

GiCondensing(dx)

GiCondensing unit Direct Expansion cooling for optimum operating conditions



The GiCondensing direct expansion air cooled range incorporates full inverter driven BLDC compressors, Blue-fin condenser, EC-fan, perfect for keeping room conditions constant under varying loads, whilst being highly efficient.

High Density Applications

The GiCondensing (dx) unit systems combine the efficiency, quality and simplicity, with high performance close coupled cooling solutions for high density data centers.

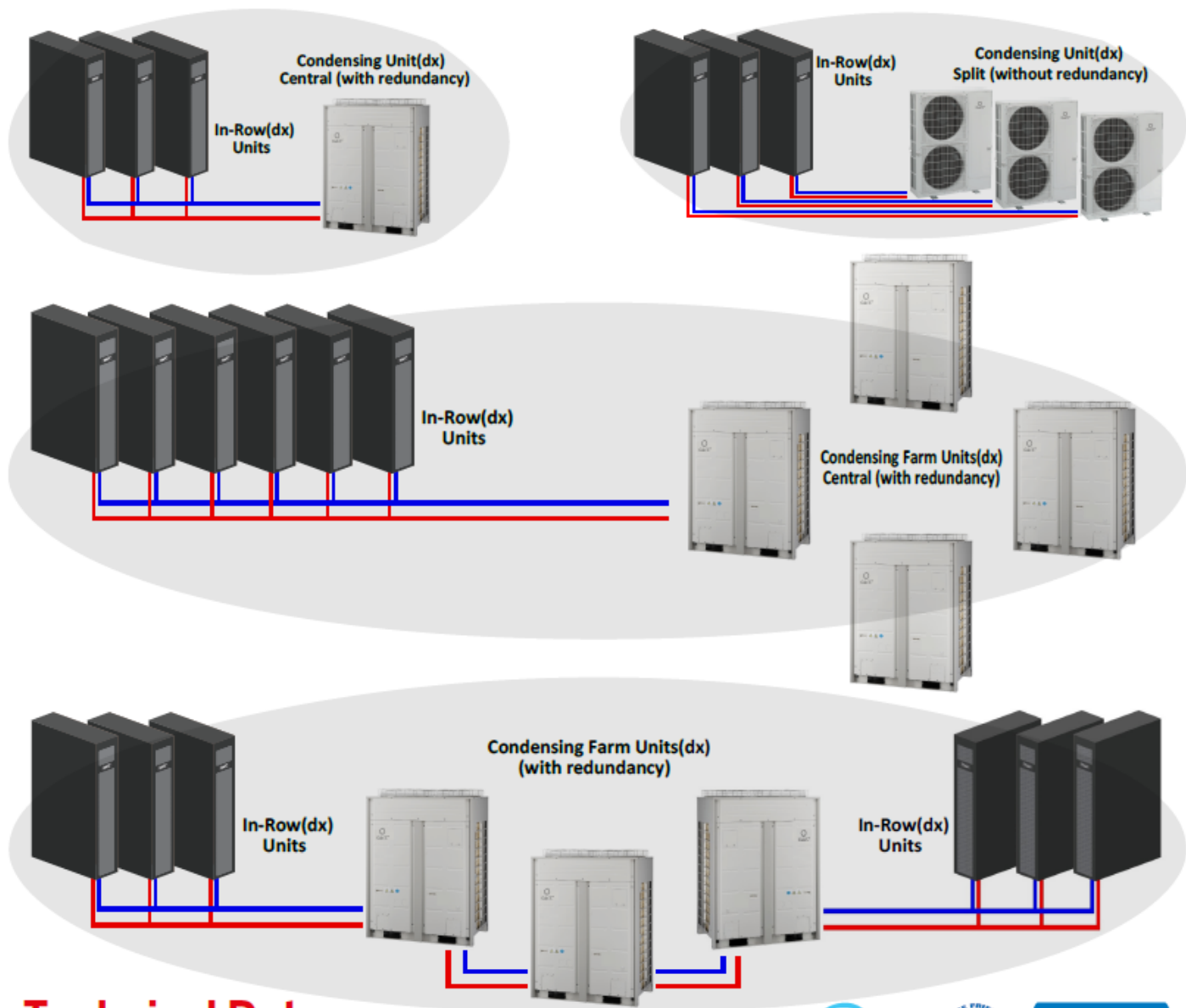
■ Precision close coupled cooling solutions

Utilising the latest generation of cooling technologies to prevent the risk of hot spots in the data centre, the goal of close coupled air conditioning is to bring the cooling technology as near to the heat source as possible: the computer rack.

By moving the air conditioner closer to the computer rack, a more precise delivery of inlet air and a more immediate capture of exhaust air is possible ensuring the most demanding I.T. systems are kept at optimal conditions, reducing the risk of outages, while maintaining optimal efficiency.



- Available for In-Rows, In-Rooms, GRDC configurations
- Full inverter technology with BLDC compressors
- Ultralight composite EC plug fans resulting in reduce noise and power usage
- Integrated control of up to 12 units for intelligent redundancy management
- Easy access to main components for easy inspection and routine maintenance
- Automatic restart from power outage
- Optional Modbus RS485 and BACnet TCP/IP connectivity
- Long piping length design (up to 600m)



Technical Data



Gi Condensing Unit (DX)

MODEL		30	35	39	46	52	60	65
Total Cooling Capacity ¹	kW	29	35	39	46	52	60	65
Power Input ¹	kW	5.39	6.95	8.98	10.06	12.26	13.26	15.53
EER		5.38	5.03	4.34	4.57	4.24	4.52	4.18

BLDC Inverter Compressor, Electronic Expansion Valve, EC-Fan, R410a, Microprocessor PCB Board

Total Cooling Capacity ²	kW	35.7	43.1	47.4	56.6	63.7	73.5	79.2
Power Input ²	kW	3.29	4.26	5.41	6.13	7.46	8.0	9.40
EER		10.85	10.11	8.76	9.23	8.53	9.18	8.42

MODEL		71	78	85	90	98	105	120
Total Cooling Capacity ¹	kW	71	78	85	90	98	105	120
Power Input ¹	kW	18.75	18.66	21.42	24.52	27.99	32.03	26.52
EER		3.78	4.18	3.96	3.67	3.50	3.27	4.52

BLDC Inverter Compressor, Electronic Expansion Valve, EC-Fan, R410a, Microprocessor PCB Board

Total Cooling Capacity ²	kW	87	94.8	103.3	111.1	120.3	127.3	147.0
Power Input ²	kW	11.41	11.25	12.96	15.01	17.04	19.28	16.0
EER		7.62	8.42	7.97	7.40	7.05	6.60	9.18

Notes

- (1) Air Inlet temperature: 35°C DB/26°C WB; Outdoor temperature: 35°C DB/24°C WB. Interconnecting piping length is 7.5m, level difference is zero.
- (2) Air Inlet temperature: 35°C DB/26°C WB; Outdoor temperature: -5°C DB. Interconnecting piping length is 7.5m, level difference is zero.
- (3) Comments: All data applies at 400 V/3 ph/50 Hz

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