Login

Summary of	Aquarea Monobloc 9-12 kW T-CAP (H Series)	Reg. No.	011-1W0206
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 (H Series)		
Heat Pump Type	Outdoor Air/Water		
Refrigerant	R410A		
Mass of Refrigerant	2.3 kg		
Certification Date	08.01.2020		
Testing basis	HP KEYMARK certification scheme rules V8		

Model: WH-MXC09H3E5

Configure model	
Model name	WH-MXC09H3E5
Application	Heating (medium temp)
Units	Outdoor
Climate Zone	Colder Climate + Warmer Climate
Reversibility	Yes
Cooling mode application (optional)	n/a

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	1.86 kW	3.06 kW
COP	4.84	2.94

Average Climate

EN 14825

	Low temperature	Medium temperature
η_s	181 %	130 %
Prated	9.00 kW	9.00 kW
SCOP	4.59	3.32
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	8.50 kW	7.70 kW
COP Tj = -7°C	2.75	2.11
Cdh Tj = -7 °C	1.000	1.000
Pdh Tj = +2°C	4.70 kW	4.80 kW
COP Tj = +2°C	4.57	3.24
Cdh Tj = +2 °C	0.990	0.990
Pdh Tj = +7°C	5.00 kW	4.60 kW
COP Tj = +7°C	5.89	4.17
Cdh Tj = +7 °C	0.990	0.990
Pdh Tj = 12°C	6.10 kW	5.50 kW
COP Tj = 12°C	7.67	5.74
Cdh Tj = +12 °C	0.980	0.990
Pdh Tj = Tbiv	9.00 kW	8.70 kW
COP Tj = Tbiv	2.71	2.00

Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	9.00 kW	8.70 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.71	2.00
WTOL	55 °C	55 °C
Poff	3 W	3 W
PTO	12 W	12 W
PSB	12 W	12 W
PCK	33 W	33 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.30 kW
Annual energy consumption Qhe	4049 kWh	5596 kWh

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

Warmer Climate

EN 14825		
	Low temperature	**Medium temperature**
η_s	235 %	158 %
Prated	9.00 kW	9.00 kW

SCOP	5.95	4.02
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	8.90 kW	9.00 kW
COP Tj = +2°C	3.49	2.39
Cdh Tj = +2 °C	1.000	1.000
Pdh Tj = +7°C	5.70 kW	5.70 kW
COP Tj = +7°C	5.49	3.33
Cdh Tj = +7 °C	0.990	0.990
Pdh Tj = 12°C	6.00 kW	5.30 kW
COP Tj = 12°C	7.29	5.35
Cdh Tj = +12 °C	0.990	0.990
Pdh Tj = Tbiv	8.90 kW	9.00 kW
COP Tj = Tbiv	3.49	2.39
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	8.90 kW	9.00 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.49	2.39
WTOL	55 °C	55 °C
Poff	3 W	3 W
PTO	12 W	12 W
PSB	12 W	12 W
PCK	33 W	33 W

Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.10 kW	0.00 kW
Annual energy consumption Qhe	2020 kWh	2991 kWh

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

Colder Climate

EN 14825		
	Low temperature	**Medium temperature**
η_s	160 %	125 %
Prated	11.00 kW	11.00 kW
SCOP	4.08	3.20
Tbiv	-15 °C	-15 °C
TOL	-22 °C	-22 °C
Pdh Tj = -7°C	6.70 kW	6.50 kW
COP Tj = -7°C	3.28	2.56
Cdh Tj = -7 °C	0.990	1.000
Pdh Tj = +2°C	4.30 kW	4.00 kW

COP Tj = +2°C	4.99	3.91
Cdh Tj = +2 °C	0.990	0.990
Pdh Tj = +7°C	5.00 kW	4.80 kW
COP Tj = +7°C	6.29	4.99
Cdh Tj = +7 °C	0.980	0.990
Pdh Tj = 12°C	5.80 kW	5.70 kW
COP Tj = 12°C	7.45	6.32
Cdh Tj = +12 °C	0.980	0.990
Pdh Tj = Tbiv	9.20 kW	8.90 kW
COP Tj = Tbiv	2.48	1.93
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	9.80 kW	8.90 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	1.85	1.52
WTOL	55 °C	55 °C
Poff	3 W	3 W
PTO	12 W	12 W
PSB	12 W	12 W
PCK	33 W	33 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.20 kW	2.10 kW
Annual energy consumption Qhe	6651 kWh	8468 kWh
Pdh Tj = -15°C (if TOL<-20°C)	9.20	8.90

COP Tj = -15°C (if TOL<-20°C)	2.48	1.93
Cdh Tj = -15 °C	1.000	1.000

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

Cooling

EN 14511-2		
	+7°C/+12°C	**+18°C/+23°C**
El input	kW	kW
Cooling capacity		
EER		

Model: WH-MXC12H9E8

Configure model	
Model name	WH-MXC12H9E8
Application	Heating (medium temp)
Units	Outdoor
Climate Zone	Colder Climate + Warmer Climate
Reversibility	Yes
Cooling mode application (optional)	n/a

General Data	
Power supply	3x400V 50Hz

Average Climate

EN 14825		
	Low temperature	**Medium temperature**
η_s	170 %	130 %
Prated	12.00 kW	12.00 kW
SCOP	4.32	3.32
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	10.70 kW	10.80 kW
COP Tj = -7°C	2.84	2.03
Cdh Tj = -7 °C	1.000	1.000
Pdh Tj = +2°C	6.70 kW	6.10 kW
COP Tj = +2°C	3.96	3.19
Cdh Tj = +2 °C	0.990	0.990

Pdh Tj = +7°C	5.10 kW	4.70 kW
COP Tj = +7°C	5.93	4.38
Cdh Tj = +7 °C	0.990	0.990
Pdh Tj = 12°C	6.00 kW	5.70 kW
COP Tj = 12°C	7.88	5.89
Cdh Tj = +12 °C	0.980	0.990
Pdh Tj = Tbiv	12.00 kW	11.70 kW
COP Tj = Tbiv	2.56	1.95
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	12.00 kW	11.70 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.56	1.95
WTOL	55 °C	55 °C
Poff	3 W	3 W
PTO	12 W	12 W
PSB	12 W	12 W
PCK	33 W	33 W
Supplementary Heater: Type of energy input	n/a	
Supplementary Heater: PSUP	0.00 kW	0.30 kW
Annual energy consumption Qhe	5745 kWh	7466 kWh

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

Warmer Climate

EN 14825		
	Low temperature	**Medium temperature**
η_s	231 %	158 %
Prated	12.00 kW	12.00 kW
SCOP	5.86	4.02
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	11.90 kW	11.70 kW
COP Tj = +2°C	3.18	2.15
Cdh Tj = +2 °C	1.000	1.000
Pdh Tj = +7°C	7.60 kW	7.80 kW
COP Tj = +7°C	5.25	3.33
Cdh Tj = +7 °C	0.990	0.990
Pdh Tj = 12°C	5.90 kW	5.70 kW
COP Tj = 12°C	7.33	5.39

Cdh Tj = +12 °C	0.990	0.990
Pdh Tj = Tbiv	11.90 kW	11.70 kW
COP Tj = Tbiv	3.18	2.15
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	11.90 kW	11.70 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.18	2.15
WTOL	55 °C	55 °C
Poff	3 W	3 W
PTO	12 W	12 W
PSB	12 W	12 W
PCK	33 W	33 W
Supplementary Heater: Type of energy input	n/a	
Supplementary Heater: PSUP	0.10 kW	0.30 kW
Annual energy consumption Qhe	2738 kWh	3990 kWh

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

Colder Climate

EN 14825

	Low temperature	**Medium temperature**
η_s	160 %	125 %
Prated	14.00 kW	13.00 kW
SCOP	4.08	3.20
Tbiv	-15 °C	-15 °C
TOL	-22 °C	-22 °C
Pdh Tj = -7°C	8.40 kW	7.90 kW
COP Tj = -7°C	3.20	2.54
Cdh Tj = -7 °C	1.000	1.000
Pdh Tj = +2°C	5.00 kW	4.10 kW
COP Tj = +2°C	5.09	3.97
Cdh Tj = +2 °C	0.990	0.990
Pdh Tj = +7°C	5.10 kW	4.80 kW
COP Tj = +7°C	6.61	4.89
Cdh Tj = +7 °C	0.980	0.990
Pdh Tj = 12°C	5.90 kW	5.60 kW
COP Tj = 12°C	7.99	6.00
Cdh Tj = +12 °C	0.980	0.990
Pdh Tj = Tbiv	11.20 kW	10.40 kW
COP Tj = Tbiv	2.48	1.94
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	10.90 kW	8.90 kW

COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	1.92	1.50
WTOL	55 °C	55 °C
Poff	3 W	3 W
PTO	12 W	12 W
PSB	12 W	12 W
PCK	33 W	33 W
Supplementary Heater: Type of energy input	n/a	
Supplementary Heater: PSUP	3.10 kW	4.10 kW
Annual energy consumption Qhe	8460 kWh	10012 kWh
Pdh Tj = -15°C (if TOL<-20°C)	11.20	10.40
COP Tj = -15°C (if TOL<-20°C)	2.48	1.94
Cdh Tj = -15 °C	1.000	1.000

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

Heating

EN 14511-2		
	Low temperature	**Medium temperature**
Heat output	12.00 kW	12.00 kW
El input	2.53 kW	4.16 kW
COP	4.74	2.88

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

Cooling

EN 14511-2		
	+7°C/+12°C	**+18°C/+23°C**
El input	3.56 kW	1.95 kW
Cooling capacity	10.00	10.00
EER	2.81	5.13

Model: WH-MXC09H3E8

Configure model	
Model name	WH-MXC09H3E8
Application	Heating (medium temp)
Units	Outdoor
Climate Zone	Colder Climate + Warmer Climate
Reversibility	Yes
Cooling mode application (optional)	n/a

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	1.86 kW	3.06 kW
COP	4.84	2.94

Average Climate

EN 14825

	Low temperature	Medium temperature
η_s	181 %	130 %
Prated	9.00 kW	9.00 kW
SCOP	4.59	3.32
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	8.50 kW	7.70 kW
COP Tj = -7°C	2.75	2.11
Cdh Tj = -7 °C	1.000	1.000
Pdh Tj = +2°C	4.70 kW	4.80 kW
COP Tj = +2°C	4.57	3.24
Cdh Tj = +2 °C	0.990	0.990
Pdh Tj = +7°C	5.00 kW	4.60 kW
COP Tj = +7°C	5.89	4.17
Cdh Tj = +7 °C	0.990	0.990
Pdh Tj = 12°C	6.10 kW	5.50 kW
COP Tj = 12°C	7.67	5.74
Cdh Tj = +12 °C	0.980	0.990
Pdh Tj = Tbiv	9.00 kW	8.70 kW
COP Tj = Tbiv	2.71	2.00

Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	9.00 kW	8.70 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.71	2.00
WTOL	55 °C	55 °C
Poff	3 W	3 W
PTO	12 W	12 W
PSB	12 W	12 W
PCK	33 W	33 W
Supplementary Heater: Type of energy input	n/a	
Supplementary Heater: PSUP	0.00 kW	0.30 kW
Annual energy consumption Qhe	4049 kWh	5596 kWh

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

Warmer Climate

EN 14825		
	Low temperature	**Medium temperature**
η_s	235 %	158 %
Prated	9.00 kW	9.00 kW

SCOP	5.95	4.02
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	8.90 kW	9.00 kW
COP Tj = +2°C	3.49	2.39
Cdh Tj = +2 °C	1.000	1.000
Pdh Tj = +7°C	5.70 kW	5.70 kW
COP Tj = +7°C	5.49	3.33
Cdh Tj = +7 °C	0.990	0.990
Pdh Tj = 12°C	6.00 kW	5.30 kW
COP Tj = 12°C	7.29	5.35
Cdh Tj = +12 °C	0.990	0.990
Pdh Tj = Tbiv	8.90 kW	9.00 kW
COP Tj = Tbiv	3.49	2.39
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	8.90 kW	9.00 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.49	2.39
WTOL	55 °C	55 °C
Poff	3 W	3 W
PTO	12 W	12 W
PSB	12 W	12 W
PCK	33 W	33 W

Supplementary Heater: Type of energy input	n/a	
Supplementary Heater: PSUP	0.10 kW	0.00 kW
Annual energy consumption Qhe	2020 kWh	2991 kWh

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

Colder Climate

EN 14825		
	Low temperature	**Medium temperature**
η_s	160 %	125 %
Prated	11.00 kW	11.00 kW
SCOP	4.08	3.20
Tbiv	-15 °C	-15 °C
TOL	-22 °C	-22 °C
Pdh Tj = -7°C	6.70 kW	6.50 kW
COP Tj = -7°C	3.28	2.56
Cdh Tj = -7 °C	0.990	1.000
Pdh Tj = +2°C	4.30 kW	4.00 kW

COP Tj = +2°C	4.99	3.91
Cdh Tj = +2 °C	0.990	0.990
Pdh Tj = +7°C	5.00 kW	4.80 kW
COP Tj = +7°C	6.29	4.99
Cdh Tj = +7 °C	0.980	0.990
Pdh Tj = 12°C	5.80 kW	5.70 kW
COP Tj = 12°C	7.45	6.32
Cdh Tj = +12 °C	0.980	0.990
Pdh Tj = Tbiv	9.20 kW	8.90 kW
COP Tj = Tbiv	2.48	1.93
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	9.80 kW	8.90 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	1.85	1.52
WTOL	55 °C	55 °C
Poff	3 W	3 W
PTO	12 W	12 W
PSB	12 W	12 W
PCK	33 W	33 W
Supplementary Heater: Type of energy input	n/a	
Supplementary Heater: PSUP	1.20 kW	2.10 kW
Annual energy consumption Qhe	6651 kWh	8468 kWh
Pdh Tj = -15°C (if TOL<-20°C)	9.20	8.90

COP Tj = -15°C (if TOL<-20°C)	2.48	1.93
Cdh Tj = -15 °C	1.000	1.000

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

Cooling

EN 14511-2		
	+7°C/+12°C	**+18°C/+23°C**
El input	kW	kW
Cooling capacity		
EER		

Model: WH-MXC12H6E5

Configure model	
Model name	WH-MXC12H6E5
Application	Heating (medium temp)
Units	Outdoor
Climate Zone	Colder Climate + Warmer Climate
Reversibility	Yes
Cooling mode application (optional)	n/a

General Data	
Power supply	1x230V 50Hz

Average Climate

EN 14825		
	Low temperature	**Medium temperature**
η_s	170 %	130 %
Prated	12.00 kW	12.00 kW
SCOP	4.32	3.32
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	10.70 kW	10.80 kW
COP Tj = -7°C	2.84	2.03
Cdh Tj = -7 °C	1.000	1.000
Pdh Tj = +2°C	6.70 kW	6.10 kW
COP Tj = +2°C	3.96	3.19
Cdh Tj = +2 °C	0.990	0.990

Pdh Tj = +7°C	5.10 kW	4.70 kW
COP Tj = +7°C	5.93	4.38
Cdh Tj = +7 °C	0.990	0.990
Pdh Tj = 12°C	6.00 kW	5.70 kW
COP Tj = 12°C	7.88	5.89
Cdh Tj = +12 °C	0.980	0.990
Pdh Tj = Tbiv	12.00 kW	11.70 kW
COP Tj = Tbiv	2.56	1.95
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	12.00 kW	11.70 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.56	1.95
WTOL	55 °C	55 °C
Poff	3 W	3 W
PTO	12 W	12 W
PSB	12 W	12 W
PCK	33 W	33 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.30 kW
Annual energy consumption Qhe	5745 kWh	7466 kWh

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

Warmer Climate

EN 14825		
	Low temperature	**Medium temperature**
η_s	231 %	158 %
Prated	12.00 kW	12.00 kW
SCOP	5.86	4.02
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	11.90 kW	11.70 kW
COP Tj = +2°C	3.18	2.15
Cdh Tj = +2 °C	1.000	1.000
Pdh Tj = +7°C	7.60 kW	7.80 kW
COP Tj = +7°C	5.25	3.33
Cdh Tj = +7 °C	0.990	0.990
Pdh Tj = 12°C	5.90 kW	5.70 kW
COP Tj = 12°C	7.33	5.39

Cdh Tj = +12 °C	0.990	0.990
Pdh Tj = Tbiv	11.90 kW	11.70 kW
COP Tj = Tbiv	3.18	2.15
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	11.90 kW	11.70 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.18	2.15
WTOL	55 °C	55 °C
Poff	3 W	3 W
PTO	12 W	12 W
PSB	12 W	12 W
PCK	33 W	33 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.10 kW	0.30 kW
Annual energy consumption Qhe	2738 kWh	3990 kWh

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

Colder Climate

EN 14825

	Low temperature	**Medium temperature**
η_s	160 %	125 %
Prated	14.00 kW	13.00 kW
SCOP	4.08	3.20
Tbiv	-15 °C	-15 °C
TOL	-22 °C	-22 °C
Pdh Tj = -7°C	8.40 kW	7.90 kW
COP Tj = -7°C	3.20	2.54
Cdh Tj = -7 °C	1.000	1.000
Pdh Tj = +2°C	5.00 kW	4.10 kW
COP Tj = +2°C	5.09	3.97
Cdh Tj = +2 °C	0.990	0.990
Pdh Tj = +7°C	5.10 kW	4.80 kW
COP Tj = +7°C	6.61	4.89
Cdh Tj = +7 °C	0.980	0.990
Pdh Tj = 12°C	5.90 kW	5.60 kW
COP Tj = 12°C	7.99	6.00
Cdh Tj = +12 °C	0.980	0.990
Pdh Tj = Tbiv	11.20 kW	10.40 kW
COP Tj = Tbiv	2.48	1.94
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	10.90 kW	8.90 kW

COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	1.92	1.50
WTOL	55 °C	55 °C
Poff	3 W	3 W
PTO	12 W	12 W
PSB	12 W	12 W
PCK	33 W	33 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	3.10 kW	4.10 kW
Annual energy consumption Qhe	8460 kWh	10012 kWh
Pdh Tj = -15°C (if TOL<-20°C)	11.20	10.40
COP Tj = -15°C (if TOL<-20°C)	2.48	1.94
Cdh Tj = -15 °C	1.000	1.000

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

Heating

EN 14511-2		
	Low temperature	**Medium temperature**
Heat output	12.00 kW	12.00 kW
El input	2.53 kW	4.16 kW
COP	4.74	2.88

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

Cooling

EN 14511-2		
	+7°C/+12°C	**+18°C/+23°C**
El input	3.56 kW	1.95 kW
Cooling capacity	10.00	10.00
EER	2.81	5.13