


# DH SERIES EVAPORATOR RANGE

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## 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

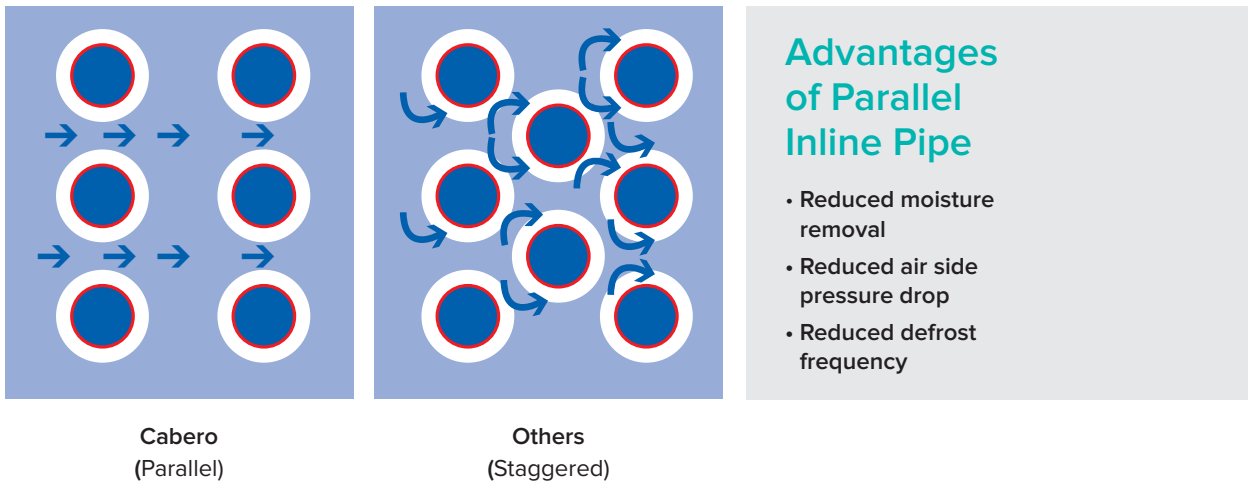
The German designed evaporator range from Cabero incorporates innovative design features that offer customers both good performance and longevity.

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 DH SERIES EVAPORATORS

DH series dual air discharge evaporators are designed for process and packaging rooms and for sensitive products where reduced air flow is optimal.

The DH evaporators are mounted centrally to the ceiling and use a forced draft air flow design to distribute low velocity air into the refrigerated space. Both drip trays fold down for easy access and are powder coated internally for easy cleaning.

The fans are fully wired and the panels are easily removed for installation and maintenance. Plenty of room is provided for mounting the TX valve.

The combination of 12mm smooth bore thick walled copper tubes and return bends with blue fin protected fins protect the heat transfer surface.

## Standard Features

- Low profile dual air discharge design
- Professional in-line tube configuration
- Forced draft provides even air distribution
- Low energy fans
- Powder coated smooth aluminium case
- Venturi distributor for multiple refrigerants
- Stainless steel fixings
- Flush mount ceiling brackets
- Fans pre-wired to IP54 junction box
- Fold down drip trays with threaded central drain connections
- Blue Fin protection
- Air by-pass sheets with special drainage system



## DH SERIES - MEDIUM TEMPERATURE SELECTION DATA

Cat. No.	Part No.	Capacity @ 0C SST & 10 KTD : Watts		Air Flow l/s	Air Throw m	No. & Dia. of Fans	Fan Motors			Connections	
		"R404A (EN 328 SC1)"	"R134a (EN 328 SC1)"				Total Watts	Total Amps	Heat/ 24 Hrs Total Watts	Liq."	Suct"

### 300mm and 350mm Diameter Fan Models - 4mm Fin Spacing

3509049	DH4B1/30	3180	2894	433	6	1 x 300	72	0.32	1728	12	12
3509050	DH4C1/30	3820	3476	422							
	DH4B1/35	4600	4186	653							
	DH4C1/35	5720	5205	606	5	1 x 350	140	0.60	3360		58
3509051	DH4D1/35	6440	5860	569							
3509052	DH4E1/35	6880	6261	544	7	2 x 300	144	0.64	3456		34
	DH4C2/30	7740	7743	844							
3509053	DH4B2/35	8750	7963	1306	8	2 x 350	280	1.20	6720	58	78
3509054	DH4C2/35	11550	10511	1211							
3509055	DH4D2/35	12730	11584	1139	7	3 x 350	420	1.80	10080		118
3509056	DH4E2/35	14160	12886	1089							
3509057	DH4C3/35	17380	15816	1817	8	4 x 350	560	2.40	13440	78	138
3509058	DH4D3/35	19690	17918	1708							
3509059	DH4E3/35	21160	19256	1633	8	4 x 350	560	2.40	13440	78	138
3509060	DH4D4/35	26130	23778	2278							
3509061	DH4E4/35	28410	25853	2178							

### 500mm Diameter Fan Models - 4mm Fin Spacing

3509062	DH4C1/50	17240	15688	2033	22	1 x 500	770	1.70	18480	58	1 1/8	
3509063	DH4D1/50	20300	18473	1975	21							
3509064	DH4E1/50	22400	20384	1922	20							
3509065	DH4G1/50	25630	23323	1808	18	2 x 500	1540	3.40	36960		78	1 3/8
3509066	DH4C2/50	34990	31841	4067	22							
3509067	DH4D2/50	40950	37265	3950	21							
3509068	DH4E2/50	45340	41259	3844	20							
3509069	DH4G2/50	52000	47320	3617	18	3 x 500	2310	5.10	55440	118	2 1/8	
3509070	DH4D3/50	61410	55883	5925	21							
3509071	DH4E3/50	68870	62672	5767	20							
3509072	DH4G3/50	75860	69033	5425	18							

### Refrigerant Correction Multiplier

Refrigerant	R404A	R507	R134a	R22
Capacity Multiplier	1.0	1.0	0.91	0.95

\*Internally equalised expansion valve required.

# DH SERIES - MEDIUM TEMPERATURE DIMENSION DATA

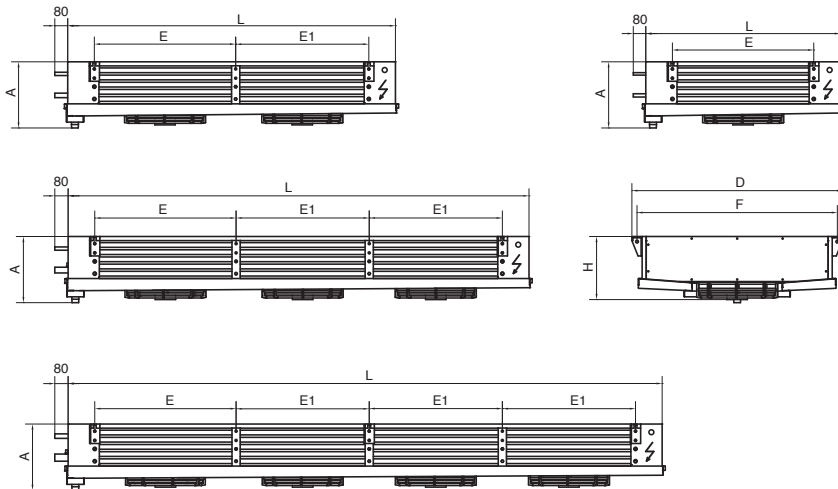
Cat. No.	Part No.	Drain BSP"	Weight kg	Overall Dim: mm						
				L	D	H	E	E1	F	A

## 300mm and 350mm Diameter Fan Models - 4mm Fin Spacing

3509049	DH4B1/30	1	27	750	1028	308	490	NA	978	323
3509050	DH4C1/30	1	29	750	1028	308	490	NA	978	323
	DH4B1/35	1	32	950	1028	308	690	NA	978	323
	DH4C1/35	1	35	950	1028	308	690	NA	978	323
3509051	DH4D1/35	1	38	950	1028	308	690	NA	978	323
3509052	DH4E1/35	1	41	950	1028	308	690	NA	978	323
	DH4B2/30	1	43	1200	1028	308	940	NA	978	323
	DH4C2/30	1	47	1200	1028	308	940	NA	978	323
3509053	DH4B2/35	1	55	1600	1028	308	1340	NA	978	323
3509054	DH4C2/35	1	61	1600	1028	308	1340	NA	978	323
3509055	DH4D2/35	1	67	1600	1028	308	1340	NA	978	323
3509056	DH4E2/35	1	72	1600	1028	308	1340	NA	978	323
3509057	DH4C3/35	1	84	2250	1028	308	1990	NA	978	323
3509058	DH4D3/35	1	92	2250	1028	308	1990	NA	978	323
3509059	DH4E3/35	1	100	2250	1028	308	1990	NA	978	323
3509060	DH4D4/35	1	120	2900	1028	308	1340	1300	978	323
3509061	DH4E4/35	1	130	2900	1028	308	1340	1300	978	323

## 500mm Diameter Fan Models - 4mm Fin Spacing

3509062	DH4C1/50	1 1/4	103	1420	1110	480	1120	NA	1060	475
3509063	DH4D1/50	1 1/4	110	1420	1110	480	1120	NA	1060	475
3509064	DH4E1/50	1 1/4	116	1420	1110	480	1120	NA	1060	475
3509065	DH4G1/50	1 1/4	138	1420	1250	480	1120	NA	1200	475
3509066	DH4C2/50	1 1/4	183	2500	1110	480	1120	1080	1060	475
3509067	DH4D2/50	1 1/4	197	2500	1110	480	1120	1080	1060	475
3509068	DH4E2/50	1 1/4	213	2500	1110	480	1120	1080	1060	475
3509069	DH4G2/50	1 1/4	250	2500	1250	480	1120	1080	1200	475
3509070	DH4D3/50	1 1/4	275	3580	1110	480	1120	1080	1060	475
3509071	DH4E3/50	1 1/4	297	3580	1110	480	1120	1080	1060	475
3509072	DH4G3/50	1 1/4	363	3580	1250	480	1120	1080	1200	475



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