Subtype Samsung EHS R290 8kW(WMH/TIH 200L)

Certificate Holder	Samsung Electronics Air Conditioner Europe B.V.
Address	Evert van de Beekstraat 310
ZIP	1118 CX
City	Schiphol
Country	NL
Certification Body	DIN CERTCO Gesellschaft für Konformitätsbewertung mbH
Subtype title	Samsung EHS R290 8kW(WMH/TIH 200L)
Registration number	011-1W0808
Heat Pump Type	Outdoor Air/Water
Refrigerant	R290
Mass of Refrigerant	0.87 kg
Certification Date	25.06.2024
Testing basis	European KEYMARK Scheme for Heat Pumps rev.14 (as of 2024-04)

Model AE080CXYDEK/EU AE200DNXMPK/EU

Model name	AE080CXYDEK/EU AE200DNXMPK/EU
Application	Heating + DHW + low temp
Units	Indoor, Outdoor
Climate zone (for heating)	Warmer, Warmer 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	148 %
COP	3.40
Heating up time	1:26 h:min
Standby power input	45.0 W
Reference hot water temperature	49.0 °C
Mixed water at 40°C	220 l

EN 16147 | Warmer Climate

Declared load profile	L
Efficiency ηDHW	162 %
COP	3.80
Heating up time	1:12 h:min
Standby power input	40.0 W
Reference hot water temperature	49.0 °C
Mixed water at 40°C	220 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	8.00 kW	8.00 kW
El input	1.63 kW	2.67 kW
COP	4.91	3.00

EN 12102-1 | Average Climate

	Low temperature	Medium temperature
Sound power level indoor	42 dB(A)	42 dB(A)
Sound power level outdoor	59 dB(A)	59 dB(A)

EN 14825 | Average Climate

	Low temperature	Medium temperature
ηs	191 %	139 %
Prated	8.00 kW	8.00 kW
SCOP	4.85	3.55
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	7.08 kW	7.08 kW
COP Tj = -7°C	2.70	2.02
Cdh Tj = -7 °C	0.900	0.900
Pdh Tj = +2°C	4.31 kW	4.31 kW
COP Tj = +2°C	4.70	3.44
Cdh Tj = +2 °C	0.900	0.900
Pdh Tj = +7°C	2.80 kW	2.80 kW
COP Tj = +7°C	7.00	5.05
Cdh Tj = +7 °C	0.900	0.900
Pdh Tj = 12°C	2.40 kW	2.40 kW
COP Tj = 12°C	9.00	6.00
Cdh Tj = +12 °C	0.900	0.900
Pdh Tj = Tbiv	7.08 kW	7.08 kW
COP Tj = Tbiv	2.70	2.02
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	7.40 kW	7.30 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.40	1.90
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.900	0.900
WTOL	75 °C	75 °C
Poff	22 W	22 W
PTO	22 W	22 W
PSB	22 W	22 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.60 kW	0.70 kW
Annual energy consumption Qhe	3398 kWh	4646 kWh

EN 12102-1 | Warmer Climate

	Low temperature	Medium temperature
Sound power level indoor	42 dB(A)	42 dB(A)
Sound power level outdoor	59 dB(A)	59 dB(A)

EN 14825 | Warmer Climate

	Low temperature	Medium temperature
ηs	265 %	191 %
Prated	8.50 kW	8.50 kW
SCOP	6.70	4.85
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	8.50 kW	8.50 kW
COP Tj = +2°C	3.50	2.20
Cdh Tj = +2 °C	0.900	0.900
Pdh Tj = +7°C	5.46 kW	5.46 kW
COP Tj = +7°C	6.00	4.10
Cdh Tj = +7 °C	0.900	0.900
Pdh Tj = 12°C	2.43 kW	2.43 kW
COP Tj = 12°C	8.30	6.50
Cdh Tj = +12 °C	0.900	0.900
Pdh Tj = Tbiv	8.50 kW	8.50 kW
COP Tj = Tbiv	3.50	2.20
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	8.50 kW	8.50 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.50	2.20
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.900	0.900
WTOL	75 °C	75 °C
Poff	22 W	22 W
PTO	22 W	22 W
PSB	22 W	22 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	1680 kWh	2326 kWh

Model AE080CXYDEK/EU AE200DNWMPK/EU

Model name	AE080CXYDEK/EU AE200DNWMPK/EU
Application	Heating + DHW + low temp
Units	Indoor, Outdoor
Climate zone (for heating)	Warmer, Warmer 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	148 %
COP	3.40
Heating up time	1:26 h:min
Standby power input	45.0 W
Reference hot water temperature	49.0 °C
Mixed water at 40°C	220 l

EN 16147 | Warmer Climate

Declared load profile	L
Efficiency ηDHW	162 %
COP	3.80
Heating up time	1:12 h:min
Standby power input	40.0 W
Reference hot water temperature	49.0 °C
Mixed water at 40°C	220 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	8.00 kW	8.00 kW
El input	1.63 kW	2.67 kW
COP	4.91	3.00

EN 12102-1 | Average Climate

	Low temperature	Medium temperature
Sound power level indoor	40 dB(A)	40 dB(A)
Sound power level outdoor	59 dB(A)	59 dB(A)

EN 14825 | Average Climate

	Low temperature	Medium temperature
ηs	191 %	139 %
Prated	8.00 kW	8.00 kW
SCOP	4.85	3.55
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	7.08 kW	7.08 kW
COP Tj = -7°C	2.70	2.02
Cdh Tj = -7 °C	0.900	0.900
Pdh Tj = +2°C	4.31 kW	4.31 kW
COP Tj = +2°C	4.70	3.44
Cdh Tj = +2 °C	0.900	0.900
Pdh Tj = +7°C	2.80 kW	2.80 kW
COP Tj = +7°C	7.00	5.05
Cdh Tj = +7 °C	0.900	0.900
Pdh Tj = 12°C	2.40 kW	2.40 kW
COP Tj = 12°C	9.00	6.00
Cdh Tj = +12 °C	0.900	0.900
Pdh Tj = Tbiv	7.08 kW	7.08 kW
COP Tj = Tbiv	2.70	2.02
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	7.40 kW	7.30 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.40	1.90
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.900	0.900
WTOL	75 °C	75 °C
Poff	22 W	22 W
PTO	22 W	22 W
PSB	22 W	22 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.60 kW	0.70 kW
Annual energy consumption Qhe	3398 kWh	4646 kWh

EN 12102-1 | Warmer Climate

	Low temperature	Medium temperature
Sound power level indoor	40 dB(A)	40 dB(A)
Sound power level outdoor	59 dB(A)	59 dB(A)

EN 14825 | Warmer Climate

	Low temperature	Medium temperature
ηs	265 %	191 %
Prated	8.50 kW	8.50 kW
SCOP	6.70	4.85
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	8.50 kW	8.50 kW
COP Tj = +2°C	3.50	2.20
Cdh Tj = +2 °C	0.900	0.900
Pdh Tj = +7°C	5.46 kW	5.46 kW
COP Tj = +7°C	6.00	4.10
Cdh Tj = +7 °C	0.900	0.900
Pdh Tj = 12°C	2.43 kW	2.43 kW
COP Tj = 12°C	8.30	6.50
Cdh Tj = +12 °C	0.900	0.900
Pdh Tj = Tbiv	8.50 kW	8.50 kW
COP Tj = Tbiv	3.50	2.20
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	8.50 kW	8.50 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.50	2.20
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.900	0.900
WTOL	75 °C	75 °C
Poff	22 W	22 W
PTO	22 W	22 W
PSB	22 W	22 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	1680 kWh	2326 kWh

Model AE080CXYDEK/EU AE160DNZMPK/EU	
Model name	AE080CXYDEK/EU AE160DNZMPK/EU
Application	Heating (medium temp)
Units	Indoor, Outdoor
Climate zone (for heating)	Warmer, Warmer 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 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	8.00 kW	8.00 kW
El input	1.63 kW	2.67 kW
COP	4.91	3.00

EN 12102-1 | Average Climate		
	Low temperature	Medium temperature
Sound power level indoor	42 dB(A)	42 dB(A)
Sound power level outdoor	59 dB(A)	59 dB(A)

EN 14825 | Average Climate		
	Low temperature	Medium temperature
ηs	191 %	139 %
Prated	8.00 kW	8.00 kW
SCOP	4.85	3.55
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	7.08 kW	7.08 kW
COP Tj = -7°C	2.70	2.02
Cdh Tj = -7 °C	0.900	0.900
Pdh Tj = +2°C	4.31 kW	4.31 kW
COP Tj = +2°C	4.70	3.44
Cdh Tj = +2 °C	0.900	0.900

Pdh Tj = +7°C	2.80 kW	2.80 kW
COP Tj = +7°C	7.00	5.05
Cdh Tj = +7 °C	0.900	0.900
Pdh Tj = 12°C	2.40 kW	2.40 kW
COP Tj = 12°C	9.00	6.00
Cdh Tj = +12 °C	0.900	0.900
Pdh Tj = Tbiv	7.08 kW	7.08 kW
COP Tj = Tbiv	2.70	2.02
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	7.40 kW	7.30 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.40	1.90
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.900	0.900
WTOL	75 °C	75 °C
Poff	22 W	22 W
PTO	22 W	22 W
PSB	22 W	22 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.60 kW	0.70 kW
Annual energy consumption Qhe	3398 kWh	4646 kWh

EN 12102-1 | Warmer Climate

	Low temperature	Medium temperature
Sound power level indoor	42 dB(A)	42 dB(A)
Sound power level outdoor	59 dB(A)	59 dB(A)

EN 14825 | Warmer Climate

	Low temperature	Medium temperature
ηs	265 %	191 %
Prated	8.50 kW	8.50 kW
SCOP	6.70	4.85
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	8.50 kW	8.50 kW
COP Tj = +2°C	3.50	2.20
Cdh Tj = +2 °C	0.900	0.900
Pdh Tj = +7°C	5.46 kW	5.46 kW
COP Tj = +7°C	6.00	4.10
Cdh Tj = +7 °C	0.900	0.900
Pdh Tj = 12°C	2.43 kW	2.43 kW
COP Tj = 12°C	8.30	6.50
Cdh Tj = +12 °C	0.900	0.900
Pdh Tj = Tbiv	8.50 kW	8.50 kW
COP Tj = Tbiv	3.50	2.20

Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	8.50 kW	8.50 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.50	2.20
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.900	0.900
WTOL	75 °C	75 °C
Poff	22 W	22 W
PTO	22 W	22 W
PSB	22 W	22 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	1680 kWh	2326 kWh

Model AE080CXYDEK/EU AE160DNYMPK/EU	
Model name	AE080CXYDEK/EU AE160DNYMPK/EU
Application	Heating (medium temp)
Units	Indoor, Outdoor
Climate zone (for heating)	Warmer, Warmer 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 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	8.00 kW	8.00 kW
El input	1.63 kW	2.67 kW
COP	4.91	3.00

EN 12102-1 | Average Climate		
	Low temperature	Medium temperature
Sound power level indoor	40 dB(A)	40 dB(A)
Sound power level outdoor	59 dB(A)	59 dB(A)

EN 14825 | Average Climate		
	Low temperature	Medium temperature
ηs	191 %	139 %
Prated	8.00 kW	8.00 kW
SCOP	4.85	3.55
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	7.08 kW	7.08 kW
COP Tj = -7°C	2.70	2.02
Cdh Tj = -7 °C	0.900	0.900
Pdh Tj = +2°C	4.31 kW	4.31 kW
COP Tj = +2°C	4.70	3.44
Cdh Tj = +2 °C	0.900	0.900

Pdh Tj = +7°C	2.80 kW	2.80 kW
COP Tj = +7°C	7.00	5.05
Cdh Tj = +7 °C	0.900	0.900
Pdh Tj = 12°C	2.40 kW	2.40 kW
COP Tj = 12°C	9.00	6.00
Cdh Tj = +12 °C	0.900	0.900
Pdh Tj = Tbiv	7.08 kW	7.08 kW
COP Tj = Tbiv	2.70	2.02
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	7.40 kW	7.30 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.40	1.90
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.900	0.900
WTOL	75 °C	75 °C
Poff	22 W	22 W
PTO	22 W	22 W
PSB	22 W	22 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.60 kW	0.70 kW
Annual energy consumption Qhe	3398 kWh	4646 kWh

EN 12102-1 | Warmer Climate

	Low temperature	Medium temperature
Sound power level indoor	40 dB(A)	40 dB(A)
Sound power level outdoor	59 dB(A)	59 dB(A)

EN 14825 | Warmer Climate

	Low temperature	Medium temperature
ηs	265 %	191 %
Prated	8.50 kW	8.50 kW
SCOP	6.70	4.85
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	8.50 kW	8.50 kW
COP Tj = +2°C	3.50	2.20
Cdh Tj = +2 °C	0.900	0.900
Pdh Tj = +7°C	5.46 kW	5.46 kW
COP Tj = +7°C	6.00	4.10
Cdh Tj = +7 °C	0.900	0.900
Pdh Tj = 12°C	2.43 kW	2.43 kW
COP Tj = 12°C	8.30	6.50
Cdh Tj = +12 °C	0.900	0.900
Pdh Tj = Tbiv	8.50 kW	8.50 kW
COP Tj = Tbiv	3.50	2.20

Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	8.50 kW	8.50 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.50	2.20
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.900	0.900
WTOL	75 °C	75 °C
Poff	22 W	22 W
PTO	22 W	22 W
PSB	22 W	22 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	1680 kWh	2326 kWh

Model AE080CXYDGK/EU AE200DNXMPK/EU

Model name	AE080CXYDGK/EU AE200DNXMPK/EU
Application	Heating + DHW + low temp
Units	Indoor, Outdoor
Climate zone (for heating)	Warmer, Warmer 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	148 %
COP	3.40
Heating up time	1:26 h:min
Standby power input	45.0 W
Reference hot water temperature	49.0 °C
Mixed water at 40°C	220 l

EN 16147 | Warmer Climate

Declared load profile	L
Efficiency ηDHW	162 %
COP	3.80
Heating up time	1:12 h:min
Standby power input	40.0 W
Reference hot water temperature	49.0 °C
Mixed water at 40°C	220 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	8.00 kW	8.00 kW
El input	1.63 kW	2.67 kW
COP	4.91	3.00

EN 12102-1 | Average Climate

	Low temperature	Medium temperature
Sound power level indoor	42 dB(A)	42 dB(A)
Sound power level outdoor	59 dB(A)	59 dB(A)

EN 14825 | Average Climate

	Low temperature	Medium temperature
ηs	191 %	139 %
Prated	8.00 kW	8.00 kW
SCOP	4.85	3.55
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	7.08 kW	7.08 kW
COP Tj = -7°C	2.70	2.02
Cdh Tj = -7 °C	0.900	0.900
Pdh Tj = +2°C	4.31 kW	4.31 kW
COP Tj = +2°C	4.70	3.44
Cdh Tj = +2 °C	0.900	0.900
Pdh Tj = +7°C	2.80 kW	2.80 kW
COP Tj = +7°C	7.00	5.05
Cdh Tj = +7 °C	0.900	0.900
Pdh Tj = 12°C	2.40 kW	2.40 kW
COP Tj = 12°C	9.00	6.00
Cdh Tj = +12 °C	0.900	0.900
Pdh Tj = Tbiv	7.08 kW	7.08 kW
COP Tj = Tbiv	2.70	2.02
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	7.40 kW	7.30 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.40	1.90
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.900	0.900
WTOL	75 °C	75 °C
Poff	22 W	22 W
PTO	22 W	22 W
PSB	22 W	22 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.60 kW	0.70 kW
Annual energy consumption Qhe	3398 kWh	4646 kWh

EN 12102-1 | Warmer Climate

	Low temperature	Medium temperature
Sound power level indoor	42 dB(A)	42 dB(A)
Sound power level outdoor	59 dB(A)	59 dB(A)

EN 14825 | Warmer Climate

	Low temperature	Medium temperature
ηs	265 %	191 %
Prated	8.50 kW	8.50 kW
SCOP	6.70	4.85
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	8.50 kW	8.50 kW
COP Tj = +2°C	3.50	2.20
Cdh Tj = +2 °C	0.900	0.900
Pdh Tj = +7°C	5.46 kW	5.46 kW
COP Tj = +7°C	6.00	4.10
Cdh Tj = +7 °C	0.900	0.900
Pdh Tj = 12°C	2.43 kW	2.43 kW
COP Tj = 12°C	8.30	6.50
Cdh Tj = +12 °C	0.900	0.900
Pdh Tj = Tbiv	8.50 kW	8.50 kW
COP Tj = Tbiv	3.50	2.20
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	8.50 kW	8.50 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.50	2.20
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.900	0.900
WTOL	75 °C	75 °C
Poff	22 W	22 W
PTO	22 W	22 W
PSB	22 W	22 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	1680 kWh	2326 kWh

Model AE080CXYDGK/EU AE200DNWMPK/EU

Model name	AE080CXYDGK/EU AE200DNWMPK/EU
Application	Heating + DHW + low temp
Units	Indoor, Outdoor
Climate zone (for heating)	Warmer, Warmer 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	148 %
COP	3.40
Heating up time	1:26 h:min
Standby power input	45.0 W
Reference hot water temperature	49.0 °C
Mixed water at 40°C	220 l

EN 16147 | Warmer Climate

Declared load profile	L
Efficiency ηDHW	162 %
COP	3.80
Heating up time	1:12 h:min
Standby power input	40.0 W
Reference hot water temperature	49.0 °C
Mixed water at 40°C	220 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	8.00 kW	8.00 kW
El input	1.63 kW	2.67 kW
COP	4.91	3.00

EN 12102-1 | Average Climate

	Low temperature	Medium temperature
Sound power level indoor	40 dB(A)	40 dB(A)
Sound power level outdoor	59 dB(A)	59 dB(A)

EN 14825 | Average Climate

	Low temperature	Medium temperature
ηs	191 %	139 %
Prated	8.00 kW	8.00 kW
SCOP	4.85	3.55
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	7.08 kW	7.08 kW
COP Tj = -7°C	2.70	2.02
Cdh Tj = -7 °C	0.900	0.900
Pdh Tj = +2°C	4.31 kW	4.31 kW
COP Tj = +2°C	4.70	3.44
Cdh Tj = +2 °C	0.900	0.900
Pdh Tj = +7°C	2.80 kW	2.80 kW
COP Tj = +7°C	7.00	5.05
Cdh Tj = +7 °C	0.900	0.900
Pdh Tj = 12°C	2.40 kW	2.40 kW
COP Tj = 12°C	9.00	6.00
Cdh Tj = +12 °C	0.900	0.900
Pdh Tj = Tbiv	7.08 kW	7.08 kW
COP Tj = Tbiv	2.70	2.02
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	7.40 kW	7.30 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.40	1.90
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.900	0.900
WTOL	75 °C	75 °C
Poff	22 W	22 W
PTO	22 W	22 W
PSB	22 W	22 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.60 kW	0.70 kW
Annual energy consumption Qhe	3398 kWh	4646 kWh

EN 12102-1 | Warmer Climate

	Low temperature	Medium temperature
Sound power level indoor	40 dB(A)	40 dB(A)
Sound power level outdoor	59 dB(A)	59 dB(A)

EN 14825 | Warmer Climate

	Low temperature	Medium temperature
ηs	265 %	191 %
Prated	8.50 kW	8.50 kW
SCOP	6.70	4.85
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	8.50 kW	8.50 kW
COP Tj = +2°C	3.50	2.20
Cdh Tj = +2 °C	0.900	0.900
Pdh Tj = +7°C	5.46 kW	5.46 kW
COP Tj = +7°C	6.00	4.10
Cdh Tj = +7 °C	0.900	0.900
Pdh Tj = 12°C	2.43 kW	2.43 kW
COP Tj = 12°C	8.30	6.50
Cdh Tj = +12 °C	0.900	0.900
Pdh Tj = Tbiv	8.50 kW	8.50 kW
COP Tj = Tbiv	3.50	2.20
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	8.50 kW	8.50 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.50	2.20
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.900	0.900
WTOL	75 °C	75 °C
Poff	22 W	22 W
PTO	22 W	22 W
PSB	22 W	22 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	1680 kWh	2326 kWh

Model AE080CXYDGK/EU AE160DNZMPK/EU	
Model name	AE080CXYDGK/EU AE160DNZMPK/EU
Application	Heating (medium temp)
Units	Indoor, Outdoor
Climate zone (for heating)	Warmer, Warmer 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 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	8.00 kW	8.00 kW
El input	1.63 kW	2.67 kW
COP	4.91	3.00

EN 12102-1 | Average Climate		
	Low temperature	Medium temperature
Sound power level indoor	42 dB(A)	42 dB(A)
Sound power level outdoor	59 dB(A)	59 dB(A)

EN 14825 | Average Climate		
	Low temperature	Medium temperature
ηs	191 %	139 %
Prated	8.00 kW	8.00 kW
SCOP	4.85	3.55
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	7.08 kW	7.08 kW
COP Tj = -7°C	2.70	2.02
Cdh Tj = -7 °C	0.900	0.900
Pdh Tj = +2°C	4.31 kW	4.31 kW
COP Tj = +2°C	4.70	3.44
Cdh Tj = +2 °C	0.900	0.900

Pdh Tj = +7°C	2.80 kW	2.80 kW
COP Tj = +7°C	7.00	5.05
Cdh Tj = +7 °C	0.900	0.900
Pdh Tj = 12°C	2.40 kW	2.40 kW
COP Tj = 12°C	9.00	6.00
Cdh Tj = +12 °C	0.900	0.900
Pdh Tj = Tbiv	7.08 kW	7.08 kW
COP Tj = Tbiv	2.70	2.02
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	7.40 kW	7.30 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.40	1.90
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.900	0.900
WTOL	75 °C	75 °C
Poff	22 W	22 W
PTO	22 W	22 W
PSB	22 W	22 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.60 kW	0.70 kW
Annual energy consumption Qhe	3398 kWh	4646 kWh

EN 12102-1 | Warmer Climate

	Low temperature	Medium temperature
Sound power level indoor	42 dB(A)	42 dB(A)
Sound power level outdoor	59 dB(A)	59 dB(A)

EN 14825 | Warmer Climate

	Low temperature	Medium temperature
ηs	265 %	191 %
Prated	8.50 kW	8.50 kW
SCOP	6.70	4.85
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	8.50 kW	8.50 kW
COP Tj = +2°C	3.50	2.20
Cdh Tj = +2 °C	0.900	0.900
Pdh Tj = +7°C	5.46 kW	5.46 kW
COP Tj = +7°C	6.00	4.10
Cdh Tj = +7 °C	0.900	0.900
Pdh Tj = 12°C	2.43 kW	2.43 kW
COP Tj = 12°C	8.30	6.50
Cdh Tj = +12 °C	0.900	0.900
Pdh Tj = Tbiv	8.50 kW	8.50 kW
COP Tj = Tbiv	3.50	2.20

Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	8.50 kW	8.50 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.50	2.20
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.900	0.900
WTOL	75 °C	75 °C
Poff	22 W	22 W
PTO	22 W	22 W
PSB	22 W	22 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	1680 kWh	2326 kWh

Model AE080CXYDGK/EU AE160DNYMPK/EU	
Model name	AE080CXYDGK/EU AE160DNYMPK/EU
Application	Heating (medium temp)
Units	Indoor, Outdoor
Climate zone (for heating)	Warmer, Warmer 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 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	8.00 kW	8.00 kW
El input	1.63 kW	2.67 kW
COP	4.91	3.00

EN 12102-1 | Average Climate		
	Low temperature	Medium temperature
Sound power level indoor	40 dB(A)	40 dB(A)
Sound power level outdoor	59 dB(A)	59 dB(A)

EN 14825 | Average Climate		
	Low temperature	Medium temperature
ηs	191 %	139 %
Prated	8.00 kW	8.00 kW
SCOP	4.85	3.55
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	7.08 kW	7.08 kW
COP Tj = -7°C	2.70	2.02
Cdh Tj = -7 °C	0.900	0.900
Pdh Tj = +2°C	4.31 kW	4.31 kW
COP Tj = +2°C	4.70	3.44
Cdh Tj = +2 °C	0.900	0.900

Pdh Tj = +7°C	2.80 kW	2.80 kW
COP Tj = +7°C	7.00	5.05
Cdh Tj = +7 °C	0.900	0.900
Pdh Tj = 12°C	2.40 kW	2.40 kW
COP Tj = 12°C	9.00	6.00
Cdh Tj = +12 °C	0.900	0.900
Pdh Tj = Tbiv	7.08 kW	7.08 kW
COP Tj = Tbiv	2.70	2.02
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	7.40 kW	7.30 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.40	1.90
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.900	0.900
WTOL	75 °C	75 °C
Poff	22 W	22 W
PTO	22 W	22 W
PSB	22 W	22 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.60 kW	0.70 kW
Annual energy consumption Qhe	3398 kWh	4646 kWh

EN 12102-1 | Warmer Climate

	Low temperature	Medium temperature
Sound power level indoor	40 dB(A)	40 dB(A)
Sound power level outdoor	59 dB(A)	59 dB(A)

EN 14825 | Warmer Climate

	Low temperature	Medium temperature
ηs	265 %	191 %
Prated	8.50 kW	8.50 kW
SCOP	6.70	4.85
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	8.50 kW	8.50 kW
COP Tj = +2°C	3.50	2.20
Cdh Tj = +2 °C	0.900	0.900
Pdh Tj = +7°C	5.46 kW	5.46 kW
COP Tj = +7°C	6.00	4.10
Cdh Tj = +7 °C	0.900	0.900
Pdh Tj = 12°C	2.43 kW	2.43 kW
COP Tj = 12°C	8.30	6.50
Cdh Tj = +12 °C	0.900	0.900
Pdh Tj = Tbiv	8.50 kW	8.50 kW
COP Tj = Tbiv	3.50	2.20

Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	8.50 kW	8.50 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.50	2.20
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.900	0.900
WTOL	75 °C	75 °C
Poff	22 W	22 W
PTO	22 W	22 W
PSB	22 W	22 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	1680 kWh	2326 kWh

Model AE080CXYDEK/EU MIM-E03FN	
Model name	AE080CXYDEK/EU MIM-E03FN
Application	Heating (medium temp)
Units	Outdoor
Climate zone (for heating)	Warmer, Warmer 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 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	8.00 kW	8.00 kW
El input	1.63 kW	2.67 kW
COP	4.91	3.00

EN 12102-1 | Average Climate		
	Low temperature	Medium temperature
Sound power level outdoor	59 dB(A)	59 dB(A)

EN 14825 | Average Climate		
	Low temperature	Medium temperature
ηs	191 %	139 %
Prated	8.00 kW	8.00 kW
SCOP	4.85	3.55
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	7.08 kW	7.08 kW
COP Tj = -7°C	2.70	2.02
Cdh Tj = -7 °C	0.900	0.900
Pdh Tj = +2°C	4.31 kW	4.31 kW
COP Tj = +2°C	4.70	3.44
Cdh Tj = +2 °C	0.900	0.900
Pdh Tj = +7°C	2.80 kW	2.80 kW

COP Tj = +7°C	7.00	5.05
Cdh Tj = +7 °C	0.900	0.900
Pdh Tj = 12°C	2.40 kW	2.40 kW
COP Tj = 12°C	9.00	6.00
Cdh Tj = +12 °C	0.900	0.900
Pdh Tj = Tbiv	7.08 kW	7.08 kW
COP Tj = Tbiv	2.70	2.02
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	7.40 kW	7.30 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.40	1.90
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.900	0.900
WTOL	75 °C	75 °C
Poff	22 W	22 W
PTO	22 W	22 W
PSB	22 W	22 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.60 kW	0.70 kW
Annual energy consumption Qhe	3398 kWh	4646 kWh

EN 12102-1 | Warmer Climate

	Low temperature	Medium temperature
Sound power level outdoor	59 dB(A)	59 dB(A)

EN 14825 | Warmer Climate

	Low temperature	Medium temperature
ηs	265 %	191 %
Prated	8.50 kW	8.50 kW
SCOP	6.70	4.85
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	8.50 kW	8.50 kW
COP Tj = +2°C	3.50	2.20
Cdh Tj = +2 °C	0.900	0.900
Pdh Tj = +7°C	5.46 kW	5.46 kW
COP Tj = +7°C	6.00	4.10
Cdh Tj = +7 °C	0.900	0.900
Pdh Tj = 12°C	2.43 kW	2.43 kW
COP Tj = 12°C	8.30	6.50
Cdh Tj = +12 °C	0.900	0.900
Pdh Tj = Tbiv	8.50 kW	8.50 kW
COP Tj = Tbiv	3.50	2.20
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	8.50 kW	8.50 kW

COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.50	2.20
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.900	0.900
WTOL	75 °C	75 °C
Poff	22 W	22 W
PTO	22 W	22 W
PSB	22 W	22 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	1680 kWh	2326 kWh

Model AE080CXYDGK/EU MIM-E03FN	
Model name	AE080CXYDGK/EU MIM-E03FN
Application	Heating (medium temp)
Units	Outdoor
Climate zone (for heating)	Warmer, Warmer 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 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	8.00 kW	8.00 kW
El input	1.63 kW	2.67 kW
COP	4.91	3.00

EN 12102-1 | Average Climate		
	Low temperature	Medium temperature
Sound power level outdoor	59 dB(A)	59 dB(A)

EN 14825 | Average Climate		
	Low temperature	Medium temperature
ηs	191 %	139 %
Prated	8.00 kW	8.00 kW
SCOP	4.85	3.55
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	7.08 kW	7.08 kW
COP Tj = -7°C	2.70	2.02
Cdh Tj = -7 °C	0.900	0.900
Pdh Tj = +2°C	4.31 kW	4.31 kW
COP Tj = +2°C	4.70	3.44
Cdh Tj = +2 °C	0.900	0.900
Pdh Tj = +7°C	2.80 kW	2.80 kW

COP Tj = +7°C	7.00	5.05
Cdh Tj = +7 °C	0.900	0.900
Pdh Tj = 12°C	2.40 kW	2.40 kW
COP Tj = 12°C	9.00	6.00
Cdh Tj = +12 °C	0.900	0.900
Pdh Tj = Tbiv	7.08 kW	7.08 kW
COP Tj = Tbiv	2.70	2.02
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	7.40 kW	7.30 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.40	1.90
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.900	0.900
WTOL	75 °C	75 °C
Poff	22 W	22 W
PTO	22 W	22 W
PSB	22 W	22 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.60 kW	0.70 kW
Annual energy consumption Qhe	3398 kWh	4646 kWh

EN 12102-1 | Warmer Climate

	Low temperature	Medium temperature
Sound power level outdoor	59 dB(A)	59 dB(A)

EN 14825 | Warmer Climate

	Low temperature	Medium temperature
ηs	265 %	191 %
Prated	8.50 kW	8.50 kW
SCOP	6.70	4.85
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	8.50 kW	8.50 kW
COP Tj = +2°C	3.50	2.20
Cdh Tj = +2 °C	0.900	0.900
Pdh Tj = +7°C	5.46 kW	5.46 kW
COP Tj = +7°C	6.00	4.10
Cdh Tj = +7 °C	0.900	0.900
Pdh Tj = 12°C	2.43 kW	2.43 kW
COP Tj = 12°C	8.30	6.50
Cdh Tj = +12 °C	0.900	0.900
Pdh Tj = Tbiv	8.50 kW	8.50 kW
COP Tj = Tbiv	3.50	2.20
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	8.50 kW	8.50 kW

COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.50	2.20
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.900	0.900
WTOL	75 °C	75 °C
Poff	22 W	22 W
PTO	22 W	22 W
PSB	22 W	22 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	1680 kWh	2326 kWh

Model AE080CXYDEK/EU MIM-E03GN	
Model name	AE080CXYDEK/EU MIM-E03GN
Application	Heating (medium temp)
Units	Outdoor
Climate zone (for heating)	Warmer 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 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 kW	8 kW
El input	1.63 kW	2.67 kW
COP	4.91	3

EN 12102-1 | Average Climate		
	Low temperature	Medium temperature
Sound power level indoor	- dB(A)	- dB(A)
Sound power level outdoor	59 dB(A)	59 dB(A)

EN 14825 | Average Climate		
	Low temperature	Medium temperature
ηs	191 %	139 %
Prated	8 kW	8 kW
SCOP	4.85	3.55
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	7.08 kW	7.08 kW
COP Tj = -7°C	2.7	2.02
Cdh Tj = -7 °C	0.9	0.9
Pdh Tj = +2°C	4.31 kW	4.31 kW
COP Tj = +2°C	4.7	3.44
Cdh Tj = +2 °C	0.9	0.9

Pdh Tj = +7°C	2.77 kW	2.77 kW
COP Tj = +7°C	7	5.05
Cdh Tj = +7 °C	0.9	0.9
Pdh Tj = 12°C	2.4 kW	2.4 kW
COP Tj = 12°C	9	6
Cdh Tj = +12 °C	0.9	0.9
Pdh Tj = Tbiv	7.08 kW	7.08 kW
COP Tj = Tbiv	2.7	2.02
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	7.4 kW	7.3 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.4	1.9
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.9	0.9
WTOL	75 °C	75 °C
Poff	22 W	22 W
PTO	22 W	22 W
PSB	22 W	22 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.6 kW	0.7 kW
Annual energy consumption Qhe	3398 kWh	4646 kWh

EN 12102-1 | Warmer Climate

	Low temperature	Medium temperature
Sound power level indoor	- dB(A)	- dB(A)
Sound power level outdoor	59 dB(A)	59 dB(A)

EN 14825 | Warmer Climate

	Low temperature	Medium temperature
ηs	265 %	191 %
Prated	8.5 kW	8.5 kW
SCOP	6.7	4.85
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	8.5 kW	8.5 kW
COP Tj = +2°C	3.5	2.2
Cdh Tj = +2 °C	0.9	0.9
Pdh Tj = +7°C	5.46 kW	5.46 kW
COP Tj = +7°C	6	4.1
Cdh Tj = +7 °C	0.9	0.9
Pdh Tj = 12°C	2.43 kW	2.43 kW
COP Tj = 12°C	8.3	8.3
Cdh Tj = +12 °C	0.9	0.9
Pdh Tj = Tbiv	8.5 kW	8.5 kW
COP Tj = Tbiv	3.5	2.2

Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	8.5 kW	8.5 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.5	2.2
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.9	0.9
WTOL	75 °C	75 °C
Poff	22 W	22 W
PTO	22 W	22 W
PSB	22 W	22 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0 kW	0 kW
Annual energy consumption Qhe	1680 kWh	2326 kWh

Model AE080CXYDGK/EU MIM-E03GN	
Model name	AE080CXYDGK/EU MIM-E03GN
Application	Heating (medium temp)
Units	Outdoor
Climate zone (for heating)	Warmer 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 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 kW	8 kW
El input	1.63 kW	2.67 kW
COP	4.91	3

EN 12102-1 | Average Climate		
	Low temperature	Medium temperature
Sound power level indoor	- dB(A)	- dB(A)
Sound power level outdoor	59 dB(A)	59 dB(A)

EN 14825 | Average Climate		
	Low temperature	Medium temperature
ηs	191 %	139 %
Prated	8 kW	8 kW
SCOP	4.85	3.55
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	7.08 kW	7.08 kW
COP Tj = -7°C	2.7	2.02
Cdh Tj = -7 °C	0.9	0.9
Pdh Tj = +2°C	4.31 kW	4.31 kW
COP Tj = +2°C	4.7	3.44
Cdh Tj = +2 °C	0.9	0.9

Pdh Tj = +7°C	2.77 kW	2.77 kW
COP Tj = +7°C	7	5.05
Cdh Tj = +7 °C	0.9	0.9
Pdh Tj = 12°C	2.4 kW	2.4 kW
COP Tj = 12°C	9	6
Cdh Tj = +12 °C	0.9	0.9
Pdh Tj = Tbiv	7.08 kW	7.08 kW
COP Tj = Tbiv	2.7	2.02
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	7.4 kW	7.3 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.4	1.9
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.9	0.9
WTOL	75 °C	75 °C
Poff	22 W	22 W
PTO	22 W	22 W
PSB	22 W	22 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.6 kW	0.7 kW
Annual energy consumption Qhe	3398 kWh	4646 kWh

EN 12102-1 | Warmer Climate

	Low temperature	Medium temperature
Sound power level indoor	- dB(A)	- dB(A)
Sound power level outdoor	59 dB(A)	59 dB(A)

EN 14825 | Warmer Climate

	Low temperature	Medium temperature
ηs	265 %	191 %
Prated	8.5 kW	8.5 kW
SCOP	6.7	4.85
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	8.5 kW	8.5 kW
COP Tj = +2°C	3.5	2.2
Cdh Tj = +2 °C	0.9	0.9
Pdh Tj = +7°C	5.46 kW	5.46 kW
COP Tj = +7°C	6	4.1
Cdh Tj = +7 °C	0.9	0.9
Pdh Tj = 12°C	2.43 kW	2.43 kW
COP Tj = 12°C	8.3	8.3
Cdh Tj = +12 °C	0.9	0.9
Pdh Tj = Tbiv	8.5 kW	8.5 kW
COP Tj = Tbiv	3.5	2.2

Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	8.5 kW	8.5 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.5	2.2
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.9	0.9
WTOL	75 °C	75 °C
Poff	22 W	22 W
PTO	22 W	22 W
PSB	22 W	22 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0 kW	0 kW
Annual energy consumption Qhe	1680 kWh	2326 kWh