

DXCBZ

Heat pump

DXCZ

Cooling only

FTBZ



Split configuration
OU axial | IU low silhouette

Maximum flexibility for climate-control via ducts

Sets comprising an axial condenser unit (outdoor unit) and a low-silhouette direct expansion fan-coil evaporator unit (indoor unit).

MAIN FEATURES

- Maximum cooling capacities ranging from 13.5 to 18.6 kW
- Scroll compressor
- Outdoor units with coils pre-treated with standard blue fin
- Indoor 3-speed fan
- R407C refrigerant
- The standard unit is supplied with flare valves and base refrigerant load

AVAILABLE VERSIONS

- Heat pump
- Cooling only

ADVANTAGES

- With continuous outdoor air intake to renew the air (Comfort Compatible)
- The maximum connection distance between indoor unit and outdoor unit is 50 metres
- Quick-connect valves with preload of refrigerant gas for 5 metres
- The reduced height of the indoor units make them ideal for fast installation in false ceilings, with the unit either supported or suspended

APPLICATIONS

- Designed to be installed inside the building to be air-conditioned, they are characterised by offering great flexibility in the installation
- Climate-control for industrial applications, industrial plans and the services sector

REGULATION

Control as standard: **TH TUNE** Optional control: **PGD** Optional control: **MINI PGD**



See regulation and control on page 22.

DXCBZ / FTBZ SERIES Split configuration / Outdoor and indoor unit

OUTDOOR UNIT		451	501	701	721
INDOOR UNIT		451	501	721	721
Nominal cooling capacity (1)	kW	13.5	14.8	16.8	18.6
Nominal heating capacity (2)	kW	14.0	15.3	19.8	20.7
Total power input, cooling (1)	kW	5.4	5.7	7.3	7.8
Total power input, heating (2)	kW	4.9	5.0	6.7	7.5
EER/ COP	kW	2.5 / 2.86	2.6 / 3.06	2.30 / 2.96	2.38 / 2.76
Power supply (50 Hz ~)	V	400.3 + N	400.3 + N	400.3 + N	400.3 + N
(3) Gas charge (including 5 m line)	kg	3.9	4	5.7	6.4
Airflow - static pressure (ext.)	m ³ /h - Pa	6,012-0	6,012-0	5,998-0	5,998-0
Airflow - static pressure (int.)	m ³ /h - Pa	2,500-76	2,500 - 76	3,000 - 105	3,000 - 105
Liquid pipe diameter (*)	Ø (")	1/2	1/2	1/2	1/2
Gas pipe diameter (*)	Ø (")	7/8	7/8	7/8	7/8
Outdoor unit dimensions (length x width x height) DXCBZ	mm	950 x 374 x 1.143	950 x 374 x 1.143	950 x 374 x 1.143	1,035 x 424 x 1.335
Indoor unit dimensions (length x width x height) FTBZ	mm	1,250 x 750 x 315	1,250 x 750 x 315	1,250 x 805 x 369	1,250 x 805 x 369
Maximum total distance between indoor/outdoor unit (4)	m	50	50	50	50
Maximum vertical distance between indoor/outdoor unit (4)	m	25	25	25	25
Outdoor unit net weight	kg	109	109	120	125
Indoor unit net weight	kg	61	61	80	80

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Total power input (1)	kW	5.4	5.7	7.3	7.8
EER	kW	2.5	2.6	2.30	2.38
Power supply (50 Hz ~)	V	400.3 + N	400.3 + N	400.3 + N	400.3 + N
(3) Gas charge (including 5 m line)	kg	3.8	3.9	5.3	6
Airflow - static pressure (ext.)	m ³ /h - Pa	6,012-0	6,012-0	5,998-0	5,998-0
Airflow - static pressure (int.)	m ³ /h - Pa	2,500-76	2,500 - 76	3,000 - 105	3,000 - 105
Liquid pipe diameter (*)	Ø (")	1/2	1/2	1/2	1/2
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Maximum total distance between indoor/outdoor unit (4)	m	50	50	50	50
Maximum vertical distance between indoor/outdoor unit (4)	m	25	25	25	25
Outdoor unit net weight	kg	101	101	115	120
Indoor unit net weight	kg	61	61	80	80

(1) Nominal cooling conditions. Indoor dry temperature: 27°C. Indoor wet temperature: 19°C. Outdoor temperature: 35°C.

(2) Nominal pumping conditions. Outdoor dry temperature: 7°C. Outdoor wet temperature: 6°C.

(3) Only units which include, as standard, "Flare" valves (not as optional) are charged with refrigerant; others come pre-charged with dry nitrogen.

(4) Check requirements for installing oil separator, according to distance and specific layout.

Voltage for indoor unit 230.1.50 Hz.

(*) For sizing of refrigerated lines depending on layout and total installation distance consult our Commercial Department.

AVAILABLE OPTIONAL FEATURES

ENERGY SAVING

- Condensation control by frequency converter or voltage converter

AIR QUALITY

- Gravimetric filter in return G4

NOISE LEVEL

- Double thermo-acoustic insulation
- Compressor acoustic insulation

UNIT INSTALLATION

- Indoor unit equipment and accessories painted in RAL 1013 polyester powder coating
- Connections on rear, outdoor unit
- Magneto-thermal switches in the electrical panel
- Power supply at 60 Hz (depending on models)
- Option of manufacturing units with symmetric configuration
- Anti-freeze trace heater for condensate
- Hot gas bypass
- Discharge plenum and return
- Grille discharge plenum and return
- 3 and 5 outlet nozzle plenum
- Condensation evacuation pump
- Heating coils for hot water
- Auxiliary electric heater
- Anti-corrosion treated coils
- Anti-corrosion treatment in piping with galval-type coating
- Prepared for disassembly
- Fireproof filter class M1
- Thermal insulation Euroclass A1 (M0)
- Oil separator
- Without refrigerant or flare valves

MAINTENANCE

- Service valves
- External pressure taps
- Detector of dirty filters
- Split filter

REGULATION AND CONTROL

- PGD and Mini PGD thermostat
- Alarm signalling
- Smoke detection
- Remote run/stop
- Separate electrical panel
- Option for master-slave operation
- Unit without thermostat
- Ambient temperature or wall-mounted sensor
- Return temperature sensor in duct
- Operation for redundant machine
- Centralised comprehensive management operation
- Operation without neutral
- Scheduling function and ModBus connection, etc. (refer to the Thermostats chapter)

As well as these options, please check with our Commercial Department for any other configuration or function not described as available.