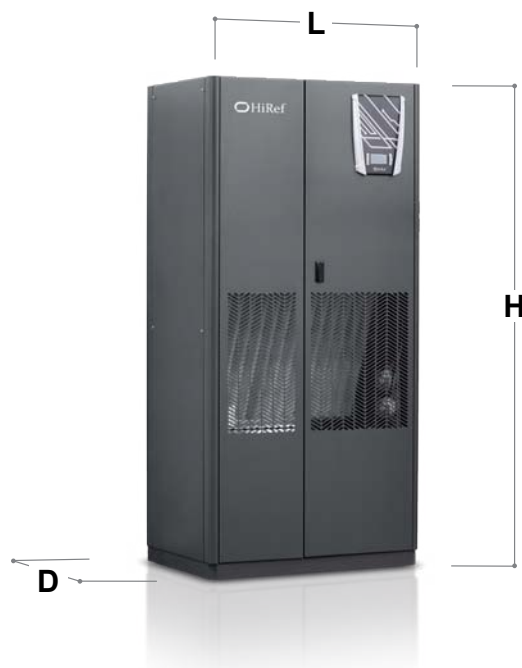


# JREF DX

## AIR CONDITIONERS FOR DATA CENTERS WITH DIRECT EXPANSION



		0060	0080	0100	0110	0130	0160	0190	0205	0212
Inlet air 24°C - 50% r.h.; Condensing temperature 45°C										
Total cooling capacity	kW	6.9	8.4	11.0	12.1	14.4	17.7	20.8	22.8	23.1
SHR	-	1.0	1.0	1.0	1.0	0.9	1.0	0.9	0.9	0.9
Refrigeration cycle EER	-	4.4	4.5	4.2	4.1	3.9	4.7	4.5	4.2	3.9
Inlet air 30°C - 35% r.h.; Condensing temperature 45°C										
Total cooling capacity	kW	7.6	9.3	12.4	13.7	15.7	20.2	23.3	24.9	25.3
SHR	-	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Refrigeration cycle EER	-	4.8	5.0	4.8	4.8	4.2	5.3	5.1	4.6	4.4
Air flow rate	m³/h	1785	2150	3530	3530	3700	5100	5100	5100	5100
Total absorbed power	kW	1.7	2.0	2.9	3.2	4.1	4.7	5.4	6.2	6.7
Total absorbed current	A	2.7	3.3	4.7	5.2	6.6	7.5	8.7	10.0	10.8
Dimensions [ L x H x D ]	mm	600x1875x600			900x1875x600					

Also available with 60 Hz power supply



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ITALIAN  
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SOLUTIONS



## AIR CONDITIONERS FOR DATA CENTERS WITH DIRECT EXPANSION

# JREF DX



7 - 25 kW





# JREF DX

## AIR CONDITIONERS FOR DATA CENTERS

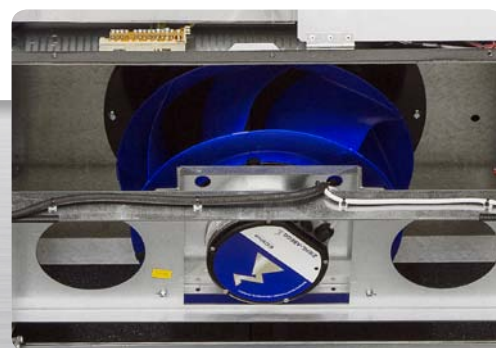
### WITH DIRECT EXPANSION

#### FINNED PACK EXCHANGER WITH HYDROPHILIC TREATMENT



All models in the **JREF DX** range feature heat exchange coils with **hydrophilic coating**. This special coating - together with an adequate adjustment of air through-flow speeds - helps condensate collection during the dehumidification process, avoiding dripping on the inside and outside of the unit.

#### VENTILATION EC 2.0



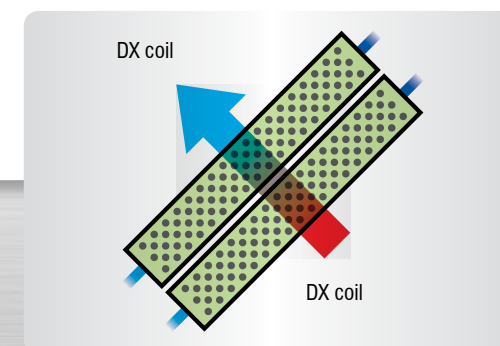
The use of standard-equipment **EC fans** across the whole range - designed to adjust the air flow according to the thermal load - allows an efficient use of the electricity for ventilation purposes, with a positive impact on the system PUE.

#### VERSATILE & FLEXIBLE RANGE

Thanks to different refrigerating configurations available, the **JREF DX** range is suitable for a number of applications in the field of Data Center air conditioning. The direct expansion versions are sub-divided into the following types:

- JREF A** Air condensed units with remote condenser
- JREF Z** Mains water condensed units (15°C) with on board plate condenser
- JREF W** Dry-Cooler water condensed unit with on board plate condenser.

#### MAXIMISED REDUNDANCY AVAILABLE



If continuous unit operation is required for protection against faults, the **JREF DX** range is also available in a **dual refrigeration circuit** design - allowing for server room refrigeration even in the event of either circuit failure.

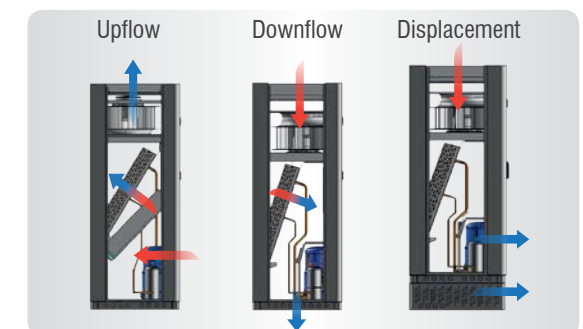
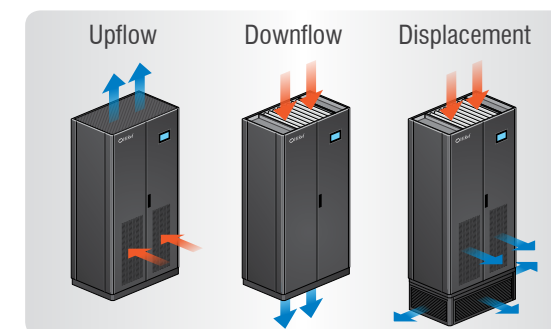
The **JREF DX** series perimeter mounted units are direct expansion units designed to be installed in small/medium-sized premises such as server rooms and labs or for applications where accurate control of thermo-hygrometric parameters and round-the-clock operation are required. The top priority for internal design and for the choice of components is energy efficiency - to optimise the system overall electricity consumption with a positive impact on the Data Center PUE (*Power Usage Effectiveness*).

#### SCHEDULED MAINTENANCE MADE EASIER

The unit has been painstakingly designed to ensure **front access** to components even with the unit running. These aspects make routine maintenance easier in full compliance with safety standards.



#### DIFFERENT CONFIGURATIONS OF THE AIR FLOW



- » Refrigerant R410A. Also available with R134a and R513a
- » Also available in A2L and A2L Ready versions
- » Double panelling (front doors only or full panelling on request)
- » Compressor enclosure separated from the air flow to prevent refrigerating capacity loss
- » Stainless steel condensate drain pan
- » Dehumidification function
- » Post-heating systems:
  - with electrical heating elements
  - with hot gas coil
  - with hot water coil

