



In 35 years we have produced
almost 1 million EVS,
but we always strive for more.
Now EVS improves again.

EVS

The EVS unit cooler range has been specifically designed for application in reach-in cabinets, display cases and small cold rooms.

ECO™ heat transfer
coolers
by **LUVATA**

Fan motors

Single phase, from 1 to 4 ø 200 shaded pole type

Coil

Dual fin spacing 3,5-7 or 4,5-9 mm

Range

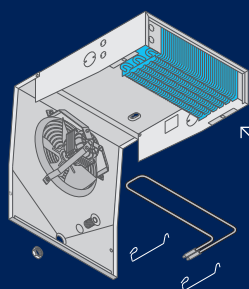
Introduction of a new type of inner grooved tube all over the range makes possible a dramatic increase of Capacities and a consequent improvement of efficiency performance

Capacity

Now up to 48% increase (*) with max 3,3 kW at TD 8K (SC2)

Denomination

Final "1" code instead of previous "0"

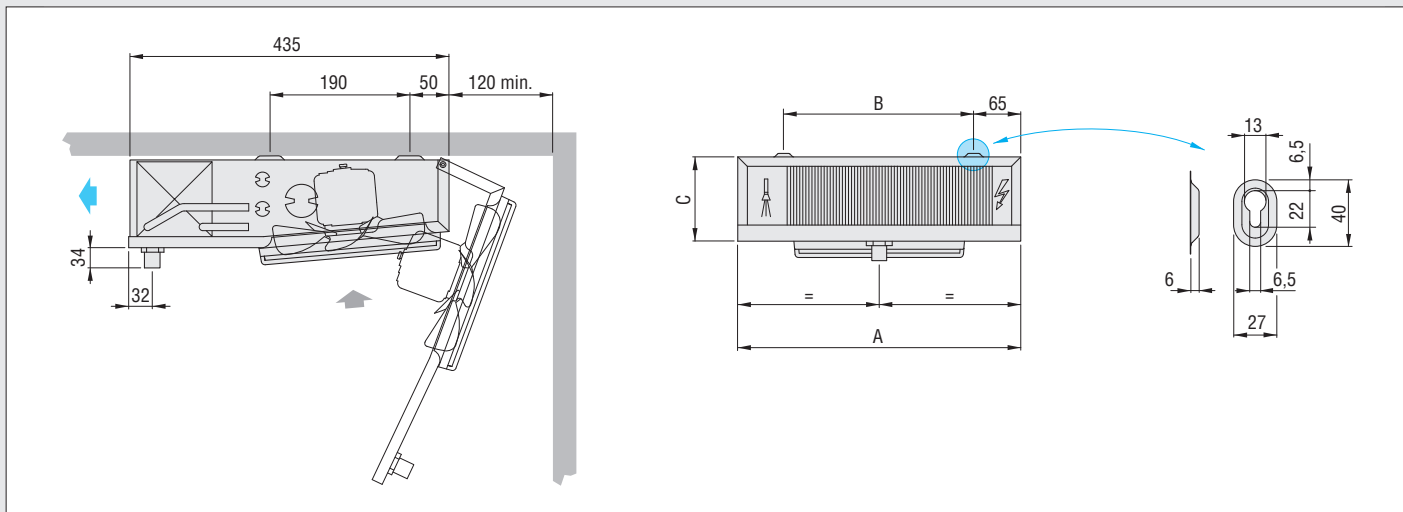


New enhanced inner surface coil

About Luvata

Luvata is a world leader in metal solutions manufacturing and related engineering services. Luvata's solutions are used in industries such as renewable energy, power generation, automotive, medicine, air-conditioning, industrial refrigeration, and consumer products. The company's continued success is attributed to its longevity, technological excellence and strategy of building partnerships beyond metals. Employing over 6,500 staff in 17 countries, Luvata works in partnership with customers such as Siemens, Toyota, CERN, and DWD International.

Dimensional features



Model	EVS	41	61	101	131	201	271	181	291	391	521
	EVS/B	41/B	61/B	101/B	131/B	201/B	271/B	181/B	291/B	391/B	521/B
Dimensions	mm	A	411	411	611	611	611	861	1111	1111	1461
		B	271	271	471	471	471	721	971	971	1321
		C	120	120	120	120	170	170	120	170	170

Technical features

Model	EVS	41	61	101	131	201	271	181	291	391	521
Nominal capacity	kW	0,43	0,53	0,84	1,01	1,46	1,73	1,7	2,06	2,52	3,29
Air flow	m³/h	290	260	580	520	565	690	870	780	980	1300
Air throw	m	3	2,5	5	4,5	4	4	4,5	4	4	4
Internal surface	m²	0,16	0,32	0,32	0,64	0,96	1,44	0,8	1,12	1,76	2,4
External surface	m²	1,6	2,6	2,8	4,1	6,2	9,3	5,3	8,2	12,3	16,6
Model	EVS/B	41/B	61/B	101/B	131/B	201/B	271/B	181/B	291/B	391/B	521/B
Nominal capacity	kW	0,37	0,47	0,72	0,89	1,4	1,7	1,45	1,77	2,46	3,22
Air flow	m³/h	310	280	620	560	605	740	930	830	1050	1400
Air throw	m	3	2,5	5	4,5	4,5	4,5	4,5	4	4,5	4,5
Internal surface	m²	0,16	0,32	0,32	0,64	0,96	1,44	0,8	1,12	1,76	2,4
External surface	m²	1,3	1,9	2,1	3,2	4,8	7,2	4,2	6,3	9,5	12,8

Common data

Fan motors	n° x Ø mm	1x200	1x200	2x200	2x200	2x200	2x200	3x200	3x200	3x200	4x200
Fan mot. absorp.	A	0,35	0,35	0,7	0,7	0,7	0,7	1,05	1,05	1,05	1,4
Nominal power	W	53	53	106	106	106	106	159	159	159	212
Fan mot. absorp. EC ⁽¹⁾	A	0,07	0,07	0,14	0,14	0,14	0,14	0,21	0,21	0,21	0,28
Nominal power EC ⁽¹⁾	W	11	11	22	22	22	22	33	33	33	44
Inner volume	dm³	0,33	0,48	0,54	0,8	1,2	1,8	1,07	1,61	2,4	3,2
Electric defrost	W	480	480	650	680	680	850	1080	1200	1200	1600
Coil connections	In	10mm	10mm	10mm	1/2SAE	1/2SAE	1/2SAE	1/2SAE	1/2SAE	1/2SAE	1/2SAE
	Out (mm)	10	10	10	10 ⁽³⁾	16	16	16	16	16	16
Drain connect.	Ø (GAS)	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
Net weight ⁽²⁾	kg	4,3	4,9	7,1	7,7	10,7	13,8	11,1	12,1	17	23

1) Option.

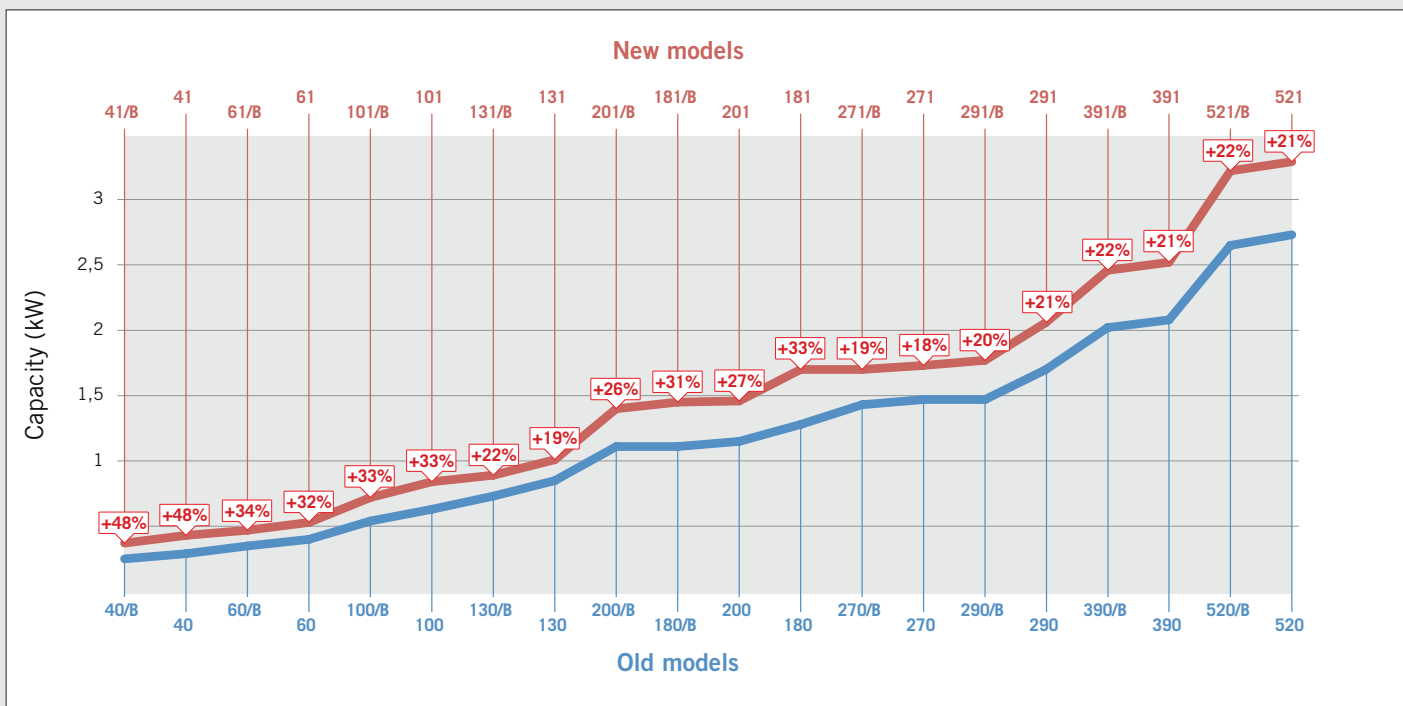
2) The weight refers to models with ED electric defrost.

3) For 131/B model = 16 mm

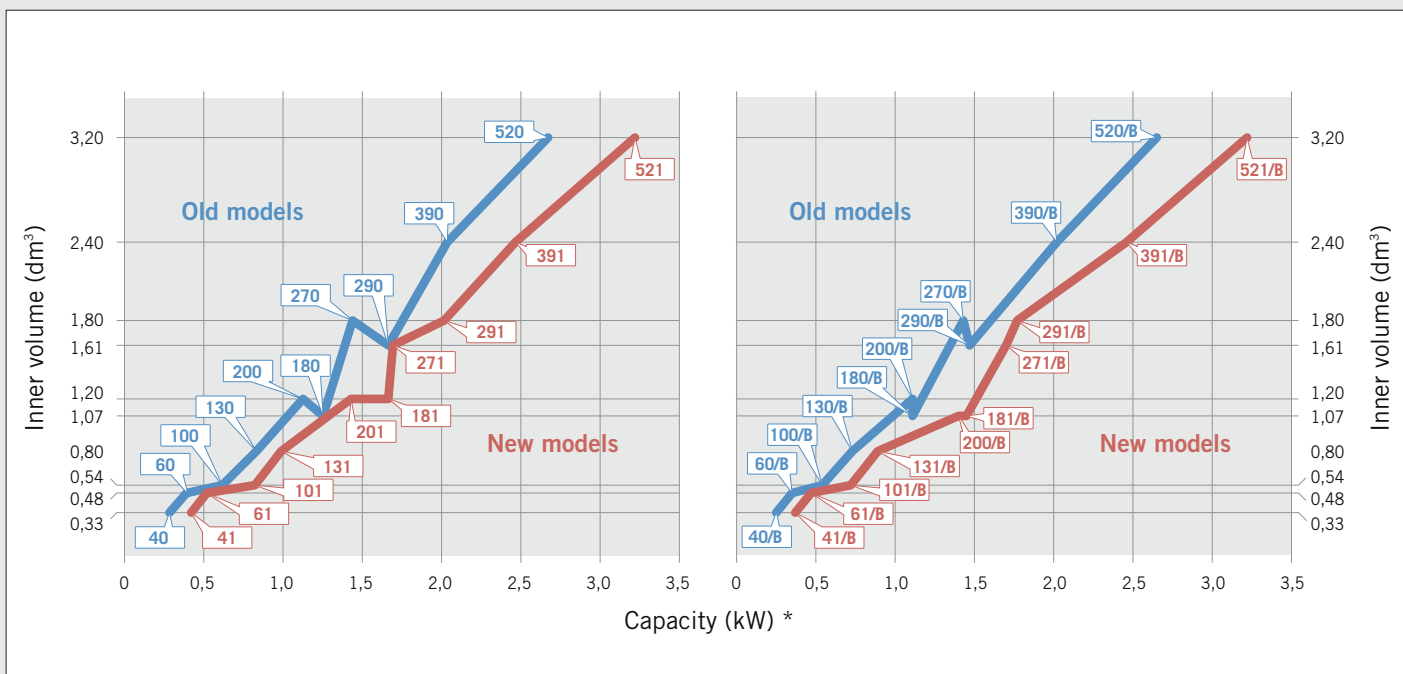
X Use thermostatic valve with external pressure equalizer.

• For brine cooler capacities please use "Scelte" selection software.

New models capacity range compared to the old ones

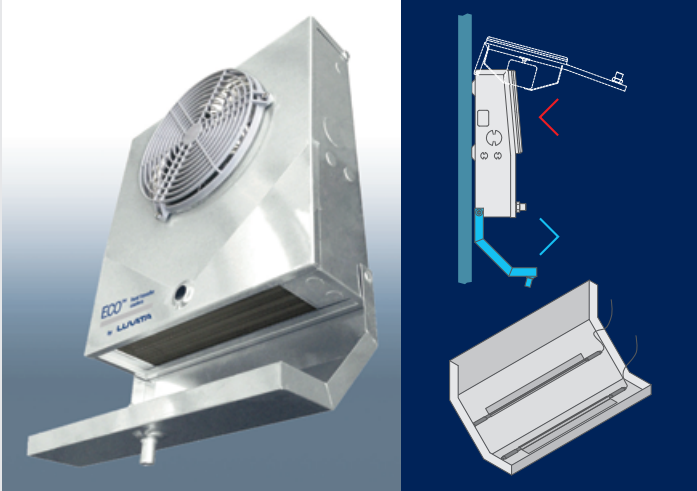


With equal capacity, the inner volume decrease dramatically

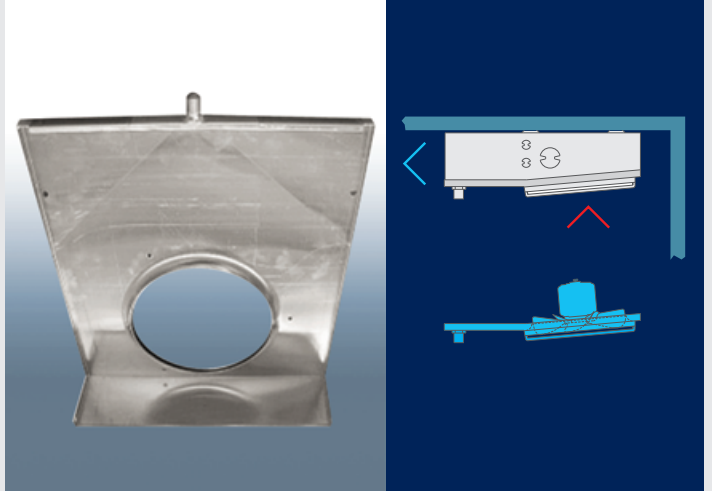


* Nominal capacity: assessed in practical operating ambient, i.e. in wet conditions; R404A refrigerant; air inlet temperature 0 °C; evaporating temperature -8 °C; TD 8 K.

Options and special versions



Kit for wall mounting



Kit for complete accessibility



Completely coated heat exchanger



Electronically commutated motor (EC)

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