



Big Inverter Commercial



Duct DC18HP - DC24HP
OS-C/SEDCH18EI
OS-C/SEDCH24EI



Cassette DC 18 HP Compact
OS-C/ SECCH18EI



Cassette DC 24 HP
OS-C/SECCH24EI

Floor Ceiling
OS-C/SEFCH18EI
OS-C/SEFCH24EI



Monosplit

Ducted climate control units with single indoor unit resolves most of the problem involved when there is limited space available. Available in the Monosplit version with Inverter technology, these units are able to modulate the power, which translates into energy savings.

Accessories

- Plenum air delivery standard on mod. 18EI and 24EI.
- Condensate discharge to the right and left.
- Gas hose connections and electrical control panel on the same side.
- Reduced depth of indoor unit mod. 12EI=225 mm; 18EI and 24EI=300 mm.
- Air intake filter, optional.
- Air intake at back and side.

Low power consumption

When the unit is turned on, the inverters develop such power that the set temperature is reached very quickly. Once the desired temperature has been reached, the inverter maintains it, reducing power absorption to the barest minimum.

Wired and remote controls

The indoor unit operates with a wired control used to manage the entire climate control system. The controls can also be operated by an infrared remote control offered as an optional.

The cool air reaches all quarters

Specific for large spaces in business and professional facilities. To achieve this, it needs to be very powerful. And Big Inverter Commercial unleashes its power in two versions: 18 btu and 24 btu, for even larger areas. This power comes with efficiency, reliability and low impact. And all with exemplary silence.

Silence

The capillary refrigeration circuit is located on the outdoor unit. This makes the indoor unit very quiet and suitable for office, shop and residential applications.

Choice of the type of indoor unit

Besides serving several rooms with a single system, hooking up from two to four indoor units to the same outdoor unit, Multiflexi Inverter also lets you choose what indoor unit to set in the various rooms according to the space available and the position selected: the classic wall split model that is normally wall-mounted but which can also be ceiling-mounted, the Duct unit which comes in two versions, or the Four Way Cassette Compact.

Outdoor unit



Big Inverter Commercial

DUCT DC 18 HP

DUCT DC 24 HP

CASSETTE DC 18 HP

CASSETTE DC 24 HP

OS-C/SEDCH18EI

OS-C/SEDCH24EI

OS-C/SECCH18EI

OS-C/SECCH24EI

		OS-C/SEDCH18EI	OS-C/SEDCH24EI	OS-C/SECCH18EI	OS-C/SECCH24EI
Cooling capacity (1)	kW (min-nom-max)	1,78 / 4,98 / 5,9	1,59 / 6,16 / 7,1	1,59 / 4,98 / 5,65	1,59 / 6,16 / 6,87
Heating capacity (2)	kW (min-nom-max)	1,55 / 5,28 / 6,3	1,70 / 7,03 / 8,1	1,45 / 5,28 / 6,15	1,70 / 7,03 / 7,69
Power absorption in cooling mode (1)	W (min-nom-max)	660 / 1522 / 2080	980 / 1917 / 2510	560 / 1522 / 1980	980 / 1917 / 2480
Power absorption in heating mode (2)	W (min-nom-max)	760 / 1461 / 2190	1050 / 1948 / 2540	720 / 1461 / 2030	1050 / 1948 / 2510
Nominal absorption in cooling mode (1)	A (min-nom-max)	2,9 / 6,6 / 8,7	4,26 / 8,3 / 11,0	2,5 / 6,7 / 8,7	4,26 / 8,3 / 10,9
Nominal absorption in heating mode (2)	A (min-nom-max)	3,4 / 6,4 / 8,9	4,56 / 8,5 / 11,2	3,2 / 6,4 / 8,9	4,56 / 8,5 / 11,1
Yearly energy consumption in cooling mode (1)	kWh	761,0	959	761,0	959
Dehumidification capacity	l/h	1,80	2,40	1,80	2,40
Power supply	V - F - Hz	230 - 1 - 50	230 - 1 - 50	230 - 1 - 50	230 - 1 - 50
Power supply min/max	V	207/253	207/253	207/253	207/253
Power absorption in cooling mode (3)	W	2.500	2.700	2.500	2.700
Power absorption in heating mode (4)	W	2.500	2.700	2.500	2.700
Maximum absorption in cooling mode (3)	A	10,0	11,1	10,0	11,1
Maximum absorption in heating mode (4)	A	10,0	11,1	10,0	11,1
Protection level (outdoor unit /indoor unit)	-	IP24/IPX2	IP24/IPX1	IP24/IPX1	IP24/IPX1
Maximum operating pressure	MPa	5,2	4,2	4,2	4,2
E.E.R.	-	3,27	3,21	3,27	3,21
C.O.P.	-	3,61	3,61	3,61	3,61
Energy efficiency class in cooling mode	-	A	A	A	A
Energy efficiency class in heating mode	-	A	A	A	A
Indoor unit:					
Air volume in cooling mode (max/med/min)	m ³ /h	1.020 / 870 / 700	1.275 / 1.170 / 1.030	800 / 700 / 600	920 / 770 / 675
Air volume in heating mode (max/med/min)	m ³ /h	1.020 / 870 / 700	1.275 / 1.170 / 1.030	800 / 700 / 600	920 / 770 / 675
Dimensions (W x H x D)	mm	1.095 x 295 x 805	1.095 x 295 x 805	840 x 840 x 240	840 x 840 x 240
Sound level (sound pressure*/sound power**)	db(A) min - max	45 / 41 / 38	49 / 45 / 42	43 / 41 / 38	43 / 41 / 38
Weight (without packing)	Kg	38,0	38,0	38,0	38,0
Outdoor unit:					
Dimensions (W x H x D)	mm	880 x 707 x 340	903 x 860 x 330	880 x 707 x 340	930 x 860 x 330
Air volume (max)	m ³ /h	2.400	3.000	2.400	3.000
Sound level (sound pressure*/sound power**)	db(A)	56	55	56	55
Weight (without packing)	Kg	62,5	72,0	62,5	55,0
Fan speed (indoor unit/outdoor unit)	-	3 / 1	3 / 1	3 / 1	3 / 1
ø Connecting pipe (liquid)	inch - mm	1/4 / 6,35	3/8 / 9,52	1/4 / 6,35	3/8 / 9,52
ø Connecting pipe (gas)	inch - mm	1/2 / 12,7	16	1/2 / 12,7	16
Max connecting length	m	25	30	25	30
Max height difference	m	15	15	15	15
Refrigerant gas/load	Kind/kg	R410A / 1,7	R410A / 2,2	R410A / 1,7	R410A / 2,2
Additional gas (over 8 mt length)	g/m	30	30	30	30
Power cable (N° pole x section mmq)	-	3 x 2.5	3 x 2.5	3 x 2.5	3 x 2.5
Connecting cable (N° pole x section mmq)	-	3 x 1.0	3 x 1.0	3 x 1.0	3 x 1.0
Maximum remote control range (distance/angle)	m/°	8 m / 45°	8 / 45°	8 m / 45°	8 m / 45°
Fuse	-	16A	16A	16A	16A
Conformity labelling	-	CE	CE	CE	CE

Big Inverter Commercial

		Floor DC 18 HP	Floor DC 24 HP
		OS-C/SEFCH18EI	OS-C/SEFCH24EI
Cooling capacity (1)	kW (min-nom-max)	1,63 / 4,98 / 5,65	1,59 / 6,16 / 6,87
Heating capacity (2)	kW (min-nom-max)	1,45 / 5,28 / 6,15	1,70 / 7,03 / 7,69
Power absorption in cooling mode (1)	W (min-nom-max)	560 / 1522 / 1980	980 / 1917 / 2480
Power absorption in heating mode (2)	W (min-nom-max)	720 / 1461 / 2030	1050 / 1948 / 2510
Nominal absorption in cooling mode (1)	A (min-nom-max)	2,5 / 6,6 / 8,7	4,26 / 8,3 / 10,9
Nominal absorption in heating mode (2)	A (min-nom-max)	3,2 / 6,4 / 8,9	4,56 / 8,5 / 11,1
Yearly energy consumption in cooling mode (1)	kWh	761,0	959
Dehumidification capacity	l/h	1,80	2,40
Power supply	V - F - Hz	230 - 1 - 50	230 - 1 - 50
Power supply min/max	V	207 / 253	207 / 253
Maximum absorption in cooling mode (3)	A	10,0	11,1
Maximum absorption in heating mode (4)	A	10,0	11,1
Protection level (outdoor unit /indoor unit)	-	IP24/IPX2	IP24/IPX1
Maximum operating pressure MPa 5,2 4,2	MPa	5,2	4,2
E.E.R.	-	3,27	3,21
C.O.P.	-	3,61	3,61
Energy efficiency class in cooling mode	-	A	A
Energy efficiency class in heating mode	-	A	A
Indoor unit:			
Air volume in cooling mode (max/med/min)	m ³ /h	910 / 810 / 700	910 / 810 / 700
Air volume in heating mode (max/med/min)	m ³ /h	910 / 810 / 700	920 / 770 / 675
Dimensions	mm	980 x 660 x 203	980 x 660 x 203
Sound level (sound pressure*/sound power**)	db(A) min - max	43 / 41 / 38	43 / 41 / 38
Weight (without packing)	Kg	29,0	29,0
Outdoor unit:			
Dimensions	mm	880 x 707 x 340	903 x 860 x 330
Air volume (max) m ³ /h 2.400 3.000	m ³ /h	2.400	3.000
Sound level (sound pressure*/sound power**)	db(A)	56	55
Weight (without packing)	Kg	62,5	55,0
Technical specifications:			
Fan speed (indoor unit/outdoor unit)	-	3 / 1	3 / 1
ø Connecting pipe (liquid)	inch - mm	1/4 / 6,35	1/4 / 6,35
ø Connecting pipe (gas)	inch - mm	1/2 / 12,7	16
Max connecting length	m	25	30
Max height difference	m	15	15
Refrigerant gas/load	Kind/kg	R410A / 1,7	R410A / 2,2
Additional gas (over 8 mt length)	g/m	11	30
Power cable (N° pole x section mmq)	-	3 x 2.5	3 x 2.5
Connecting cable (N° pole x section mmq)	-	3 x 1.0	3 x 1.0
Maximum remote control range (distance/angle)	m/°	8 m / 45°	8 / 45°
Fuse	-	16A	16A
Conformity labelling	-	CE	CE

OPERATING TEMPERATURES	Indoor temperature	Outdoor temperature
Maximum temp. cooling mode	DB 32°C - WB 24°C	DB 43°C
Minimum temp. cooling mode	DB 17°C - WB 14°C	DB 15°C
Maximum temp. heating mode	DB 27°C	DB 15°C
Minimum temp. heating mode	DB 17°C	DB -15°C
TESTING CONDITIONS	Indoor temperature	Outdoor temperature
(1) Test conditions for cooling capacity	DB 27°C - WB 19°C	DB 35°C - WB 24°C
(2) Test conditions for heating capacity	DB 20°C - WB 15°C	DB 7°C - WB 6°C
(3) High cooling load test conditions	DB 32°C - WB 24°C	DB 43°C - WB 32°C
(4) High heating load test conditions	DB 25°C	DB 20°C - WB 17°C

The technical data are referred to EN 14511.

HP = heat pump - HE = high efficiency (energy saving / high performance)

*The sound **pressure** was measured in a semi-anechoic chamber at one meter from the front panel of the unit and the microphone set at a height of one meter off the floor.

The **power of the sound was measured according to the norm ISO 3741.