



Jupiter

Comms Room Air Conditioning





JUPITER RANGE

Jupiter Comms Room air conditioning units are designed for the smaller environment in which high-tech equipment is the predominant heat source: rooms in which standard office cooling units may not be appropriate.

A versatile range offering flexible solutions able to easily cope with specific design and installation requirements.

Compact yet easy to service and maintain, Jupiter can be installed in niches and between other equipment, in spaces not normally usable by cooling units.

PRINCIPAL CHARACTERISTICS

Air conditioning units characterised by high reliability and low energy consumption;
Front access only required for total unit maintenance;

Choice of microprocessor control systems for either local or remote control management;

Downflow and upflow versions:

Scroll compressors (not chilled water versions);
Small footprint: unit depth of 450mm for the whole range;

Inner and outer door panels providing security, continual operation during maintenance and reduced noise levels.

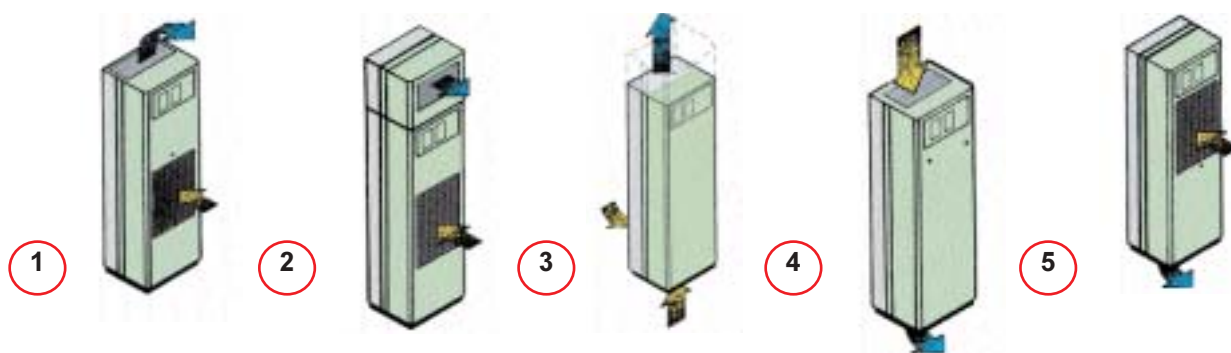
OPTIONS

The Jupiter range offers a wide variety of useful options including:

Electric reheat; Enhanced electric reheat; Hot water reheat; 150 Pa ESP (External Static Pressure) available with high head pressure centrifugal fans; Condensate drain pump; Electrode boiler humidifier; Humidifier with cleanable electrodes; Air filter installed inside the unit up to EU5 efficiency; Fresh air module; Microprocessor control, large screen display; Microprocessor control, standard display; Upflow version available with air suction from the front, the rear or the base; LAN card for run/standby operation; Water flood detection



CONFIGURATIONS



- 1 Upflow front return, top discharge
- 2 Upflow front return, plenum discharge
- 3 Upflow, rear or base return
- 4 Downflow, top return
- 5 Downflow, front return

VERSIONS

CHILLED WATER (5kW-22kW)

Jupiter chilled water units are designed to maximise the cooling available from a remote chiller system. Carefully engineered cooling coils with large surface areas ensure that sensible cooling ratios are exceptionally high, reducing the possibility of costly dehumidification effects.

Fitted with a choice of three or two port modulating control valves, accurate and reliable temperature control is always assured.

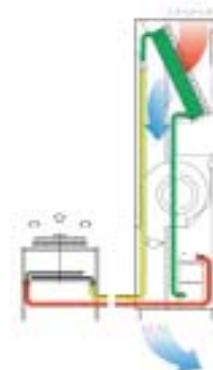


AIR COOLED DX (5kW-19kW)

The system integrity associated with stand-alone DX air cooled units is one of the many advantages of this particular range.

The latest in Scroll compressor technology ensures that Jupiter Air Cooled DX systems are among the quietest and most reliable available.

Matched to a range of remote air cooled condensers, either horizontal or vertical discharge, a variety of solutions are available including high pressure fans for ducted type applications.



WATER COOLED DX (5kW-19kW)

Fitted with condenser water plate heat exchanger(s), each unit is designed to work in conjunction with a remote dry cooler or tower cooling system.

Available in all upflow and downflow configurations, the range of Water Cooled DX units provides a useful alternative to Air Cooled DX systems without limitation on the distance to the externally mounted unit.

Use of the appropriate microprocessor control system allows up to 10 units to be group controlled- optimising temperature control while allowing rotation of duty and standby units.





JUPITER Chilled Water Units - Downflow JDCC or Upflow JUCC

MODEL		0020B	0025B	0030B	0040B	0060B	0060A
Cooling capacity	kW	7.5	9.6	10.7	13.6	22.1	22.1
Height	mm	1740	1740	1740	1740	1740	1740
Width	mm	550	700	850	850	1200	1200
Depth	mm	450	450	450	450	450	450
Weight	kg	100	115	150	155	220	220

JUPITER Air Cooled DX Units - Downflow JDAC / Upflow JUAC

MODEL		0115B	0125B	0133A	0135A	0150A	0160A
Cooling capacity	kW	6	8	9.7	12.7	16.1	18.8
Compressors	n°	1	1	1	1	1	1
Circuits	n°	1	1	1	1	1	1
Height	mm	1740	1740	1740	1740	1740	1740
Width	mm	550	550	700	850	1200	1200
Depth	mm	450	450	450	450	450	450
Weight	kg	130	130	150	185	260	260
Remote Air	n°x	1xCAL	1xCAL	1xCAL	1xCAL	1xCAL	1xCAL
Cooled Condenser	model	0251	0251	0331	0361	0511	0661

JUPITER Water Cooled DX Units -Downflow JDWC or Upflow JUWC

MODEL		0115B	0125B	0133A	0135A	0150A	0160A
Cooling capacity	kW	6	8	9.7	12.7	16.2	18.9
Compressors	n°	1	1	1	1	1	1
Circuits	n°	1	1	1	1	1	1
Height	mm	1740	1740	1740	1740	1740	1740
Width	mm	550	550	700	850	1200	1200
Depth	mm	450	450	450	450	450	450
Weight	kg	135	135	155	190	270	270

All data based on 24°C / 50% rh, ESP = 20Pa,

DX units: Condensing temperature = 48°C, Refrigerant = R407C

CW units: Chilled water temperature 7°C / 12°C, 0% glycol.

Suffix "A" denotes 400/3/50 power supply

Suffix "B" denotes 230/1/50 power supply



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Date 0802

Supersedes None

Stocking Location UK

Trane

An American Standard Company

www.trane.com

For more information contact
your local sales office

Since Trane has a policy of continuous product improvement,it reserves the right to change design and specifications without notice.

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