Subtype VERSATI AIO G3 8/10kW

Certificate Holder	Gree Electric Appliances, Inc. of Zhuhai
Address	West Jinji Rd
ZIP	519070
City	Qianshan, Zhuhai, Guangdong
Country	CN
Certification Body	BRE Global Limited
Subtype title	VERSATI AIO G3 8/10kW
Registration number	041-K004-31
Heat Pump Type	Outdoor Air/Water
Refrigerant	R32
Mass of Refrigerant	1.75 kg
Certification Date	17.06.2025
Testing basis	Heat Pump Keymark Scheme Rules Rev 15
Testing laboratory	Intertek Testing Services Shenzhen LTD. Guangzhou Branch, CN

Model GRS-CQ8.0PdG/NhH3-E	
Model name	GRS-CQ8.0PdG/NhH3-E
Application	Heating + DHW + low temp
Units	Indoor, Outdoor
Climate zone (for heating)	Colder, Warmer, Warmer Climate, Colder Climate
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	123 %
COP	2.92
Heating up time	1:47 h:min
Standby power input	36.1 W
Reference hot water temperature	53.1 °C
Mixed water at 40°C	226 l
EN 16147 | Colder Climate	
Declared load profile	L
Efficiency ηDHW	94 %
COP	2.25
Heating up time	1:58 h:min
Standby power input	38.2 W
Reference hot water temperature	53 °C
Mixed water at 40°C	226 l
EN 16147 | Warmer Climate	
Declared load profile	L
Efficiency ηDHW	143 %
COP	3.4
Heating up time	1:33 h:min
Standby power input	30 W
Reference hot water temperature	53.2 °C
Mixed water at 40°C	226 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	8.3 kW	7.5 kW
El input	1.57 kW	3.42 kW
COP	5.3	2.19

EN 12102-1 | Average Climate

	Low temperature	Medium temperature
Sound power level indoor	47 dB(A)	47 dB(A)
Sound power level outdoor	64 dB(A)	64 dB(A)

EN 14825 | Average Climate

	Low temperature	Medium temperature
ηs	183 %	131 %
Prated	8 kW	8 kW
SCOP	4.65	3.35
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	7.02 kW	6.89 kW
COP Tj = -7°C	3.17	2.33
Cdh Tj = -7 °C	0.99	0.99
Pdh Tj = +2°C	4.7 kW	4.66 kW
COP Tj = +2°C	4.6	3.24
Cdh Tj = +2 °C	0.98	0.98
Pdh Tj = +7°C	3.02 kW	2.96 kW
COP Tj = +7°C	5.68	4.18
Cdh Tj = +7 °C	0.95	0.97
Pdh Tj = 12°C	3.28 kW	3.21 kW
COP Tj = 12°C	7.34	5.24
Cdh Tj = +12 °C	0.94	0.96
Pdh Tj = Tbiv	7.02 kW	6.89 kW
COP Tj = Tbiv	3.17	2.33
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	6.82 kW	7.01 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.79	2.07
WTOL	65 °C	65 °C
Poff	25 W	25 W
PTO	25 W	25 W
PSB	25 W	25 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity

Supplementary Heater: PSUP	1.18 kW	0.99 kW
Annual energy consumption Qhe	3529 kWh	4799 kWh

EN 14825 | Colder Climate

	Low temperature	Medium temperature
ηs	150 %	111 %
Prated	7 kW	7 kW
SCOP	3.83	2.85
Tbiv	-15 °C	-15 °C
TOL	-22 °C	-22 °C
Pdh Tj = -7°C	4.41 kW	4.28 kW
COP Tj = -7°C	3.63	2.4
Cdh Tj = -7 °C	0.98	0.99
Pdh Tj = +2°C	2.77 kW	2.69 kW
COP Tj = +2°C	4.34	3.43
Cdh Tj = +2 °C	0.96	0.97
Pdh Tj = +7°C	2.53 kW	2.43 kW
COP Tj = +7°C	5.31	4.94
Cdh Tj = +7 °C	0.95	0.95
Pdh Tj = 12°C	3.33 kW	3.26 kW
COP Tj = 12°C	6.84	5.61
Cdh Tj = +12 °C	0.95	0.93
Pdh Tj = Tbiv	5.56 kW	5.88 kW
COP Tj = Tbiv	2.75	1.65
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	3.15 kW	5.18 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	1.43	1.23
WTOL	65 °C	65 °C
Poff	25 W	25 W
PTO	25 W	25 W
PSB	25 W	25 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	3.85 kW	1.82 kW
Annual energy consumption Qhe	4363 kWh	6190 kWh
Pdh Tj = -15°C (if TOL	5.56	5.88
COP Tj = -15°C (if TOL	2.75	1.65

EN 14825 | Warmer Climate

	Low temperature	Medium temperature
ηs	235 %	162 %
Prated	9.00 kW	9.00 kW
SCOP	5.95	4.13
Tbiv	2 °C	2 °C

TOL	2 °C	2 °C
Pdh Tj = +2°C	8.71 kW	9.01 kW
COP Tj = +2°C	3.56	2.51
Cdh Tj = +2 °C	0.990	0.990
Pdh Tj = +7°C	5.83 kW	5.29 kW
COP Tj = +7°C	5.18	3.58
Cdh Tj = +7 °C	0.980	0.980
Pdh Tj = 12°C	2.74 kW	2.77 kW
COP Tj = 12°C	7.51	5.15
Cdh Tj = +12 °C	0.930	0.950
Pdh Tj = Tbiv	8.71 kW	9.01 kW
COP Tj = Tbiv	3.56	2.51
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	8.71 kW	9.01 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.56	2.51
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh		
WTOL	65 °C	65 °C
Poff	25 W	25 W
PTO	25 W	25 W
PSB	25 W	25 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	1950 kWh	2907 kWh

Model GRS-CQ10PdG/NhH3-E	
Model name	GRS-CQ10PdG/NhH3-E
Application	Heating + DHW + low temp
Units	Indoor, Outdoor
Climate zone (for heating)	Colder, Warmer, Warmer Climate, Colder Climate
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	123 %
COP	2.92
Heating up time	1:47 h:min
Standby power input	36.1 W
Reference hot water temperature	53.1 °C
Mixed water at 40°C	226 l
EN 16147 | Colder Climate	
Declared load profile	L
Efficiency ηDHW	94 %
COP	2.25
Heating up time	1:58 h:min
Standby power input	38.2 W
Reference hot water temperature	53 °C
Mixed water at 40°C	226 l
EN 16147 | Warmer Climate	
Declared load profile	L
Efficiency ηDHW	143 %
COP	3.4
Heating up time	1:33 h:min
Standby power input	30 W
Reference hot water temperature	53.2 °C
Mixed water at 40°C	226 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	10.2 kW	9.06 kW
El input	2.04 kW	4.15 kW
COP	5	2.18

EN 12102-1 | Average Climate		
	Low temperature	Medium temperature
Sound power level indoor	47 dB(A)	47 dB(A)
Sound power level outdoor	64 dB(A)	64 dB(A)

EN 14825 | Average Climate		
	Low temperature	Medium temperature
ηs	182 %	130 %
Prated	9 kW	9 kW
SCOP	4.63	3.33
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	7.76 kW	7.65 kW
COP Tj = -7°C	3.15	2.29
Cdh Tj = -7 °C	0.99	0.99
Pdh Tj = +2°C	4.9 kW	4.66 kW
COP Tj = +2°C	4.59	3.24
Cdh Tj = +2 °C	0.98	0.98
Pdh Tj = +7°C	3.04 kW	3.08 kW
COP Tj = +7°C	5.67	4.17
Cdh Tj = +7 °C	0.95	0.97
Pdh Tj = 12°C	3.28 kW	3.21 kW
COP Tj = 12°C	7.34	5.24
Cdh Tj = +12 °C	0.94	0.96
Pdh Tj = Tbiv	7.76 kW	7.65 kW
COP Tj = Tbiv	3.15	2.29
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	7.14 kW	7.01 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.76	2.07
WTOL	65 °C	65 °C
Poff	25 W	25 W
PTO	25 W	25 W
PSB	25 W	25 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity

Supplementary Heater: PSUP	1.86 kW	1.99 kW
Annual energy consumption Qhe	3912 kWh	5344 kWh

EN 14825 | Colder Climate

	Low temperature	Medium temperature
ηs	149 %	111 %
Prated	8 kW	8 kW
SCOP	3.8	2.85
Tbiv	-15 °C	-15 °C
TOL	-22 °C	-22 °C
Pdh Tj = -7°C	5.22 kW	5.25 kW
COP Tj = -7°C	3.62	2.39
Cdh Tj = -7 °C	0.98	0.99
Pdh Tj = +2°C	3.27 kW	3.19 kW
COP Tj = +2°C	4.29	3.39
Cdh Tj = +2 °C	0.97	0.97
Pdh Tj = +7°C	2.53 kW	2.43 kW
COP Tj = +7°C	5.31	4.94
Cdh Tj = +7 °C	0.95	0.95
Pdh Tj = 12°C	3.33 kW	3.26 kW
COP Tj = 12°C	6.84	5.61
Cdh Tj = +12 °C	0.95	0.96
Pdh Tj = Tbiv	6.46 kW	6.44 kW
COP Tj = Tbiv	2.72	1.65
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	3.15 kW	5.19 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	1.43	1.22
WTOL	65 °C	65 °C
Poff	25 W	25 W
PTO	25 W	25 W
PSB	25 W	25 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	4.85 kW	2.81 kW
Annual energy consumption Qhe	5105 kWh	6820 kWh
Pdh Tj = -15°C (if TOL	6.46	6.44
COP Tj = -15°C (if TOL	2.72	1.65

EN 14825 | Warmer Climate

	Low temperature	Medium temperature
ηs	235 %	162 %
Prated	10.00 kW	10.00 kW
SCOP	5.95	4.13
Tbiv	2 °C	2 °C

TOL	2 °C	2 °C
Pdh Tj = +2°C	9.55 kW	9.51 kW
COP Tj = +2°C	3.39	2.47
Cdh Tj = +2 °C	0.990	0.990
Pdh Tj = +7°C	5.83 kW	5.84 kW
COP Tj = +7°C	5.18	3.56
Cdh Tj = +7 °C	0.980	0.980
Pdh Tj = 12°C	2.78 kW	2.76 kW
COP Tj = 12°C	7.48	5.15
Cdh Tj = +12 °C	0.930	0.950
Pdh Tj = Tbiv	9.55 kW	9.51 kW
COP Tj = Tbiv	3.39	2.47
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	9.55 kW	9.51 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.39	2.47
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh		
WTOL	65 °C	65 °C
Poff	25 W	25 W
PTO	25 W	25 W
PSB	25 W	25 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	2138 kWh	3074 kWh

Model GRS-CQ8.0PdG/NhH3-M	
Model name	GRS-CQ8.0PdG/NhH3-M
Application	Heating + DHW + low temp
Units	Indoor, Outdoor
Climate zone (for heating)	Colder, Warmer, Warmer Climate, Colder Climate
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	114 %
COP	2.69
Heating up time	1:28 h:min
Standby power input	46.8 W
Reference hot water temperature	54.1 °C
Mixed water at 40°C	239 l
EN 16147 | Colder Climate	
Declared load profile	L
Efficiency ηDHW	91 %
COP	2.17
Heating up time	1:48 h:min
Standby power input	46.8 W
Reference hot water temperature	53.6 °C
Mixed water at 40°C	235 l
EN 16147 | Warmer Climate	
Declared load profile	L
Efficiency ηDHW	118 %
COP	2.75
Heating up time	1:39 h:min
Standby power input	52.0 W
Reference hot water temperature	54.9 °C
Mixed water at 40°C	242 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	8.3 kW	7.5 kW
El input	1.67 kW	3.42 kW
COP	4.97	2.19

EN 12102-1 | Average Climate

	Low temperature	Medium temperature
Sound power level indoor	47 dB(A)	47 dB(A)
Sound power level outdoor	64 dB(A)	64 dB(A)

EN 14825 | Average Climate

	Low temperature	Medium temperature
ηs	181 %	130 %
Prated	8 kW	8 kW
SCOP	4.6	3.33
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	7.03 kW	6.89 kW
COP Tj = -7°C	3.12	2.29
Cdh Tj = -7 °C	0.99	0.99
Pdh Tj = +2°C	4.7 kW	4.66 kW
COP Tj = +2°C	4.6	3.24
Cdh Tj = +2 °C	0.98	0.98
Pdh Tj = +7°C	3.02 kW	2.96 kW
COP Tj = +7°C	5.68	4.18
Cdh Tj = +7 °C	0.95	0.97
Pdh Tj = 12°C	3.28 kW	3.21 kW
COP Tj = 12°C	6.82	5.24
Cdh Tj = +12 °C	0.95	0.96
Pdh Tj = Tbiv	7.03 kW	6.89 kW
COP Tj = Tbiv	3.12	2.29
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	6.82 kW	7.01 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.79	2.07
WTOL	65 °C	65 °C
Poff	25 W	25 W
PTO	25 W	25 W
PSB	25 W	25 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity

Supplementary Heater: PSUP	1.18 kW	0.99 kW
Annual energy consumption Qhe	3556 kWh	4814 kWh

EN 14825 | Colder Climate

	Low temperature	Medium temperature
ηs	150 %	111 %
Prated	7 kW	7 kW
SCOP	3.83	2.85
Tbiv	-15 °C	-15 °C
TOL	-22 °C	-22 °C
Pdh Tj = -7°C	4.41 kW	4.28 kW
COP Tj = -7°C	3.63	2.4
Cdh Tj = -7 °C	0.98	0.99
Pdh Tj = +2°C	2.77 kW	2.69 kW
COP Tj = +2°C	4.34	3.43
Cdh Tj = +2 °C	0.96	0.97
Pdh Tj = +7°C	2.53 kW	2.43 kW
COP Tj = +7°C	5.29	4.93
Cdh Tj = +7 °C	0.95	0.95
Pdh Tj = 12°C	3.33 kW	3.26 kW
COP Tj = 12°C	6.84	5.61
Cdh Tj = +12 °C	0.95	0.96
Pdh Tj = Tbiv	5.56 kW	5.88 kW
COP Tj = Tbiv	2.73	1.65
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	3.15 kW	5.19 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	1.43	1.23
WTOL	65 °C	65 °C
Poff	25 W	25 W
PTO	25 W	25 W
PSB	25 W	25 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	3.85 kW	1.81 kW
Annual energy consumption Qhe	4371 kWh	6190 kWh
Pdh Tj = -15°C (if TOL	5.56	5.88
COP Tj = -15°C (if TOL	2.73	1.65

EN 14825 | Warmer Climate

	Low temperature	Medium temperature
ηs	230 %	159 %
Prated	9.00 kW	9.00 kW
SCOP	5.83	4.05
Tbiv	2 °C	2 °C

TOL	2 °C	2 °C
Pdh Tj = +2°C	8.71 kW	9.01 kW
COP Tj = +2°C	3.56	2.41
Cdh Tj = +2 °C	0.990	0.990
Pdh Tj = +7°C	5.83 kW	5.30 kW
COP Tj = +7°C	5.07	3.52
Cdh Tj = +7 °C	0.980	0.980
Pdh Tj = 12°C	2.78 kW	2.77 kW
COP Tj = 12°C	7.34	5.02
Cdh Tj = +12 °C	0.930	0.950
Pdh Tj = Tbiv	8.71 kW	9.01 kW
COP Tj = Tbiv	3.56	2.41
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	8.71 kW	9.01 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.56	2.41
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh		
WTOL	65 °C	65 °C
Poff	25 W	25 W
PTO	25 W	25 W
PSB	25 W	25 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	1991 kWh	2969 kWh

Model GRS-CQ10PdG/NhH3-M	
Model name	GRS-CQ10PdG/NhH3-M
Application	Heating + DHW + low temp
Units	Indoor, Outdoor
Climate zone (for heating)	Colder, Warmer, Warmer Climate, Colder Climate
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	114 %
COP	2.69
Heating up time	1:28 h:min
Standby power input	46.8 W
Reference hot water temperature	54.1 °C
Mixed water at 40°C	239 l
EN 16147 | Colder Climate	
Declared load profile	L
Efficiency ηDHW	91 %
COP	2.17
Heating up time	1:48 h:min
Standby power input	46.8 W
Reference hot water temperature	53.6 °C
Mixed water at 40°C	235 l
EN 16147 | Warmer Climate	
Declared load profile	L
Efficiency ηDHW	118 %
COP	2.75
Heating up time	1:39 h:min
Standby power input	52.0 W
Reference hot water temperature	54.9 °C
Mixed water at 40°C	242 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	10.2 kW	9.06 kW
El input	2.08 kW	4.15 kW
COP	4.9	2.19

EN 12102-1 | Average Climate

	Low temperature	Medium temperature
Sound power level indoor	47 dB(A)	47 dB(A)
Sound power level outdoor	64 dB(A)	64 dB(A)

EN 14825 | Average Climate

	Low temperature	Medium temperature
ηs	179 %	129 %
Prated	9 kW	9 kW
SCOP	4.55	3.3
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	7.76 kW	7.65 kW
COP Tj = -7°C	3.15	2.29
Cdh Tj = -7 °C	0.99	0.99
Pdh Tj = +2°C	4.9 kW	4.66 kW
COP Tj = +2°C	4.59	3.24
Cdh Tj = +2 °C	0.98	0.98
Pdh Tj = +7°C	3.04 kW	3.08 kW
COP Tj = +7°C	5.49	4.05
Cdh Tj = +7 °C	0.96	0.97
Pdh Tj = 12°C	3.28 kW	3.21 kW
COP Tj = 12°C	6.83	5.24
Cdh Tj = +12 °C	0.95	0.96
Pdh Tj = Tbiv	7.76 kW	7.65 kW
COP Tj = Tbiv	3.15	2.29
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	7.14 kW	7.01 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.76	2.07
WTOL	65 °C	65 °C
Poff	25 W	25 W
PTO	25 W	25 W
PSB	25 W	25 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity

Supplementary Heater: PSUP	1.86 kW	1.99 kW
Annual energy consumption Qhe	3962 kWh	5380 kWh

EN 14825 | Colder Climate

	Low temperature	Medium temperature
ηs	149 %	111 %
Prated	8 kW	8 kW
SCOP	3.8	2.85
Tbiv	-15 °C	-15 °C
TOL	-22 °C	-22 °C
Pdh Tj = -7°C	5.22 kW	5.25 kW
COP Tj = -7°C	3.62	2.39
Cdh Tj = -7 °C	0.98	0.99
Pdh Tj = +2°C	3.27 kW	3.19 kW
COP Tj = +2°C	4.29	3.39
Cdh Tj = +2 °C	0.97	0.97
Pdh Tj = +7°C	2.53 kW	2.43 kW
COP Tj = +7°C	5.29	4.93
Cdh Tj = +7 °C	0.95	0.95
Pdh Tj = 12°C	3.33 kW	3.26 kW
COP Tj = 12°C	6.84	5.61
Cdh Tj = +12 °C	0.95	0.96
Pdh Tj = Tbiv	6.46 kW	6.44 kW
COP Tj = Tbiv	2.68	1.65
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	3.15 kW	5.19 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	1.43	1.23
WTOL	65 °C	65 °C
Poff	25 W	25 W
PTO	25 W	25 W
PSB	25 W	25 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	4.85 kW	2.81 kW
Annual energy consumption Qhe	5115 kWh	6820 kWh
Pdh Tj = -15°C (if TOL	6.46	6.44
COP Tj = -15°C (if TOL	2.68	1.65

EN 14825 | Warmer Climate

	Low temperature	Medium temperature
ηs	230 %	160 %
Prated	10.00 kW	10.00 kW
SCOP	5.83	4.08
Tbiv	2 °C	2 °C

TOL	2 °C	2 °C
Pdh Tj = +2°C	9.55 kW	9.51 kW
COP Tj = +2°C	3.38	2.47
Cdh Tj = +2 °C	0.990	0.990
Pdh Tj = +7°C	5.83 kW	5.84 kW
COP Tj = +7°C	5.07	3.56
Cdh Tj = +7 °C	0.980	0.990
Pdh Tj = 12°C	2.78 kW	2.78 kW
COP Tj = 12°C	7.32	5.02
Cdh Tj = +12 °C	0.930	0.960
Pdh Tj = Tbiv	9.55 kW	9.51 kW
COP Tj = Tbiv	3.38	2.47
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	9.55 kW	9.51 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.38	2.47
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh		
WTOL	65 °C	65 °C
Poff	25 W	25 W
PTO	25 W	25 W
PSB	25 W	25 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	2182 kWh	3109 kWh