



Annex D1

Data sheet template

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Certificate data	
Certificate holder name	Daikin Europe N.V.
Address	Zandvoordestraat 300. 8400 Oostende Belgium
Type of heat pump	Air/Water
Reg. No.	011-1W0098
Certification Body	DIN CERTCO Gesellschaft für Konformitätsbewertung mbH
Name of testing laboratory	CETIAT

Annex D1
Data sheet template

Air/water heat pumps

	EHSX08P30B / ERLQ008C*V3	EHSX08P50B / ERLQ008C*V3	EHSXB08P30B / ERLQ008C*V3	EHSXB08P50B / ERLQ008C*V3
	HPSU Compact 308 / RRLQ008C*V3	HPSU Compact 508 / RRLQ008C*V3	HPSU Compact 308 Biv / RRLQ008C*V3	HPSU Compact 508 Biv / RRLQ008C*V3
General data				
Refrigerant	R-410A	R-410A	R-410A	R-410A
Mass of refrigerant [kg]	1.6	1.6	1.6	1.6
GWP according to EU Nr. 517/2014 [CO ₂ eq]	2,087.5	2,087.5	2,087.5	2,087.5
Frequency [Hz]	50	50	50	50
Voltage [V]	230	230	230	230
Test points EN 14511-2 Air/Water heat pump				
A7/W35				
heat output [kW]	7.78	7.78	7.78	7.78
El input [kW]	1.69	1.69	1.69	1.69
COP	4.60	4.60	4.60	4.60
A7/W55				
heat output [kW]	4.58	4.58	4.58	4.58
El input [kW]	1.70	1.70	1.70	1.70
COP	2.69	2.69	2.69	2.69

Test points EN 14511-4				
operating Range A/W... lower limit-lower limit (min)				
Please state if the requirement is passed or failed	Passed	Passed	Passed	Passed
operating Range A/W... upper limit- upper limit (min)				
Please state if the requirement is passed or failed	Passed	Passed	Passed	Passed
Shutting off the heat transfer medium flow				
Please state if the requirement is passed or failed	Passed	Passed	Passed	Passed
Complete power supply failure				
Please state if the requirement is passed or failed	Passed	Passed	Passed	Passed
Defrost test only for AirT Water heat pumps (if applicable)				
Please state if the requirement is passed or failed	n/a	n/a	n/a	n/a

Average Climate Medium temperature application				
Declared values EN 14825				
Tbiv [°C]				
heat output [kW]	5.8	5.8	5.8	5.8
El input [kW]	2.46	2.46	2.46	2.46
COP	2.36	2.36	2.36	2.36
Sound power level according EN 12102				
Sound power level indoor if relevant [dB(A)]	39	39	39	39
Sound power level outdoor [dB(A)]	62	62	62	62
Declared data regarding ErP regulation				
η _s	128	128	128	128
Prated [kW]	8	8	8	8
SCOP	3.28	3.28	3.28	3.28
Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature Tj				
P _{dh} : Tj = - 7 °C [kW]	5.4	5.4	5.4	5.4
COP _d : Tj = - 7 °C	2.10	2.10	2.10	2.10
P _{dh} : Tj = +2 °C [kW]	3.9	3.9	3.9	3.9
COP _d : Tj = + 2 °C	3.25	3.25	3.25	3.25
P _{dh} : Tj = +7 °C [kW]	2.6	2.6	2.6	2.6
COP _d : Tj = + 7 °C	4.42	4.42	4.42	4.42
P _{dh} : Tj = +12 °C [kW]	2.0	2.0	2.0	2.0
COP _d : Tj = + 12 °C	5.99	5.99	5.99	5.99
P _{dh} : Tj = bivalent temperature [kW]	5.8	5.8	5.8	5.8
COP _d : Tj = bivalent temperature [kW]	2.36	2.36	2.36	2.36
P _{dh} : Tj = - 15 °C (if TOL < - 20 °C) [kW]	n/a	n/a	n/a	n/a
COP _d : Tj = - 15 °C (if TOL < - 20 °C)	n/a	n/a	n/a	n/a
Tbiv [°C]	-4	-4	-4	-4
TOL [°C]	-10	-10	-10	-10
WTOL [°C]	55	55	55	55
Annual energy consumption QHE [kWh]	4,725	4,725	4,725	4,725
Power input „compressor off“ [kW] (if applicable)	n/a	n/a	n/a	n/a
P _{OFF} [W]	12	12	12	12
P _{TO} [W]	48	48	48	48
P _{SB} [W]	12	12	12	12
P _{CK} [W]	0.0	0.0	0.0	0.0
P _{SUP} [W]	2.4	2.4	2.4	2.4
Type of energy input (e.g. electricity)	Electrical	Electrical	Electrical	Electrical

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General data				
Refrigerant	R-410A	R-410A	R-410A	R-410A
Mass of refrigerant [kg]	1.6	1.6	1.6	1.6
GWP	2,087.5	2,087.5	2,087.5	2,087.5
Frequency [Hz]	50	50	50	50
Voltage [V]	230	230	230	230
Off-peak product (yes/no)	Yes	Yes	Yes	Yes
Technical data – average climate				
Declared load profil	L	XL	L	XL
Efficiency η _{dhw} in %	90	96	90	99
Heating up time h:min	01:25	02:08	01:25	02:08
Standby power input W	41	39.47	41	36.44
Reference hot water temperature °C	45.6	45.2	45.6	45
Mixed water at 40°C	155	237	155	211
Sound power level indoor if relevant [dB(A)]	39	39	39	39
Sound power level outdoor [dB(A)]	62	62	62	62