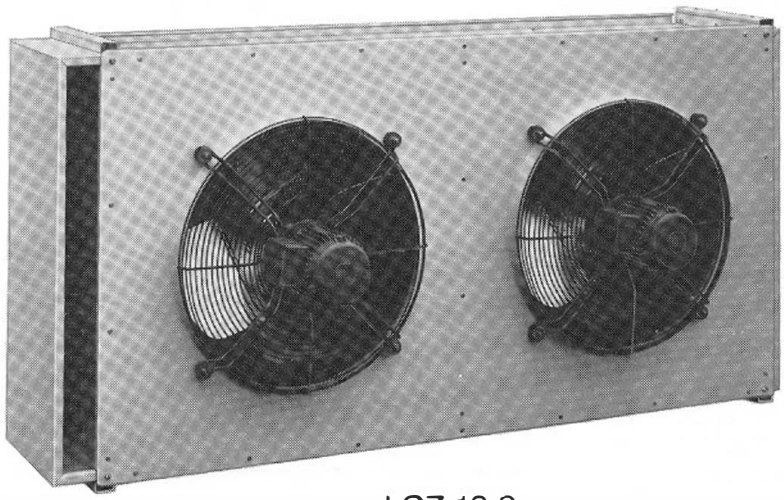
Aircooled condensers

LCZ



LCZ 10-6p

Airflow horizontal

General

The range of aircooled condensers consists of 10 models with 1 to 4 fans. The capacities are between 8.5 and 80 kW at 15 K td.

Execution

The coils are manufactured from 1/2" OD copper tubes, expanded into aluminium fins.
Tube centres: 38 x 38 mm
Finspacing: 2.25 mm
Casing manufactured from non-corrosive materials, epoxy coated light grey on both sides (RAL 7035).
The condenser is provided with sideplates. Test pressure for all condensers is 25 bar.
The condensers are supplied with a dry nitrogen charge.
At an extra price the condensers can be delivered with multicircuits.

Corrosion resistant design

The standard condenser has a good corrosion resistance.
For application in corrosive areas the finned coil can be delivered, at an extra price, in the following options:

- seawater resistant fins (57S/5052).
- prepainted aluminium fins (capacities are 7% lower).
- finned coil chromatized after assembling.

Mounting

The LCZ condensers are suitable for horizontal as well as vertical airflow.
In case of vertical airflow mounting, hot-dipped galvanized steel support legs are available at an extra price. (type MP-4 including bolts and nuts).

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Capacities

Soundlevels

Type LCZ	Capacities kW 4 pole n= 1420	6 pole 910	8 pole 690	12 pole 470	Fans number	airvolume m3/h n= 910	soundlevel dB(a) n= 1420	910	690	470	Max. number of circuits available
LCZ 2-..p	14.4	13.1	11.2	8.5	1	5300					2
LCZ 4-..p	18.4	16.6	14.0	10.1	1	5000	57	46	42	33	3
LCZ 6-..p	20.9	18.4	15.3	11.0	1	4700					4
LCZ 8-..p	28.8	26.3	22.4	17.0	2	10600					4
LCZ 10-..p	36.8	33.2	27.9	20.2	2	10000	60	49	45	36	6
LCZ 12-..p	41.8	36.8	30.6	22.0	2	9400					8
LCZ 14-..p	55.4	49.9	41.9	30.4	3	15000	62	51	47	38	6
LCZ 16-..p	62.3	55.1	45.9	33.0	3	14100					8
LCZ 18-..p	71.3	64.2	54.2	39.3	4	20000	63	52	48	39	12
LCZ 20-..p	80.5	71.2	59.9	43.0	4	18800					16

Capacity

The capacities are valid for R22 and R502 at 15 K td*.
At other temperature differences between 10 and 20 K td, capacities are proportionate to this temperature difference.

For R12 the capacities are 5% lower.

* td = difference between condensing and ambient temperature.

Soundlevel

The soundlevel, measured with an A–filter, is valid at a distance of 10 m under free field conditions. Conditions at site may cause differences.

Circuiting

At an extra price the coilblock is available with one or more circuits. The capacity of these circuits can be found by dividing the total capacity by the number of circuits (see above).

Technical data

Type LCZ	Connections** solder mm inlet	outlet	Dimensions mm A	B	Weight kg	Internal volume dm3
LCZ 2	22	22			45	5
LCZ 4	22	22	965	800	54	7
LCZ 6	22	22			63	9
LCZ 8	22	22			74	9
LCZ 10	28	22	1725	1560	97	13
LCZ 12	28	28			120	17
LCZ 14	35	28	2495	2330	138	20
LCZ 16	35	28			170	27
LCZ 18	35	35	3155	2920	180	25
LCZ 20	35	35			220	33

** All LCZ types have connections at one side, except the LCZ 18 and LCZ 20. These two types have the connections each at one side.

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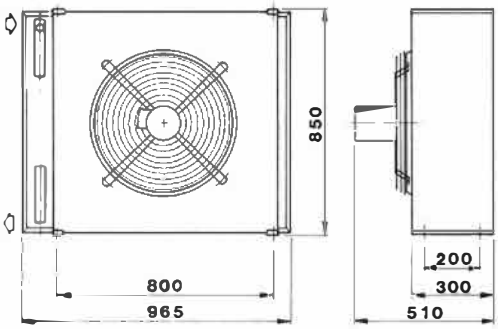
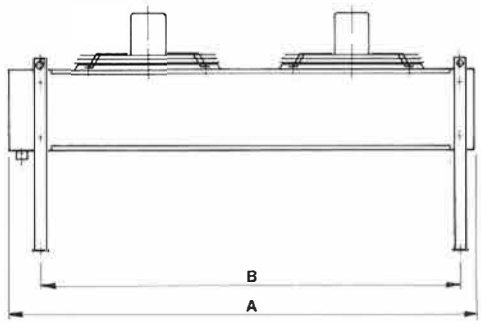
Horizontal airflow

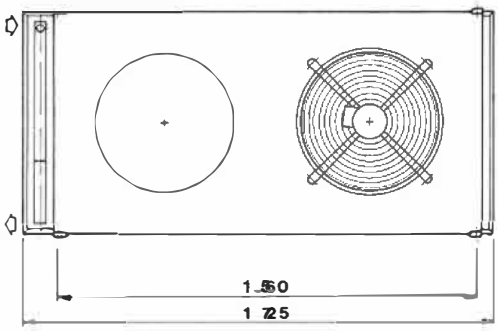
Vertical airflow

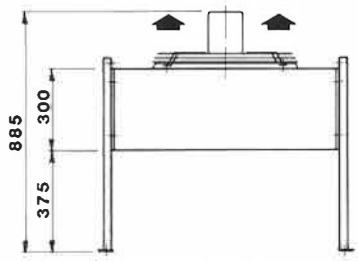
LCZ 2 4 6



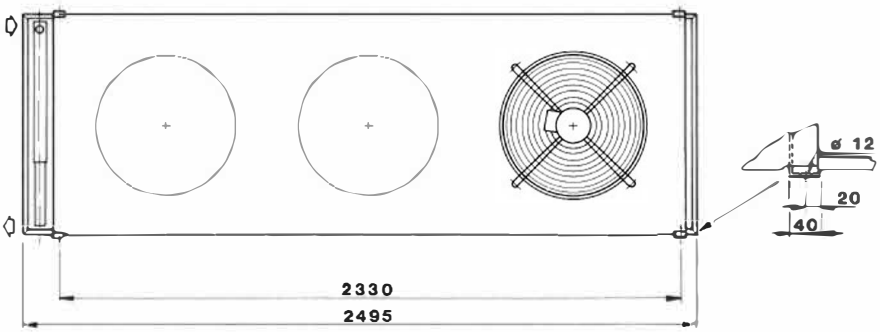


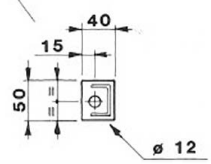
LCZ 8 10 12



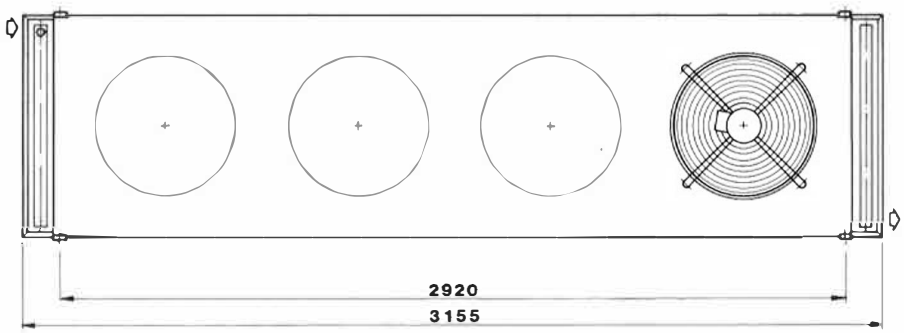


LCZ 14 16





LCZ 18 20



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