Data has to be declared for all Models inside a sub-type.

Certificate data	
Certificate holder name	Stiebel Eltron GmbH & Co. KG
Address	Dr.-Stiebel-Straße 33, 37603 Holzminden Germany
Type of heat pump	Air/Water
Reg. No.	011-1W0119
Certification Body	DIN CERTCO Gesellschaft für Konformitätsbewertung mbH
Name of testing laboratory	VDE Prüf- und Zertifizierungsinstitut

1. Air/Water; Brine/Water; Water/Water heat pumps (if applicable)

	WPL 19 I WPL 19 IK WPL 19 A WPL 19 A SR	WPL 24 I WPL 24 IK WPL 24 A WPL 24 A SR	
General data			
Refrigerant	R410A	R410A	
Mass of refrigerant [kg]	4,75	4,75	
GWP according to EU Nr. 517/2014 [CO_{2eq}]	9,918	9,918	
Frequency [Hz]	50	50	
Voltage [V]	400	400	
Test points EN 14511-2 Air/Water heat pump (if applicable)			
A7/W35			
heat output [kW]	6,70	7,41	
El input [kW]	1,35	1,57	
COP	4,96	4,72	
A7/W55	(if applicable)		
heat output [kW]	8,59	10,42	
El input [kW]	2,61	3,17	
COP	3,29	3,19	
Test points EN 14511-2 Brine/Water heat pump (if applicable)			
B0/W35			
heat output [kW]			
El input [kW]			
COP			
B0/W55			
heat output [kW]			
El input [kW]			
COP			
Test points EN 14511-2 Water/Water heat pump (if applicable)			
W10/W35			
heat output [kW]			
El input [kW]			
COP			
W10/W55			
heat output [kW]			
El input [kW]			
COP			

In case of gas driven heat pump, EN14511 shall be replaced by EN 12309:2015-03

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	
operating Range A…/W… upper limit- upper limit (min)			
Please state if the requirement is passed or failed	passed	passed	
Shutting off the heat transfer medium flow			
Please state if the requirement is passed or failed	passed	passed	
Complete power supply failure			
Please state if the requirement is passed or failed	passed	passed	
Defrost test only for AirT Water heat pumps (if applicable)			
Please state if the requirement is passed or failed	passed	passed	

Average Climate Low temperature application (if applicable)			
Declared values EN 14825			
T_{biv} [°C]	T_{biv} at low temperature conditions		
heat output [kW]	9,91	13,45	
El input [kW]	2,98	4,52	
COP	3,32	2,98	
Sound power level according EN 12102			
Sound power level indoor if relevant) [dB(A)]	(see 55 °C application)	(see 55 °C application)	
Sound power level outdoor [dB(A)]	(see 55 °C application)	(see 55 °C application)	
Declared data regarding ErP regulation			
η_s	174,34%	174,00%	
P_{rated} [kW]	11,20	15,20	
SCOP	4,43	4,43	
Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature *Tj*			
Pdh: *Tj* = - 7 °C [kW]	9,91	13,54	
COPd: Tj = - 7 °C	3,32	3,01	
Pdh: *Tj* = +2 °C [kW]	6,79	9,05	
COPd: Tj = + 2 °C	4,51	4,47	
Pdh: *Tj* = +7 °C [kW]	6,61	7,53	
COPd: Tj = + 7 °C	6,00	6,00	
Pdh: *Tj* = +12 °C [kW]	6,64	7,28	
COPd: Tj = + 12 °C	7,27	8,01	
Pdh: *Tj* = bivalent temperature [kW]	9,91	13,45	
COPd: *Tj* = bivalent temperature [kW]	3,32	2,98	
Pdh: *Tj* = - 15 °C (if *TOL* < - 20 °C) [kW]	-	-	
COPd: *Tj* = - 15 °C (if *TOL* < - 20 °C)	-	-	
T_{biv} [°C]	-7	-7	
TOL [°C]	-20	-20	
WTOL [°C]	65	65	
Annual energy consumption Q_{HE} [kWh]	3537	4812	
Power input „compressor off“ [kW]	25	25	
P_{OFF} [W]	25	25	
P_{TO} [W]	25	25	
P_{SB} [W]	25	25	
P_{CK} [W]	0	0	
P_{SUP} [kW]	1,81	1,87	
Type of energy input (e.g. electricity)	electricity	electricity	

Average Climate Medium temperature application (if applicable)			
Declared values EN 14825			
T_{biv} [°C]			
heat output [kW]	10,58	15,46	
El input [kW]	4,24	6,59	
COP	2,49	2,34	
Sound power level according EN 12102			
Sound power level indoor if relevant) [dB(A)]	54	55	
Sound power level outdoor [dB(A)]	59	60	
Declared data regarding ErP regulation			
η_s	139,18%	136,77%	
P_{rated} [kW]	11,96	17,48	
SCOP	3,55	3,49	
Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature *Tj*			
Pdh: *Tj* = - 7 °C [kW]	10,48	14,24	
COPd: Tj = - 7 °C	2,59	2,38	
Pdh: *Tj* = +2 °C [kW]	7,35	9,44	
COPd: Tj = + 2 °C	3,57	3,49	
Pdh: *Tj* = +7 °C [kW]	6,79	7,74	
COPd: Tj = + 7 °C	4,83	4,54	
Pdh: *Tj* = +12 °C [kW]	7,08	7,34	
COPd: Tj = + 12 °C	6,36	6,53	
Pdh: *Tj* = bivalent temperature [kW]	10,58	15,46	
COPd: *Tj* = bivalent temperature [kW]	2,49	2,34	
Pdh: *Tj* = - 15 °C (if *TOL* < - 20 °C) [kW]	-	-	
COPd: Tj = - 15 °C (if *TOL* < - 20 °C)	-	-	
T_{biv} [°C]	-7	-7	
TOL [°C]	-20	-20	
WTOL [°C]	65	65	
Annual energy consumption Q_{HE} [kWh]	4712	6993	
Power input „compressor off“ [kW] (if applicable)	25	25	
P_{OFF} [W]	25	25	
P_{TO} [W]	25	25	
P_{SB} [W]	25	25	
P_{CK} [W]	0	0	
P_{SUP} [kW]	1,89	3,79	
Type of energy input (e.g. electricity)	electricity	electricity	

Warmer Climate (if applicable)			
Declared values EN 14825 – 35°C application			
T_{biv} [°C]			
heat output [kW]	7,41	9,04	
El input [kW]	1,80	2,23	
COP	4,12	4,07	
Sound power level according EN 12102			
Sound power level indoor if relevant) [dB(A)]	(See 55 °C application)	(See 55 °C application)	
Sound power level outdoor [dB(A)]	(See 55 °C application)	(See 55 °C application)	
Declared data regarding ErP regulation			
η_s	215,03%	222,70%	
P_{rated} [kW]	7,41	9,07	
SCOP	5,45	5,64	
Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature *Tj*			
Pdh*Tj* = - 7 °C [kW]	-	-	
COPd Tj = - 7 °C	-	-	
Pdh*Tj* = +2 °C [kW]	7,41	9,07	
COPd Tj = + 2 °C	4,12	4,07	
Pdh *Tj* = +7 °C [kW]	6,66	7,57	
COPd Tj = + 7 °C	5,45	5,25	
Pdh *Tj* = +12 °C [kW]	6,79	7,30	
COPd Tj = + 12 °C	6,92	7,44	
Pdh *Tj* = bivalent temperature [kW]	7,41	9,07	
COPd Tj = bivalent temperature	4,12	4,07	
Pdh *Tj* = - 15 °C (if *TOL* < - 20 °C) [kW]	-	-	
COPd *Tj* = - 15 °C (if *TOL* < - 20 °C)	-	-	
T_{biv} [°C]	2	2	
TOL [°C]	2	2	
WTOL [°C]	65	65	
Annual energy consumption Q_{HE} [kWh]	1903	2250	
Power input „compressor off“ [kW] (if applicable)	25	25	
P_{OFF} [W]	25	25	
P_{TO} [W]	25	25	
P_{SB} [W]	25	25	
P_{CK} [W]	0	0	
P_{SUP} [kW]	0	0	
Type of energy input (e.g. electricity)	electricity	electricity	

Colder Climate (if applicable)			
Declared values EN 14825 – 35°C application			
T_{biv}/°C			
heat output [kW]	9,91	13,45	
El input[kW]	2,99	4,52	
COP	3,32	2,98	
Sound power level according EN12102			
Sound power level indoor if relevant) [dB(A)]	(See 55 °C application)	(See 55 °C application)	
Sound power level outdoor [dB(A)]	(See 55 °C application)	(See 55 °C application)	
Declared date regarding ErP regulation			
η_s	144,78%	141,78%	
P_{rated} [kW]	16,37	22,22	
SCOP	3,69	3,62	
Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature *Tj*			
Pdh: *Tj* = - 7 °C [kW]	9,74	13,34	
COPd: Tj = - 7 °C	3,65	3,28	
Pdh: *Tj* = +2 °C [kW]	6,42	9,04	
COPd: Tj = + 2 °C	4,82	4,74	
Pdh: *Tj* = +7 °C [kW]	6,59	7,51	
COPd: Tj = + 7 °C	6,33	6,46	
Pdh: *Tj* = +12 °C [kW]	6,64	7,28	
COPd: Tj = + 12 °C	7,27	8,01	
Pdh: Tj = bivalent temperature [kW]	9,91	13,45	
COPd: *Tj* = bivalent temperature	3,32	2,98	
Pdh: *Tj* = - 15 °C (if *TOL* < - 20 °C) [kW]	-	-	
COPd: *Tj* = - 15 °C (if *TOL* < - 20 °C)	-	-	
T_{biv} [°C]	-7	-7	
TOL [°C]	-20	-20	
WTOL [°C]	65	65	
Annual energy consumption Q_{HE} [kWh]	9318	12917	
Power input „compressor off“ [kW] (if applicable)	25	25	
P_{OFF} [W]	25	25	
P_{TO} [W]	25	25	
P_{SB} [W]	25	25	
P_{CK} [W]	0	0	
P_{SUP} [kW]	9,05	9,73	
Type of energy input (e.g. electricity)	electricity	electricity	