Login

Summary of	Aquarea Monobloc 9-12 kW T-CAP (J Series) + TD20	Reg. No.	011-1W0463
Certificate Holder			
Name	Panasonic Marketing Europe GmbH		
Address	Hagenauer Strasse 43, Wiesbaden	Zip	65203
City	Wiesbaden	Country	Germany
Certification Body	DIN CERTCO Gesellschaft für Konformitätsbewertung mbH		
Subtype title	Aquarea Monobloc 9-12 kW T-CAP (J Series) + TD20		
Heat Pump Type	Outdoor Air/Water		
Refrigerant	R32		
Mass of Refrigerant	1.6 kg		
Certification Date	10.11.2021		
Testing basis	HP KEYMARK certification scheme rules rev. 8		

Model: WH-MXC09J3E5

Configure model	
Model name	WH-MXC09J3E5
Application	Heating (medium temp)
Units	Outdoor
Climate Zone	n/a
Reversibility	Yes
Cooling mode application (optional)	+7°C/12°C

General Data	
Power supply	1x230V 50Hz

Heating

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

EN 14511-2		
	Low temperature	**Medium temperature**
Heat output	9.00 kW	9.00 kW
El input	1.77 kW	2.92 kW
COP	5.08	3.08

Average Climate

EN 12102-1		
	Low temperature	**Medium temperature**
Sound power level outdoor	65 dB(A)	65 dB(A)

EN 14825		
	Low temperature	**Medium temperature**
η_s	195 %	140 %
Prated	9.00 kW	9.00 kW
SCOP	4.96	3.57
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	8.00 kW	8.00 kW
COP Tj = -7°C	3.04	2.33
Cdh Tj = -7 °C	1.000	1.000
Pdh Tj = +2°C	4.90 kW	4.90 kW
COP Tj = +2°C	4.93	3.46
Cdh Tj = +2 °C	0.990	0.990
Pdh Tj = +7°C	5.40 kW	5.10 kW
COP Tj = +7°C	6.26	4.48
Cdh Tj = +7 °C	0.990	0.990
Pdh Tj = 12°C	6.30 kW	6.10 kW

COP Tj = 12°C	8.19	6.02
Cdh Tj = +12 °C	0.990	0.990
Pdh Tj = Tbiv	9.00 kW	9.00 kW
COP Tj = Tbiv	2.90	2.04
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	9.00 kW	9.00 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.90	2.04
WTOL	55 °C	55 °C
Poff	9 W	9 W
PTO	10 W	10 W
PSB	9 W	9 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	3747 kWh	5208 kWh

Cooling

EN 14511-2	
	+7°C/+12°C
El input	2.83 kW
Cooling capacity	9.00
EER	3.18

EN 14825	
	+7°C/+12°C
Pdesignc	9.00 kW
SEER	4.80
Pdc Tj = 35°C	9.00 kW
EER Tj = 35°C	3.18
Pdc Tj = 30°C	6.63 kW
EER Tj = 30°C	4.20
Cdc	0.9
Pdc Tj = 25°C	4.60 kW
EER Tj = 25°C	5.32
Cdc	0.9
Pdc Tj = 20°C	4.80 kW
EER Tj = 20°C	6.16
Cdc	0.9
Poff	9 W
PTO	1 W
PSB	9 W
PCK	0 W
Annual energy consumption Qce	656 kWh

Model: WH-MXC12J6E5

Configure model	
Model name	WH-MXC12J6E5
Application	Heating (medium temp)
Units	Outdoor
Climate Zone	n/a
Reversibility	Yes
Cooling mode application (optional)	+7°C/12°C

General Data	
Power supply	1x230V 50Hz

Heating

EN 14511-2		
	Low temperature	**Medium temperature**
Heat output	12.00 kW	12.00 kW
El input	2.50 kW	3.94 kW
COP	4.80	3.05

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

Average Climate

EN 12102-1		
	Low temperature	**Medium temperature**
Sound power level outdoor	65 dB(A)	65 dB(A)

EN 14825		
	Low temperature	**Medium temperature**
η_s	195 %	140 %
Prated	9.00 kW	9.00 kW
SCOP	4.96	3.57
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	8.00 kW	8.00 kW
COP Tj = -7°C	3.04	2.33
Cdh Tj = -7 °C	1.000	1.000
Pdh Tj = +2°C	4.90 kW	4.90 kW
COP Tj = +2°C	4.93	3.46
Cdh Tj = +2 °C	0.990	0.990
Pdh Tj = +7°C	5.40 kW	5.10 kW
COP Tj = +7°C	6.26	4.48
Cdh Tj = +7 °C	0.990	0.990
Pdh Tj = 12°C	6.30 kW	6.10 kW

COP Tj = 12°C	8.19	6.02
Cdh Tj = +12 °C	0.990	0.990
Pdh Tj = Tbiv	9.00 kW	9.00 kW
COP Tj = Tbiv	2.90	2.04
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	9.00 kW	9.00 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.90	2.04
WTOL	55 °C	55 °C
Poff	9 W	9 W
PTO	10 W	10 W
PSB	9 W	9 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	3747 kWh	5208 kWh

Cooling

EN 14825

	+7°C/+12°C
Pdesignc	12.00 kW
SEER	4.79
Pdc Tj = 35°C	12.00 kW
EER Tj = 35°C	2.90
Pdc Tj = 30°C	8.84 kW
EER Tj = 30°C	4.02
Cdc	0.9
Pdc Tj = 25°C	5.68 kW
EER Tj = 25°C	5.40
Cdc	0.9
Pdc Tj = 20°C	4.90 kW
EER Tj = 20°C	6.30
Cdc	0.9
Poff	9 W
PTO	1 W
PSB	9 W
PCK	0 W
Annual energy consumption Qce	878 kWh

EN 14511-2	
	+7°C/+12°C
El input	4.14 kW
Cooling capacity	12.00
EER	2.90

Model: WH-MXC09J3E5 + PAW-TD20C1E5

Configure model	
Model name	WH-MXC09J3E5 + PAW-TD20C1E5
Application	Heating + DHW + low temp
Units	Outdoor
Climate Zone	n/a
Reversibility	Yes
Cooling mode application (optional)	+7°C/12°C

General Data	
Power supply	1x230V 50Hz

Heating

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

EN 14511-2		
	Low temperature	**Medium temperature**
Heat output	9.00 kW	9.00 kW
El input	1.77 kW	2.92 kW
COP	5.08	3.08

Average Climate

EN 12102-1		
	Low temperature	**Medium temperature**
Sound power level outdoor	65 dB(A)	65 dB(A)

EN 14825		
	Low temperature	**Medium temperature**
η_s	195 %	140 %
Prated	9.00 kW	9.00 kW
SCOP	4.96	3.57
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	8.00 kW	8.00 kW
COP Tj = -7°C	3.04	2.33
Cdh Tj = -7 °C	1.000	1.000
Pdh Tj = +2°C	4.90 kW	4.90 kW
COP Tj = +2°C	4.93	3.46
Cdh Tj = +2 °C	0.990	0.990
Pdh Tj = +7°C	5.40 kW	5.10 kW
COP Tj = +7°C	6.26	4.48
Cdh Tj = +7 °C	0.990	0.990
Pdh Tj = 12°C	6.30 kW	6.10 kW

COP Tj = 12°C	8.19	6.02
Cdh Tj = +12 °C	0.990	0.990
Pdh Tj = Tbiv	9.00 kW	9.00 kW
COP Tj = Tbiv	2.90	2.04
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	9.00 kW	9.00 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.90	2.04
WTOL	55 °C	55 °C
Poff	9 W	9 W
PTO	10 W	10 W
PSB	9 W	9 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	3747 kWh	5208 kWh

Cooling

EN 14511-2	
	+7°C/+12°C
El input	2.83 kW
Cooling capacity	9.00
EER	3.18

EN 14825	
	+7°C/+12°C
Pdesignc	9.00 kW
SEER	4.80
Pdc Tj = 35°C	9.00 kW
EER Tj = 35°C	3.18
Pdc Tj = 30°C	6.63 kW
EER Tj = 30°C	4.20
Cdc	0.9
Pdc Tj = 25°C	4.60 kW
EER Tj = 25°C	5.32
Cdc	0.9
Pdc Tj = 20°C	4.80 kW
EER Tj = 20°C	6.16
Cdc	0.9
Poff	9 W
PTO	1 W
PSB	9 W
PCK	0 W
Annual energy consumption Qce	656 kWh

Domestic Hot Water (DHW)

Average Climate

EN 16147	
Declared load profile	L
Efficiency ηDHW	96 %
COP	2.26
Heating up time	0:54 h:min
Standby power input	50.0 W
Reference hot water temperature	52.0 °C
Mixed water at 40°C	256 l

Model: WH-MXC12J6E5 + PAW-TD20C1E5

Configure model	
Model name	WH-MXC12J6E5 + PAW-TD20C1E5
Application	Heating + DHW + low temp
Units	Outdoor
Climate Zone	n/a
Reversibility	Yes
Cooling mode application (optional)	+7°C/12°C

General Data	
Power supply	1x230V 50Hz

Heating

EN 14511-2		
	Low temperature	**Medium temperature**
Heat output	12.00 kW	12.00 kW
El input	2.50 kW	3.94 kW
COP	4.80	3.05

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

Average Climate

EN 12102-1		
	Low temperature	**Medium temperature**
Sound power level outdoor	65 dB(A)	65 dB(A)

EN 14825		
	Low temperature	**Medium temperature**
η_s	195 %	140 %
Prated	9.00 kW	9.00 kW
SCOP	4.96	3.57
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	8.00 kW	8.00 kW
COP Tj = -7°C	3.04	2.33
Cdh Tj = -7 °C	1.000	1.000
Pdh Tj = +2°C	4.90 kW	4.90 kW
COP Tj = +2°C	4.93	3.46
Cdh Tj = +2 °C	0.990	0.990
Pdh Tj = +7°C	5.40 kW	5.10 kW
COP Tj = +7°C	6.26	4.48
Cdh Tj = +7 °C	0.990	0.990
Pdh Tj = 12°C	6.30 kW	6.10 kW

COP Tj = 12°C	8.19	6.02
Cdh Tj = +12 °C	0.990	0.990
Pdh Tj = Tbiv	9.00 kW	9.00 kW
COP Tj = Tbiv	2.90	2.04
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	9.00 kW	9.00 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.90	2.04
WTOL	55 °C	55 °C
Poff	9 W	9 W
PTO	10 W	10 W
PSB	9 W	9 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	3747 kWh	5208 kWh

Cooling

EN 14825

	+7°C/+12°C
Pdesignc	12.00 kW
SEER	4.79
Pdc Tj = 35°C	12.00 kW
EER Tj = 35°C	2.90
Pdc Tj = 30°C	8.84 kW
EER Tj = 30°C	4.02
Cdc	0.9
Pdc Tj = 25°C	5.68 kW
EER Tj = 25°C	5.40
Cdc	0.9
Pdc Tj = 20°C	4.90 kW
EER Tj = 20°C	6.30
Cdc	0.9
Poff	9 W
PTO	1 W
PSB	9 W
PCK	0 W
Annual energy consumption Qce	878 kWh

EN 14511-2	
	+7°C/+12°C
El input	4.14 kW
Cooling capacity	12.00
EER	2.90

Domestic Hot Water (DHW)

Average Climate

EN 16147	
Declared load profile	L
Efficiency ηDHW	96 %
COP	2.26
Heating up time	0:54 h:min
Standby power input	50.0 W
Reference hot water temperature	52.0 °C
Mixed water at 40°C	256 l

Model: WH-MXC09J3E8

Configure model	
Model name	WH-MXC09J3E8
Application	Heating (medium temp)
Units	Outdoor
Climate Zone	n/a
Reversibility	Yes
Cooling mode application (optional)	+7°C/12°C

General Data	
Power supply	3x400V 50Hz

Heating

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

EN 14511-2		
	Low temperature	**Medium temperature**
Heat output	9.00 kW	9.00 kW
El input	1.77 kW	2.92 kW
COP	5.08	3.08

Average Climate

EN 12102-1		
	Low temperature	**Medium temperature**
Sound power level outdoor	65 dB(A)	65 dB(A)

EN 14825		
	Low temperature	**Medium temperature**
η_s	195 %	140 %
Prated	9.00 kW	9.00 kW
SCOP	4.96	3.57
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	8.00 kW	8.00 kW
COP Tj = -7°C	3.04	2.33
Cdh Tj = -7 °C	1.000	1.000
Pdh Tj = +2°C	4.90 kW	4.90 kW
COP Tj = +2°C	4.93	3.46
Cdh Tj = +2 °C	0.990	0.990
Pdh Tj = +7°C	5.40 kW	5.10 kW
COP Tj = +7°C	6.26	4.48
Cdh Tj = +7 °C	0.990	0.990
Pdh Tj = 12°C	6.30 kW	6.10 kW

COP Tj = 12°C	8.19	6.02
Cdh Tj = +12 °C	0.990	0.990
Pdh Tj = Tbiv	9.00 kW	9.00 kW
COP Tj = Tbiv	2.90	2.04
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	9.00 kW	9.00 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.90	2.04
WTOL	55 °C	55 °C
Poff	9 W	9 W
PTO	10 W	10 W
PSB	9 W	9 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	3747 kWh	5208 kWh

Cooling

EN 14511-2	
	+7°C/+12°C
El input	2.83 kW
Cooling capacity	9.00
EER	3.18

EN 14825	
	+7°C/+12°C
Pdesignc	9.00 kW
SEER	4.80
Pdc Tj = 35°C	9.00 kW
EER Tj = 35°C	3.18
Pdc Tj = 30°C	6.63 kW
EER Tj = 30°C	4.20
Cdc	0.9
Pdc Tj = 25°C	4.60 kW
EER Tj = 25°C	5.32
Cdc	0.9
Pdc Tj = 20°C	4.80 kW
EER Tj = 20°C	6.16
Cdc	0.9
Poff	9 W
PTO	1 W
PSB	9 W
PCK	0 W
Annual energy consumption Qce	656 kWh

Model: WH-MXC12J9E8

Configure model	
Model name	WH-MXC12J9E8
Application	Heating (medium temp)
Units	Outdoor
Climate Zone	n/a
Reversibility	Yes
Cooling mode application (optional)	+7°C/12°C

General Data	
Power supply	3x400V 50Hz

Heating

EN 14511-2		
	Low temperature	**Medium temperature**
Heat output	12.00 kW	12.00 kW
El input	2.50 kW	3.94 kW
COP	4.80	3.05

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

Average Climate

EN 12102-1		
	Low temperature	**Medium temperature**
Sound power level outdoor	65 dB(A)	65 dB(A)

EN 14825		
	Low temperature	**Medium temperature**
η_s	195 %	140 %
Prated	9.00 kW	9.00 kW
SCOP	4.96	3.57
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	8.00 kW	8.00 kW
COP Tj = -7°C	3.04	2.33
Cdh Tj = -7 °C	1.000	1.000
Pdh Tj = +2°C	4.90 kW	4.90 kW
COP Tj = +2°C	4.93	3.46
Cdh Tj = +2 °C	0.990	0.990
Pdh Tj = +7°C	5.40 kW	5.10 kW
COP Tj = +7°C	6.26	4.48
Cdh Tj = +7 °C	0.990	0.990
Pdh Tj = 12°C	6.30 kW	6.10 kW

COP Tj = 12°C	8.19	6.02
Cdh Tj = +12 °C	0.990	0.990
Pdh Tj = Tbiv	9.00 kW	9.00 kW
COP Tj = Tbiv	2.90	2.04
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	9.00 kW	9.00 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.90	2.04
WTOL	55 °C	55 °C
Poff	9 W	9 W
PTO	10 W	10 W
PSB	9 W	9 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	3747 kWh	5208 kWh

Cooling

EN 14825

	+7°C/+12°C
Pdesignc	12.00 kW
SEER	4.79
Pdc Tj = 35°C	12.00 kW
EER Tj = 35°C	2.90
Pdc Tj = 30°C	8.84 kW
EER Tj = 30°C	4.02
Cdc	0.9
Pdc Tj = 25°C	5.68 kW
EER Tj = 25°C	5.40
Cdc	0.9
Pdc Tj = 20°C	4.90 kW
EER Tj = 20°C	6.30
Cdc	0.9
Poff	9 W
PTO	1 W
PSB	9 W
PCK	0 W
Annual energy consumption Qce	878 kWh

EN 14511-2	
	+7°C/+12°C
El input	4.14 kW
Cooling capacity	12.00
EER	2.90

Model: WH-MXC09J3E8 + PAW-TD20C1E5

Configure model	
Model name	WH-MXC09J3E8 + PAW-TD20C1E5
Application	Heating + DHW + low temp
Units	Outdoor
Climate Zone	n/a
Reversibility	Yes
Cooling mode application (optional)	+7°C/12°C

General Data	
Power supply	3x400V 50Hz

Heating

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

EN 14511-2		
	Low temperature	**Medium temperature**
Heat output	9.00 kW	9.00 kW
El input	1.77 kW	2.92 kW
COP	5.08	3.08

Average Climate

EN 12102-1		
	Low temperature	**Medium temperature**
Sound power level outdoor	65 dB(A)	65 dB(A)

EN 14825		
	Low temperature	**Medium temperature**
η_s	195 %	140 %
Prated	9.00 kW	9.00 kW
SCOP	4.96	3.57
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	8.00 kW	8.00 kW
COP Tj = -7°C	3.04	2.33
Cdh Tj = -7 °C	1.000	1.000
Pdh Tj = +2°C	4.90 kW	4.90 kW
COP Tj = +2°C	4.93	3.46
Cdh Tj = +2 °C	0.990	0.990
Pdh Tj = +7°C	5.40 kW	5.10 kW
COP Tj = +7°C	6.26	4.48
Cdh Tj = +7 °C	0.990	0.990
Pdh Tj = 12°C	6.30 kW	6.10 kW

COP Tj = 12°C	8.19	6.02
Cdh Tj = +12 °C	0.990	0.990
Pdh Tj = Tbiv	9.00 kW	9.00 kW
COP Tj = Tbiv	2.90	2.04
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	9.00 kW	9.00 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.90	2.04
WTOL	55 °C	55 °C
Poff	9 W	9 W
PTO	10 W	10 W
PSB	9 W	9 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	3747 kWh	5208 kWh

Cooling

EN 14511-2	
	+7°C/+12°C
El input	2.83 kW
Cooling capacity	9.00
EER	3.18

EN 14825	
	+7°C/+12°C
Pdesignc	9.00 kW
SEER	4.80
Pdc Tj = 35°C	9.00 kW
EER Tj = 35°C	3.18
Pdc Tj = 30°C	6.63 kW
EER Tj = 30°C	4.20
Cdc	0.9
Pdc Tj = 25°C	4.60 kW
EER Tj = 25°C	5.32
Cdc	0.9
Pdc Tj = 20°C	4.80 kW
EER Tj = 20°C	6.16
Cdc	0.9
Poff	9 W
PTO	1 W
PSB	9 W
PCK	0 W
Annual energy consumption Qce	656 kWh

Domestic Hot Water (DHW)

Average Climate

EN 16147	
Declared load profile	L
Efficiency ηDHW	96 %
COP	2.26
Heating up time	0:54 h:min
Standby power input	50.0 W
Reference hot water temperature	52.0 °C
Mixed water at 40°C	256 l

Model: WH-MXC12J9E8 + PAW-TD20C1E5

Configure model	
Model name	WH-MXC12J9E8 + PAW-TD20C1E5
Application	Heating + DHW + low temp
Units	Outdoor
Climate Zone	n/a
Reversibility	Yes
Cooling mode application (optional)	+7°C/12°C

General Data	
Power supply	n/a

Heating

EN 14511-2		
	Low temperature	**Medium temperature**
Heat output	12.00 kW	12.00 kW
El input	2.50 kW	3.94 kW
COP	4.80	3.05

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

Average Climate

EN 12102-1		
	Low temperature	**Medium temperature**
Sound power level outdoor	65 dB(A)	65 dB(A)

EN 14825		
	Low temperature	**Medium temperature**
η_s	195 %	140 %
Prated	9.00 kW	9.00 kW
SCOP	4.96	3.57
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	8.00 kW	8.00 kW
COP Tj = -7°C	3.04	2.33
Cdh Tj = -7 °C	1.000	1.000
Pdh Tj = +2°C	4.90 kW	4.90 kW
COP Tj = +2°C	4.93	3.46
Cdh Tj = +2 °C	0.990	0.990
Pdh Tj = +7°C	5.40 kW	5.10 kW
COP Tj = +7°C	6.26	4.48
Cdh Tj = +7 °C	0.990	0.990
Pdh Tj = 12°C	6.30 kW	6.10 kW

COP Tj = 12°C	8.19	6.02
Cdh Tj = +12 °C	0.990	0.990
Pdh Tj = Tbiv	9.00 kW	9.00 kW
COP Tj = Tbiv	2.90	2.04
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	9.00 kW	9.00 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.90	2.04
WTOL	55 °C	55 °C
Poff	9 W	9 W
PTO	10 W	10 W
PSB	9 W	9 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	3747 kWh	5208 kWh

Cooling

EN 14825

	+7°C/+12°C
Pdesignc	12.00 kW
SEER	4.79
Pdc Tj = 35°C	12.00 kW
EER Tj = 35°C	2.90
Pdc Tj = 30°C	8.84 kW
EER Tj = 30°C	4.02
Cdc	0.9
Pdc Tj = 25°C	5.68 kW
EER Tj = 25°C	5.40
Cdc	0.9
Pdc Tj = 20°C	4.90 kW
EER Tj = 20°C	6.30
Cdc	0.9
Poff	9 W
PTO	1 W
PSB	9 W
PCK	0 W
Annual energy consumption Qce	878 kWh

EN 14511-2	
	+7°C/+12°C
El input	4.14 kW
Cooling capacity	12.00
EER	2.90

Domestic Hot Water (DHW)

Average Climate

EN 16147	
Declared load profile	L
Efficiency ηDHW	96 %
COP	2.26
Heating up time	0:54 h:min
Standby power input	50.0 W
Reference hot water temperature	52.0 °C
Mixed water at 40°C	256 l