



eco friendly

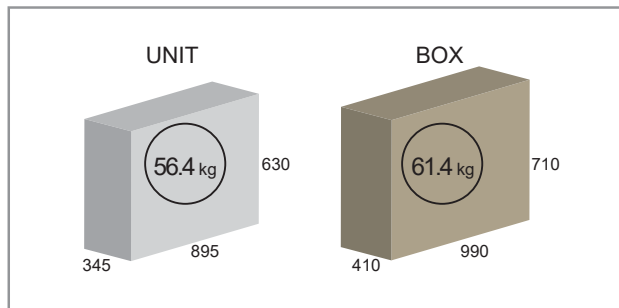
AEI1G50EMX

Multi function, ideal for high efficiency buildings

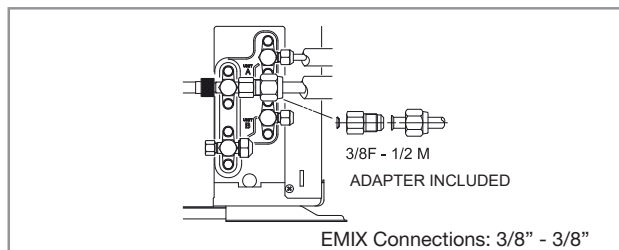
Mono/dual outdoor unit featuring great application flexibility; with AEI1G50emx is possible to connect all the indoor units of the of the air/air iSeries range, and the Hydrokit unit for underfloor heating systems in mono, multi and mixed air/air and air/water configuration. The port dedicated to eMix allows the simultaneous production of domestic hot water up to thermo-dynamic 80°C, with any combination (among those supported) of size A or B indoor units in both cooling and heating mode.

AEI1G50emx offers a range of solutions that go well beyond its mono/dual configuration; just think of a solution with a Hydrokit and a slim ducted SDIA unit, two units which can work at the same time or alternatively, for example to heat with the underfloor heating system and cool and/or de-humidify with the distribution of air through the SDIA unit. Obviously, the eMix or eMix tank module may be added to the two units to produce domestic hot water at the same time during both the heating period and the cooling period.

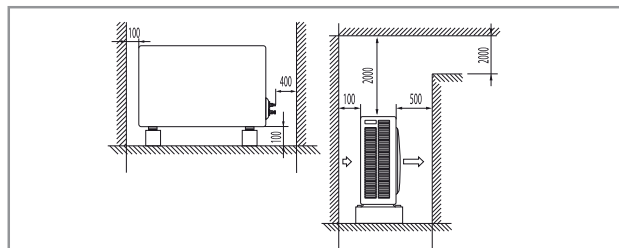
DIMENSIONS (mm)



GAS CONNECTIONS



MINIMUM OPERATION AREA (mm)



EXTENDED RANGE

-32°C | +50°C

UPDATE

FLASH MEMORY

CONNECTION

WEB CONTROL

AIR / AIR

ERP Ecodesign - EN14825

COOLING +35°C	Pdesignc	kW	5,4	A++
	SEER		6,4	
HEATING Average -10°C	Pdesignh	kW	4,3	A+
	SCOP		4,0	

ERP Ecodesign - EN14825 - Part Load

	35°C	30°C	25°C	20°C	12°C	7°C	2°C	-7°C	TOL
kW - kW	5,41	4,04	2,68	1,09	0,80	1,53	2,46	3,93	3,27
EER - COP	3,15	5,23	7,01	9,30	5,91	6,72	3,42	2,91	2,41

COOLING

CAPACITY kW

EER

+35°C UE / 27/19°C UI	Max	5,9	3,15
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HEATING

CAPACITY kW

COP

+12/11°C UE / +20°C UI	Max	6,7	3,86
+7/6°C UE / +20°C UI	Max	6,0	3,35
+2/1°C UE / +20°C UI	Max	3,7	2,57
-7/-8°C UE / +20°C UI	Max	3,9	2,91
-10/-11°C UE / +20°C UI	Max	3,7	2,68

UNI 11300-4 - Full load maximum power

AIR / WATER

AEI1G50EMX+HKBE

EN14511

COOLING +35°C

		Max	Nom
Capacity @ 18/23°C	kW	4,5	3,3
EER @ 18/23°C		3,57	3,61
Capacity @ 7/12°C	kW	3,2	2,5
EER @ 7/12°C		1,97	1,99

ERP Ecodesign - EN14825

LOW - 35°C Average -10°C	Pdesignh	kW	5	A++
	η	%	162	
MEDIUM - 55°C Average -10°C	Pdesignh	kW	n.a.	-
	η	%	n.a.	

ERP Ecodesign - EN14825 - Part Load 35°C

	12°C	7°C	2°C	-7°C	TOL
kW	1,35	1,53	2,36	3,96	2,66
COP	7,44	5,06	4,01	2,79	1,92

DHW/Combi ERP
See Emix

UNI 11300-4 (35°C) - Full load maximum power

	12°C	7°C	2°C	-7°C
kW	5,88	5,30	3,26	3,96
COP	4,75	4,22	3,15	2,79

EN14511

	7°C	-7°C
kW	5,10	3,80
COP	4,40	2,79

MATCHINGS

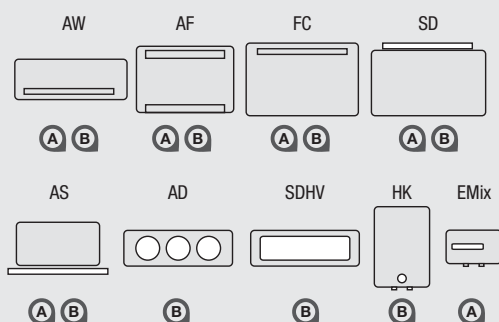
A + A

A + B

● A

● B

● Ideal matching with Emix/Emix Tank



Power supply	V/Ph/Hz	230/1/50-60
Power Input (max.)	W/A	1790 / 7,80
R410A standard refrigerant charge	kg	1,3
Compressor Type		Twin Rotary
Fan speed		Auto
Sound pressure (max.)	dB(A)	41

Liquid Pipe	mm(inch)	6,35 (1/4")
Gas Pipe	mm(inch)	9,52 (3/8")
Total length of pipes (standard load)	m	Dual 15 / Mono 7,5
Total length of pipes (additional load)	m	Dual 30 / Mono 20
Pipe length per unit (standard load)	m	Dual 12
Pipe length per unit (additional load)	m	Dual 25
Maximum height difference (total)	m	10
Maximum height difference (between indoor units)	m	5