Subtype ASThermal i 12-16 series(3ph)	
Certificate Holder	Guangdong Answer Technology Co., Ltd.
Address	1st & 2nd Floor, Building B, No.7, Xinde Road,Ronggui, Shunde, Foshan,
ZIP	528303
City	Guangdong
Country	CN
Certification Body	DIN CERTCO Gesellschaft für Konformitätsbewertung mbH
Subtype title	ASThermal i 12-16 series(3ph)
Registration number	011-1W1023
Heat Pump Type	Outdoor Air/Water
Refrigerant	R290
Mass of Refrigerant	1.35 kg
Certification Date	18.03.2025
Testing basis	HP KEYMARK certification scheme rules rev. 14

Model AMH-12TR2	
Model name	AMH-12TR2
Application	Heating (medium temp)
Units	Outdoor
Climate zone (for heating)	Warmer, Warmer Climate
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	12.20 kW	12.40 kW
El input	2.51 kW	3.84 kW
COP	4.86	3.23

EN 14511-2 | Cooling		
	+7°C/+12°C	+18°C/+23°C
El input	3.62 kW	2.64 kW
Cooling capacity	11.44	12.41
EER	3.16	4.67

EN 12102-1 | Average Climate		
	Low temperature	Medium temperature
Sound power level outdoor	63 dB(A)	63 dB(A)

EN 14825 | Average Climate		
	Low temperature	Medium temperature
ηs	186 %	144 %
Prated	12.35 kW	11.87 kW
SCOP	4.72	3.68
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C

Pdh Tj = -7°C	10.92 kW	10.50 kW
COP Tj = -7°C	2.87	2.28
Cdh Tj = -7 °C	0.900	0.900
Pdh Tj = +2°C	6.93 kW	6.81 kW
COP Tj = +2°C	4.65	3.65
Cdh Tj = +2 °C	0.900	0.900
Pdh Tj = +7°C	5.03 kW	5.60 kW
COP Tj = +7°C	6.58	4.99
Cdh Tj = +7 °C	0.900	0.900
Pdh Tj = 12°C	6.07 kW	5.74 kW
COP Tj = 12°C	7.99	6.47
Cdh Tj = +12 °C	0.900	0.900
Pdh Tj = Tbiv	10.92 kW	10.50 kW
COP Tj = Tbiv	2.87	2.28
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	10.49 kW	9.79 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.69	2.03
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.900	0.900
WTOL	75 °C	75 °C
Poff	15 W	15 W
PTO	15 W	15 W
PSB	15 W	15 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.86 kW	2.08 kW
Annual energy consumption Qhe	5406 kWh	6658 kWh

EN 12102-1 | Warmer Climate

	Low temperature	Medium temperature
Sound power level outdoor	63 dB(A)	63 dB(A)

EN 14825 | Warmer Climate

	Low temperature	Medium temperature
ηs	246 %	185 %
Prated	11.93 kW	12.10 kW
SCOP	6.23	4.70
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	11.93 kW	12.10 kW
COP Tj = +2°C	3.52	2.52
Cdh Tj = +2 °C	0.900	0.900
Pdh Tj = +7°C	7.88 kW	8.07 kW
COP Tj = +7°C	6.05	4.14
Cdh Tj = +7 °C	0.900	0.900

Pdh Tj = 12°C	6.03 kW	5.96 kW
COP Tj = 12°C	7.60	6.28
Cdh Tj = +12 °C	0.900	0.900
Pdh Tj = Tbiv	11.93 kW	12.10 kW
COP Tj = Tbiv	3.52	2.52
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	11.93 kW	12.10 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.52	2.52
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.900	0.900
WTOL	75 °C	75 °C
Poff	15 W	15 W
PTO	15 W	15 W
PSB	15 W	15 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	2559 kWh	3440 kWh

EN 14825 | Cooling		
	+7°C/+12°C	+18°C/+23°C
Pdesignc	11.44 kW	12.46 kW
SEER	5.39	6.99
Pdc Tj = 35°C	11.44 kW	12.46 kW
EER Tj = 35°C	3.16	4.87
Cdc Tj = 35 °C	0.900	0.900
Pdc Tj = 30°C	8.65 kW	9.32 kW
EER Tj = 30°C	4.72	6.89
Cdc Tj = 30 °C	0.900	0.900
Pdc Tj = 25°C	5.61 kW	6.18 kW
EER Tj = 25°C	6.57	7.83
Cdc Tj = 25 °C	0.900	0.900
Pdc Tj = 20°C	5.08 kW	6.25 kW
EER Tj = 20°C	6.70	8.55
Cdc Tj = 20 °C	0.900	0.900
Poff	15 W	15 W
PTO	0 W	0 W
PSB	15 W	15 W
PCK	0 W	0 W
Annual energy consumption Qce	1264 kWh	1069 kWh

Model AMH-14TR2	
Model name	AMH-14TR2
Application	Heating (medium temp)
Units	Outdoor
Climate zone (for heating)	Warmer, Warmer Climate
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	14.29 kW	14.48 kW
El input	3.13 kW	4.63 kW
COP	4.57	3.13

EN 14511-2 | Cooling		
	+7°C/+12°C	+18°C/+23°C
El input	4.44 kW	3.17 kW
Cooling capacity	13.22	14.17
EER	2.98	4.47

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

EN 14825 | Average Climate		
	Low temperature	Medium temperature
ηs	189 %	144 %
Prated	13.86 kW	12.84 kW
SCOP	4.79	3.68
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C

Pdh Tj = -7°C	12.27 kW	11.36 kW
COP Tj = -7°C	2.79	2.21
Cdh Tj = -7 °C	0.900	0.900
Pdh Tj = +2°C	7.62 kW	7.49 kW
COP Tj = +2°C	4.64	3.64
Cdh Tj = +2 °C	0.900	0.900
Pdh Tj = +7°C	5.24 kW	5.63 kW
COP Tj = +7°C	7.03	5.06
Cdh Tj = +7 °C	0.900	0.900
Pdh Tj = 12°C	6.06 kW	5.75 kW
COP Tj = 12°C	8.02	6.51
Cdh Tj = +12 °C	0.900	0.900
Pdh Tj = Tbiv	12.27 kW	11.36 kW
COP Tj = Tbiv	2.79	2.21
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	11.91 kW	10.74 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.57	2.08
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.900	0.900
WTOL	75 °C	75 °C
Poff	15 W	15 W
PTO	15 W	15 W
PSB	15 W	15 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.95 kW	2.10 kW
Annual energy consumption Qhe	5979 kWh	7197 kWh

EN 12102-1 | Warmer Climate

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

EN 14825 | Warmer Climate

	Low temperature	Medium temperature
ηs	249 %	188 %
Prated	12.93 kW	13.10 kW
SCOP	6.30	4.78
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	12.93 kW	13.10 kW
COP Tj = +2°C	3.28	2.46
Cdh Tj = +2 °C	0.900	0.900
Pdh Tj = +7°C	8.53 kW	8.66 kW
COP Tj = +7°C	5.90	4.22
Cdh Tj = +7 °C	0.900	0.900

Pdh Tj = 12°C	6.10 kW	5.97 kW
COP Tj = 12°C	7.94	6.33
Cdh Tj = +12 °C	0.900	0.900
Pdh Tj = Tbiv	12.93 kW	13.10 kW
COP Tj = Tbiv	3.28	2.46
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	12.93 kW	13.10 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.28	2.46
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.900	0.900
WTOL	75 °C	75 °C
Poff	15 W	15 W
PTO	15 W	15 W
PSB	15 W	15 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	2743 kWh	3664 kWh

EN 14825 | Cooling		
	+7°C/+12°C	+18°C/+23°C
Pdesignc	13.22 kW	14.17 kW
SEER	5.26	7.36
Pdc Tj = 35°C	13.22 kW	14.17 kW
EER Tj = 35°C	2.98	4.47
Cdc Tj = 35 °C	0.900	0.900
Pdc Tj = 30°C	9.91 kW	10.68 kW
EER Tj = 30°C	4.40	6.58
Cdc Tj = 30 °C	0.900	0.900
Pdc Tj = 25°C	6.51 kW	6.90 kW
EER Tj = 25°C	6.29	8.97
Cdc Tj = 25 °C	0.900	0.900
Pdc Tj = 20°C	5.12 kW	6.29 kW
EER Tj = 20°C	6.77	8.58
Cdc Tj = 20 °C	0.900	0.900
Poff	15 W	15 W
PTO	0 W	0 W
PSB	15 W	15 W
PCK	0 W	0 W
Annual energy consumption Qce	1508 kWh	1155 kWh

Model AMH-16TR2	
Model name	AMH-16TR2
Application	Heating (medium temp)
Units	Outdoor
Climate zone (for heating)	Warmer, Warmer Climate
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	15.44 kW	15.70 kW
El input	3.47 kW	5.14 kW
COP	4.38	3.05

EN 14511-2 | Cooling		
	+7°C/+12°C	+18°C/+23°C
El input	5.05 kW	3.89 kW
Cooling capacity	14.61	16.23
EER	2.89	4.18

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

EN 14825 | Average Climate		
	Low temperature	Medium temperature
ηs	184 %	145 %
Prated	14.97 kW	14.44 kW
SCOP	4.67	3.69
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C

Pdh Tj = -7°C	13.25 kW	12.77 kW
COP Tj = -7°C	2.67	2.15
Cdh Tj = -7 °C	0.900	0.900
Pdh Tj = +2°C	8.17 kW	8.36 kW
COP Tj = +2°C	4.47	3.59
Cdh Tj = +2 °C	0.900	0.900
Pdh Tj = +7°C	5.24 kW	5.71 kW
COP Tj = +7°C	7.03	5.26
Cdh Tj = +7 °C	0.900	0.900
Pdh Tj = 12°C	6.08 kW	5.77 kW
COP Tj = 12°C	8.08	6.58
Cdh Tj = +12 °C	0.900	0.900
Pdh Tj = Tbiv	13.25 kW	12.77 kW
COP Tj = Tbiv	2.67	2.15
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	12.65 kW	11.45 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.53	2.04
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.900	0.900
WTOL	75 °C	75 °C
Poff	15 W	15 W
PTO	15 W	15 W
PSB	15 W	15 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	2.32 kW	2.99 kW
Annual energy consumption Qhe	6628 kWh	8090 kWh

EN 12102-1 | Warmer Climate

	Low temperature	Medium temperature
Sound power level outdoor	65 dB(A)	65 dB(A)

EN 14825 | Warmer Climate

	Low temperature	Medium temperature
ηs	251 %	188 %
Prated	13.98 kW	13.50 kW
SCOP	6.34	4.78
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	13.98 kW	13.50 kW
COP Tj = +2°C	3.24	2.42
Cdh Tj = +2 °C	0.900	0.900
Pdh Tj = +7°C	9.13 kW	8.88 kW
COP Tj = +7°C	5.88	4.20
Cdh Tj = +7 °C	0.900	0.900

Pdh Tj = 12°C	6.07 kW	5.97 kW
COP Tj = 12°C	8.00	6.36
Cdh Tj = +12 °C	0.900	0.900
Pdh Tj = Tbiv	13.98 kW	13.50 kW
COP Tj = Tbiv	3.24	2.42
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	13.98 kW	13.50 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.24	2.42
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.900	0.900
WTOL	75 °C	75 °C
Poff	15 W	15 W
PTO	15 W	15 W
PSB	15 W	15 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	2945 kWh	3771 kWh

EN 14825 | Cooling		
	+7°C/+12°C	+18°C/+23°C
Pdesignc	14.58 kW	16.23 kW
SEER	5.25	7.06
Pdc Tj = 35°C	14.58 kW	16.23 kW
EER Tj = 35°C	2.86	4.18
Cdc Tj = 35 °C	0.900	0.900
Pdc Tj = 30°C	10.93 kW	12.27 kW
EER Tj = 30°C	4.42	6.14
Cdc Tj = 30 °C	0.900	0.900
Pdc Tj = 25°C	7.22 kW	8.03 kW
EER Tj = 25°C	6.20	8.43
Cdc Tj = 25 °C	0.900	0.900
Pdc Tj = 20°C	5.17 kW	6.37 kW
EER Tj = 20°C	6.85	8.61
Cdc Tj = 20 °C	0.900	0.900
Poff	15 W	15 W
PTO	0 W	0 W
PSB	15 W	15 W
PCK	0 W	0 W
Annual energy consumption Qce	1666 kWh	1379 kWh

Model AMH-12TR2B3	
Model name	AMH-12TR2B3
Application	Heating (medium temp)
Units	Outdoor
Climate zone (for heating)	Warmer, Warmer Climate
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	12.20 kW	12.40 kW
El input	2.51 kW	3.84 kW
COP	4.86	3.23

EN 14511-2 | Cooling		
	+7°C/+12°C	+18°C/+23°C
El input	3.62 kW	2.64 kW
Cooling capacity	11.44	12.41
EER	3.16	4.67

EN 12102-1 | Average Climate		
	Low temperature	Medium temperature
Sound power level outdoor	63 dB(A)	63 dB(A)

EN 14825 | Average Climate		
	Low temperature	Medium temperature
ηs	186 %	144 %
Prated	12.35 kW	11.87 kW
SCOP	4.72	3.68
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C

Pdh Tj = -7°C	10.92 kW	10.50 kW
COP Tj = -7°C	2.87	2.28
Cdh Tj = -7 °C	0.900	0.900
Pdh Tj = +2°C	6.93 kW	6.81 kW
COP Tj = +2°C	4.65	3.65
Cdh Tj = +2 °C	0.900	0.900
Pdh Tj = +7°C	5.03 kW	5.60 kW
COP Tj = +7°C	6.58	4.99
Cdh Tj = +7 °C	0.900	0.900
Pdh Tj = 12°C	6.07 kW	5.74 kW
COP Tj = 12°C	7.99	6.47
Cdh Tj = +12 °C	0.900	0.900
Pdh Tj = Tbiv	10.92 kW	10.50 kW
COP Tj = Tbiv	2.87	2.28
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	10.49 kW	9.79 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.69	2.03
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.900	0.900
WTOL	75 °C	75 °C
Poff	15 W	15 W
PTO	15 W	15 W
PSB	15 W	15 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.86 kW	2.08 kW
Annual energy consumption Qhe	5406 kWh	6658 kWh

EN 12102-1 | Warmer Climate

	Low temperature	Medium temperature
Sound power level outdoor	63 dB(A)	63 dB(A)

EN 14825 | Warmer Climate

	Low temperature	Medium temperature
ηs	246 %	185 %
Prated	11.93 kW	12.10 kW
SCOP	6.23	4.70
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	11.93 kW	12.10 kW
COP Tj = +2°C	3.52	2.52
Cdh Tj = +2 °C	0.900	0.900
Pdh Tj = +7°C	7.88 kW	8.07 kW
COP Tj = +7°C	6.05	4.14
Cdh Tj = +7 °C	0.900	0.900

Pdh Tj = 12°C	6.03 kW	5.96 kW
COP Tj = 12°C	7.60	6.28
Cdh Tj = +12 °C	0.900	0.900
Pdh Tj = Tbiv	11.93 kW	12.10 kW
COP Tj = Tbiv	3.52	2.52
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	11.93 kW	12.10 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.52	2.52
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.900	0.900
WTOL	75 °C	75 °C
Poff	15 W	15 W
PTO	15 W	15 W
PSB	15 W	15 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	2559 kWh	3440 kWh

EN 14825 | Cooling		
	+7°C/+12°C	+18°C/+23°C
Pdesignc	11.44 kW	12.46 kW
SEER	5.39	6.99
Pdc Tj = 35°C	11.44 kW	12.46 kW
EER Tj = 35°C	3.16	4.87
Cdc Tj = 35 °C	0.900	0.900
Pdc Tj = 30°C	8.65 kW	9.32 kW
EER Tj = 30°C	4.72	6.89
Cdc Tj = 30 °C	0.900	0.900
Pdc Tj = 25°C	5.61 kW	6.18 kW
EER Tj = 25°C	6.57	7.83
Cdc Tj = 25 °C	0.900	0.900
Pdc Tj = 20°C	5.08 kW	6.25 kW
EER Tj = 20°C	6.70	8.55
Cdc Tj = 20 °C	0.900	0.900
Poff	15 W	15 W
PTO	0 W	0 W
PSB	15 W	15 W
PCK	0 W	0 W
Annual energy consumption Qce	1264 kWh	1069 kWh

Model AMH-12TR2BT6	
Model name	AMH-12TR2BT6
Application	Heating (medium temp)
Units	Outdoor
Climate zone (for heating)	Warmer, Warmer Climate
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	12.20 kW	12.40 kW
El input	2.51 kW	3.84 kW
COP	4.86	3.23

EN 14511-2 | Cooling		
	+7°C/+12°C	+18°C/+23°C
El input	3.62 kW	2.64 kW
Cooling capacity	11.44	12.41
EER	3.16	4.67

EN 12102-1 | Average Climate		
	Low temperature	Medium temperature
Sound power level outdoor	63 dB(A)	63 dB(A)

EN 14825 | Average Climate		
	Low temperature	Medium temperature
ηs	186 %	144 %
Prated	12.35 kW	11.87 kW
SCOP	4.72	3.68
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C

Pdh Tj = -7°C	10.92 kW	10.50 kW
COP Tj = -7°C	2.87	2.28
Cdh Tj = -7 °C	0.900	0.900
Pdh Tj = +2°C	6.93 kW	6.81 kW
COP Tj = +2°C	4.65	3.65
Cdh Tj = +2 °C	0.900	0.900
Pdh Tj = +7°C	5.03 kW	5.60 kW
COP Tj = +7°C	6.58	4.99
Cdh Tj = +7 °C	0.900	0.900
Pdh Tj = 12°C	6.07 kW	5.74 kW
COP Tj = 12°C	7.99	6.47
Cdh Tj = +12 °C	0.900	0.900
Pdh Tj = Tbiv	10.92 kW	10.50 kW
COP Tj = Tbiv	2.87	2.28
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	10.49 kW	9.79 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.69	2.03
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.900	0.900
WTOL	75 °C	75 °C
Poff	15 W	15 W
PTO	15 W	15 W
PSB	15 W	15 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.86 kW	2.08 kW
Annual energy consumption Qhe	5406 kWh	6658 kWh

EN 12102-1 | Warmer Climate

	Low temperature	Medium temperature
Sound power level outdoor	63 dB(A)	63 dB(A)

EN 14825 | Warmer Climate

	Low temperature	Medium temperature
ηs	246 %	185 %
Prated	11.93 kW	12.10 kW
SCOP	6.23	4.70
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	11.93 kW	12.10 kW
COP Tj = +2°C	3.52	2.52
Cdh Tj = +2 °C	0.900	0.900
Pdh Tj = +7°C	7.88 kW	8.07 kW
COP Tj = +7°C	6.05	4.14
Cdh Tj = +7 °C	0.900	0.900

Pdh Tj = 12°C	6.03 kW	5.96 kW
COP Tj = 12°C	7.60	6.28
Cdh Tj = +12 °C	0.900	0.900
Pdh Tj = Tbiv	11.93 kW	12.10 kW
COP Tj = Tbiv	3.52	2.52
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	11.93 kW	12.10 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.52	2.52
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.900	0.900
WTOL	75 °C	75 °C
Poff	15 W	15 W
PTO	15 W	15 W
PSB	15 W	15 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	2559 kWh	3440 kWh

EN 14825 | Cooling		
	+7°C/+12°C	+18°C/+23°C
Pdesignc	11.44 kW	12.46 kW
SEER	5.39	6.99
Pdc Tj = 35°C	11.44 kW	12.46 kW
EER Tj = 35°C	3.16	4.87
Cdc Tj = 35 °C	0.900	0.900
Pdc Tj = 30°C	8.65 kW	9.32 kW
EER Tj = 30°C	4.72	6.89
Cdc Tj = 30 °C	0.900	0.900
Pdc Tj = 25°C	5.61 kW	6.18 kW
EER Tj = 25°C	6.57	7.83
Cdc Tj = 25 °C	0.900	0.900
Pdc Tj = 20°C	5.08 kW	6.25 kW
EER Tj = 20°C	6.70	8.55
Cdc Tj = 20 °C	0.900	0.900
Poff	15 W	15 W
PTO	0 W	0 W
PSB	15 W	15 W
PCK	0 W	0 W
Annual energy consumption Qce	1264 kWh	1069 kWh

Model AMH-12TR2BT9	
Model name	AMH-12TR2BT9
Application	Heating (medium temp)
Units	Outdoor
Climate zone (for heating)	Warmer, Warmer Climate
Reversibility	Yes
Cooling mode application (optional)	+7°C/12°C, +18°C/+23°C
Any additional heat sources	n/a

General data	
Power supply	n/a
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	12.20 kW	12.40 kW
El input	2.51 kW	3.84 kW
COP	4.86	3.23

EN 14511-2 | Cooling		
	+7°C/+12°C	+18°C/+23°C
El input	3.62 kW	2.64 kW
Cooling capacity	11.44	12.41
EER	3.16	4.67

EN 12102-1 | Average Climate		
	Low temperature	Medium temperature
Sound power level outdoor	63 dB(A)	63 dB(A)

EN 14825 | Average Climate		
	Low temperature	Medium temperature
ηs	186 %	144 %
Prated	12.35 kW	11.87 kW
SCOP	4.72	3.68
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C

Pdh Tj = -7°C	10.92 kW	10.50 kW
COP Tj = -7°C	2.87	2.28
Cdh Tj = -7 °C	0.900	0.900
Pdh Tj = +2°C	6.93 kW	6.81 kW
COP Tj = +2°C	4.65	3.65
Cdh Tj = +2 °C	0.900	0.900
Pdh Tj = +7°C	5.03 kW	5.60 kW
COP Tj = +7°C	6.58	4.99
Cdh Tj = +7 °C	0.900	0.900
Pdh Tj = 12°C	6.07 kW	5.74 kW
COP Tj = 12°C	7.99	6.47
Cdh Tj = +12 °C	0.900	0.900
Pdh Tj = Tbiv	10.92 kW	10.50 kW
COP Tj = Tbiv	2.87	2.28
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	10.49 kW	9.79 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.69	2.03
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.900	0.900
WTOL	75 °C	75 °C
Poff	15 W	15 W
PTO	15 W	15 W
PSB	15 W	15 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.86 kW	2.08 kW
Annual energy consumption Qhe	5406 kWh	6658 kWh

EN 12102-1 | Warmer Climate

	Low temperature	Medium temperature
Sound power level outdoor	63 dB(A)	63 dB(A)

EN 14825 | Warmer Climate

	Low temperature	Medium temperature
ηs	246 %	185 %
Prated	11.93 kW	12.10 kW
SCOP	6.23	4.70
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	11.93 kW	12.10 kW
COP Tj = +2°C	3.52	2.52
Cdh Tj = +2 °C	0.900	0.900
Pdh Tj = +7°C	7.88 kW	8.07 kW
COP Tj = +7°C	6.05	4.14
Cdh Tj = +7 °C	0.900	0.900

Pdh Tj = 12°C	6.03 kW	5.96 kW
COP Tj = 12°C	7.60	6.28
Cdh Tj = +12 °C	0.900	0.900
Pdh Tj = Tbiv	11.93 kW	12.10 kW
COP Tj = Tbiv	3.52	2.52
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	11.93 kW	12.10 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.52	2.52
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.900	0.900
WTOL	75 °C	75 °C
Poff	15 W	15 W
PTO	15 W	15 W
PSB	15 W	15 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	2559 kWh	3440 kWh

EN 14825 | Cooling		
	+7°C/+12°C	+18°C/+23°C
Pdesignc	11.44 kW	12.46 kW
SEER	5.39	6.99
Pdc Tj = 35°C	11.44 kW	12.46 kW
EER Tj = 35°C	3.16	4.87
Cdc Tj = 35 °C	0.900	0.900
Pdc Tj = 30°C	8.65 kW	9.32 kW
EER Tj = 30°C	4.72	6.89
Cdc Tj = 30 °C	0.900	0.900
Pdc Tj = 25°C	5.61 kW	6.18 kW
EER Tj = 25°C	6.57	7.83
Cdc Tj = 25 °C	0.900	0.900
Pdc Tj = 20°C	5.08 kW	6.25 kW
EER Tj = 20°C	6.70	8.55
Cdc Tj = 20 °C	0.900	0.900
Poff	15 W	15 W
PTO	0 W	0 W
PSB	15 W	15 W
PCK	0 W	0 W
Annual energy consumption Qce	1264 kWh	1069 kWh

Model AMH-14TR2B3	
Model name	AMH-14TR2B3
Application	Heating (medium temp)
Units	Outdoor
Climate zone (for heating)	Warmer, Warmer Climate
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	14.29 kW	14.48 kW
El input	3.13 kW	4.63 kW
COP	4.57	3.13

EN 14511-2 | Cooling		
	+7°C/+12°C	+18°C/+23°C
El input	4.44 kW	3.17 kW
Cooling capacity	13.22	14.17
EER	2.98	4.47

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

EN 14825 | Average Climate		
	Low temperature	Medium temperature
ηs	189 %	144 %
Prated	13.86 kW	12.84 kW
SCOP	4.79	3.68
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C

Pdh Tj = -7°C	12.27 kW	11.36 kW
COP Tj = -7°C	2.79	2.21
Cdh Tj = -7 °C	0.900	0.900
Pdh Tj = +2°C	7.62 kW	7.49 kW
COP Tj = +2°C	4.64	3.64
Cdh Tj = +2 °C	0.900	0.900
Pdh Tj = +7°C	5.24 kW	5.63 kW
COP Tj = +7°C	7.03	5.06
Cdh Tj = +7 °C	0.900	0.900
Pdh Tj = 12°C	6.06 kW	5.75 kW
COP Tj = 12°C	8.02	6.51
Cdh Tj = +12 °C	0.900	0.900
Pdh Tj = Tbiv	12.27 kW	11.36 kW
COP Tj = Tbiv	2.79	2.21
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	11.91 kW	10.74 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.57	2.08
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.900	0.900
WTOL	75 °C	75 °C
Poff	15 W	15 W
PTO	15 W	15 W
PSB	15 W	15 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.95 kW	2.10 kW
Annual energy consumption Qhe	5979 kWh	7197 kWh

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

EN 14825 | Warmer Climate		
	Low temperature	Medium temperature
ηs	249 %	188 %
Prated	12.93 kW	13.10 kW
SCOP	6.30	4.78
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	12.93 kW	13.10 kW
COP Tj = +2°C	3.28	2.46
Cdh Tj = +2 °C	0.900	0.900
Pdh Tj = +7°C	8.53 kW	8.66 kW
COP Tj = +7°C	5.90	4.22
Cdh Tj = +7 °C	0.900	0.900

Pdh Tj = 12°C	6.10 kW	5.97 kW
COP Tj = 12°C	7.94	6.33
Cdh Tj = +12 °C	0.900	0.900
Pdh Tj = Tbiv	12.93 kW	13.10 kW
COP Tj = Tbiv	3.28	2.46
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	12.93 kW	13.10 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.28	2.46
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.900	0.900
WTOL	75 °C	75 °C
Poff	15 W	15 W
PTO	15 W	15 W
PSB	15 W	15 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	2743 kWh	3664 kWh

EN 14825 | Cooling		
	+7°C/+12°C	+18°C/+23°C
Pdesignc	13.22 kW	14.17 kW
SEER	5.26	7.36
Pdc Tj = 35°C	13.22 kW	14.17 kW
EER Tj = 35°C	2.98	4.47
Cdc Tj = 35 °C	0.900	0.900
Pdc Tj = 30°C	9.91 kW	10.68 kW
EER Tj = 30°C	4.40	6.58
Cdc Tj = 30 °C	0.900	0.900
Pdc Tj = 25°C	6.51 kW	6.90 kW
EER Tj = 25°C	6.29	8.97
Cdc Tj = 25 °C	0.900	0.900
Pdc Tj = 20°C	5.12 kW	6.29 kW
EER Tj = 20°C	6.77	8.58
Cdc Tj = 20 °C	0.900	0.900
Poff	15 W	15 W
PTO	0 W	0 W
PSB	15 W	15 W
PCK	0 W	0 W
Annual energy consumption Qce	1508 kWh	1155 kWh

Model AMH-14TR2BT6	
Model name	AMH-14TR2BT6
Application	Heating (medium temp)
Units	Outdoor
Climate zone (for heating)	Warmer, Warmer Climate
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	14.29 kW	14.48 kW
El input	3.13 kW	4.63 kW
COP	4.57	3.13

EN 14511-2 | Cooling		
	+7°C/+12°C	+18°C/+23°C
El input	4.44 kW	3.17 kW
Cooling capacity	13.22	14.17
EER	2.98	4.47

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

EN 14825 | Average Climate		
	Low temperature	Medium temperature
ηs	189 %	144 %
Prated	13.86 kW	12.84 kW
SCOP	4.79	3.68
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C

Pdh Tj = -7°C	12.27 kW	11.36 kW
COP Tj = -7°C	2.79	2.21
Cdh Tj = -7 °C	0.900	0.900
Pdh Tj = +2°C	7.62 kW	7.49 kW
COP Tj = +2°C	4.64	3.64
Cdh Tj = +2 °C	0.900	0.900
Pdh Tj = +7°C	5.24 kW	5.63 kW
COP Tj = +7°C	7.03	5.06
Cdh Tj = +7 °C	0.900	0.900
Pdh Tj = 12°C	6.06 kW	5.75 kW
COP Tj = 12°C	8.02	6.51
Cdh Tj = +12 °C	0.900	0.900
Pdh Tj = Tbiv	12.27 kW	11.36 kW
COP Tj = Tbiv	2.79	2.21
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	11.91 kW	10.74 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.57	2.08
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.900	0.900
WTOL	75 °C	75 °C
Poff	15 W	15 W
PTO	15 W	15 W
PSB	15 W	15 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.95 kW	2.10 kW
Annual energy consumption Qhe	5979 kWh	7197 kWh

EN 12102-1 | Warmer Climate

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

EN 14825 | Warmer Climate

	Low temperature	Medium temperature
ηs	249 %	188 %
Prated	12.93 kW	13.10 kW
SCOP	6.30	4.78
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	12.93 kW	13.10 kW
COP Tj = +2°C	3.28	2.46
Cdh Tj = +2 °C	0.900	0.900
Pdh Tj = +7°C	8.53 kW	8.66 kW
COP Tj = +7°C	5.90	4.22
Cdh Tj = +7 °C	0.900	0.900

Pdh Tj = 12°C	6.10 kW	5.97 kW
COP Tj = 12°C	7.94	6.33
Cdh Tj = +12 °C	0.900	0.900
Pdh Tj = Tbiv	12.93 kW	13.10 kW
COP Tj = Tbiv	3.28	2.46
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	12.93 kW	13.10 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.28	2.46
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.900	0.900
WTOL	75 °C	75 °C
Poff	15 W	15 W
PTO	15 W	15 W
PSB	15 W	15 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	2743 kWh	3664 kWh

EN 14825 | Cooling		
	+7°C/+12°C	+18°C/+23°C
Pdesignc	13.22 kW	14.17 kW
SEER	5.26	7.36
Pdc Tj = 35°C	13.22 kW	14.17 kW
EER Tj = 35°C	2.98	4.47
Cdc Tj = 35 °C	0.900	0.900
Pdc Tj = 30°C	9.91 kW	10.68 kW
EER Tj = 30°C	4.40	6.58
Cdc Tj = 30 °C	0.900	0.900
Pdc Tj = 25°C	6.51 kW	6.90 kW
EER Tj = 25°C	6.29	8.97
Cdc Tj = 25 °C	0.900	0.900
Pdc Tj = 20°C	5.12 kW	6.29 kW
EER Tj = 20°C	6.77	8.58
Cdc Tj = 20 °C	0.900	0.900
Poff	15 W	15 W
PTO	0 W	0 W
PSB	15 W	15 W
PCK	0 W	0 W
Annual energy consumption Qce	1508 kWh	1155 kWh

Model AMH-14TR2BT9	
Model name	AMH-14TR2BT9
Application	Heating (medium temp)
Units	Outdoor
Climate zone (for heating)	Warmer, Warmer Climate
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	14.29 kW	14.48 kW
El input	3.13 kW	4.63 kW
COP	4.57	3.13

EN 14511-2 | Cooling		
	+7°C/+12°C	+18°C/+23°C
El input	4.44 kW	3.17 kW
Cooling capacity	13.22	14.17
EER	2.98	4.47

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

EN 14825 | Average Climate		
	Low temperature	Medium temperature
ηs	189 %	144 %
Prated	13.86 kW	12.84 kW
SCOP	4.79	3.68
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C

Pdh Tj = -7°C	12.27 kW	11.36 kW
COP Tj = -7°C	2.79	2.21
Cdh Tj = -7 °C	0.900	0.900
Pdh Tj = +2°C	7.62 kW	7.49 kW
COP Tj = +2°C	4.64	3.64
Cdh Tj = +2 °C	0.900	0.900
Pdh Tj = +7°C	5.24 kW	5.63 kW
COP Tj = +7°C	7.03	5.06
Cdh Tj = +7 °C	0.900	0.900
Pdh Tj = 12°C	6.06 kW	5.75 kW
COP Tj = 12°C	8.02	6.51
Cdh Tj = +12 °C	0.900	0.900
Pdh Tj = Tbiv	12.27 kW	11.36 kW
COP Tj = Tbiv	2.79	2.21
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	11.91 kW	10.74 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.57	2.08
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.900	0.900
WTOL	75 °C	75 °C
Poff	15 W	15 W
PTO	15 W	15 W
PSB	15 W	15 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.95 kW	2.10 kW
Annual energy consumption Qhe	5979 kWh	7197 kWh

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

EN 14825 | Warmer Climate		
	Low temperature	Medium temperature
ηs	249 %	188 %
Prated	12.93 kW	13.10 kW
SCOP	6.30	4.78
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	12.93 kW	13.10 kW
COP Tj = +2°C	3.28	2.46
Cdh Tj = +2 °C	0.900	0.900
Pdh Tj = +7°C	8.53 kW	8.66 kW
COP Tj = +7°C	5.90	4.22
Cdh Tj = +7 °C	0.900	0.900

Pdh Tj = 12°C	6.10 kW	5.97 kW
COP Tj = 12°C	7.94	6.33
Cdh Tj = +12 °C	0.900	0.900
Pdh Tj = Tbiv	12.93 kW	13.10 kW
COP Tj = Tbiv	3.28	2.46
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	12.93 kW	13.10 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.28	2.46
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.900	0.900
WTOL	75 °C	75 °C
Poff	15 W	15 W
PTO	15 W	15 W
PSB	15 W	15 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	2743 kWh	3664 kWh

EN 14825 | Cooling		
	+7°C/+12°C	+18°C/+23°C
Pdesignc	13.22 kW	14.17 kW
SEER	5.26	7.36
Pdc Tj = 35°C	13.22 kW	14.17 kW
EER Tj = 35°C	2.98	4.47
Cdc Tj = 35 °C	0.900	0.900
Pdc Tj = 30°C	9.91 kW	10.68 kW
EER Tj = 30°C	4.40	6.58
Cdc Tj = 30 °C	0.900	0.900
Pdc Tj = 25°C	6.51 kW	6.90 kW
EER Tj = 25°C	6.29	8.97
Cdc Tj = 25 °C	0.900	0.900
Pdc Tj = 20°C	5.12 kW	6.29 kW
EER Tj = 20°C	6.77	8.58
Cdc Tj = 20 °C	0.900	0.900
Poff	15 W	15 W
PTO	0 W	0 W
PSB	15 W	15 W
PCK	0 W	0 W
Annual energy consumption Qce	1508 kWh	1155 kWh

Model AMH-16TR2B3	
Model name	AMH-16TR2B3
Application	Heating (medium temp)
Units	Outdoor
Climate zone (for heating)	Warmer, Warmer Climate
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	15.44 kW	15.70 kW
El input	3.47 kW	5.14 kW
COP	4.38	3.05

EN 14511-2 | Cooling		
	+7°C/+12°C	+18°C/+23°C
El input	5.05 kW	3.89 kW
Cooling capacity	14.61	16.23
EER	2.89	4.18

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

EN 14825 | Average Climate		
	Low temperature	Medium temperature
ηs	184 %	145 %
Prated	14.97 kW	14.44 kW
SCOP	4.67	3.69
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C

Pdh Tj = -7°C	13.25 kW	12.77 kW
COP Tj = -7°C	2.67	2.15
Cdh Tj = -7 °C	0.900	0.900
Pdh Tj = +2°C	8.17 kW	8.36 kW
COP Tj = +2°C	4.47	3.59
Cdh Tj = +2 °C	0.900	0.900
Pdh Tj = +7°C	5.24 kW	5.71 kW
COP Tj = +7°C	7.03	5.26
Cdh Tj = +7 °C	0.900	0.900
Pdh Tj = 12°C	6.08 kW	5.77 kW
COP Tj = 12°C	8.08	6.58
Cdh Tj = +12 °C	0.900	0.900
Pdh Tj = Tbiv	13.25 kW	12.77 kW
COP Tj = Tbiv	2.67	2.15
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	12.65 kW	11.45 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.53	2.04
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.900	0.900
WTOL	75 °C	75 °C
Poff	15 W	15 W
PTO	15 W	15 W
PSB	15 W	15 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	2.32 kW	2.99 kW
Annual energy consumption Qhe	6628 kWh	8090 kWh

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

EN 14825 | Warmer Climate		
	Low temperature	Medium temperature
ηs	251 %	188 %
Prated	13.98 kW	13.50 kW
SCOP	6.34	4.78
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	13.98 kW	13.50 kW
COP Tj = +2°C	3.24	2.42
Cdh Tj = +2 °C	0.900	0.900
Pdh Tj = +7°C	9.13 kW	8.88 kW
COP Tj = +7°C	5.88	4.20
Cdh Tj = +7 °C	0.900	0.900

Pdh Tj = 12°C	6.07 kW	5.97 kW
COP Tj = 12°C	8.00	6.36
Cdh Tj = +12 °C	0.900	0.900
Pdh Tj = Tbiv	13.98 kW	13.50 kW
COP Tj = Tbiv	3.24	2.42
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	13.98 kW	13.50 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.24	2.42
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.900	0.900
WTOL	75 °C	75 °C
Poff	15 W	15 W
PTO	15 W	15 W
PSB	15 W	15 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	2945 kWh	3771 kWh

EN 14825 | Cooling		
	+7°C/+12°C	+18°C/+23°C
Pdesignc	14.58 kW	16.23 kW
SEER	5.25	7.06
Pdc Tj = 35°C	14.58 kW	16.23 kW
EER Tj = 35°C	2.86	4.18
Cdc Tj = 35 °C	0.900	0.900
Pdc Tj = 30°C	10.93 kW	12.27 kW
EER Tj = 30°C	4.42	6.14
Cdc Tj = 30 °C	0.900	0.900
Pdc Tj = 25°C	7.22 kW	8.03 kW
EER Tj = 25°C	6.20	8.43
Cdc Tj = 25 °C	0.900	0.900
Pdc Tj = 20°C	5.17 kW	6.37 kW
EER Tj = 20°C	6.85	8.61
Cdc Tj = 20 °C	0.900	0.900
Poff	15 W	15 W
PTO	0 W	0 W
PSB	15 W	15 W
PCK	0 W	0 W
Annual energy consumption Qce	1666 kWh	1379 kWh

Model AMH-16TR2BT6	
Model name	AMH-16TR2BT6
Application	Heating (medium temp)
Units	Outdoor
Climate zone (for heating)	Warmer, Warmer Climate
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	15.44 kW	15.70 kW
El input	3.47 kW	5.14 kW
COP	4.38	3.05

EN 14511-2 | Cooling		
	+7°C/+12°C	+18°C/+23°C
El input	5.05 kW	3.89 kW
Cooling capacity	14.61	16.23
EER	2.89	4.18

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

EN 14825 | Average Climate		
	Low temperature	Medium temperature
ηs	184 %	145 %
Prated	14.97 kW	14.44 kW
SCOP	4.67	3.69
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C

Pdh Tj = -7°C	13.25 kW	12.77 kW
COP Tj = -7°C	2.67	2.15
Cdh Tj = -7 °C	0.900	0.900
Pdh Tj = +2°C	8.17 kW	8.36 kW
COP Tj = +2°C	4.47	3.59
Cdh Tj = +2 °C	0.900	0.900
Pdh Tj = +7°C	5.24 kW	5.71 kW
COP Tj = +7°C	7.03	5.26
Cdh Tj = +7 °C	0.900	0.900
Pdh Tj = 12°C	6.08 kW	5.77 kW
COP Tj = 12°C	8.08	6.58
Cdh Tj = +12 °C	0.900	0.900
Pdh Tj = Tbiv	13.25 kW	12.77 kW
COP Tj = Tbiv	2.67	2.15
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	12.65 kW	11.45 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.53	2.04
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.900	0.900
WTOL	75 °C	75 °C
Poff	15 W	15 W
PTO	15 W	15 W
PSB	15 W	15 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	2.32 kW	2.99 kW
Annual energy consumption Qhe	6628 kWh	8090 kWh

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

EN 14825 | Warmer Climate		
	Low temperature	Medium temperature
ηs	251 %	188 %
Prated	13.98 kW	13.50 kW
SCOP	6.34	4.78
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	13.98 kW	13.50 kW
COP Tj = +2°C	3.24	2.42
Cdh Tj = +2 °C	0.900	0.900
Pdh Tj = +7°C	9.13 kW	8.88 kW
COP Tj = +7°C	5.88	4.20
Cdh Tj = +7 °C	0.900	0.900

Pdh Tj = 12°C	6.07 kW	5.97 kW
COP Tj = 12°C	8.00	6.36
Cdh Tj = +12 °C	0.900	0.900
Pdh Tj = Tbiv	13.98 kW	13.50 kW
COP Tj = Tbiv	3.24	2.42
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	13.98 kW	13.50 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.24	2.42
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.900	0.900
WTOL	75 °C	75 °C
Poff	15 W	15 W
PTO	15 W	15 W
PSB	15 W	15 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	2945 kWh	3771 kWh

EN 14825 | Cooling		
	+7°C/+12°C	+18°C/+23°C
Pdesignc	14.58 kW	16.23 kW
SEER	5.25	7.06
Pdc Tj = 35°C	14.58 kW	16.23 kW
EER Tj = 35°C	2.86	4.18
Cdc Tj = 35 °C	0.900	0.900
Pdc Tj = 30°C	10.93 kW	12.27 kW
EER Tj = 30°C	4.42	6.14
Cdc Tj = 30 °C	0.900	0.900
Pdc Tj = 25°C	7.22 kW	8.03 kW
EER Tj = 25°C	6.20	8.43
Cdc Tj = 25 °C	0.900	0.900
Pdc Tj = 20°C	5.17 kW	6.37 kW
EER Tj = 20°C	6.85	8.61
Cdc Tj = 20 °C	0.900	0.900
Poff	15 W	15 W
PTO	0 W	0 W
PSB	15 W	15 W
PCK	0 W	0 W
Annual energy consumption Qce	1666 kWh	1379 kWh

Model AMH-16TR2BT9	
Model name	AMH-16TR2BT9
Application	Heating (medium temp)
Units	Outdoor
Climate zone (for heating)	Warmer, Warmer Climate
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	15.44 kW	15.70 kW
El input	3.47 kW	5.14 kW
COP	4.38	3.05

EN 14511-2 | Cooling		
	+7°C/+12°C	+18°C/+23°C
El input	5.05 kW	3.89 kW
Cooling capacity	14.61	16.23
EER	2.89	4.18

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

EN 14825 | Average Climate		
	Low temperature	Medium temperature
ηs	184 %	145 %
Prated	14.97 kW	14.44 kW
SCOP	4.67	3.69
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C

Pdh Tj = -7°C	13.25 kW	12.77 kW
COP Tj = -7°C	2.67	2.15
Cdh Tj = -7 °C	0.900	0.900
Pdh Tj = +2°C	8.17 kW	8.36 kW
COP Tj = +2°C	4.47	3.59
Cdh Tj = +2 °C	0.900	0.900
Pdh Tj = +7°C	5.24 kW	5.71 kW
COP Tj = +7°C	7.03	5.26
Cdh Tj = +7 °C	0.900	0.900
Pdh Tj = 12°C	6.08 kW	5.77 kW
COP Tj = 12°C	8.08	6.58
Cdh Tj = +12 °C	0.900	0.900
Pdh Tj = Tbiv	13.25 kW	12.77 kW
COP Tj = Tbiv	2.67	2.15
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	12.65 kW	11.45 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.53	2.04
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.900	0.900
WTOL	75 °C	75 °C
Poff	15 W	15 W
PTO	15 W	15 W
PSB	15 W	15 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	2.32 kW	2.99 kW
Annual energy consumption Qhe	6628 kWh	8090 kWh

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

EN 14825 | Warmer Climate		
	Low temperature	Medium temperature
ηs	251 %	188 %
Prated	13.98 kW	13.50 kW
SCOP	6.34	4.78
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	13.98 kW	13.50 kW
COP Tj = +2°C	3.24	2.42
Cdh Tj = +2 °C	0.900	0.900
Pdh Tj = +7°C	9.13 kW	8.88 kW
COP Tj = +7°C	5.88	4.20
Cdh Tj = +7 °C	0.900	0.900

Pdh Tj = 12°C	6.07 kW	5.97 kW
COP Tj = 12°C	8.00	6.36
Cdh Tj = +12 °C	0.900	0.900
Pdh Tj = Tbiv	13.98 kW	13.50 kW
COP Tj = Tbiv	3.24	2.42
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	13.98 kW	13.50 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.24	2.42
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.900	0.900
WTOL	75 °C	75 °C
Poff	15 W	15 W
PTO	15 W	15 W
PSB	15 W	15 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	2945 kWh	3771 kWh

EN 14825 | Cooling		
	+7°C/+12°C	+18°C/+23°C
Pdesignc	14.58 kW	16.23 kW
SEER	5.25	7.06
Pdc Tj = 35°C	14.58 kW	16.23 kW
EER Tj = 35°C	2.86	4.18
Cdc Tj = 35 °C	0.900	0.900
Pdc Tj = 30°C	10.93 kW	12.27 kW
EER Tj = 30°C	4.42	6.14
Cdc Tj = 30 °C	0.900	0.900
Pdc Tj = 25°C	7.22 kW	8.03 kW
EER Tj = 25°C	6.20	8.43
Cdc Tj = 25 °C	0.900	0.900
Pdc Tj = 20°C	5.17 kW	6.37 kW
EER Tj = 20°C	6.85	8.61
Cdc Tj = 20 °C	0.900	0.900
Poff	15 W	15 W
PTO	0 W	0 W
PSB	15 W	15 W
PCK	0 W	0 W
Annual energy consumption Qce	1666 kWh	1379 kWh