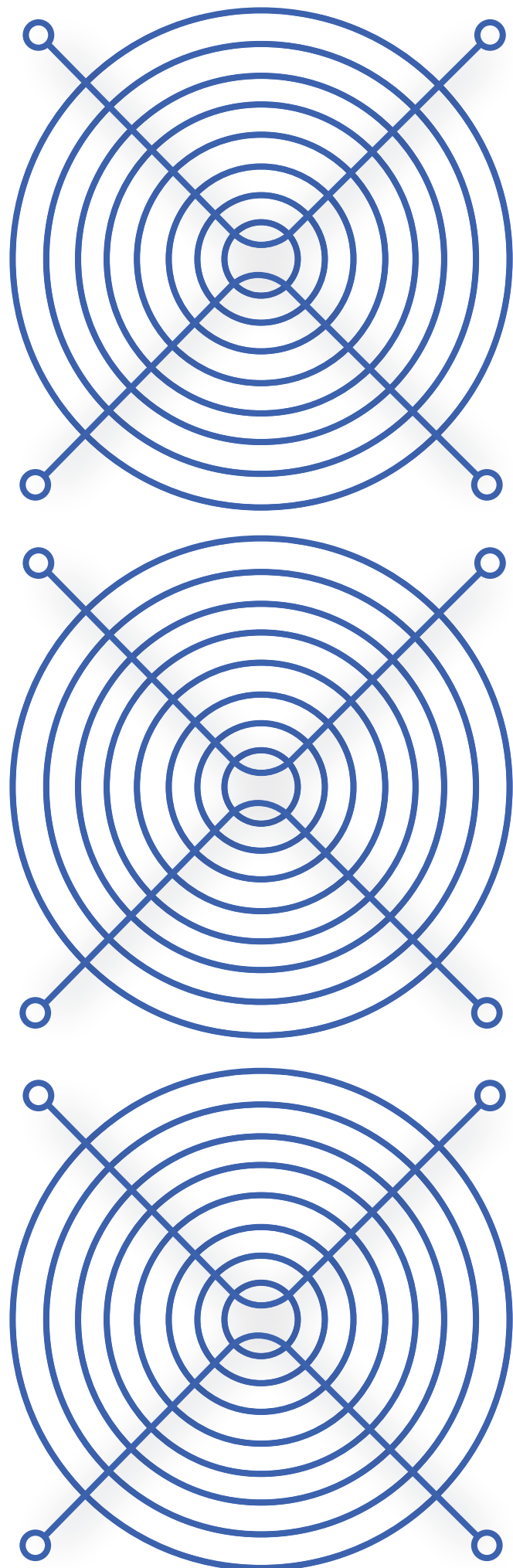




LPC SERIES EVAPORATOR RANGE





Universal Features of Cabero

- Blue fins provide corrosion protection
- Fans and defrost heaters are fully wired to junction box/s (IP54) with cable glands
- High efficiency external rotor fan/s
 - 300mm and 350mm diameter are IP44
 - 500mm diameter are IP54
- Air bypass panel increases efficiency by eliminating air leakage around coil
- Separate fan compartments in all multi fan models
- Reduced dehumidification (moisture removal) and ice formation is achieved through the inline tube configuration
- Unit casings are manufactured from high grade aluminium and powder coated white for greater corrosion and hygiene protection
- Fold down drip trays make maintenance quick and easy
- Drip tray is powder coated internally for easy cleaning and is thermally decoupled and detachable from the heat exchanger casing for increased defrosting efficiency

THE CABERO ADVANTAGE

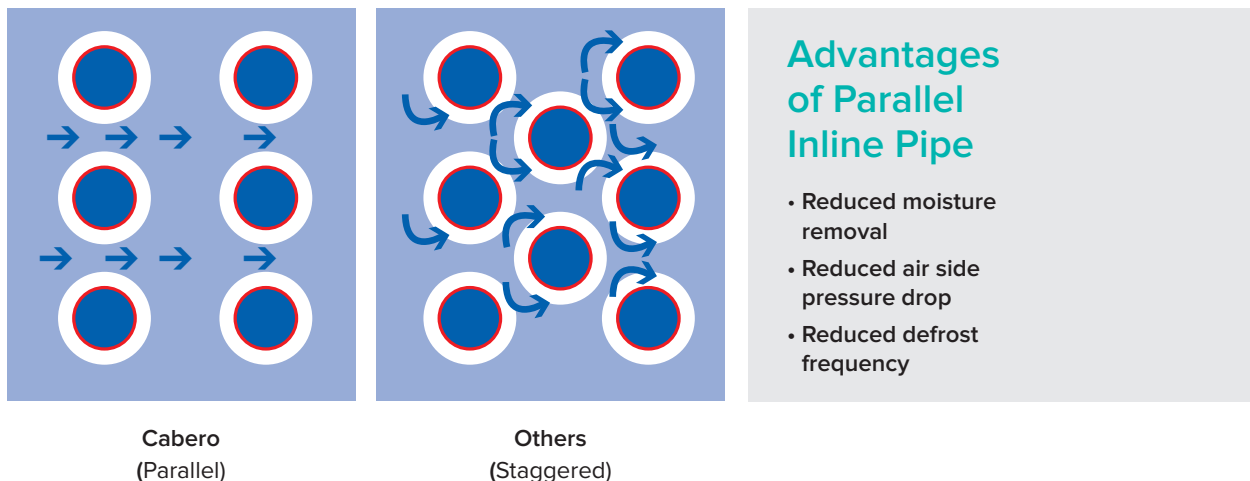
The German designed evaporator range from Cabero incorporates innovative design features that offer customers both good performance and longevity.

The professional inline tube pattern reduces dehumidification enhancing the shelf life of perishable foods such as meat, fruit and vegetables. Blue fin coating and powder coated high grade aluminium cases provide corrosion protection and improved hygiene. Standard design features make Cabero a great choice for coolrooms and freezers in applications such as convenience stores, supermarkets, pubs and clubs,

butchers, groceries, deli's, food processors, distribution centres, ice cream stores and any other walk in application.

Cabero evaporators are a key component for an efficient refrigeration system. Stable temperature and humidity ensures that sensitive products like vegetables, meat, cheese or fish will maintain optimum weight, quality and storage life.

The Cabero difference



Technical Features of Cabero

- Specially designed 12mm smooth bore thick walled copper tubes are less sensitive to pressure drop changes
- Multi refrigerant venturi type distributor suits all commonly used refrigerants
- Inline tube design of 35 x 35mm
- Refrigerant line connections are on the left hand end, when viewed from the fan side.
- Flush mounting to ceiling standard on all models
- Low noise levels due to fans design and increased depth between fan/s and coil face
- Pressure tested according to the PED 97/23/EC and EN327:2000 at 27.5 bar
- Powder coated aluminium in RAL 9010

CABERO LPC SERIES

LPC series evaporators are suited for use in smaller coolrooms and freezers, rooms with low ceiling heights or refrigerated cabinets.

The forced draft air flow and reduced cabinet height of the LPC series allows the room loading space to be maximised. LPC evaporators are commonly used in multi door reach in cool and freezer rooms in convenience stores where the air flow is often directed towards the rear of the room. The combination of blue fin coating and 12mm smooth bore copper thick walled copper tubes provide reliable refrigeration performance and the 300mm external rotor forced draft fan motors are energy efficient, quiet and move generous air volumes to reach all corners of the refrigerated space. Installing an LPC is

made easy with fully wired fans and defrost heaters. The side panels are removable providing clear access to all internal components and for easier fitting of the TX valve and the multi refrigerant distributors require no adjustment. The internally painted drip tray folds down quickly and easily for cleaning of the drip tray and accessing the drip tray defrost heater/s. LPC evaporators are a good choice for all small rooms and cabinets where maximising stock capacity and even temperature of product is important.

Standard Features

- Low profile suits small rooms and reach in cabinets
- Professional in-line tube configuration
- Forced draft provides even air distribution
- Low energy fan/s
- Powder coated smooth aluminium case
- Separate fan compartments
- Venturi distributor for multiple refrigerants
- Stainless steel fixings
- 12mm smooth bore copper tubing
- Flush mount ceiling brackets
- Fan/s pre-wired to IP54 junction box
- Fold down drip tray with central drain conn.
- Fins protected with epoxy blue-fin coating
- Air bypass sheet with special drainage system



LPC SERIES - MEDIUM TEMPERATURE SELECTION DATA

Cat. No.	Part No.	Capacity @ -8°C SST & 8 KTD : Watts		Capacity @ -4°C SST & 6 KTD : Watts		Air Flow l/s	Air Throw m	No. & Dia. of Fans	Fan Motors 230V/50Hz			Connections	
		"R404A (EN 328 SC2)"	"R134a (EN 328 SC2)"	"R404A (EN 328)"	"R134a (EN 328)"				Total Watts	Total Amps	Heat/24 Hrs Total Watts	Liq."	Suct."

300mm Diameter Fan Model - 4mm Fin Spacing

	LPC4A1/30-1*	1155	1051	866	788	375	7	1 x 300	72	0.32	1728	$\frac{1}{2}$	
2710337	LPC4B1/30-1*	1617	1471	1213	1104	336						$\frac{1}{2}$	$\frac{5}{8}$
2710338	LPC4C1/30-1*	1991	1812	1493	1359	311	6						
	LPC4D1/30-1	2178	1982	1634	1486	294						5	
2710339	LPC4E1/30-1	2442	2222	1832	1667	278	5	2 x 300	144	0.64	3456	$\frac{5}{8}$	$\frac{7}{8}$
2710340	LPC4B2/30-1	3289	2993	2467	2245	672	7						
2710341	LPC4C2/30-1	4048	3684	3036	2763	622	6						
	LPC4D2/30-1	4510	4104	3383	3078	589							
2710342	LPC4E2/30-1	4961	4515	3721	3386	556	5	3 x 300	216	0.96	5184	$\frac{5}{8}$	$1\frac{1}{8}$
2710343	LPC4C3/30-1	6061	5516	4546	4137	933	6						
	LPC4D3/30-1	6930	6306	5198	4730	883							
	LPC4E3/30-1	7469	6797	5602	5098	833	5						
	LPC4C4/30-1	8140	7407	6105	5556	1244	6						
2710344	LPC4D4/30-1	9262	8428	6947	6321	1178							
	LPC4E4/30-1	10032	9129	7524	6847	1111	5						

Refrigerant Correction Multiplier

Refrigerant	R404A	R507	R134a	R22
Capacity Multiplier	1.0	1.0	0.91	0.95

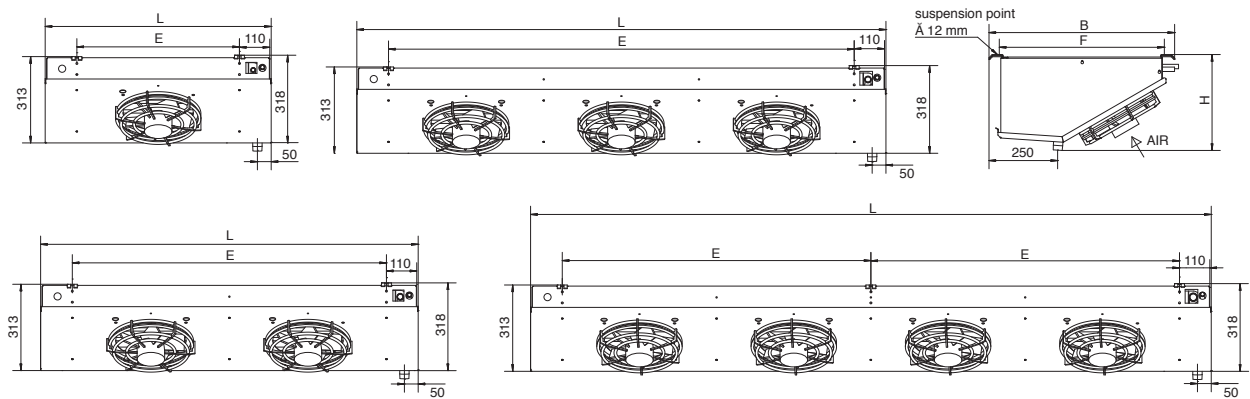
*Internally equalised expansion valve required.

LPC SERIES - MEDIUM TEMPERATURE DIMENSION DATA

Cat. No.	Part No.	Drain BSP"	Weight kg	Overall Dim: mm				
				L	D	H	E	F

300mm Diameter Fan Model - 4mm Fin Spacing

	LPC4A1/30-1*	1	18	820	670	351	590	600
2710337	LPC4B1/30-1*	1	19	820	670	351	590	600
2710338	LPC4C1/30-1*	1	21	820	670	351	590	600
	LPC4D1/30-1	1	22	820	670	351	590	600
2710339	LPC4E1/30-1	1	23	820	670	351	590	600
2710340	LPC4B2/30-1	1	32	1370	670	351	1140	600
2710341	LPC4C2/30-1	1	35	1370	670	351	1140	600
	LPC4D2/30-1	1	38	1370	670	351	1140	600
2710342	LPC4E2/30-1	1	40	1370	670	351	1140	600
2710343	LPC4C3/30-1	1	48	1920	670	351	1690	600
	LPC4D3/30-1	1	52	1920	670	351	1690	600
	LPC4E3/30-1	1	56	1920	670	351	1690	600
	LPC4C4/30-1	1	62	2470	670	351	1120	600
2710344	LPC4D4/30-1	1	67	2470	670	351	1120	600
	LPC4E4/30-1	1	72	2470	670	351	1120	600



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LPC E SERIES - LOW TEMPERATURE SELECTION DATA

Cat. No.	Part No.	Capacity @ -25°C SST & 7 KTD : Watts	Capacity @ -24°C SST & 6 KTD : Watts	Air Flow l/s	Air Throw m	No. & Dia. of Fans	Fan Motors			Defrost Heaters 240 Volts		Connections	
		"R404A (EN 328 SC3)"	"R404A (EN 328)"				Total Watts	Total Amps	Heat/ 24 Hrs Total Watts	Coil No. & Watts	Drip Tray No. & Watts	Liq."	Suct."

300mm Diameter Fan Model - 4mm Fin Spacing

	LPC4A1/30E.1*	880	754	375	7	1 x 300	72	0.32	1728	2 x 600	1 x 600	1 ₂		
2710345	LPC4B1/30E.1*	1190	1020	336								1 ₂	5 ₈	
2710346	LPC4C1/30E.1*	1370	1174	311	6							5 ₈		
	LPC4D1/30E.1	1580	1354	294										6
2710347	LPC4E1/30E.1	1730	1483	278	5	2 x 300	144	0.64	3456	2 x 1100	1 x 1100		5 ₈	
2710348	LPC4B2/30E.1	2350	2014	672	7									
2710349	LPC4C2/30E.1	2800	2400	622	6							1 ₈		
	LPC4D2/30E.1	3160	2709	589										6
2710350	LPC4E2/30E.1	3470	2974	556	5	3 x 300	216	0.96	5184	2 x 1600	1 x 1600		5 ₈	
2710351	LPC4C3/30E.1	4280	3669	933	6									
	LPC4D3/30E.1	4870	4174	883								6		
2710352	LPC4E3/30E.1	5230	4483	833	5									4 x 300
	LPC4C4/30E.1	5650	4843	1244	6									
	LPC4D4/30E.1	6290	5391	1178		6								
2710353	LPC4E4/30E.1	6980	5983	1111	5									

Refrigerant Correction Multiplier

Refrigerant	R404A	R507	R134a	R22
Capacity Multiplier	1.0	1.0	0.85	0.95

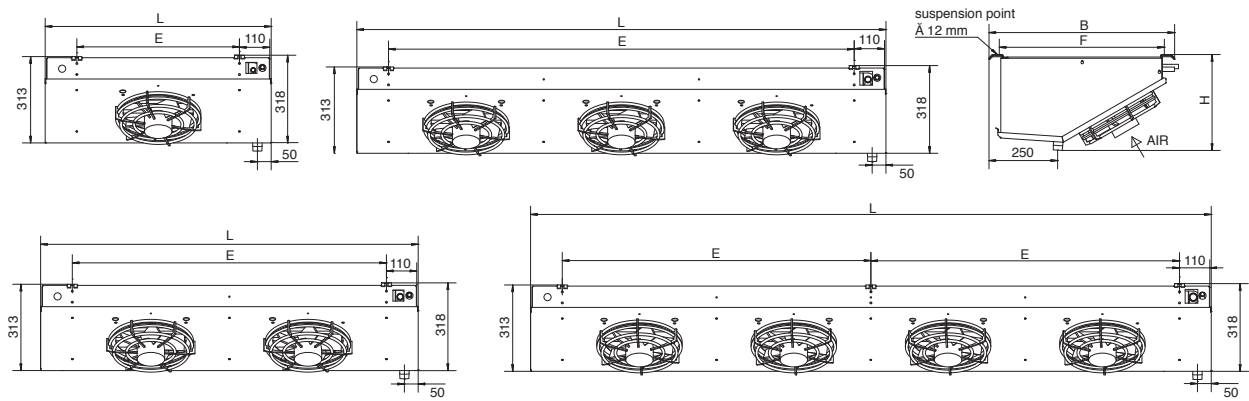
*Internally equalised expansion valve required.

LPC E SERIES - LOW TEMPERATURE DIMENSION DATA

Cat. No.	Part No.	Drain BSP"	Weight kg	Overall Dim: mm				
				L	D	H	E	F

300mm Diameter Fan Model - 4mm Fin Spacing

	LPC4A1/30E.1*	1	18	820	670	351	590	600
2710345	LPC4B1/30E.1*	1	19	820	670	351	590	600
2710346	LPC4C1/30E.1*	1	21	820	670	351	590	600
	LPC4D1/30E.1	1	22	820	670	351	590	600
2710347	LPC4E1/30E.1	1	23	820	670	351	590	600
2710348	LPC4B2/30E.1	1	32	1370	670	351	1140	600
2710349	LPC4C2/30E.1	1	35	1370	670	351	1140	600
	LPC4D2/30E.1	1	38	1370	670	351	1140	600
2710350	LPC4E2/30E.1	1	40	1370	670	351	1140	600
2710351	LPC4C3/30E.1	1	48	1920	670	351	1690	600
	LPC4D3/30E.1	1	52	1920	670	351	1690	600
2710352	LPC4E3/30E.1	1	56	1920	670	351	1690	600
	LPC4C4/30E.1	1	62	2470	670	351	1120	600
	LPC4D4/30E.1	1	67	2470	670	351	1120	600
2710353	LPC4E4/30E.1	1	72	2470	670	351	1120	600



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