Annex D1
Data sheet template

CONTENTS

1 Air/Water heat pumps
2 Heat pumps for Domestic Hot Water (DHW)

Certificate data	
Certificate holder name	Daikin Europe N.V.
Address	Zandvoordestraat 300. 8400 Oostende Belgium
Type of heat pump	Air/Water
Reg. No.	011-1W0078
Certification Body	DIN CERTCO Gesellschaft für Konformitätsbewertung mbH
Name of testing laboratory	SP Technical Research Institute of Sweden

Air/water heat pumps

	EHBH16CB * / ERLQ016C*W1 RHBH16CB * / RRLQ016C*W1	EHBX16CB * / ERLQ016C*W1 RHBX16CB * / RRLQ016C*W1	EHVH16S*18CB * / ERLQ016C*W1	EHVH16S*26CB * / ERLQ016C*W1	EHVX16S*18CB * / ERLQ016C*W1	EHVX16S*26CB * / ERLQ016C*W1	EHVZ16S*18CB * / ERLQ016C*W1
General data							
Refrigerant	R-410A	R-410A	R-410A	R-410A	R-410A	R-410A	R-410A
Mass of refrigerant [kg]	3.4	3.4	3.4	3.4	3.4	3.4	3.4
GWP according to EU Nr. 517/2014 [CO2eq]	2,087.5	2,087.5	2,087.5	2,087.5	2,087.5	2,087.5	2,087.5
Frequency [Hz]	50	50	50	50	50	50	50
Voltage [V]	400	400	400	400	400	400	400
Test points EN 14511-2 Air/Water heat pump							
A7/W35							
heat output [kW]	16.0	16.0	16.0	16.0	16.0	16.0	15.9
El input [kW]	3.76	3.76	3.76	3.76	3.76	3.76	3.77
COP	4.25	4.25	4.25	4.25	4.25	4.25	4.22
A7/W55							
heat output [kW]	15.04	15.04	15.04	15.04	15.04	15.04	15.04
El input [kW]	5.37	5.37	5.37	5.37	5.37	5.37	5.37
COP	2.80	2.80	2.80	2.80	2.80	2.80	2.80

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	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	Passed	Passed	Passed
Shutting off the heat transfer medium flow							
Please state if the requirement is passed or failed	Passed	Passed	Passed	Passed	Passed	Passed	Passed
Complete power supply failure							
Please state if the requirement is passed or failed	Passed	Passed	Passed	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	n/a	n/a	n/a

Average Climate Low temperature application							
Declared values EN 14825							
T_{biv} [°C]	**T_{biv} at low temperature conditions**						
heat output [kW]	12.1	12.1	12.1	12.1	12.1	12.1	12.1
El input [kW]	4.73	4.73	4.73	4.73	4.73	4.73	4.73
COP	2.56	2.56	2.56	2.56	2.56	2.56	2.56
Sound power level according EN 12102							
Sound power level indoor if relevant) [dB(A)]	44.0	44.0	44.0	44.0	44.0	44.0	44.0
Sound power level outdoor [dB(A)]	66.0	66.0	66.0	66.0	66.0	66.0	66.0
Declared data regarding ErP regulation							
ηs	149	149	149	149	149	149	149
Prated [kW]	16.0	16.0	16.0	16.0	16.0	16.0	16.0
SCOP	3.80	3.80	3.80	3.80	3.80	3.80	3.80
Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature Tj							
Pdh: Tj = - 7 ºC [kW]	12.4	12.4	12.4	12.4	12.4	12.4	12.4
COPd: Tj = - 7 ºC	2.33	2.33	2.33	2.33	2.33	2.33	2.33
Pdh: Tj = +2 ºC [kW]	8.62	8.62	8.62	8.62	8.62	8.62	8.62
COPd: Tj = + 2 ºC	3.74	3.74	3.74	3.74	3.74	3.74	3.74
Pdh: Tj = +7 ºC [kW]	5.74	5.74	5.74	5.74	5.74	5.74	5.74
COPd: Tj = + 7 ºC	6.77	6.77	6.77	6.77	6.77	6.77	6.77
Pdh: Tj = +12 ºC [kW]	6.50	6.50	6.50	6.50	6.50	6.50	6.50
COPd: Tj = + 12 ºC	8.97	8.97	8.97	8.97	8.97	8.97	8.97
Pdh: Tj = bivalent temperature [kW]	12.1	12.1	12.1	12.1	12.1	12.1	12.1
COPd: Tj = bivalent temperature [kW]	2.56	2.56	2.56	2.56	2.56	2.56	2.56
Pdh: Tj = - 15 ºC (if TOL < - 20 ºC) [kW]	n/a	n/a	n/a	n/a	n/a	n/a	n/a
COPd: Tj = - 15 ºC (if TOL < - 20 ºC)	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Tbiv [°C]	-4.00	-4.00	-4.00	-4.00	-4.00	-4.00	-4.00
TOL [°C]	-10.0	-10.0	-10.0	-10.0	-10.0	-10.0	-10.0
WTOL [°C]	35.0	35.0	35.0	35.0	35.0	35.0	35.0
Annual energy consumption QHE [kWh]	8,270	8,270	8,270	8,270	8,270	8,270	8,270
Power input „compressor off" [kW]	n/a	n/a	n/a	n/a	n/a	n/a	n/a
P_{OFF} [W]	55	55	55	55	55	55	55
P_{TO} [W]	57	57	57	57	57	57	57
P_{SB} [W]	55	55	55	55	55	55	55
P_{CK} [W]	55	55	55	55	55	55	55
P_{SUP} [W]	4350	4350	4350	4350	4350	4350	4350
Type of energy input (e.g. electricity)	Electrical	Electrical	Electrical	Electrical	Electrical	Electrical	Electrical

Average Climate Medium temperature application							
Declared values EN 14825							
T_{biv} [°C]	**T_{biv} at medium temperature conditions**						
heat output [kW]	12.2	12.2	12.2	12.2	12.2	12.2	12.2
El input [kW]	6.85	6.85	6.85	6.85	6.85	6.85	6.85
COP	1.78	1.78	1.78	1.78	1.78	1.78	1.78
Sound power level according EN 12102							
Sound power level indoor if relevant) [dB(A)]	44.0	44.0	44.0	44.0	44.0	44.0	47.0
Sound power level outdoor [dB(A)]	66.0	66.0	66.0	66.0	66.0	66.0	66.0
Declared data regarding ErP regulation							
ηs	119	119	119	119	119	119	119
Prated [kW]	13.9	13.9	13.9	13.9	13.9	13.9	13.9
SCOP	3.06	3.06	3.06	3.06	3.06	3.06	3.06
Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature Tj							
Pdh: Tj = - 7 ºC [kW]	12.2	12.2	12.2	12.2	12.2	12.2	12.2
COPd: Tj = - 7 ºC	1.78	1.78	1.78	1.78	1.78	1.78	1.78
Pdh: Tj = +2 ºC [kW]	7.61	7.61	7.61	7.61	7.61	7.61	7.61
COPd: Tj = + 2 ºC	3.12	3.12	3.12	3.12	3.12	3.12	3.12
Pdh: Tj = +7 ºC [kW]	4.83	4.83	4.83	4.83	4.83	4.83	4.83
COPd: Tj = + 7 ºC	4.40	4.40	4.40	4.40	4.40	4.40	4.40
Pdh: Tj = +12 ºC [kW]	5.38	5.38	5.38	5.38	5.38	5.38	5.38
COPd: Tj = + 12 ºC	6.36	6.36	6.36	6.36	6.36	6.36	6.36
Pdh: Tj = bivalent temperature [kW]	12.2	12.2	12.2	12.2	12.2	12.2	12.2
COPd: Tj = bivalent temperature [kW]	1.78	1.78	1.78	1.78	1.78	1.78	1.78
Pdh: Tj = - 15 ºC (if TOL < - 20 ºC) [kW]	n/a	n/a	n/a	n/a	n/a	n/a	n/a
COPd: Tj = - 15 ºC (if TOL < - 20 ºC)	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Tbiv [°C]	-7.00	-7.00	-7.00	-7.00	-7.00	-7.00	-7.00
TOL [°C]	-10.0	-10.0	-10.0	-10.0	-10.0	-10.0	-10.0
WTOL [°C]	55.0	55.0	55.0	55.0	55.0	55.0	55.0
Annual energy consumption QHE [kWh]	8,970	8,970	8,970	8,970	8,970	8,970	8,970
Power input „compressor off" [kW] (if applicable)	n/a	n/a	n/a	n/a	n/a	n/a	n/a
P_{OFF} [W]	55	55	55	55	55	55	55
P_{TO} [W]	57	57	57	57	57	57	57
P_{SB} [W]	55	55	55	55	55	55	55
P_{CK} [W]	55	55	55	55	55	55	55
P_{SUP} [W]	580	580	580	580	580	580	580
Type of energy input (e.g. electricity)	Electrical	Electrical	Electrical	Electrical	Electrical	Electrical	Electrical

Heat pumps for Domestic Hot Water (DHW)

	EHBH16CB * / ERLQ016C*W1 RHBH16CB * / RRLQ016C*W1	EHBX16CB * / ERLQ016C*W1 RHBX16CB * / RRLQ016C*W1	EHVH16S*18CB * / ERLQ016C*W1	EHVH16S*26CB * / ERLQ016C*W1	EHVX16S*18CB * / ERLQ016C*W1	EHVX16S*26CB * / ERLQ016C*W1	EHVZ16S*18CB * / ERLQ016C*W1
General data							
Refrigerant	R-410A	R-410A	R-410A	R-410A	R-410A	R-410A	R-410A
Mass of refrigerant [kg]	3.4	3.4	3.4	3.4	3.4	3.4	3.4
GWP	2,087.5	2,087.5	2,087.5	2,087.5	2,087.5	2,087.5	2,087.5
Frequency [Hz]	50	50	50	50	50	50	50
Voltage [V]	400	400	400	400	400	400	400
Off-peak product (yes/no)	n/a	n/a	Yes	Yes	Yes	Yes	Yes
Technical data - average climate							
Declared load profil	n/a	n/a	L	XL	L	XL	L
Effciency ηdhw in %	n/a	n/a	87.4	97.7	87.4	97.7	87.4
Heating up time h:min	n/a	n/a	1:04	1:25	1:04	1:25	1:04
Standby power input W	n/a	n/a	50	45	50	45	50
Reference hot water temperature °C	n/a	n/a	52.5	52.5	52.5	52.5	52.5
Mixed water at 40°C	n/a	n/a	225.7 l	340.0 l	225.7 l	340.0 l	225.7 l
Sound power level indoor if relevant) [dB(A)]	44.0	44.0	44.0	44.0	44.0	44.0	47.0
Sound power level outdoor [dB(A)]	66.0	66.0	66.0	66.0	66.0	66.0	66.0