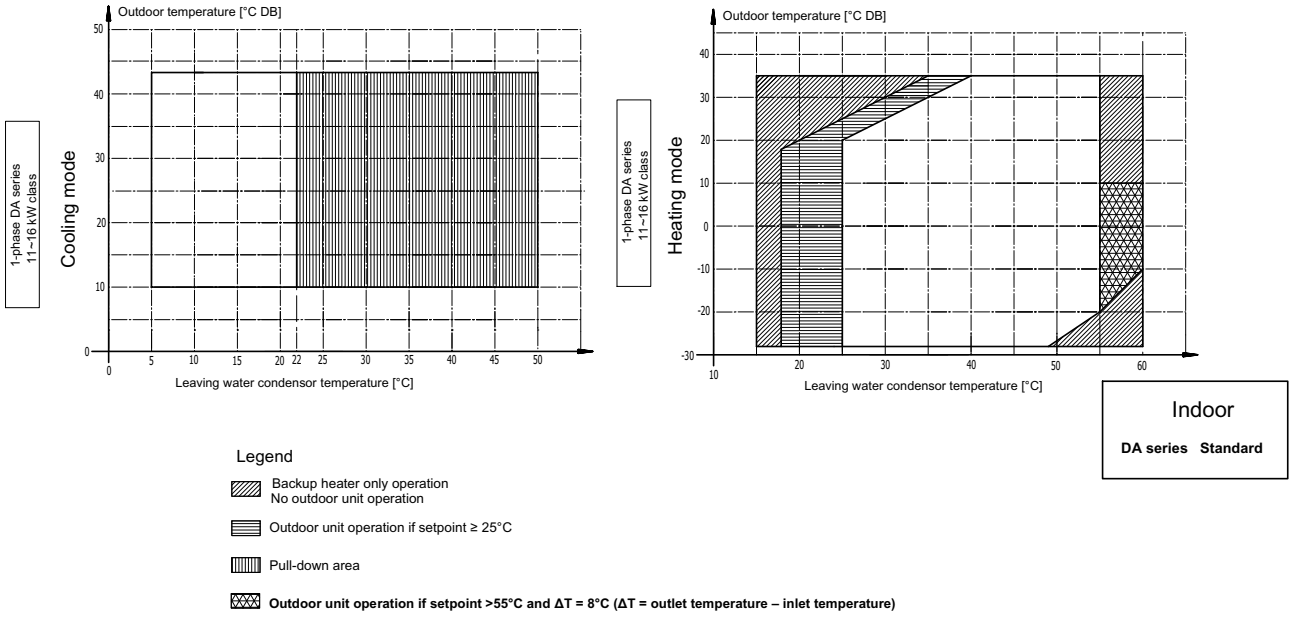
EPGA011-016DV



10 Operation range

10 - 1 Operation Range

EPGA011-016DV



Legend

- Backup heater only operation
  No outdoor unit operation
- Outdoor unit operation if setpoint ≥ 25°C
- Pull-down area
- **Outdoor unit operation if setpoint >55°C and ΔT = 8°C (ΔT = outlet temperature – inlet temperature)**

Remark

In restricted power supply mode, the outdoor unit, booster heater and backup heater can only operate separately.

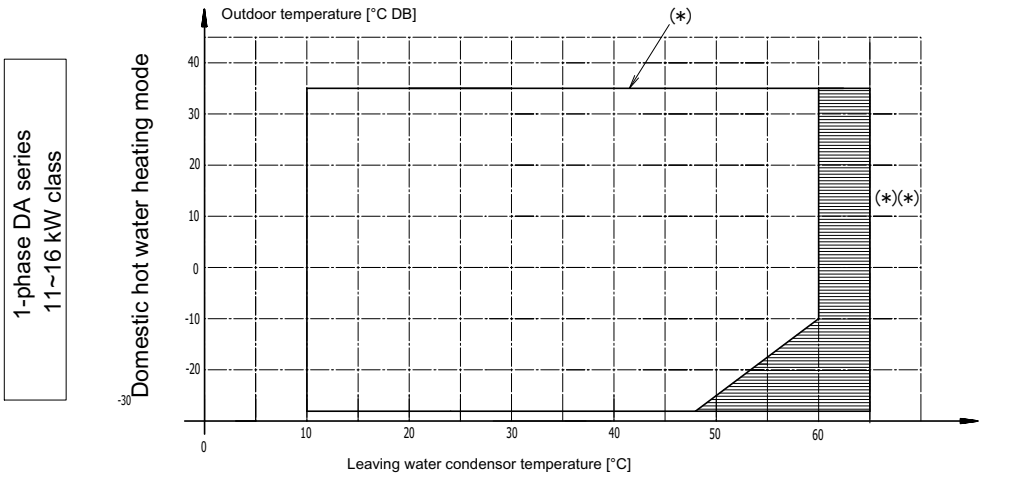
Warning

In areas with low ambient temperatures and high humidity, or in areas with heavy snowfall, remove the suction grille to ensure proper operation.

Non-exhaustive list of areas: Austria, Czech Republic, Denmark, Estonia, Finland, Germany, Hungary, Latvia, Lithuania, Norway, Poland, Romania, Serbia, Slovakia, Sweden, …

3D121180A

EPGA011-016DV



Legend

- Backup heater only operation (or booster heater, if part of the system) to reach a tank temperature of 60°C.

(*) System operation: the system consists of an outdoor unit and indoor unit, and depending on the system, a booster heater and/or a backup heater.

In heat pump only operation, the heat pump can create a maximum domestic hot water temperature up to 56°C (depending on outdoor ambient condition).

(*)(*) Tank temperature up to 75°C only possible with booster heater only operation (if available in the system).

Remark

In restricted power supply mode (EKHW* only), the outdoor unit, booster heater and backup heater can only operate separately.

3D121181

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