



Axil In-row Air Conditioner

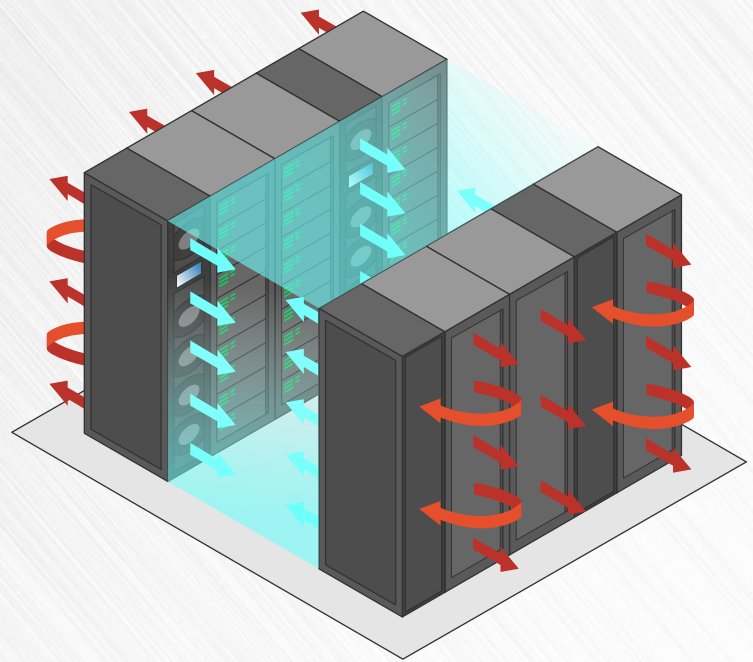
Precision Cooling Solution



DYNAMIC EFFICIENCY

**30%
ENERGY
SAVING**

The Axil In-row Air Conditioning unit delivers efficient, compact, and effective cooling. It provides real-time temperature monitoring, precise cooling close to the server's heat source, and humidity control, ensuring optimal operation. Adjustable airflow baffles enable targeted airflow within the row for enhanced precision.



Features

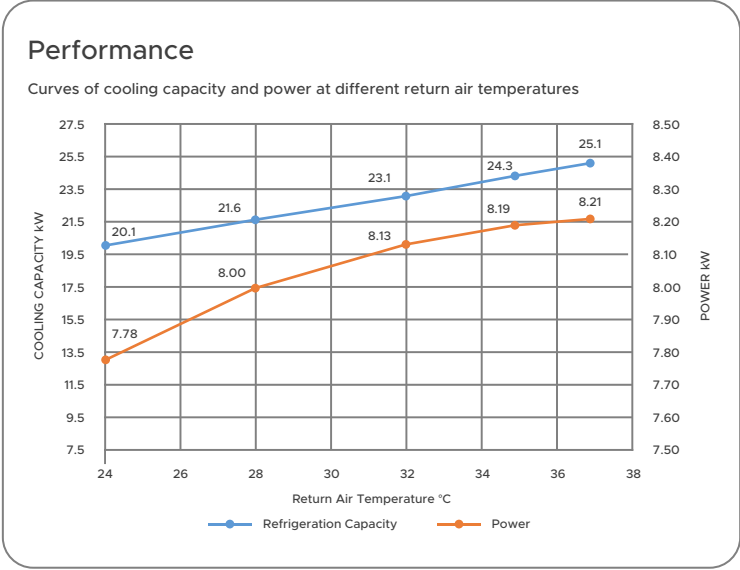
- ✓ Accurate and Measurable Cooling
- ✓ Reasonable and Accurate Distribution
- ✓ Real-time Heat Load Monitoring
- ✓ Dynamic Coordination Output
- ✓ Precise Air Volume Control
- ✓ Stepless Speed Regulation Compressor
- ✓ Electronic Expansion Valve
- ✓ Water Leak Detection System
- ✓ Convenient Installation and Maintenance
- ✓ The modular size is flexible and compatible with most Data Center systems.

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Technical Specifications

Air-cooled Unit	Unit	25
Total cooling capacity	kW	25.5
Sensible capacity	kW	25.5
Air volume	m³/h	5050
Optional heating power	kW	3
Optional humidification capacity	kg/h	3
Voltage	V	380 / 400
Frequency	Hz	50 / 60
Phase	P	3
Full Load Current (constant temperature & humidity)	A	27.3
Full Load Current (single cooling)	A	22.7
Unit weight	kg	237
Unit width	mm	300
Unit depth	mm	1200
Unit height	mm	2000



The cooling system is compatible with various temperature sensors, allowing it to monitor heat load fluctuations and adjust the supply air temperature accordingly. This ensures safety, reliability, and energy efficiency, while keeping server inlet air temperatures within optimal ranges for peak performance.

The system dynamically adjusts the cooling capacity and air volume in response to heat load changes. This real-time adaptability ensures the unit operates at peak efficiency, maintaining optimal conditions for all your equipment.

Return Air Temperature	Cooling Capacity	Power	EER
37	25.1	8.21	3.06
35	24.3	8.19	2.97
32	23.1	8.13	2.84
28	21.6	8.00	2.70
24	20.1	7.78	2.58

Intelligent Control

Different air supply options includes bilateral air supply, right side, left side and forward air supplies.

Set and display environmental parameters.

Maintenance and run-time reminders, as well as alarm notifications (up to 3000 alarm events can be recorded).

Advanced Functional Design



High Return Air Temperature Design
Engineered with a 100% sensible heat ratio, the cooling unit optimizes energy efficiency by handling high return air temperatures, ensuring your Data Center operates with reduced energy consumption.



Multiple Temperature Sensors
Compatible with multiple temperature sensors, the unit provides real-time monitoring of heat load changes, for precise adjustments to refrigeration output.



G4 Filtration System
Featuring a G4 filter system with a filter jamming switch, the cooling unit offers enhanced safety and reliability, keeping your data center environment clean and efficient.



Water Leakage Detection System
Equipped with a system to detect water leakage, this unit prevents any water-related issues, enhancing system reliability and minimizing potential disruptions.



Advanced Monitoring
The communication monitoring system allows for comprehensive oversight of unit status, enabling better management of your data center operations.



Rack-Sized & IT-Compatible Design
Its compact design and adaptability ensure compatibility with various rack sizes and IT environments, making it an ideal choice for diverse data center setups.



No Raised Floor Required
Designed with a unique configuration, this unit is perfect for data centers without a raised floor, offering flexibility in installation and operation.



Humidifying & Heating Capabilities
The unit effectively manages both temperature and humidity levels within the equipment room, eliminating the need for separate humidifying systems.



Effective Cold Aisle Containment
With its innovative airflow design, the air conditioning unit achieves effective cold aisle containment without the need for additional equipment.



Reliable Water Management
Featuring a condensing water pump, the unit eliminates water leakage risks, ensuring a reliable and trouble-free system operation.



TALK TO US

☎ 0861 000 133

📞 082 359 7060

📠 086 540 6273

✉ info@axil.co.za

🌐 www.axil.co.za

📍 KwaZulu-Natal - Durban
Gauteng - Midrand
Cape Town - Montague Gardens

