

eco
friendly

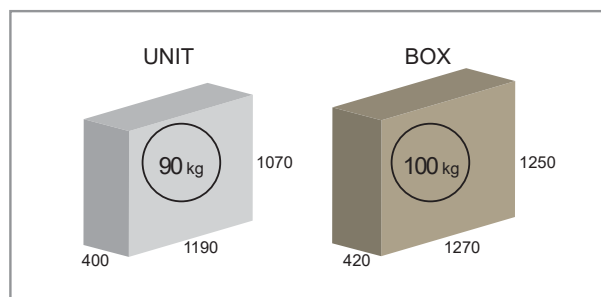


AEI1G110EMX mono and three phases

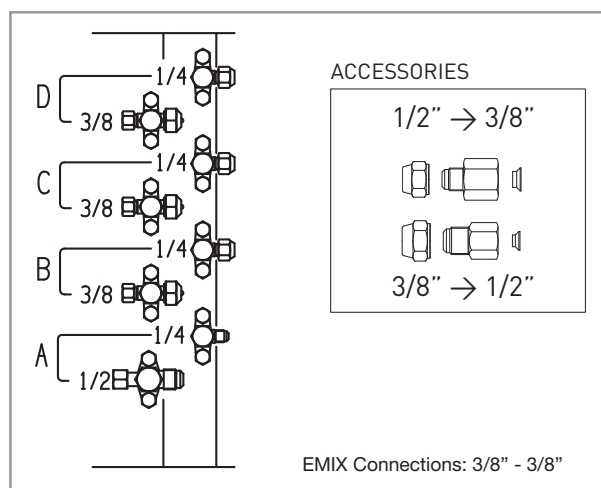
House, offices, big spaces... it's perfect and with DHW

It is the iSeries most powerful outdoor unit currently available; with its thermal 13 kW it perfectly suits the applications for the service sector, where the wide range of indoor units expresses its maximum flexibility. Likewise AEI1G110emx is a great primary heating and air-conditioning solution for moderately sized residential buildings, whether these are large flats or family homes. AEI1G110emx features a compact structure with a single fan in single-phase and three-phase version (during 2015) and offers four ports per indoor unit as well as the eMix port for the production of domestic hot water at the same time as heating and air-conditioning. Mono, dual, tri and quadri split solutions are thus possible by combining all the types and sizes of iSeries indoor units, standard air/air, SDHV type air/air, air/water (hydrokit for underfloor heating/cooling or low temperature radiators).

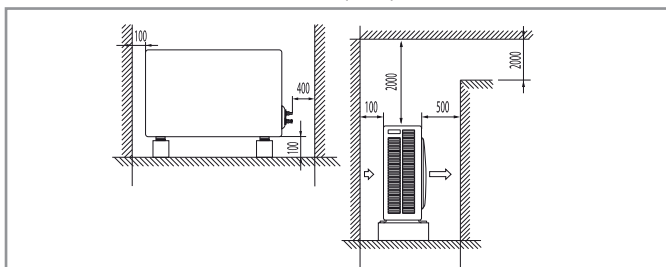
DIMENSIONS (mm)



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	10,6	A++
	SEER		6,6	
HEATING Average -10°C	Pdesignh	kW	9,4	A+
	SCOP		4,1	

ERP Ecodesign - EN14825 - Part Load

	35°C	30°C	25°C	20°C	12°C	7°C	2°C	-7°C	TOL
kW - kW	10,64	7,83	5,09	4,22	3,59	3,37	5,22	8,30	6,01
EER - COP	3,44	5,07	8,07	9,67	7,05	5,54	4,17	2,36	1,85

COOLING

CAPACITY kW

EER

+35°C UE / 27/19°C UI	Max	11,5	3,36
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HEATING

CAPACITY kW

COP

+12/11°C UE / +20°C UI	Max	13,2	3,45
+7/6°C UE / +20°C UI	Max	12,5	3,07
+2/1°C UE / +20°C UI	Max	9,4	2,64
-7/-8°C UE / +20°C UI	Max	8,3	2,36
-10/-11°C UE / +20°C UI	Max	7,5	2,40

UNI 11300-4 - Full load maximum power

AIR / WATER

AEI1G110EMX+HKDE

EN14511

COOLING +35°C

Max

Nom

Capacity @ 18/23°C	kW	10,3	8,75
EER @ 18/23°C		3,39	3,62
Capacity @ 7/12°C	kW	7,1	6,2
EER @ 7/12°C		2,19	2,22

ERP Ecodesign - EN14825

LOW - 35°C Average -10°C	Pdesignh	kW	9	A++
	η	%	163	
MEDIUM - 55°C Average -10°C	Pdesignh	kW	7	A+
	η	%	112	

ERP Ecodesign - EN14825 - Part Load

35°C

55°C

	12°C	7°C	2°C	-7°C	TOL	12°C	7°C	2°C	-7°C	TOL
kW	3,16	3,27	4,70	7,84	5,07	3,06	3,29	3,60	5,85	4,45
COP	7,38	6,25	4,03	2,31	1,40	5,82	4,26	2,78	1,66	1,25

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

EN14511

	12°C	7°C	2°C	-7°C	7°C	-7°C
kW	12,35	11,70	8,16	7,84	10,73	6,30
COP	4,30	4,01	2,59	2,31	4,10	2,70

 DHW/Combi ERP
 See Emix

MATCHINGS

- A + A + A + A
- A + A + A + B
- A + A + B + B
- A + B + B + B
- A + A + A
- A + A + B
- A + B + B
- B + B + B
- B + B
- A + C
- A + B
- B + C
- C
- D

● Ideal matching with Emix/Emix Tank

Power supply	V/Ph/Hz	230/1/50-60 - 400/N3/50
Power Input (max.)	W/A	4400/20 - 5200/10x3
R410A standard refrigerant charge	kg	3.38
Compressor Type		Twin Rotary
Fan speed		Auto
Sound pressure (max.)	dB(A)	48

Liquid Pipe	mm(inch")	6,35 (1/4")
Gas Pipe	mm(inch")	9,52 (3/8") / 12,77 (1/2")
Total length of pipes (standard load)	m	Multi 40 / Mono 30
Total length of pipes (additional load)	m	Multi 65 / Mono 50
Pipe length per unit (standard load)	m	30
Pipe length per unit (additional load)	m	30
Maximum height difference (total)	m	10
Maximum height difference (between indoor units)	m	5

