Subtype RASM-3.5VTW2E

Certificate Holder	Johnson Controls-Hitachi AirConditioning Spain
Address	Ronda Shimizu, 1. Pol. Ind. Can Torrella
ZIP	08233
City	Vacarisses, Barcelona
Country	ES
Certification Body	BRE Global Limited
Subtype title	RASM-3.5VTW2E
Registration number	041-K002-78
Heat Pump Type	Outdoor Air/Water
Refrigerant	R290
Mass of Refrigerant	0.9 kg
Certification Date	05.09.2025
Testing basis	Heat Pump Keymark Scheme Rules Rev 15
Testing laboratory	Centro de Ensayos, Innovación y Servicios (CEIS), ES

This information was generated by the HP KEYMARK database on 25.09.2025

Model RASM-3.5VTW2E & ATW-CBX-01 - Heating Only	
Model name	RASM-3.5VTW2E & ATW-CBX-01 - Heating Only
Application	Heating (medium temp)
Units	Outdoor
Climate zone (for heating)	n/a
Reversibility	Yes
Cooling mode application (optional)	n/a
Any additional heat sources	n/a

General data	
Power supply	1x230V 50Hz
Off-peak product	n/a

Outdoor Air/Water EN 14511-4 | Heating	
Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed
Defrost test	passed
Starting and operating test	passed

EN 14511-2 | Heating		
	Low temperature	Medium temperature
Heat output	7.95 kW	8.60 kW
El input	1.72 kW	2.94 kW
COP	4.62	2.93

EN 12102-1 | Average Climate		
	Low temperature	Medium temperature
Sound power level outdoor	57 dB(A)	57 dB(A)

EN 14825 | Average Climate		
	Low temperature	Medium temperature
ηs	184 %	135 %
Prated	8.00 kW	8.00 kW
SCOP	4.67	3.44
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	6.74 kW	7.02 kW
COP Tj = -7°C	2.91	2.20
Cdh Tj = -7 °C	0.900	0.900
Pdh Tj = +2°C	4.01 kW	4.10 kW
COP Tj = +2°C	4.39	3.19
Cdh Tj = +2 °C	0.900	0.900
Pdh Tj = +7°C	2.89 kW	2.86 kW

This information was generated by the HP KEYMARK database on 25.09.2025

COP Tj = +7°C	6.89	4.94
Cdh Tj = +7 °C	0.900	0.900
Pdh Tj = 12°C	2.96 kW	2.80 kW
COP Tj = 12°C	9.27	7.28
Cdh Tj = +12 °C	0.900	0.900
Pdh Tj = Tbiv	6.74 kW	7.02 kW
COP Tj = Tbiv	2.91	2.20
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	7.35 kW	6.78 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.56	1.92
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.900	0.900
WTOL	75 °C	75 °C
Poff	13 W	13 W
PTO	13 W	13 W
PSB	13 W	13 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	n/a	n/a
Supplementary Heater: PSUP	0.70 kW	1.20 kW
Annual energy consumption Qhe	3537 kWh	4800 kWh

This information was generated by the HP KEYMARK database on 25.09.2025

Model RASM-3.5VTW2E & HWM-W2E - Heating Only	
Model name	RASM-3.5VTW2E & HWM-W2E - Heating Only
Application	Heating (medium temp)
Units	Indoor, Outdoor
Climate zone (for heating)	n/a
Reversibility	Yes
Cooling mode application (optional)	n/a
Any additional heat sources	n/a

General data	
Power supply	1x230V 50Hz
Off-peak product	n/a

Outdoor Air/Water	
EN 14511-4 | Heating	
Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed
Defrost test	passed
Starting and operating test	passed

EN 14511-2 | Heating		
	Low temperature	Medium temperature
Heat output	7.95 kW	8.60 kW
El input	1.72 kW	2.94 kW
COP	4.62	2.93

EN 12102-1 | Average Climate		
	Low temperature	Medium temperature
Sound power level indoor	41 dB(A)	41 dB(A)
Sound power level outdoor	57 dB(A)	57 dB(A)

EN 14825 | Average Climate		
	Low temperature	Medium temperature
ηs	184 %	135 %
Prated	8.00 kW	8.00 kW
SCOP	4.67	3.44
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	6.74 kW	7.02 kW
COP Tj = -7°C	2.91	2.20
Cdh Tj = -7 °C	0.900	0.900
Pdh Tj = +2°C	4.01 kW	4.10 kW
COP Tj = +2°C	4.39	3.19
Cdh Tj = +2 °C	0.900	0.900

Pdh Tj = +7°C	2.89 kW	2.86 kW
COP Tj = +7°C	6.89	4.94
Cdh Tj = +7 °C	0.900	0.900
Pdh Tj = 12°C	2.96 kW	2.80 kW
COP Tj = 12°C	9.27	7.28
Cdh Tj = +12 °C	0.900	0.900
Pdh Tj = Tbiv	6.74 kW	7.02 kW
COP Tj = Tbiv	2.91	2.20
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	7.35 kW	6.78 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.56	1.92
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.900	0.900
WTOL	75 °C	75 °C
Poff	13 W	13 W
PTO	13 W	13 W
PSB	13 W	13 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.70 kW	1.20 kW
Annual energy consumption Qhe	3537 kWh	4800 kWh

Model RASM-3.5VTW2E & HWM-W2E-B - Heating Only	
Model name	RASM-3.5VTW2E & HWM-W2E-B - Heating Only
Application	Heating (medium temp)
Units	Indoor, Outdoor
Climate zone (for heating)	n/a
Reversibility	Yes
Cooling mode application (optional)	n/a
Any additional heat sources	n/a

General data	
Power supply	1x230V 50Hz
Off-peak product	n/a

Outdoor Air/Water	
EN 14511-4 | Heating	
Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed
Defrost test	passed
Starting and operating test	passed

EN 14511-2 | Heating		
	Low temperature	Medium temperature
Heat output	7.95 kW	8.60 kW
El input	1.72 kW	2.94 kW
COP	4.62	2.93

EN 12102-1 | Average Climate		
	Low temperature	Medium temperature
Sound power level indoor	41 dB(A)	41 dB(A)
Sound power level outdoor	57 dB(A)	57 dB(A)

EN 14825 | Average Climate		
	Low temperature	Medium temperature
ηs	184 %	135 %
Prated	8.00 kW	8.00 kW
SCOP	4.67	3.44
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	6.74 kW	7.02 kW
COP Tj = -7°C	2.91	2.20
Cdh Tj = -7 °C	0.900	0.900
Pdh Tj = +2°C	4.01 kW	4.10 kW
COP Tj = +2°C	4.39	3.19
Cdh Tj = +2 °C	0.900	0.900

Pdh Tj = +7°C	2.89 kW	2.86 kW
COP Tj = +7°C	6.89	4.94
Cdh Tj = +7 °C	0.900	0.900
Pdh Tj = 12°C	2.96 kW	2.80 kW
COP Tj = 12°C	9.27	7.28
Cdh Tj = +12 °C	0.900	0.900
Pdh Tj = Tbiv	6.74 kW	7.02 kW
COP Tj = Tbiv	2.91	2.20
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	7.35 kW	6.78 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.56	1.92
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.900	0.900
WTOL	75 °C	75 °C
Poff	13 W	13 W
PTO	13 W	13 W
PSB	13 W	13 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	n/a	n/a
Supplementary Heater: PSUP	0.70 kW	1.20 kW
Annual energy consumption Qhe	3537 kWh	4800 kWh

Model RASM-3.5VTW2E & HWD-W2E-220S(-K) - Heating Only	
Model name	RASM-3.5VTW2E & HWD-W2E-220S(-K) - Heating Only
Application	Heating + DHW
Units	Indoor, Outdoor
Climate zone (for heating)	n/a
Reversibility	Yes
Cooling mode application (optional)	n/a
Any additional heat sources	n/a

General data	
Power supply	1x230V 50Hz
Off-peak product	n/a

Outdoor Air/Water	
EN 16147 | Average Climate	
Declared load profile	L
Efficiency ηDHW	130 %
COP	3.19
Heating up time	1:36 h:min
Standby power input	35.0 W
Reference hot water temperature	52.0 °C
Mixed water at 40°C	288 l

EN 14511-4 | Heating	
Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed
Defrost test	passed
Starting and operating test	passed

EN 14511-2 | Heating		
	Low temperature	Medium temperature
Heat output	7.95 kW	8.60 kW
El input	1.73 kW	2.94 kW
COP	4.60	2.93

EN 12102-1 | Average Climate		
	Low temperature	Medium temperature
Sound power level indoor	41 dB(A)	41 dB(A)
Sound power level outdoor	57 dB(A)	57 dB(A)

EN 14825 | Average Climate		
	Low temperature	Medium temperature
ηs	184 %	135 %

This information was generated by the HP KEYMARK database on 25.09.2025

Prated	8.00 kW	8.00 kW
SCOP	4.67	3.44
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	6.74 kW	7.02 kW
COP Tj = -7°C	2.91	2.20
Cdh Tj = -7 °C		
Pdh Tj = +2°C	4.01 kW	4.10 kW
COP Tj = +2°C	4.39	3.19
Cdh Tj = +2 °C		0.900
Pdh Tj = +7°C	2.89 kW	2.86 kW
COP Tj = +7°C	6.89	4.94
Cdh Tj = +7 °C		0.900
Pdh Tj = 12°C	2.96 kW	2.80 kW
COP Tj = 12°C	9.27	7.28
Cdh Tj = +12 °C		0.900
Pdh Tj = Tbiv	6.74 kW	7.02 kW
COP Tj = Tbiv	2.91	2.20
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	7.35 kW	6.78 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.56	1.92
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh		0.900
WTOL	35 °C	75 °C
Poff	13 W	13 W
PTO	13 W	13 W
PSB	13 W	13 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.70 kW	1.20 kW
Annual energy consumption Qhe	3537 kWh	4800 kWh

This information was generated by the HP KEYMARK database on 25.09.2025

Model RASM-3.5VTW2E & ATW-CBX-01 - With Cooling Kit	
Model name	RASM-3.5VTW2E & ATW-CBX-01 - With Cooling Kit
Application	Heating (medium temp)
Units	Outdoor
Climate zone (for heating)	n/a
Reversibility	Yes
Cooling mode application (optional)	+7°C/12°C, +18°C/+23°C
Any additional heat sources	n/a

General data	
Power supply	1x230V 50Hz
Off-peak product	n/a

Outdoor Air/Water	

EN 14511-4 | Heating	
Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed
Defrost test	passed
Starting and operating test	passed

EN 14511-2 | Heating		
	Low temperature	Medium temperature
Heat output	7.95 kW	8.60 kW
El input	1.72 kW	2.94 kW
COP	4.62	2.93

EN 14511-2 | Cooling		
	+7°C/+12°C	+18°C/+23°C
El input	2.57 kW	2.12 kW
Cooling capacity	7.30	8.00
EER	2.84	3.77

EN 12102-1 | Average Climate		
	Low temperature	Medium temperature
Sound power level outdoor	57 dB(A)	57 dB(A)

EN 14825 | Average Climate		
	Low temperature	Medium temperature
ηs	186 %	136 %
Prated	8.00 kW	8.00 kW
SCOP	4.74	3.48
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C

Pdh Tj = -7°C	6.74 kW	7.02 kW
COP Tj = -7°C	2.91	2.20
Cdh Tj = -7 °C	0.900	0.900
Pdh Tj = +2°C	4.01 kW	4.10 kW
COP Tj = +2°C	4.39	3.19
Cdh Tj = +2 °C	0.900	0.900
Pdh Tj = +7°C	2.89 kW	2.86 kW
COP Tj = +7°C	6.89	4.94
Cdh Tj = +7 °C	0.900	0.900
Pdh Tj = 12°C	2.96 kW	2.80 kW
COP Tj = 12°C	9.27	7.28
Cdh Tj = +12 °C	0.900	0.900
Pdh Tj = Tbiv	6.74 kW	7.02 kW
COP Tj = Tbiv	2.91	2.20
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	7.35 kW	6.78 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.56	1.92
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.900	0.900
WTOL	75 °C	75 °C
Poff	13 W	13 W
PTO	13 W	13 W
PSB	13 W	13 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	n/a	n/a
Supplementary Heater: PSUP	0.70 kW	1.20 kW
Annual energy consumption Qhe	3489 kWh	4750 kWh

EN 14825 | Cooling		
	+7°C/+12°C	+18°C/+23°C
Pdesignc	7.00 kW	8.00 kW
SEER	3.88	4.98
Pdc Tj = 35°C	7.30 kW	8.00 kW
EER Tj = 35°C	2.84	3.77
Cdc Tj = 35 °C	0.900	0.900
Pdc Tj = 30°C	5.20 kW	5.90 kW
EER Tj = 30°C	3.75	4.43
Cdc Tj = 30 °C	0.900	0.900
Pdc Tj = 25°C	3.50 kW	3.80 kW
EER Tj = 25°C	4.17	5.45
Cdc Tj = 25 °C	0.900	0.900
Pdc Tj = 20°C	2.76 kW	3.26 kW
EER Tj = 20°C	4.74	6.57
Cdc Tj = 20 °C	0.900	0.900
Poff	13 W	13 W

This information was generated by the HP KEYMARK database on 25.09.2025

PTO	0 W	0 W
PSB	13 W	13 W
PCK	0 W	0 W
Annual energy consumption Qce	1083 kWh	964 kWh

Model RASM-3.5VTW2E & HWM-W2E - With Cooling Kit	
Model name	RASM-3.5VTW2E & HWM-W2E - With Cooling Kit
Application	Heating (medium temp)
Units	Indoor, Outdoor
Climate zone (for heating)	n/a
Reversibility	Yes
Cooling mode application (optional)	+7°C/12°C, +18°C/+23°C
Any additional heat sources	n/a

General data	
Power supply	1x230V 50Hz
Off-peak product	n/a

Outdoor Air/Water	

EN 14511-4 | Heating	
Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed
Defrost test	passed
Starting and operating test	passed

EN 14511-2 | Heating		
	Low temperature	Medium temperature
Heat output	7.95 kW	8.60 kW
El input	1.72 kW	2.94 kW
COP	4.62	2.93

EN 14511-2 | Cooling		
	+7°C/+12°C	+18°C/+23°C
El input	2.57 kW	2.12 kW
Cooling capacity	7.30	8.00
EER	2.84	3.77

EN 12102-1 | Average Climate		
	Low temperature	Medium temperature
Sound power level indoor	41 dB(A)	41 dB(A)
Sound power level outdoor	57 dB(A)	57 dB(A)

EN 14825 | Average Climate		
	Low temperature	Medium temperature
ηs	186 %	136 %
Prated	8.00 kW	8.00 kW
SCOP	4.74	3.48
Tbiv	-7 °C	-7 °C

TOL	-10 °C	-10 °C
Pdh Tj = -7°C	6.74 kW	7.02 kW
COP Tj = -7°C	2.91	2.20
Cdh Tj = -7 °C	0.900	0.900
Pdh Tj = +2°C	4.01 kW	4.10 kW
COP Tj = +2°C	4.39	3.19
Cdh Tj = +2 °C	0.900	0.900
Pdh Tj = +7°C	2.89 kW	2.86 kW
COP Tj = +7°C	6.89	4.94
Cdh Tj = +7 °C	0.900	0.900
Pdh Tj = 12°C	2.96 kW	2.80 kW
COP Tj = 12°C	9.27	7.28
Cdh Tj = +12 °C	0.900	0.900
Pdh Tj = Tbiv	6.74 kW	7.02 kW
COP Tj = Tbiv	2.91	2.20
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	7.35 kW	6.78 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.56	1.92
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.900	0.900
WTOL	75 °C	75 °C
Poff	13 W	13 W
PTO	13 W	13 W
PSB	13 W	13 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.70 kW	1.20 kW
Annual energy consumption Qhe	3489 kWh	4750 kWh

EN 14825 | Cooling		
	+7°C/+12°C	+18°C/+23°C
Pdesignc	7.00 kW	8.00 kW
SEER	3.88	4.98
Pdc Tj = 35°C	7.30 kW	8.00 kW
EER Tj = 35°C	2.84	3.77
Cdc Tj = 35 °C		
Pdc Tj = 30°C	5.20 kW	5.90 kW
EER Tj = 30°C	3.75	4.43
Cdc Tj = 30 °C		
Pdc Tj = 25°C	3.50 kW	3.80 kW
EER Tj = 25°C	4.17	5.45
Cdc Tj = 25 °C		
Pdc Tj = 20°C	2.76 kW	3.26 kW
EER Tj = 20°C	4.74	6.57
Cdc Tj = 20 °C		

Poff	13 W	13 W
PTO	0 W	0 W
PSB	13 W	13 W
PCK	0 W	0 W
Annual energy consumption Qce	1083 kWh	964 kWh

Model RASM-3.5VTW2E & HWM-W2E-B - With Cooling Kit	
Model name	RASM-3.5VTW2E & HWM-W2E-B - With Cooling Kit
Application	Heating (medium temp)
Units	Indoor, Outdoor
Climate zone (for heating)	n/a
Reversibility	Yes
Cooling mode application (optional)	+7°C/12°C, +18°C/+23°C
Any additional heat sources	n/a

General data	
Power supply	1x230V 50Hz
Off-peak product	n/a

Outdoor Air/Water	

EN 14511-4 | Heating	
Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed
Defrost test	passed
Starting and operating test	passed

EN 14511-2 | Heating		
	Low temperature	Medium temperature
Heat output	7.95 kW	8.60 kW
El input	1.72 kW	2.94 kW
COP	4.62	2.93

EN 14511-2 | Cooling		
	+7°C/+12°C	+18°C/+23°C
El input	2.57 kW	2.12 kW
Cooling capacity	7.30	8.00
EER	2.84	3.77

EN 12102-1 | Average Climate		
	Low temperature	Medium temperature
Sound power level indoor	41 dB(A)	41 dB(A)
Sound power level outdoor	57 dB(A)	57 dB(A)

EN 14825 | Average Climate		
	Low temperature	Medium temperature
ηs	186 %	136 %
Prated	8.00 kW	8.00 kW
SCOP	4.74	3.48
Tbiv	-7 °C	-7 °C

TOL	-10 °C	-10 °C
Pdh Tj = -7°C	6.74 kW	7.02 kW
COP Tj = -7°C	2.91	2.20
Cdh Tj = -7 °C	0.900	0.900
Pdh Tj = +2°C	4.01 kW	4.10 kW
COP Tj = +2°C	4.39	3.19
Cdh Tj = +2 °C	0.900	0.900
Pdh Tj = +7°C	2.89 kW	2.86 kW
COP Tj = +7°C	6.89	4.94
Cdh Tj = +7 °C	0.900	0.900
Pdh Tj = 12°C	2.96 kW	2.80 kW
COP Tj = 12°C	9.27	7.28
Cdh Tj = +12 °C	0.900	0.900
Pdh Tj = Tbiv	6.74 kW	7.02 kW
COP Tj = Tbiv	2.91	2.20
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	7.35 kW	6.78 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.56	1.92
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.900	0.900
WTOL	75 °C	75 °C
Poff	13 W	13 W
PTO	13 W	13 W
PSB	13 W	13 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	n/a	n/a
Supplementary Heater: PSUP	0.70 kW	1.20 kW
Annual energy consumption Qhe	3489 kWh	4750 kWh

EN 14825 | Cooling		
	+7°C/+12°C	+18°C/+23°C
Pdesignc	7.00 kW	8.00 kW
SEER	3.88	4.98
Pdc Tj = 35°C	7.30 kW	8.00 kW
EER Tj = 35°C	2.84	3.77
Cdc Tj = 35 °C	0.900	0.900
Pdc Tj = 30°C	5.20 kW	5.90 kW
EER Tj = 30°C	3.75	4.43
Cdc Tj = 30 °C	0.900	0.900
Pdc Tj = 25°C	3.50 kW	3.80 kW
EER Tj = 25°C	4.17	5.45
Cdc Tj = 25 °C	0.900	0.900
Pdc Tj = 20°C	2.76 kW	3.26 kW
EER Tj = 20°C	4.74	6.57
Cdc Tj = 20 °C	0.900	0.900

Poff	13 W	13 W
PTO	0 W	0 W
PSB	13 W	13 W
PCK	0 W	0 W
Annual energy consumption Qce	1083 kWh	964 kWh

Model RASM-3.5VTW2E & HWD-W2E-220S(-K) - With Cooling Kit	
Model name	RASM-3.5VTW2E & HWD-W2E-220S(-K) - With Cooling Kit
Application	Heating + DHW
Units	Indoor, Outdoor
Climate zone (for heating)	n/a
Reversibility	Yes
Cooling mode application (optional)	+7°C/12°C, +18°C/+23°C
Any additional heat sources	n/a

General data	
Power supply	1x230V 50Hz
Off-peak product	n/a

Outdoor Air/Water EN 16147 | Average Climate	
Declared load profile	L
Efficiency ηDHW	130 %
COP	3.19
Heating up time	1:36 h:min
Standby power input	35.0 W
Reference hot water temperature	52.0 °C
Mixed water at 40°C	288 l

EN 14511-4 | Heating	
Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed
Defrost test	passed
Starting and operating test	passed

EN 14511-2 | Heating		
	Low temperature	Medium temperature
Heat output	7.95 kW	8.60 kW
El input	1.73 kW	2.94 kW
COP	4.60	2.93

EN 14511-2 | Cooling		
	+7°C/+12°C	+18°C/+23°C
El input	2.57 kW	2.12 kW
Cooling capacity	7.30	8.00
EER	2.84	3.77

EN 12102-1 | Average Climate		
	Low temperature	Medium temperature

Sound power level indoor	41 dB(A)	41 dB(A)
Sound power level outdoor	57 dB(A)	57 dB(A)

EN 14825 | Average Climate

	Low temperature	Medium temperature
ηs	184 %	136 %
Prated	8.00 kW	8.00 kW
SCOP	4.67	3.48
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	6.74 kW	7.02 kW
COP Tj = -7°C	2.91	2.20
Cdh Tj = -7 °C		0.900
Pdh Tj = +2°C	4.01 kW	4.10 kW
COP Tj = +2°C	4.39	3.19
Cdh Tj = +2 °C		0.900
Pdh Tj = +7°C	2.89 kW	2.86 kW
COP Tj = +7°C	6.89	4.94
Cdh Tj = +7 °C		0.900
Pdh Tj = 12°C	2.96 kW	2.80 kW
COP Tj = 12°C	9.27	7.28
Cdh Tj = +12 °C		0.900
Pdh Tj = Tbiv	6.74 kW	7.02 kW
COP Tj = Tbiv	2.91	2.20
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	7.35 kW	6.78 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.56	1.92
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh		0.900
WTOL	35 °C	75 °C
Poff	13 W	13 W
PTO	13 W	13 W
PSB	13 W	13 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.70 kW	1.20 kW
Annual energy consumption Qhe	3537 kWh	4750 kWh

EN 14825 | Cooling

	+7°C/+12°C	+18°C/+23°C
Pdesignc	7.00 kW	8.00 kW
SEER	3.88	4.98
Pdc Tj = 35°C	7.30 kW	8.00 kW
EER Tj = 35°C	2.84	3.77
Cdc Tj = 35 °C	0.900	0.900

This information was generated by the HP KEYMARK database on 25.09.2025

Pdc Tj = 30°C	5.20 kW	5.90 kW
EER Tj = 30°C	3.75	4.43
Cdc Tj = 30 °C	0.900	0.900
Pdc Tj = 25°C	3.50 kW	3.80 kW
EER Tj = 25°C	4.17	5.45
Cdc Tj = 25 °C	0.900	0.900
Pdc Tj = 20°C	2.76 kW	3.26 kW
EER Tj = 20°C	4.74	6.57
Cdc Tj = 20 °C	0.900	0.900
Poff	13 W	13 W
PTO	0 W	0 W
PSB	13 W	13 W
PCK	0 W	0 W
Annual energy consumption Qce	1083 kWh	964 kWh

This information was generated by the HP KEYMARK database on 25.09.2025