



Producer: **ECO Modine**  
 Line: **CTE**  
 Model: **CTE 501B8**  
 Cooling capacity [kW]: **13.05**  
 Air flow [m<sup>3</sup>/h]: **7,110**  
 Fin spacing [mm]: **8.5**  
 Air throw [m]: **27**  
 Fans [n° x ømm]: **1 x 500**

## Data

### Evaporator technical data

Air flow	[m <sup>3</sup> /h]	7,110
Air throw	[m]	27
Air throw streamers	[m]	36.0
Surface internal	[m <sup>2</sup> ]	8.60
Surface external	[m <sup>2</sup> ]	36.00
Inner volume	[dm <sup>3</sup> ]	15.6
Fin spacing	[mm]	8.5
Net weight	[kg]	81.00

### Fans technical data

Fan quantity		1
Fan diameter	[mm]	500
Fans power	[W]	770
Fan current	[A]	1.70
Fans power (EC)	[W]	500
Fan current (EC)	[A]	0.95
Fan power supply		400V/3Ph/50Hz

### Defrost

Electric defrost power	[W]	5,040
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### Connections

Coil connection pairs		1
Coil connection (inlet)	[mm]	22
Coil connection (outlet)	[mm]	35
Drain connection diameter	[inch]	2

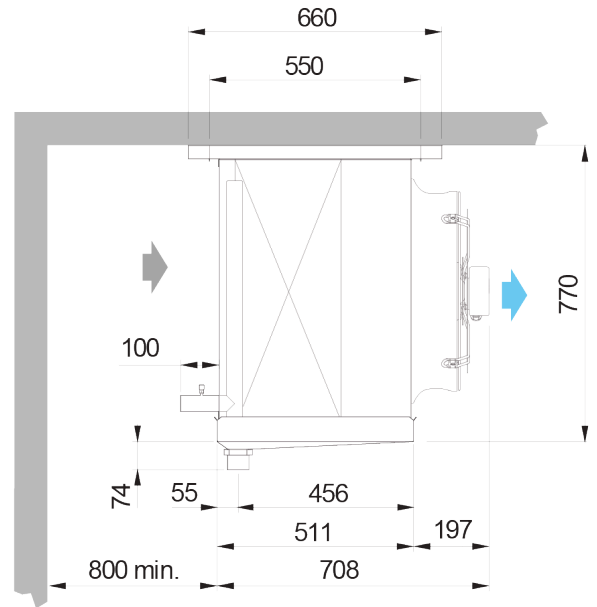
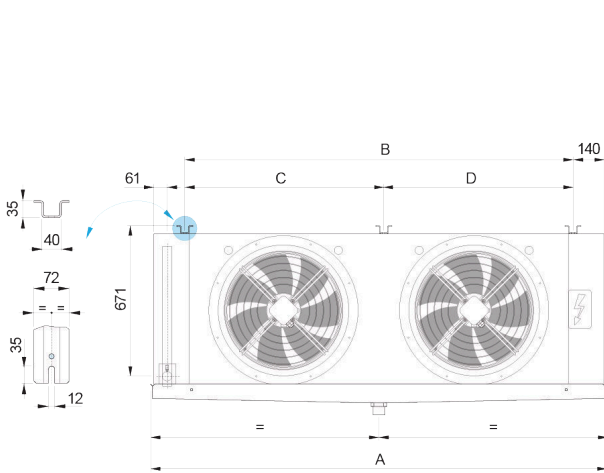
## Performance

Nominal conditions: refrigerant: R404A , evaporation (dew point): -8 °C, inlet air temperature: 0 °C, humidity: 85 %

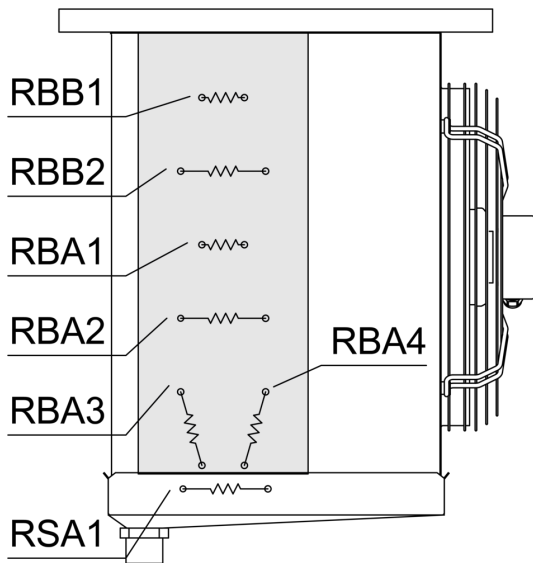
### Cooling capacity [kW]

		Air inlet temperature [°C]											
		<b>-35</b>	<b>-30</b>	<b>-25</b>	<b>-20</b>	<b>-15</b>	<b>-10</b>	<b>-5</b>	<b>0</b>	<b>2</b>	<b>5</b>	<b>10</b>	<b>12</b>
Temperature difference [K]	<b>4</b>	5.67	5.67	5.74	5.89	6.05	6.21	6.37	6.52	6.98	7.66	7.66	7.66
	<b>5</b>	7.09	7.09	7.17	7.37	7.56	7.76	7.96	8.16	8.72	9.57	9.57	9.57
	<b>6</b>	8.51	8.51	8.60	8.84	9.08	9.31	9.55	9.79	10.45	11.50	11.50	11.50
	<b>7</b>	9.93	9.93	10.05	10.30	10.60	10.85	11.15	11.40	12.20	13.40	13.40	13.40
	<b>8</b>	11.35	11.35	11.45	11.80	12.10	12.40	12.75	13.05	13.95	15.30	15.30	15.30
	<b>9</b>	12.75	12.75	12.90	13.25	13.60	13.95	14.35	14.70	15.70	17.25	17.25	17.25
	<b>10</b>	14.20	14.20	14.35	14.75	15.15	15.50	15.90	16.30	17.45	19.15	19.15	19.15

**Dimensions**



**8RR**



Length	[mm]	1,184
Width	[mm]	808
Height	[mm]	770
Dimension A	[mm]	1184
Dimension B	[mm]	880