

AURAX ECO I



High efficiency and ecological
reversible air/water heat pump

Technical data ⁽¹⁾		AE i 29.1	AE i 38.1	AE i 44.1	AE i 60.2	AE i 74.2	AE i 89.2	AE i 100.2
Thermal power range (from 30 Hz = min to 60 Hz = max) ⁽²⁾	kW	11,9–29,1	21,6–38,2	25,1–44,1	32,6–59,7	26,4–74,1	34,8–88,9	44,6–100,1
Thermal power ⁽²⁾	kW	29,1	38,2	44,1	59,7	74,1	88,9	100,1
Absorbed power ⁽²⁾	kW	6,6	9,2	10,3	14,5	18,2	21,1	23,9
COP ⁽²⁾	W/W	4,41	4,17	4,27	4,12	4,06	4,2	4,2
Low temperature energy class (35 °C) ⁽²⁾		A++	A++	A++	A++	A++	A++	A++
SCOP low temperature (35 °C) ⁽²⁾	kWh/kWh	4,18	3,96	4,05	3,91	3,86	3,99	3,99
SCOP average temperature (55 °C) ⁽³⁾	kWh/kWh	3,12	3,15	3,17	3,04	3,02	3	3,02
Cooling capacity range (from 30 Hz = min to 60 Hz = max) ⁽⁴⁾	kW	9,5–24,6	18,23–34	21–38,3	27,7–50,7	22,3–64,7	29,3–75,5	37–86,9
Cooling capability ⁽⁴⁾	kW	24,6	34	38,3	50,7	64,7	75,5	86,9
Absorbed power ⁽⁴⁾	kW	8,2	11,4	12,7	16,1	21	24,6	28,5
EER ⁽⁴⁾	W/W	3,01	2,99	3,01	3,14	3,08	3,07	3,05
SEER low temperature (7 °C) ⁽³⁾	kWh/kWh	4,58	4,54	4,61	4,81	4,77	4,73	4,61
Sound power ⁽⁵⁾	dB (A)	74	76	78	77	78	81	80
Sound pressure ⁽⁶⁾	dB (A)	46	48	50	49	50	53	52
Refrigerant gas type		R454B	R454B	R454B	R454B	R454B	R454B	R454B

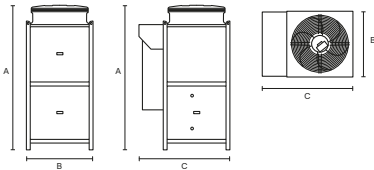
Dimensions

Height (A) ⁽⁷⁾	mm	2.074	2.074	2.074	2.074	2.074	2.074	2.074
Width (B)	mm	952	952	952	952	952	952	952
Depth (C)	mm	1.302	1.302	1.302	2.472	2.472	2.472	2.472
Weight	kg	450	453	455	750	750	780	780

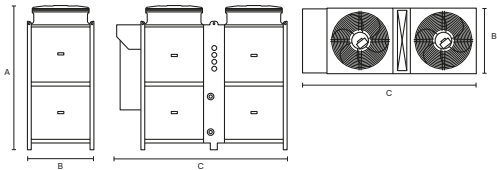
- (1) All data shown in the table in nominal conditions are referring to the operation of the compressor at the inverter frequency of 60 Hz.
- (2) Operating conditions in Heating (A 7/6 W 35):
Dry/wet bulb external air temp. = 7/6 °C, Flow/return water temp. = 35/30 °C (EN14511).
- (3) Operating conditions in Heating (A 7/6 W 55):
Dry/wet bulb external air temp. = 7/6 °C, Flow/return water temp. = 55/47 °C.
- (4) Operating conditions in Cooling (A 35 W 7):
External air temp. = 35 °C, Flow/return water temp. = 7/12 °C (EN14511).

- (5) Sound power level calculated according to ISO EN 3744 with unit operating at rated speed, without any accessories.
- (6) Sound pressure level calculated according to ISO EN 3744. Values obtained from the sound power level, referred to a distance of 10 m from the unit in free field, with directivity factor Q = 2. With specific reference to noise emissions, the manufacturer undertakes to ensure their conformity limited to the declared "Calculated sound power" data, while no sound pressure value is binding, since the environment and the installation characteristics, as well as the operating methods, can alter sound emissions.
- (7) Height without anti-vibration feet.

Aurax Eco i 29.1–38.1–44.1



Aurax Eco i 60.2–74.2–89.2–100.2



Technical data ⁽¹⁾		AE i 140.1	AE i 180.1	AE i 230.2	AE i 290.2
Thermal power range (from 30 Hz = min to 60 Hz = max) ⁽²⁾	kW	44,6–144,8	55,2–183,3	65,8–230,3	74–288,8
Thermal power ⁽²⁾	kW	144,8	183,3	230,3	288,8
Absorbed power ⁽²⁾	kW	35,5	44,5	58,7	72,2
COP ⁽²⁾	W/W	4,08	4,12	3,92	4
Low temperature energy class (35 °C) ⁽²⁾		A++	A++	A++	A++
SCOP low temperature (35 °C) ⁽²⁾	kWh/kWh	3,88	3,92	3,73	3,8
SCOP average temperature (55 °C) ⁽³⁾	kWh/kWh	3,05	3,05	3,02	3,01
Cooling capacity range (from 30 Hz = min to 60 Hz = max) ⁽⁴⁾	kW	37,5–126,1	60,4–163,9	59,1–199,4	62,6–249,3
Cooling capability ⁽⁴⁾	kW	126,1	163,9	199,4	249,3
Absorbed power ⁽⁴⁾	kW	41,4	52,2	65,9	84,7
EER ⁽⁴⁾	W/W	3,05	3,14	3,03	2,94
SEER low temperature (7 °C) ⁽³⁾	kWh/kWh	4,54	4,68	4,51	4,5
Sound power ⁽⁵⁾	dB (A)	79	80	83	85
Sound pressure ⁽⁶⁾	dB (A)	51	52	55	57
Refrigerant gas type		R454B	R454B	R454B	R454B

Dimensions

Height (A) ⁽⁷⁾	mm	2.500	2.500	2.500	2.500
Width (B)	mm	2.150	2.150	2.150	2.150
Depth (C)	mm	1.827	1.827	3.073	3.073
Weight	kg	1.500	1.500	2.170	2.170

- (1) All data shown in the table in nominal conditions are referring to the operation of the compressor at the inverter frequency of 60 Hz.

(2) Operating conditions in Heating (A 7/6 W 35):
Dry/wet bulb external air temp. = 7/6 °C, Flow/return water temp. = 35/30 °C (EN14511).

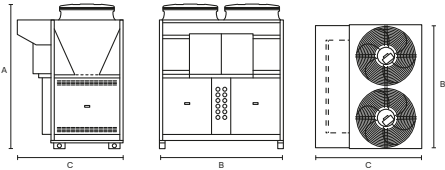
(3) Operating conditions in Heating (A 7/6 W 55):
Dry/wet bulb external air temp. = 7/6 °C, Flow/return water temp. = 55/47 °C.

(4) Operating conditions in Cooling (A 35 W 7):
External air temp. = 35 °C, Flow/return water temp. = 7/12 °C (EN14511).
- (5) Sound power level calculated according to ISO EN 3744 with unit operating at rated speed, without any accessories.

(6) Sound pressure level calculated according to ISO EN 3744. Values obtained from the sound power level, referred to a distance of 10 m from the unit in free field, with directivity factor Q = 2. With specific reference to noise emissions, the manufacturer undertakes to ensure their conformity limited to the declared "Calculated sound power" data, while no sound pressure value is binding, since the environment and the installation characteristics, as well as the operating methods, can alter sound emissions.

(7) Height without anti-vibration feet.

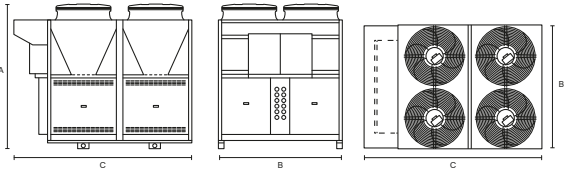
Aurax Eco i 140.1–180.1



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Aurax Eco i 230.2–290.2



AIC Heating UK Limited

Unit 16 Belleknowes Industrial Estate
Inverkeithing
Fife KY11 1HZ

www.myaic.co.uk

AIC Europe B.V.

Graafschap Hornelaan 163A
NL-6001 AC Weert
The Netherlands

www.myaic.eu