

- Close control unit
- Direct expansion
- EMICON



EMIBYTE DX close control unit inverter type DXI.A

Close control unit with direct expansion for vertical installation. Optional heating element, humidifier and dehumidifier are available for a precise temperature and humidity control. Particularly suitable for precision air conditioning in server rooms/IT rooms and all technological applications. The inverter compressor allows modulation of the cooling capacity. This makes the unit particularly efficient at part loads, optimizing the power consumption and lowering the starting current. Electronic expansion valve and EC inverter fans are fitted as standard in this model. To be used with an RCE external air condenser.

Brand

- EMICON

Application

- Server rooms
- Archives
- Telecom

Composition

- Galvanized steel frame
- Touch screen display 4.3"
- EC Centrifugal fan with backward curved blades
- Inverter compressor
- LAN connection
- DX coil with bluefin coating
- 3-way valve
- Condensate tray
- Long-life G4 filter
- Microprocessor

Refrigerant

R410A

Models

- D - Down flow air supply
- U - Up flow air supply
- F - Front flow air supply
- B - Up flow air supply, rear flow air return

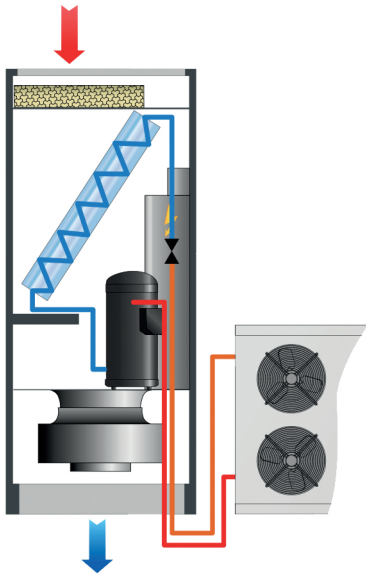
Accessories

- Adjustable frame **B**
- Dehumidification control **DH**
- Humidifier **H**
- Hot water coil **BC**
- Three-phase network without neutral **MN**
- Condensate pump **PB**
- Condensate pump for humidifier **PBH**
- Wired controller with touch screen
- Electrical resistance **RE** or **REM**

Applicable outdoor units

- Remote condensor **RCE**

		Technical data					
DXI.A		61	111	121	151	181	201
Cooling capacity (24°C - 50% RH)	kW	7.2	10.1	11.2	16.1	18.2	20.5
Sensible cooling capacity (24°C - 50% RH)	kW	7.2	9.3	11.2	14.5	17.6	20.5
Absorbed nominal power (24°C - 50% RH)	kW	4	6	6	9	11	11
Absorbed nominal current (24°C - 50% RH)	A	14	18	18	16	21	21
Electric power		400/3/50+N+PE					
Dimensions L x W x H	mm	550x750x1980	550x750x1980	550x750x1980	550x750x1980	750x980x1980	750x980x1980
Air flow rate	m³/h	3900	3900	3900	3900	5700	5700
Static pressure	Pa	559	560	479	412	568	539
Nominal steam capacity of humidifier (optional)	kg/h	3	3	3	3	5	5
Electric resistance RE (optional)	kW	3	3	3	4.5	4.5	6
Electric resistance REM (optional)	kW	6	6	6	6	9	9
Water heating coil (optional)	kW	7.3	7.3	7.3	7.3	10.6	10.6
DXI.A		251	321	381	392	472	491
Cooling capacity (24°C - 50% RH)	kW	25.6	337	37.2	39	47.4	50.7
Sensible cooling capacity (24°C - 50% RH)	kW	25.5	30.7	37.1	38.9	44.3	45.1
Absorbed nominal power (24°C - 50% RH)	kW	12	15	16	19	21	23
Absorbed nominal current (24°C - 50% RH)	A	21	24	26	38	40	34
Electric power		400/3/50+N+PE					
Dimensions L x W x H	mm	850x1160x1980	850x1160x1980	850x1505x1980	850x1505x1980	850x1505x1980	850x1505x1980
Air flow rate	m³/h	8150	8150	11500	11500	11500	11500
Static pressure	Pa	451	362	428	427	402	388
Nominal steam capacity of humidifier (optional)	kg/h	8	8	8	8	8	8
Electric resistance RE (optional)	kW	6	6	6	9	9	9
Electric resistance REM (optional)	kW	12	12	12	12	12	12
Water heating coil (optional)	kW	16.7	16.7	24.5	24.5	24.5	24.5
DXI.A		531	532	631	652	691	742
Cooling capacity (24°C - 50% RH)	kW	54	52.8	64.8	68.4	70.1	74.9
Sensible cooling capacity (24°C - 50% RH)	kW	52.7	52.7	63.4	64.6	66.3	74.7
Absorbed nominal power (24°C - 50% RH)	kW	24	23	28	31	30	33
Absorbed nominal current (24°C - 50% RH)	A	37	42	47	48	50	51
Electric power		400/3/50+N+PE					
Dimensions L x W x H	mm	850x1860x1980	850x1860x1980	850x2210x1980	850x2210x1980	850x2210x1980	580x2565x1980
Air flow rate	m³/h	14500	14500	17600	17600	17600	20900
Static pressure	Pa	417	432	417	392	432	437
Nominal steam capacity of humidifier (optional)	kg/h	8	8	8	8	8	8
Electric resistance RE (optional)	kW	15	15	18	18	18	24
Electric resistance REM (optional)	kW	18	18	24	24	24	27
Water heating coil (optional)	kW	31.1	31.1	37.4	37.4	37.4	48.9
DXI.A		761	861	931	952	1021	1142
Cooling capacity (24°C - 50% RH)	kW	78.2	85.8	94.7	96.5	100.7	109.8
Sensible cooling capacity (24°C - 50% RH)	kW	75.2	80.2	91.6	93.9	96.1	98.8
Absorbed nominal power (24°C - 50% RH)	kW	36	38	45	49	47	56
Absorbed nominal current (24°C - 50% RH)	A	58	61	76	74	79	93
Electric power		400/3/50+N+PE					
Dimensions L x W x H	mm	580x2565x1980	580x2565x1980	850x3100x1980	850x3100x1980	850x3100x1980	850x3100x1980
Air flow rate	m³/h	20900	20900	25700	25700	25700	25700
Static pressure	Pa	436	429	446	449	442	431
Nominal steam capacity of humidifier (optional)	kg/h	8	8	8	8	8	8
Electric resistance RE (optional)	kW	24	24	27	27	27	27
Electric resistance REM (optional)	kW	27	27	36	36	36	36
Water heating coil (optional)	kW	48.9	48.9	60.8	6.8	60.8	6.8

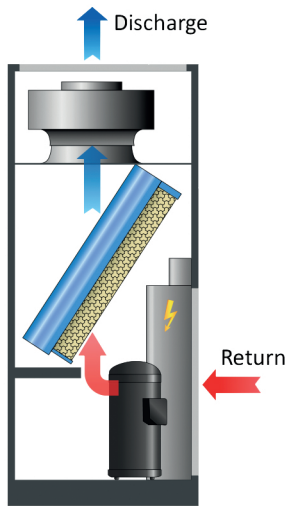


Configuration

EMIBYTE CONFIGURATIONS

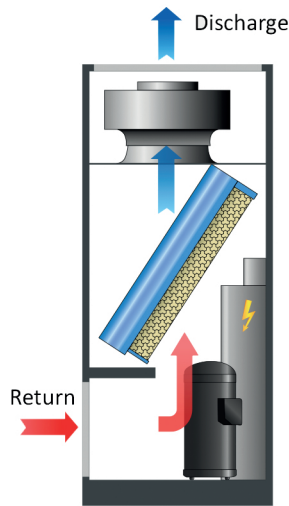
U

Front air return
Upflow air discharge



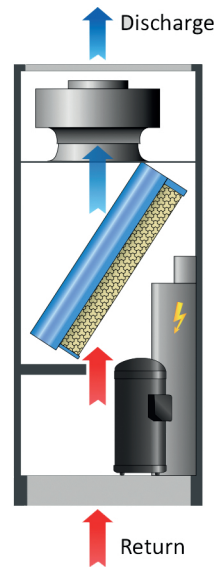
B

Back air return
Upflow air discharge



V

Bottom air return
Upflow air discharge



D

Top air return
Downflow air discharge

