Subtype RASM-4(V)TW2E

Certificate Holder	Bosch Home Comfort Barcelona S.A.U.
Address	Ronda Shimizu, 1. Pol. Ind. Can Torrella
ZIP	08233
City	Vacarisses, Barcelona
Country	ES
Certification Body	BRE
Subtype title	RASM-4(V)TW2E
Registration number	041-K002-79
Heat Pump Type	Outdoor Air/Water
Refrigerant	R290
Mass of Refrigerant	1.2 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 16.11.2026

Model RASM-4VTW2E & ATW-CBX-01 - Heating Only

Model name	RASM-4VTW2E & 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	10.00 kW	10.00 kW
El input	2.21 kW	2.94 kW
COP	4.53	3.40

EN 12102-1 | Average Climate

	Low temperature	Medium temperature
Sound power level outdoor	53 dB(A)	53 dB(A)

EN 14825 | Average Climate

	Low temperature	Medium temperature
ηs	178 %	143 %
Prated	10.00 kW	10.00 kW
SCOP	4.53	3.65
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	8.90 kW	8.90 kW
COP Tj = -7°C	2.87	2.29
Cdh Tj = -7 °C	0.900	0.900
Pdh Tj = +2°C	5.40 kW	5.40 kW
COP Tj = +2°C	4.30	3.47
Cdh Tj = +2 °C	0.900	0.900
Pdh Tj = +7°C	5.00 kW	5.20 kW

This information was generated by the HP KEYMARK database on 16.11.2026

COP Tj = +7°C	6.73	5.37
Cdh Tj = +7 °C	0.900	0.900
Pdh Tj = 12°C	5.40 kW	5.20 kW
COP Tj = 12°C	9.21	7.69
Cdh Tj = +12 °C	0.900	0.900
Pdh Tj = Tbiv	8.90 kW	8.90 kW
COP Tj = Tbiv	2.87	2.29
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	8.90 kW	8.90 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.82	2.03
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	1.15 kW	1.15 kW
Annual energy consumption Qhe	4561 kWh	5659 kWh

This information was generated by the HP KEYMARK database on 16.11.2026

Model RASM-4TW2E & ATW-CBX-01 - Heating Only	
Model name	RASM-4TW2E & 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	3x400V 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	10.00 kW	10.00 kW
El input	2.21 kW	2.94 kW
COP	4.53	3.40

EN 12102-1 | Average Climate		
	Low temperature	Medium temperature
Sound power level outdoor	53 dB(A)	53 dB(A)

EN 14825 | Average Climate		
	Low temperature	Medium temperature
ηs	178 %	143 %
Prated	10.00 kW	10.00 kW
SCOP	4.53	3.65
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	8.90 kW	8.90 kW
COP Tj = -7°C	2.87	2.29
Cdh Tj = -7 °C	0.900	0.900
Pdh Tj = +2°C	5.40 kW	5.40 kW
COP Tj = +2°C	4.30	3.47
Cdh Tj = +2 °C	0.900	0.900
Pdh Tj = +7°C	5.00 kW	5.00 kW

This information was generated by the HP KEYMARK database on 16.11.2026

COP Tj = +7°C	6.73	5.37
Cdh Tj = +7 °C	0.900	0.900
Pdh Tj = 12°C	5.40 kW	5.00 kW
COP Tj = 12°C	9.21	7.69
Cdh Tj = +12 °C	0.900	0.900
Pdh Tj = Tbiv	8.90 kW	8.90 kW
COP Tj = Tbiv	2.87	2.29
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	8.90 kW	8.90 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.82	2.03
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	1.15 kW	1.15 kW
Annual energy consumption Qhe	4561 kWh	5659 kWh

This information was generated by the HP KEYMARK database on 16.11.2026

Model RASM-4VTW2E & HWM-W2E - Heating Only	
Model name	RASM-4VTW2E & 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	10.00 kW	10.00 kW
El input	2.21 kW	2.94 kW
COP	4.53	3.40

EN 12102-1 | Average Climate		
	Low temperature	Medium temperature
Sound power level indoor	41 dB(A)	41 dB(A)
Sound power level outdoor	53 dB(A)	53 dB(A)

EN 14825 | Average Climate		
	Low temperature	Medium temperature
ηs	178 %	143 %
Prated	10.00 kW	10.00 kW
SCOP	4.53	3.65
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	8.90 kW	8.90 kW
COP Tj = -7°C	2.87	2.29
Cdh Tj = -7 °C	0.900	0.900
Pdh Tj = +2°C	5.40 kW	5.40 kW
COP Tj = +2°C	4.30	3.47
Cdh Tj = +2 °C	0.900	0.900

This information was generated by the HP KEYMARK database on 16.11.2026

Pdh Tj = +7°C	5.00 kW	5.00 kW
COP Tj = +7°C	6.73	5.37
Cdh Tj = +7 °C	0.900	0.900
Pdh Tj = 12°C	5.40 kW	5.00 kW
COP Tj = 12°C	9.21	7.69
Cdh Tj = +12 °C	0.900	0.900
Pdh Tj = Tbiv	8.90 kW	8.90 kW
COP Tj = Tbiv	2.87	2.29
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	8.90 kW	8.90 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.82	2.03
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	1.15 kW	1.15 kW
Annual energy consumption Qhe	4561 kWh	5659 kWh

This information was generated by the HP KEYMARK database on 16.11.2026

Model RASM-4TW2E & HWM-W2E - Heating Only	
Model name	RASM-4TW2E & 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	3x400V 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	10.00 kW	10.00 kW
El input	2.21 kW	2.94 kW
COP	4.53	3.40

EN 12102-1 | Average Climate		
	Low temperature	Medium temperature
Sound power level indoor	41 dB(A)	41 dB(A)
Sound power level outdoor	53 dB(A)	53 dB(A)

EN 14825 | Average Climate		
	Low temperature	Medium temperature
ηs	178 %	143 %
Prated	10.00 kW	10.00 kW
SCOP	4.53	3.65
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	8.90 kW	8.90 kW
COP Tj = -7°C	2.87	2.29
Cdh Tj = -7 °C	0.900	0.900
Pdh Tj = +2°C	5.40 kW	5.40 kW
COP Tj = +2°C	4.30	3.47
Cdh Tj = +2 °C	0.900	0.900

This information was generated by the HP KEYMARK database on 16.11.2026

Pdh Tj = +7°C	5.00 kW	5.00 kW
COP Tj = +7°C	6.73	5.37
Cdh Tj = +7 °C	0.900	0.900
Pdh Tj = 12°C	5.40 kW	5.00 kW
COP Tj = 12°C	9.21	7.69
Cdh Tj = +12 °C	0.900	0.900
Pdh Tj = Tbiv	8.90 kW	8.90 kW
COP Tj = Tbiv	2.87	2.29
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	8.90 kW	8.90 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.82	2.03
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	1.15 kW	1.15 kW
Annual energy consumption Qhe	4561 kWh	5659 kWh

This information was generated by the HP KEYMARK database on 16.11.2026

Model RASM-4VTW2E & HWM-W2E-B - Heating Only	
Model name	RASM-4VTW2E & 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	10.00 kW	10.00 kW
El input	2.21 kW	2.94 kW
COP	4.53	3.40

EN 12102-1 | Average Climate		
	Low temperature	Medium temperature
Sound power level indoor	41 dB(A)	41 dB(A)
Sound power level outdoor	53 dB(A)	53 dB(A)

EN 14825 | Average Climate		
	Low temperature	Medium temperature
ηs	178 %	143 %
Prated	10.00 kW	10.00 kW
SCOP	4.53	3.65
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	8.90 kW	8.90 kW
COP Tj = -7°C	2.87	2.29
Cdh Tj = -7 °C	0.900	0.900
Pdh Tj = +2°C	5.40 kW	5.40 kW
COP Tj = +2°C	4.30	3.47
Cdh Tj = +2 °C	0.900	0.900

This information was generated by the HP KEYMARK database on 16.11.2026

Pdh Tj = +7°C	5.00 kW	5.00 kW
COP Tj = +7°C	6.73	5.37
Cdh Tj = +7 °C	0.900	0.900
Pdh Tj = 12°C	5.40 kW	5.00 kW
COP Tj = 12°C	9.21	7.69
Cdh Tj = +12 °C	0.900	0.900
Pdh Tj = Tbiv	8.90 kW	8.90 kW
COP Tj = Tbiv	2.87	2.29
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	8.90 kW	8.90 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.82	2.03
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	1.15 kW	1.15 kW
Annual energy consumption Qhe	4561 kWh	5659 kWh

This information was generated by the HP KEYMARK database on 16.11.2026

Model RASM-4TW2E & HWM-W2E-B - Heating Only	
Model name	RASM-4TW2E & 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	3x400V 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	10.00 kW	10.00 kW
El input	2.21 kW	2.94 kW
COP	4.53	3.40

EN 12102-1 | Average Climate		
	Low temperature	Medium temperature
Sound power level indoor	41 dB(A)	41 dB(A)
Sound power level outdoor	53 dB(A)	53 dB(A)

EN 14825 | Average Climate		
	Low temperature	Medium temperature
ηs	178 %	143 %
Prated	10.00 kW	10.00 kW
SCOP	4.53	3.65
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	8.90 kW	8.90 kW
COP Tj = -7°C	2.87	2.29
Cdh Tj = -7 °C	0.900	0.900
Pdh Tj = +2°C	5.40 kW	5.40 kW
COP Tj = +2°C	4.30	3.47
Cdh Tj = +2 °C	0.900	0.900

This information was generated by the HP KEYMARK database on 16.11.2026

Pdh Tj = +7°C	5.00 kW	5.00 kW
COP Tj = +7°C	6.73	5.37
Cdh Tj = +7 °C	0.900	0.900
Pdh Tj = 12°C	5.40 kW	5.00 kW
COP Tj = 12°C	9.21	7.69
Cdh Tj = +12 °C	0.900	0.900
Pdh Tj = Tbiv	8.90 kW	8.90 kW
COP Tj = Tbiv	2.87	2.29
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	8.90 kW	8.90 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.82	2.03
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	1.15 kW	1.15 kW
Annual energy consumption Qhe	4561 kWh	5659 kWh

This information was generated by the HP KEYMARK database on 16.11.2026

Model RASM-4VTW2E & HWD-W2E-220S(-K) - Heating Only	
Model name	RASM-4VTW2E & 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	118 %
COP	2.88
Heating up time	1:30 h:min
Standby power input	41.0 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	10.00 kW	10.00 kW
El input	2.21 kW	2.94 kW
COP	4.53	3.40

EN 12102-1 | Average Climate		
	Low temperature	Medium temperature
Sound power level indoor	41 dB(A)	41 dB(A)
Sound power level outdoor	58 dB(A)	53 dB(A)

EN 14825 | Average Climate		
	Low temperature	Medium temperature
ηs	179 %	143 %

This information was generated by the HP KEYMARK database on 16.11.2026

Prated	10.00 kW	10.00 kW
SCOP	4.54	3.65
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	8.90 kW	8.90 kW
COP Tj = -7°C	2.87	2.29
Cdh Tj = -7 °C	0.900	0.900
Pdh Tj = +2°C	5.40 kW	5.40 kW
COP Tj = +2°C	4.30	3.47
Cdh Tj = +2 °C	0.900	0.900
Pdh Tj = +7°C	5.00 kW	5.00 kW
COP Tj = +7°C	6.80	5.37
Cdh Tj = +7 °C	0.900	0.900
Pdh Tj = 12°C	5.00 kW	5.00 kW
COP Tj = 12°C	8.92	7.69
Cdh Tj = +12 °C	0.900	0.900
Pdh Tj = Tbiv	8.90 kW	8.90 kW
COP Tj = Tbiv	2.87	2.29
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	8.90 kW	8.90 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.82	2.03
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	1.15 kW	1.15 kW
Annual energy consumption Qhe	4552 kWh	5659 kWh

Model RASM-4TW2E & HWD-W2E-220S(-K) - Heating Only	
Model name	RASM-4TW2E & 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	3x400V 50Hz
Off-peak product	n/a

Outdoor Air/Water EN 16147 | Average Climate	
Declared load profile	L
Efficiency ηDHW	118 %
COP	2.88
Heating up time	1:30 h:min
Standby power input	41.0 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	10.00 kW	10.00 kW
El input	2.21 kW	2.94 kW
COP	4.53	3.40

EN 12102-1 | Average Climate	Low temperature	Medium temperature
Sound power level indoor	41 dB(A)	41 dB(A)
Sound power level outdoor	58 dB(A)	53 dB(A)

EN 14825 | Average Climate	Low temperature	Medium temperature
ηs	179 %	143 %

This information was generated by the HP KEYMARK database on 16.11.2026

Prated	10.00 kW	10.00 kW
SCOP	4.54	3.65
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	8.90 kW	8.90 kW
COP Tj = -7°C	2.87	2.29
Cdh Tj = -7 °C	0.900	0.900
Pdh Tj = +2°C	5.40 kW	5.40 kW
COP Tj = +2°C	4.30	3.47
Cdh Tj = +2 °C	0.900	0.900
Pdh Tj = +7°C	5.00 kW	5.00 kW
COP Tj = +7°C	6.80	5.37
Cdh Tj = +7 °C	0.900	0.900
Pdh Tj = 12°C	5.00 kW	5.00 kW
COP Tj = 12°C	8.92	7.69
Cdh Tj = +12 °C	0.900	0.900
Pdh Tj = Tbiv	8.90 kW	8.90 kW
COP Tj = Tbiv	2.87	2.29
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	8.90 kW	8.90 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.82	2.03
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	1.15 kW	1.15 kW
Annual energy consumption Qhe	4552 kWh	5659 kWh

This information was generated by the HP KEYMARK database on 16.11.2026

Model RASM-4VTW2E & ATW-CBX-01 - With Cooling Kit	
Model name	RASM-4VTW2E & 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	10.00 kW	10.00 kW
El input	2.21 kW	2.94 kW
COP	4.53	3.40

EN 14511-2 | Cooling		
	+7°C/+12°C	+18°C/+23°C
El input	3.16 kW	2.99 kW
Cooling capacity	10.00	10.00
EER	3.16	3.35

EN 12102-1 | Average Climate		
	Low temperature	Medium temperature
Sound power level outdoor	53 dB(A)	53 dB(A)

EN 14825 | Average Climate		
	Low temperature	Medium temperature
ηs	180 %	144 %
Prated	10.00 kW	10.00 kW
SCOP	4.58	3.68
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C

Pdh Tj = -7°C	8.90 kW	8.90 kW
COP Tj = -7°C	2.87	2.29
Cdh Tj = -7 °C	0.900	0.900
Pdh Tj = +2°C	5.40 kW	5.40 kW
COP Tj = +2°C	4.30	3.47
Cdh Tj = +2 °C	0.900	0.900
Pdh Tj = +7°C	5.00 kW	5.00 kW
COP Tj = +7°C	6.73	5.37
Cdh Tj = +7 °C	0.900	0.900
Pdh Tj = 12°C	5.40 kW	5.00 kW
COP Tj = 12°C	9.21	7.69
Cdh Tj = +12 °C	0.900	0.900
Pdh Tj = Tbiv	8.90 kW	8.90 kW
COP Tj = Tbiv	2.87	2.29
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	8.90 kW	8.90 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.82	2.03
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	1.15 kW	1.15 kW
Annual energy consumption Qhe	4513 kWh	5611 kWh

EN 14825 | Cooling		
	+7°C/+12°C	+18°C/+23°C
Pdesignc	10.00 kW	10.00 kW
SEER	3.90	5.73
Pdc Tj = 35°C	10.00 kW	10.00 kW
EER Tj = 35°C	3.16	3.35
Cdc Tj = 35 °C	0.900	0.900
Pdc Tj = 30°C	7.40 kW	7.40 kW
EER Tj = 30°C	3.81	5.48
Cdc Tj = 30 °C	0.900	0.900
Pdc Tj = 25°C	4.20 kW	4.70 kW
EER Tj = 25°C	4.30	6.88
Cdc Tj = 25 °C	0.900	0.900
Pdc Tj = 20°C	4.20 kW	4.70 kW
EER Tj = 20°C	4.34	6.78
Cdc Tj = 20 °C	0.900	0.900
Poff	13 W	13 W

This information was generated by the HP KEYMARK database on 16.11.2026

PTO	0 W	0 W
PSB	13 W	13 W
PCK	0 W	0 W
Annual energy consumption Qce	1537 kWh	1048 kWh

Model RASM-4TW2E & ATW-CBX-01 - With Cooling Kit	
Model name	RASM-4TW2E & 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	3x400V 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	10.00 kW	10.00 kW
El input	2.21 kW	2.94 kW
COP	4.53	3.40

EN 14511-2 | Cooling		
	+7°C/+12°C	+18°C/+23°C
El input	3.16 kW	2.99 kW
Cooling capacity	10.00	10.00
EER	3.16	3.35

EN 12102-1 | Average Climate		
	Low temperature	Medium temperature
Sound power level outdoor	53 dB(A)	53 dB(A)

EN 14825 | Average Climate		
	Low temperature	Medium temperature
ηs	180 %	144 %
Prated	10.00 kW	10.00 kW
SCOP	4.58	3.68
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C

Pdh Tj = -7°C	8.90 kW	8.90 kW
COP Tj = -7°C	2.87	2.29
Cdh Tj = -7 °C	0.900	0.900
Pdh Tj = +2°C	5.40 kW	5.40 kW
COP Tj = +2°C	4.30	3.47
Cdh Tj = +2 °C	0.900	0.900
Pdh Tj = +7°C	5.00 kW	5.00 kW
COP Tj = +7°C	6.73	5.37
Cdh Tj = +7 °C	0.900	0.900
Pdh Tj = 12°C	5.40 kW	5.00 kW
COP Tj = 12°C	9.21	7.69
Cdh Tj = +12 °C	0.900	0.900
Pdh Tj = Tbiv	8.90 kW	8.90 kW
COP Tj = Tbiv	2.87	2.29
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	8.90 kW	8.90 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.82	2.03
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	1.15 kW	1.15 kW
Annual energy consumption Qhe	4513 kWh	5611 kWh

EN 14825 | Cooling		
	+7°C/+12°C	+18°C/+23°C
Pdesignc	10.00 kW	10.00 kW
SEER	3.90	5.73
Pdc Tj = 35°C	10.00 kW	10.00 kW
EER Tj = 35°C	3.16	3.35
Cdc Tj = 35 °C	0.900	0.900
Pdc Tj = 30°C	7.40 kW	7.40 kW
EER Tj = 30°C	3.81	5.48
Cdc Tj = 30 °C	0.900	0.900
Pdc Tj = 25°C	4.20 kW	4.70 kW
EER Tj = 25°C	4.30	6.88
Cdc Tj = 25 °C	0.900	0.900
Pdc Tj = 20°C	4.20 kW	4.70 kW
EER Tj = 20°C	4.34	6.78
Cdc Tj = 20 °C	0.900	0.900
Poff	13 W	13 W

This information was generated by the HP KEYMARK database on 16.11.2026

PTO	0 W	0 W
PSB	13 W	13 W
PCK	0 W	0 W
Annual energy consumption Qce	1537 kWh	1048 kWh

This information was generated by the HP KEYMARK database on 16.11.2026

Model RASM-4VTW2E & HWM-W2E - With Cooling Kit	
Model name	RASM-4VTW2E & 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	10.00 kW	10.00 kW
El input	2.21 kW	2.94 kW
COP	4.53	3.40

EN 14511-2 | Cooling		
	+7°C/+12°C	+18°C/+23°C
El input	3.16 kW	2.99 kW
Cooling capacity	10.00	10.00
EER	3.16	3.35

EN 12102-1 | Average Climate		
	Low temperature	Medium temperature
Sound power level indoor	41 dB(A)	41 dB(A)
Sound power level outdoor	53 dB(A)	53 dB(A)

EN 14825 | Average Climate		
	Low temperature	Medium temperature
ηs	180 %	144 %
Prated	10.00 kW	10.00 kW
SCOP	4.58	3.68
Tbiv	-7 °C	-7 °C

TOL	-10 °C	-10 °C
Pdh Tj = -7°C	8.90 kW	8.90 kW
COP Tj = -7°C	2.87	2.29
Cdh Tj = -7 °C	0.900	0.900
Pdh Tj = +2°C	5.40 kW	5.40 kW
COP Tj = +2°C	4.30	3.47
Cdh Tj = +2 °C	0.900	0.900
Pdh Tj = +7°C	5.00 kW	5.00 kW
COP Tj = +7°C	6.73	5.37
Cdh Tj = +7 °C	0.900	0.900
Pdh Tj = 12°C	5.40 kW	5.00 kW
COP Tj = 12°C	9.21	7.69
Cdh Tj = +12 °C	0.900	0.900
Pdh Tj = Tbiv	8.90 kW	8.90 kW
COP Tj = Tbiv	2.87	2.29
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	8.90 kW	8.90 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.82	2.03
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	1.15 kW	1.15 kW
Annual energy consumption Qhe	4513 kWh	5611 kWh

EN 14825 | Cooling		
	+7°C/+12°C	+18°C/+23°C
Pdesignc	10.00 kW	10.00 kW
SEER	3.90	5.73
Pdc Tj = 35°C	10.00 kW	10.00 kW
EER Tj = 35°C	3.16	3.35
Cdc Tj = 35 °C	0.900	0.900
Pdc Tj = 30°C	7.40 kW	7.40 kW
EER Tj = 30°C	3.81	5.48
Cdc Tj = 30 °C	0.900	0.900
Pdc Tj = 25°C	4.20 kW	4.70 kW
EER Tj = 25°C	4.30	6.88
Cdc Tj = 25 °C	0.900	0.900
Pdc Tj = 20°C	4.20 kW	4.70 kW
EER Tj = 20°C	4.34	6.78
Cdc Tj = 20 °C	0.900	0.900

This information was generated by the HP KEYMARK database on 16.11.2026

Poff	13 W	13 W
PTO	0 W	0 W
PSB	13 W	13 W
PCK	0 W	0 W
Annual energy consumption Qce	1537 kWh	1048 kWh

Model RASM-4TW2E & HWM-W2E - With Cooling Kit

Model name	RASM-4TW2E & 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	3x400V 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	10.00 kW	10.00 kW
El input	2.21 kW	2.94 kW
COP	4.53	3.40

EN 14511-2 | Cooling

	+7°C/+12°C	+18°C/+23°C
El input	3.16 kW	2.99 kW
Cooling capacity	10.00	10.00
EER	3.16	3.35

EN 12102-1 | Average Climate

	Low temperature	Medium temperature
Sound power level indoor	41 dB(A)	41 dB(A)
Sound power level outdoor	53 dB(A)	53 dB(A)

EN 14825 | Average Climate

	Low temperature	Medium temperature
ηs	180 %	144 %
Prated	10.00 kW	10.00 kW
SCOP	4.58	3.68
Tbiv	-7 °C	-7 °C

This information was generated by the HP KEYMARK database on 16.11.2026

TOL	-10 °C	-10 °C
Pdh Tj = -7°C	8.90 kW	8.90 kW
COP Tj = -7°C	2.87	2.29
Cdh Tj = -7 °C	0.900	0.900
Pdh Tj = +2°C	5.40 kW	5.40 kW
COP Tj = +2°C	4.30	3.47
Cdh Tj = +2 °C	0.900	0.900
Pdh Tj = +7°C	5.00 kW	5.00 kW
COP Tj = +7°C	6.73	5.37
Cdh Tj = +7 °C	0.900	0.900
Pdh Tj = 12°C	5.40 kW	5.00 kW
COP Tj = 12°C	9.21	7.69
Cdh Tj = +12 °C	0.900	0.900
Pdh Tj = Tbiv	8.90 kW	8.90 kW
COP Tj = Tbiv	2.87	2.29
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	8.90 kW	8.90 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.82	2.03
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	1.15 kW	1.15 kW
Annual energy consumption Qhe	4513 kWh	5611 kWh

EN 14825 | Cooling		
	+7°C/+12°C	+18°C/+23°C
Pdesignc	10.00 kW	10.00 kW
SEER	3.90	5.73
Pdc Tj = 35°C	10.00 kW	10.00 kW
EER Tj = 35°C	3.16	3.35
Cdc Tj = 35 °C	0.900	0.900
Pdc Tj = 30°C	7.40 kW	7.40 kW
EER Tj = 30°C	3.81	5.48
Cdc Tj = 30 °C	0.900	0.900
Pdc Tj = 25°C	4.20 kW	4.70 kW
EER Tj = 25°C	4.30	6.88
Cdc Tj = 25 °C	0.900	0.900
Pdc Tj = 20°C	4.20 kW	4.70 kW
EER Tj = 20°C	4.34	6.78
Cdc Tj = 20 °C	0.900	0.900

This information was generated by the HP KEYMARK database on 16.11.2026

Poff	13 W	13 W
PTO	0 W	0 W
PSB	13 W	13 W
PCK	0 W	0 W
Annual energy consumption Qce	1537 kWh	1048 kWh

Model RASM-4VTW2E & HWM-W2E-B - With Cooling Kit	
Model name	RASM-4VTW2E & 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	10.00 kW	10.00 kW
El input	2.21 kW	2.94 kW
COP	4.53	3.40

EN 14511-2 | Cooling		
	+7°C/+12°C	+18°C/+23°C
El input	3.16 kW	2.99 kW
Cooling capacity	10.00	10.00
EER	3.16	3.35

EN 12102-1 | Average Climate		
	Low temperature	Medium temperature
Sound power level indoor	41 dB(A)	41 dB(A)
Sound power level outdoor	53 dB(A)	53 dB(A)

EN 14825 | Average Climate		
	Low temperature	Medium temperature
ηs	180 %	144 %
Prated	10.00 kW	10.00 kW
SCOP	4.58	3.68
Tbiv	-7 °C	-7 °C

TOL	-10 °C	-10 °C
Pdh Tj = -7°C	8.90 kW	8.90 kW
COP Tj = -7°C	2.87	2.29
Cdh Tj = -7 °C	0.900	0.900
Pdh Tj = +2°C	5.40 kW	5.40 kW
COP Tj = +2°C	4.30	3.47
Cdh Tj = +2 °C	0.900	0.900
Pdh Tj = +7°C	5.00 kW	5.00 kW
COP Tj = +7°C	6.73	5.37
Cdh Tj = +7 °C	0.900	0.900
Pdh Tj = 12°C	5.40 kW	5.00 kW
COP Tj = 12°C	9.21	7.69
Cdh Tj = +12 °C	0.900	0.900
Pdh Tj = Tbiv	8.90 kW	8.90 kW
COP Tj = Tbiv	2.87	2.29
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	8.90 kW	8.90 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.82	2.03
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	1.15 kW	1.15 kW
Annual energy consumption Qhe	4513 kWh	5611 kWh

EN 14825 | Cooling		
	+7°C/+12°C	+18°C/+23°C
Pdesignc	10.00 kW	10.00 kW
SEER	3.90	5.73
Pdc Tj = 35°C	10.00 kW	10.00 kW
EER Tj = 35°C	3.16	3.35
Cdc Tj = 35 °C	0.900	0.900
Pdc Tj = 30°C	7.40 kW	7.40 kW
EER Tj = 30°C	3.81	5.48
Cdc Tj = 30 °C	0.900	0.900
Pdc Tj = 25°C	4.20 kW	4.70 kW
EER Tj = 25°C	4.30	6.88
Cdc Tj = 25 °C	0.900	0.900
Pdc Tj = 20°C	4.20 kW	4.70 kW
EER Tj = 20°C	4.34	6.78
Cdc Tj = 20 °C	0.900	0.900

This information was generated by the HP KEYMARK database on 16.11.2026

Poff	13 W	13 W
PTO	0 W	0 W
PSB	13 W	13 W
PCK	0 W	0 W
Annual energy consumption Qce	1537 kWh	1048 kWh

This information was generated by the HP KEYMARK database on 16.11.2026

Model RASM-4TW2E & HWM-W2E-B - With Cooling Kit	
Model name	RASM-4TW2E & 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	3x400V 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	10.00 kW	10.00 kW
El input	2.21 kW	2.94 kW
COP	4.53	3.40

EN 14511-2 | Cooling		
	+7°C/+12°C	+18°C/+23°C
El input	3.16 kW	2.99 kW
Cooling capacity	10.00	10.00
EER	3.16	3.35

EN 12102-1 | Average Climate		
	Low temperature	Medium temperature
Sound power level indoor	41 dB(A)	41 dB(A)
Sound power level outdoor	53 dB(A)	53 dB(A)

EN 14825 | Average Climate		
	Low temperature	Medium temperature
ηs	180 %	144 %
Prated	10.00 kW	10.00 kW
SCOP	4.58	3.68
Tbiv	-7 °C	-7 °C

This information was generated by the HP KEYMARK database on 16.11.2026

TOL	-10 °C	-10 °C
Pdh Tj = -7°C	8.90 kW	8.90 kW
COP Tj = -7°C	2.87	2.29
Cdh Tj = -7 °C	0.900	0.900
Pdh Tj = +2°C	5.40 kW	5.40 kW
COP Tj = +2°C	4.30	3.47
Cdh Tj = +2 °C	0.900	0.900
Pdh Tj = +7°C	5.00 kW	5.00 kW
COP Tj = +7°C	6.73	5.37
Cdh Tj = +7 °C	0.900	0.900
Pdh Tj = 12°C	5.40 kW	5.00 kW
COP Tj = 12°C	9.21	7.69
Cdh Tj = +12 °C	0.900	0.900
Pdh Tj = Tbiv	8.90 kW	8.90 kW
COP Tj = Tbiv	2.87	2.29
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	8.90 kW	8.90 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.82	2.03
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	1.15 kW	1.15 kW
Annual energy consumption Qhe	4513 kWh	5611 kWh

EN 14825 | Cooling		
	+7°C/+12°C	+18°C/+23°C
Pdesignc	10.00 kW	10.00 kW
SEER	3.90	5.73
Pdc Tj = 35°C	10.00 kW	10.00 kW
EER Tj = 35°C	3.16	3.35
Cdc Tj = 35 °C	0.900	0.900
Pdc Tj = 30°C	7.40 kW	7.40 kW
EER Tj = 30°C	3.81	5.48
Cdc Tj = 30 °C	0.900	0.900
Pdc Tj = 25°C	4.20 kW	4.70 kW
EER Tj = 25°C	4.30	6.88
Cdc Tj = 25 °C	0.900	0.900
Pdc Tj = 20°C	4.20 kW	4.70 kW
EER Tj = 20°C	4.34	6.78
Cdc Tj = 20 °C	0.900	0.900

This information was generated by the HP KEYMARK database on 16.11.2026

Poff	13 W	13 W
PTO	0 W	0 W
PSB	13 W	13 W
PCK	0 W	0 W
Annual energy consumption Qce	1537 kWh	1048 kWh

Model RASM-4VTW2E & HWD-W2E-220S(-K) - With Cooling Kit	
Model name	RASM-4VTW2E & 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	118 %
COP	2.88
Heating up time	1:30 h:min
Standby power input	41.0 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	10.00 kW	10.00 kW
El input	2.21 kW	2.94 kW
COP	4.53	3.40

EN 14511-2 | Cooling		
	+7°C/+12°C	+18°C/+23°C
El input	3.16 kW	2.99 kW
Cooling capacity	10.00	10.00
EER	3.16	3.35

EN 12102-1 | Average Climate		
	Low temperature	Medium temperature

This information was generated by the HP KEYMARK database on 16.11.2026

Sound power level indoor	41 dB(A)	41 dB(A)
Sound power level outdoor	61 dB(A)	53 dB(A)

EN 14825 | Average Climate

	Low temperature	Medium temperature
ηs	179 %	144 %
Prated	10.00 kW	10.00 kW
SCOP	4.54	3.68
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	8.90 kW	8.90 kW
COP Tj = -7°C	2.87	2.29
Cdh Tj = -7 °C	0.900	0.900
Pdh Tj = +2°C	5.40 kW	5.40 kW
COP Tj = +2°C	4.30	3.47
Cdh Tj = +2 °C	0.900	0.900
Pdh Tj = +7°C	5.00 kW	5.00 kW
COP Tj = +7°C	6.80	5.37
Cdh Tj = +7 °C	0.900	0.900
Pdh Tj = 12°C	5.00 kW	5.00 kW
COP Tj = 12°C	8.92	7.69
Cdh Tj = +12 °C	0.900	0.900
Pdh Tj = Tbiv	8.90 kW	8.90 kW
COP Tj = Tbiv	2.87	2.29
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	8.90 kW	8.90 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.82	2.03
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	Electricity
Supplementary Heater: PSUP	1.15 kW	1.15 kW
Annual energy consumption Qhe	4552 kWh	5611 kWh

EN 14825 | Cooling

	+7°C/+12°C	+18°C/+23°C
Pdesignc	10.00 kW	10.00 kW
SEER	3.90	5.73
Pdc Tj = 35°C	10.00 kW	10.00 kW
EER Tj = 35°C	3.16	3.35
Cdc Tj = 35 °C	0.900	0.900

This information was generated by the HP KEYMARK database on 16.11.2026

Pdc Tj = 30°C	7.40 kW	7.40 kW
EER Tj = 30°C	3.81	5.48
Cdc Tj = 30 °C	0.900	0.900
Pdc Tj = 25°C	4.20 kW	4.70 kW
EER Tj = 25°C	4.30	6.88
Cdc Tj = 25 °C	0.900	0.900
Pdc Tj = 20°C	4.20 kW	4.70 kW
EER Tj = 20°C	4.34	6.78
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	1537 kWh	1048 kWh

This information was generated by the HP KEYMARK database on 16.11.2026

Model RASM-4TW2E & HWD-W2E-220S(-K) - With Cooling Kit	
Model name	RASM-4TW2E & 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	3x400V 50Hz
Off-peak product	n/a

Outdoor Air/Water EN 16147 | Average Climate	
Declared load profile	L
Efficiency ηDHW	118 %
COP	2.88
Heating up time	1:30 h:min
Standby power input	41.0 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	10.00 kW	10.00 kW
El input	2.21 kW	2.94 kW
COP	4.53	3.40

EN 14511-2 | Cooling		
	+7°C/+12°C	+18°C/+23°C
El input	3.16 kW	2.99 kW
Cooling capacity	10.00	10.00
EER	3.16	3.35

EN 12102-1 | Average Climate		
	Low temperature	Medium temperature

This information was generated by the HP KEYMARK database on 16.11.2026

Sound power level indoor	41 dB(A)	41 dB(A)
Sound power level outdoor	61 dB(A)	53 dB(A)

EN 14825 | Average Climate

	Low temperature	Medium temperature
ηs	179 %	144 %
Prated	10.00 kW	10.00 kW
SCOP	4.54	3.68
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	8.90 kW	8.90 kW
COP Tj = -7°C	2.87	2.29
Cdh Tj = -7 °C	0.900	0.900
Pdh Tj = +2°C	5.40 kW	5.40 kW
COP Tj = +2°C	4.30	3.47
Cdh Tj = +2 °C	0.900	0.900
Pdh Tj = +7°C	5.00 kW	5.00 kW
COP Tj = +7°C	6.80	5.37
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Supplementary Heater: Type of energy input	n/a	Electricity
Supplementary Heater: PSUP	1.15 kW	1.15 kW
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EN 14825 | Cooling

	+7°C/+12°C	+18°C/+23°C
Pdesignc	10.00 kW	10.00 kW
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Pdc Tj = 35°C	10.00 kW	10.00 kW
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Pdc Tj = 20°C	4.20 kW	4.70 kW
EER Tj = 20°C	4.34	6.78
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Poff	13 W	13 W
PTO	0 W	0 W
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