

BIG inverter commercial

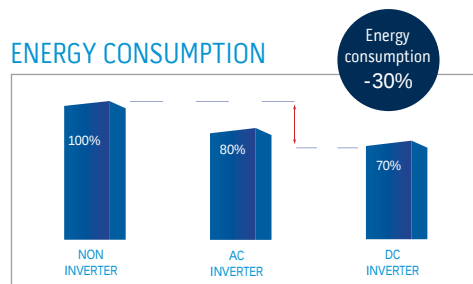
FIXED SINGLE-ROOM AIR CONDITIONER PLUSSES



INVERTER SYSTEM

This technology is designed to constantly adjust motor speed according to the temperature setting. It guarantees a 30% energy saving compared to motors applying traditional technology.

ENERGY CONSUMPTION



WARM SYSTEM

Heat pump air conditioner. Thanks to this function it is possible to replace or supplement traditional heating systems in intermediate seasons.

FEATURES

Two power models: 5.2 kW – 6.2 kW

Combination and installation flexibility: duct, cassette, floor, ceiling

Energy efficiency class in cooling mode: A

Energy efficiency class in heating mode (intermediate climate area): A

Ecologic gas R410A

Multi-function remote control



Warmer climate area



Intermediate climate area



Colder climate area



Duct DC 18 HP - DC 24 HP
1095x295x805 mm



Cassette DC 18 HP N
570x570x260 mm



Cassette DC 24 HP N
840x840x230 mm



Floor DC 18 HP - DC 24 HP
980x660x203 mm - 990x660x203 mm

FUNCTIONS

Ventilation only function

Dehumidification only function

Auto function: adjusts operation parameters based on ambient temperature

TECHNICAL DATA



Model				BIG INVERTER COMMERCIAL DUCT 18 HP	BIG INVERTER COMMERCIAL DUCT 24 HP	BIG INVERTER COMMERCIAL CASSETTE DC 18 HP N	BIG INVERTER COMMERCIAL CASSETTE DC 24 HP N	BIG INVERTER COMMERCIAL FLOOR DC 18 HP N	BIG INVERTER COMMERCIAL FLOOR DC 24 HP N
Code				OS-CEBNH18EI OS-SEDCCH18EI	OS-CEBNH24EI OS-SEDCCH24EI	OS-CEBNH18EI OS-SECNH18EI	OS-CEBNH24EI OS-SECNH24EI	OS-CEBNH18EI OS-SEFNH18EI	OS-CEBNH24EI OS-SEFCH24EI
DESIGN LOADS (EN 14825)	Cooling	Pdesigngc	kW	5,0	6,2	5,0	6,2	5,0	6,2
	Heating /medium	Pdesignh	kW	5,1	6,9	5,1	6,9	5,1	6,9
SEASONAL EFFICIENCY (EN 14825)	Cooling	SEER		5,4	5,4	5,4	5,4	5,4	5,4
	Heating /medium	SCOP (A)		3,4	3,4	3,4	3,4	3,4	3,4
Energy efficiency class in cooling mode				A	A	A	A	A	A
Energy efficiency class in heating mode INTERMEDIATE SEASON				A	A	A	A	A	A
Annual energy consumption in cooling mode			kWh/annum	321	397	321	397	321	397
Annual energy consumption in heating mode INTERMEDIATE SEASON			kWh/annum	2085	2792	2085	2792	2085	2792
Output power in cooling mode (min / nominal / max)			kW	1,59 / 4,98 / 5,65	1,59 / 6,16 / 7,35	1,59 / 4,98 / 5,65	1,59 / 6,16 / 7,35	1,59 / 4,98 / 5,65	1,59 / 6,16 / 7,35
Output power in heating mode (min/ rated / max)			kW	1,45 / 5,28 / 6,15	1,7 / 7,03 / 9,1	1,45 / 5,28 / 6,15	1,7 / 7,03 / 9,1	1,45 / 5,28 / 6,15	1,7 / 7,03 / 9,1
Power supply voltage			V-F-Hz	220/240 - 1 - 50	220/240 - 1 - 50	220/240 - 1 - 50	220/240 - 1 - 50	220/240 - 1 - 50	220/240 - 1 - 50
Minimum/maximum power supply voltage			V	198 / 254	198 / 254	198 / 254	198 / 254	198 / 254	198 / 254
Maximum absorbed power in cooling mode (1)			W	2800	2900	2800	2900	2800	2900
Maximum absorbed power in heating mode (1)			W	2800	2900	2800	2900	2800	2900
Maximum absorption in cooling mode (1)			A	12,7	13	12,7	13	12,7	13
Maximum absorption in heating mode (1)			A	12,7	13	12,7	13	12,7	13
Absorbed power in cooling mode (min-nom-max) (1)			kW	0,6/1,5/2,1	0,9/1,9/2,5	0,6/1,5/2,1	0,9/1,9/2,5	0,6/1,5/2,1	0,9/1,9/2,5
Absorbed power in heating mode (min-nom-max) (1)			kW	0,8/1,5/2,2	1,1/1,9/2,5	0,8/1,5/2,2	1,1/1,9/2,5	0,8/1,5/2,2	1,1/1,9/2,5
INDOOR UNIT	Sound power (EN 12102)		LWA	dB(A)	60	65	55	61	56
	Sound pressure (min-max)			dB(A)	38/45	42/49	38/42	38/42	38/43
	Air flow rate in cooling mode (max/med/min)			m³/h	1020 / 870 / 700	1275 / 1170 / 1030	800 / 710 / 560	1220 / 1010 / 820	800 / 600 / 500
	Air flow rate in heating mode (max/med/min)			m³/h	1020 / 870 / 700	1275 / 1170 / 1030	800 / 710 / 560	1220 / 1010 / 820	800 / 600 / 500
	Ventilation speed				3	3	3	3	3
	Degree of protection				IPX1	IPX1	IPX1	IPX1	IPX1
	Weight (without packaging)			Kg	38	38	18	25,5	26
OUTDOOR UNIT	Sound power (EN 12102)		LWA	dB(A)	62	66	62	66	62
	Sound pressure			dB(A)	2570	2700	2570	2700	2700
	Air flow rate (max)			m³/h	2,0	2,0	2,0	2,0	2,0
	Ventilation speed				IP24	IP24	IP24	IP24	IP24
	Dimensions (Width x H x Depth)			mm	761 x 593 x 279	842 x 695 x 324	761 x 593 x 279	842 x 695 x 324	761 x 593 x 279
	Weight (without packaging)			Kg	40,00	53,00	40,00	53,00	40,00
	Dehumidification rate			l/h	1,8	2,4	1,8	2,4	1,8
Maximum pipe length			m	25,00	25,00	25,00	25,00	25,00	
maximum height difference			m	12,0	12,0	12,0	12,0	12,0	
Maximum operating pressure			MPa	4,20	4,20	4,20	4,20	4,20	4,20
Refrigerant gas			Tipo-Type	R-410A	R-410A	R-410A	R-410A	R-410A	R-410A
Overall heating potential			GWP	kgCO2 eq.	1975	1975	1975	1975	1975
Refrigerant gas charge			Kg	1,3	2,1	1,3	2,1	1,3	2,1

OPERATING LIMITS

INDOOR AMBIENT TEMPERATURE	Maximum operating temperature in cooling mode		DB 32°C - WB 23°C
	Minimum operating temperature in cooling mode		DB 17°C - WB 14°C
	Maximum operating temperature in heating mode*		DB 27°C
	Minimum operating temperature in heating mode*		-
OUTDOOR AMBIENT TEMPERATURE	Maximum operating temperature in cooling mode		DB 43°C - WB 32°C
	Minimum operating temperature in cooling mode		DB 15°C
	Maximum operating temperature in heating mode*		DB 24°C - WB 18°C
	Minimum operating temperature in heating mode*		DB -15°C

(1) TEST CONDITIONS: data refer to regulation EN14511