

cosmotec

your cooling solutions



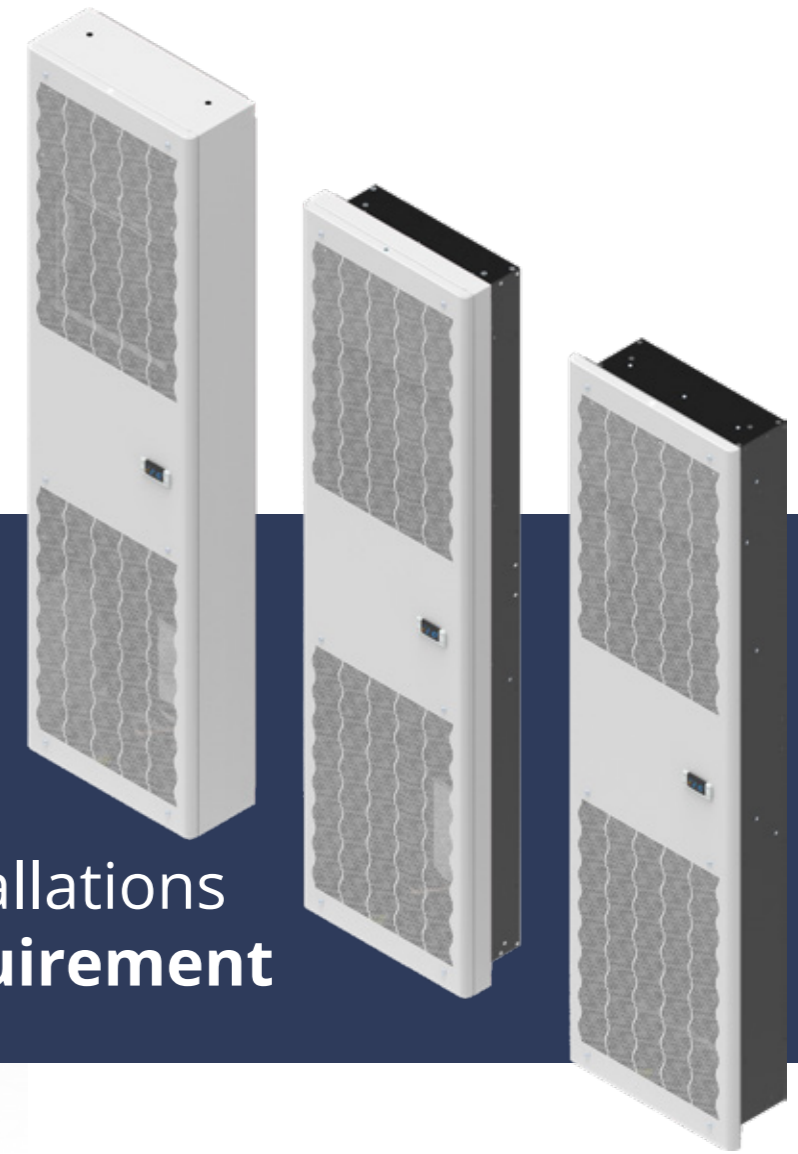
SlimIn
CDE



Industrial Air conditioner Extra Flat

A high-efficiency solution for critical applications

SlimIn is the range of **ultra-slim air conditioners** designed for **external, semi-recessed, or fully recessed installation, ideal for installations requiring minimal space and protrusion from the panel.** The unit's features allow for easy and fast installation.



A wide range of installations
for every **space requirement**

Flexibility in installation

3 types of mounting, wide voltage
and operating range

The SlimIn range can operate in sites with temperatures up to 55°C/60°C, covering all market requirements.

Available in 115V, 230V and 400V/460 versions.

Maximum efficiency

Slim In has **high EER values** and consequent **cost savings** thanks to the use of:

- high performance compressors and fans
- micro-channel condenser, which with its reduced thickness allows better air flow
- energy saving functions (SEM and SEM2)



MICROCHANNEL CONDENSER

It allows better airflow due to its reduced thickness.



CONDENSATE DISSIPATOR

To reduce or eliminate output condensation without current consumption.



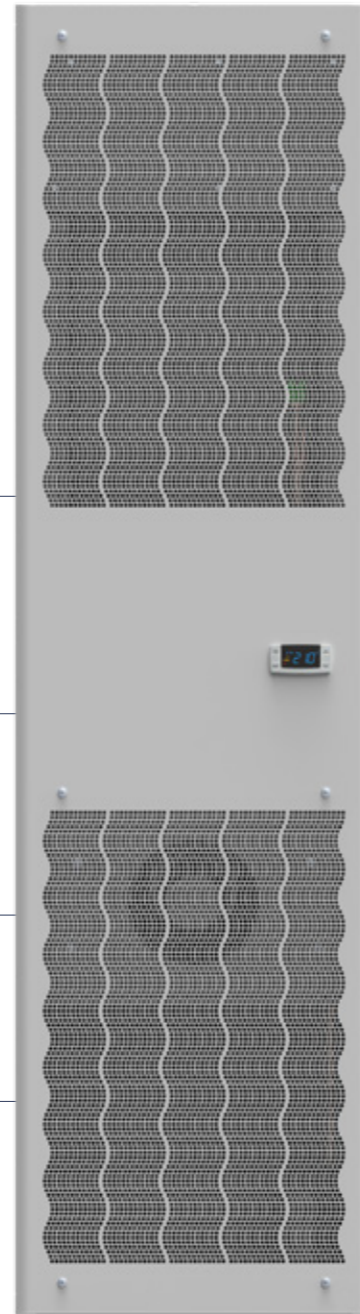
XCB ELECTRONIC CONTROL

Via the integrated RS485 serial port and Modbus RTU protocol, it makes remote monitoring possible.



COMPRESSOR

Compressors and fans with high performance.



Safety



To increase the safety of your installations, **Slim In** air conditioners are equipped with a condensate evaporator device, which **eliminates the phenomenon of condensation without current absorption**.

Protection

Protection degree **IP54/Type12** between air conditioner and electrical enclosure, allows protection against the entry of dust or splashing water.

Hydrophilic evaporator for more efficiency, without the risk of dragging drops of the condensate water.

The best solution for fast and easy installations and maintenances

The overall cost of the air conditioner is not only limited to the purchase price but also consists of the subsequent operating costs and the costs of procurement, installation and maintenance. The latter 3 items can account for up to 20/25% of the total value.

cosmotec ha pertanto adottato soluzioni per facilitare le attività di montaggio del condizionatore e di eventuali attività di manutenzione da eseguire sullo stesso.

Le soluzioni proposte nel condizionatore **SlimIn** CDE permettono un notevole risparmio di tempo, e conseguentemente economico, che può arrivare fino a valori del 50%.

Applications



Idrogeno



Macchine Utensili



Automotive/ E-Mobility



Printing



Food & Beverage



Plastica



Chimico/ Farmaceutic.

Switchgear cooling in METALLURGY

In the metal industry, in sectors such as steelmaking and welding, temperatures of up to 60°C are often encountered, well above the conventional 55°C limit of air conditioners on the market. The electrical panels in this type of plant must be conditioned, and if chilled water is not available, the only alternative is to use an air conditioner, which guarantees correct and reliable operation and adequate performance.

The **SlimIn** line offers, as standard, an air-conditioning solution that operates up to an outside temperature of 60°C and can reach 62°C for short intervals. SlimIn maintains high cooling performance and high efficiency values even at high temperatures and is a more economical solution than an air/water exchanger + chiller system.

Technical Features

Main features

- High efficiency
- Cooling capacity: 500 - 4000 W
- XCB electronic board + display
- Totally recessed, semi-recessed or external installation
- Quick electrical connections
- Sequencing and Modbus connection
- μchannel condenser (from CDE14)
- Condensate dissipator (from CDE14)
- General alarm and remote control contacts
- Gasket already installed on the conditioner
- Operation up to an outside temperature of +60°C (for some models)
- Certifications: CE, EAC, UL Listed High efficiency

Options

- Special colour
- Panel Inox AISI304/316
- Low Noise Version
- Phase sequence relay (3~ models)
- Remote probe

Options for accessories

- Special colour for semi-flush mount / external frames
- Special colour air filter (no stainless steel version)
- Frames for semi-flush mount / external stainless steel 304/316

Accessories

- Frames for semi-flush/external mount
- Air filter
- Sequencing cable



Technical Features

		CDE05			CDE10			CDE14				
Nominal Voltage	V _~	230,1		115,1	230,1		115,1	230,1	115,1	400,2	460,2	
Nominale Frequency	Hz	50	60	60	50	60	60	50	60	60	50	60
H x W x D	mm	956 x 375 x 196			956 x 375 x 196			1666 x 454 x 181				
Cooling capacity L35L35	W	600	670	575	1000	1050	975	1400	1500	1400	1400	1500
Cooling capacity L35L50	W	510	540	425	720	800	700	1150	1250	1150	1150	1250
Absorbed power L35L35	W	290	325	305	515	590CE 610UL	485	635	705	740	635	705
Absorbed power L35L50	W	380	425	350	595	710CE 730UL	580	730	820	855	730	820
Internal temperature	°C	25/45			25/45		25/35	25/45				
External temperature	°C	20/60	20/55		20/60	20/55	20/50	20/60 (CE) 20/55 (UL)		20/55 20/60 20/55 (UL)		
Protection Degree	IP/Type	54/12			54/12			54/12				
External sound pressure	dB(A)	54			56			60				

		CDE20					CDE30				CDE40		
Nominal Voltage	V _~	230,1		115,1	400,3	460,3	230,1		400,3	460,3	400,3	460,3	
Nominale Frequency	Hz	50	60	60	50	60	50	60	50	60	50	60	
H x W x D	mm	1666 x 454 x 181					1666 x 496 x 221				1666 x 496 x 256		
Cooling capacity L35L35	W	2100	2200	2100	2100	2200	3050	3200	3050	3200	3950	4095	
Cooling capacity L35L50	W	1675	1700	1700	1675	1700	2500	2750	2500	2750	3210	3400	
Absorbed power L35L35	W	1050	1290	1050	865	1075	1095	1375	1085	1330	1610	2070 CE 1525 UL	
Absorbed power L35L50	W	1200	1430	1220	1020	1240	1295	1600	1300	1570	1895	2390 CE 1815 UL	
Internal temperature	°C	20/60 (CE) 20/55 (UL)		20/55 20/60 20/55(UL)			20/60 (CE), 20/55 (UL)				20/60 (CE), 20/55 (UL)		
External temperature	°C	25/45					25/45				25/45		
Protection Degree	IP/Type	54/12					54/12				54/12		
External sound pressure	dB(A)	68					69				72		

COSMOTEC

Industrial Cooling

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