

# AIA

## CSX/CSB LSX/LSB

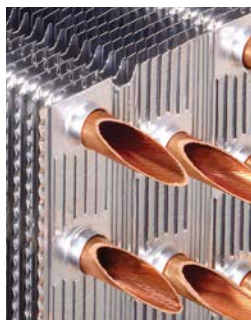
Commercial and Industrial Unit and Air Coolers

Capacity Range 7 to 216 kW



ISO 9001

**AIA CSX/CSB and LSX/LSB are high-performance unit and air cooler series for cold and freezing rooms. LSX/LSB series is optimized for installations in demanding environment. The two series consist of 560 models from 7 up to 216 kW and are used in applications with all existing cooling medias and refrigerants (DX) also including CO2 and Ammonia.**



**Turbocoil® Heat Exchanger**

The combination of long experience and many hours in our laboratory has resulted in the unique Turbocoil® Heat Exchanger. Inner-grooved Copper tubes combined with high-efficiency turbolated Aluminum fins in an optimized configuration ensure an outstanding cost contra performance ratio. The CSX/CSB series is equipped with Turbofin® 3 and LSX/LSB with Turbofin® 4.

**EC Fans: Unbeatable Performance, Low Energy and Low Noise**

AIA CSX/CSB and LSX/LSB series are equipped with the latest versions of EC fans. The operation of the EC fan is perfectly adjusted to optimize high performance with low energy consumption and low noise. Embedded safety functions such as thermal protection guarantees long life time. The fans are all individually perfectly balanced both statically and dynamically. They are available in diameters 450, 500, 630, 710 and 800 mm. Conventional AC fans are available on request.

**Fan Shroud and Guard Grille**

The fan shroud and guard grille are designed to give an optimized air flow, high safety and a smooth look.

**High-Quality Steel Casing in C4**

The casing is made from galvanized Steel with a powder coating of Epoxy-Polyester fulfilling corrosion class C4. This makes it very resistant against corrosion and also very easy to keep clean.



**Refrigerants**

All existing glycol mixtures, HFC, Ammonia and CO2 (40 and 60 bar).

**Defrosting**

Many options are available for defrosting in different applications and room temperatures:

- > +2°C Air defrost (N)
- > -2°C Water spray defrost (SB)
- > -35°C Electric defrost (E)
- > -35°C Hot gas defrost in heat exchanger and electric in drip tray (G)
- > -35°C Hot gas defrost in both heat exchanger and drip tray (GB)

More powerful electric defrosting alternatives are available for demanding environments and also fan shroud heaters.



### Fin Pitches

Several different fin pitches are available for different applications:

Cold rooms: 4,5 6,0 7,5 10,0 and 12,0 mm

Freezing rooms: 7,5 10,0 and 12,0 mm

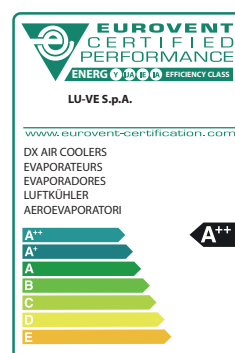
### Customization

AIA CSX/CSB and LSX/LSB series can be customized in many different ways, for example:

- Protected Aluminum fins
- Copper fins
- Stainless steel tubes
- Stainless steel casing
- Hinged fan shroud
- Safety switches
- Fans connected to junction box
- Special electric motors
- Insulated drip trays
- Special solutions for reduced defrost time and energy consumptions
- Electric heaters, hot gas or hot water for air reheat
- Improved access for easy maintenance



ISO 9001



### Guaranteed Quality and Performance

All products delivered by AIA fulfill very high demands set by our customers. This is guaranteed by Eurovent's Certify-All programme, quality certification according to ISO9001 and Energy Management System according to EN16001:2009. All this ensures that our high quality and performance reach our customers.

### AIACalc – Best Dimensioning Software

AIACalc is the most comprehensive, easy-to-use and reliable dimensioning software on the market. Please use AIACalc to choose your best solution for your unique application or contact your local AIA sales representative.



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