



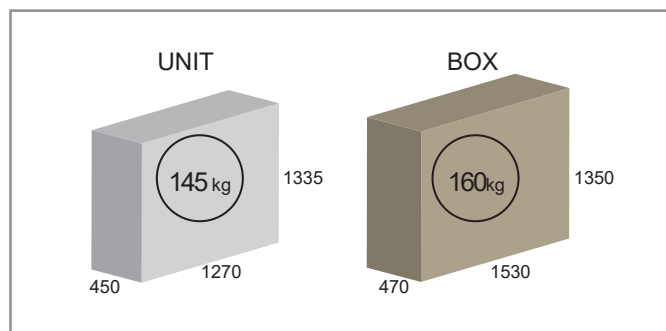
AEI 1G140 PENTA EMX three phases

5 CONNECTIONS + DHW

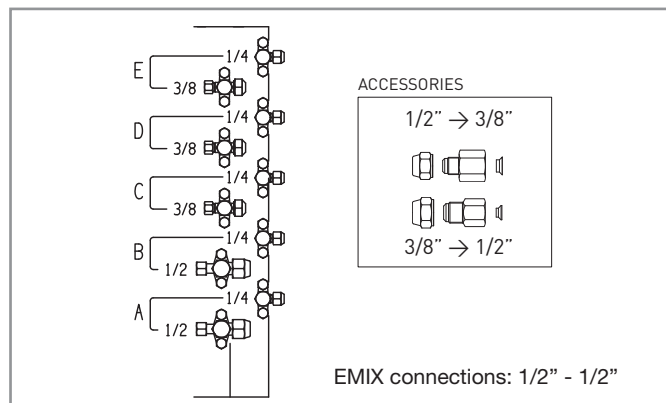
Five connections plus Emix and 16kW of capacity for public spaces, restaurant, offices, bar, house, big apartments and always ready to produce dhw in heat recovery, that means free during the cooling mode.

G140penta was thoughted for multiplit systems in big spaces or up to 8 room, when matched with SDHV indoor units it's pobbile to air conditioning also bathrooms and kitchens, while the mna-tch with the HK hydronic module transform G140penta in a split inverter water heat pump for underfloor or radiators systems, also in mixed configuration with direct expansion units. It can be also a minichiller with fan coils for commercial applications.

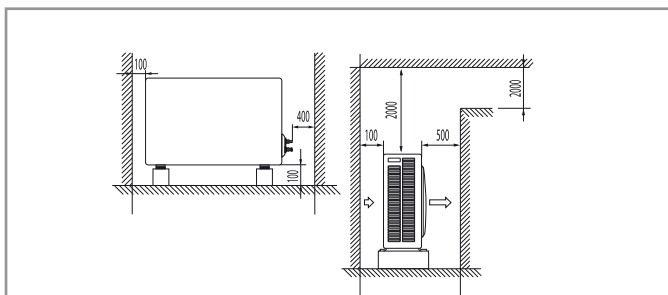
DIMENSIONS (mm)



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	13,6	A
	SEER		5,11	
HEATING Average -10°C	Pdesignh	kW	11,5	A+
	SCOP		4,13	

ERP Ecodesign - EN14825 - Part Load

	35°C	30°C	25°C	20°C	12°C	7°C	2°C	-7°C	TOL
kW - kW	13,65	10,05	6,60	3,44	2,82	4,08	6,17	10,10	6,65
EER - COP	2,60	3,71	6,01	8,57	5,43	5,04	4,25	2,76	1,78

COOLING

CAPACITY kW

EER

+35°C UE / 27/19°C UI	Max	13,7	2,60
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HEATING

CAPACITY kW

COP

+12/11°C UE / +20°C UI	Max	16,3	3,51
+7/6°C UE / +20°C UI	Max	15,5	3,10
+2/1°C UE / +20°C UI	Max	10,9	2,46
-7/-8°C UE / +20°C UI	Max	10,1	2,76
-10/-11°C UE / +20°C UI	Max	8,2	2,29

UNI 11300-4 - Full load maximum power

AIR / WATER

AEI1G140EMX+HKEE

EN14511

COOLING +35°C

Max

Nom

Capacity @ 18/23°C	kW	13,3	9,9
EER @ 18/23°C		2,70	3,61
Capacity @ 7/12°C	kW	9,0	7,5
EER @ 7/12°C		2,15	2,52

ERP Ecodesign - EN14825

LOW - 35°C Average -10°C	Pdesignh	kW	10,9	A++
	η	%	158	
MEDIUM - 55°C Average -10°C	Pdesignh	kW	8,5	A+
	η	%	110	

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	3,81	3,92	5,66	9,43	6,10	3,65	3,99	4,33	7,05	5,35
COP	7,1	6,00	3,79	2,21	1,26	5,61	4,15	2,64	1,54	1,21

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

EN14511

	12°C	7°C	2°C	-7°C	7°C	-7°C
kW	15,24	14,51	9,92	9,43	12,50	8,00
COP	4,12	3,66	2,85	2,21	4,11	2,72

DHW/Combi ERP
See Emix

Dati preliminari alla data di stampa del catalogo

MATCHINGS

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

● Ideal matching with Emix/Emix Tank

Power supply	V/Ph/Hz	400/N3/50
Power Input (max.)	W/A	5200/10x3
R410A standard refrigerant charge	kg	4,4
Compressor Type		Twin Rotary
Fan speed		Auto
Sound pressure (max.)	dB(A)	50
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	40
Total length of pipes (additional load)	m	Multi 100 / 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

