

**Type: Ceiling unit coolers**

**Producer: ECO**

**Series: DFE**

## **Model: DFE 141-7**

### **Evaporator technical data**

Speed:	<u>low</u>	<u>high</u>
Air flow [m <sup>3</sup> /h]:	6000	7750
Air throw [m]:	2x10	2x13
Heat exchange surface [m <sup>2</sup> ]:		38
Inner volume [dm <sup>3</sup> ]:		12,6
fin spacing [mm]:		7
Weight [kg]:		80

### **Fans technical data**

Count:		5
Diameter [mm]:		315
Speed:	<u>low</u>	<u>high</u>
RPM [min <sup>-1</sup> ]:	1090	1340
Power input [W]:	475	550
Current [A]:	2,15	2,5
Power supply [V/f/Hz]:		230V/1/50Hz

### **Defrost**

Electric [W]:		7500
Power supply [V/f/Hz]:		400V/3/50Hz

### **Connections**

	<u>milimeters</u>	<u>inches (GAS)</u>
Inlet:		5/8"
Outlet:	35	
Drain:		1"

**R404A/R507**
**Cooling capacity [kW] (high speed)**

<b>TD \ t<sub>a</sub></b>	<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>	4.87	4.87	4.92	5.06	5.19	5.33	5.46	5.60	5.99
<b>6</b>	5.84	5.84	5.91	6.07	6.23	6.40	6.56	6.72	7.19
<b>7</b>	6.82	6.82	6.89	7.08	7.27	7.46	7.65	7.84	8.39
<b>8</b>	7.79	7.79	7.88	8.09	8.31	8.53	8.74	8.96	9.58
<b>9</b>	8.77	8.77	8.86	9.11	9.35	9.59	9.84	10.08	10.78
<b>10</b>	9.74	9.74	9.85	10.12	10.39	10.66	10.93	11.20	11.98
<b>11</b>	10.71	10.71	10.83	11.13	11.43	11.72	12.02	12.32	13.18
<b>12</b>	11.69	11.69	11.82	12.14	12.47	12.79	13.12	13.44	14.37
<b>13</b>	12.66	12.66	12.80	13.15	13.50	13.86	14.21	14.56	15.57
<b>14</b>	13.63	13.63	13.79	14.17	14.54	14.92	15.30	15.68	16.77
<b>15</b>	14.61	14.61	14.77	15.18	15.58	15.99	16.39	16.80	17.97

**Cooling capacity [kW] (low speed)**

<b>TD \ t<sub>a</sub></b>	<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>	4.09	4.09	4.13	4.25	4.36	4.47	4.59	4.70	5.03
<b>6</b>	4.90	4.90	4.96	5.10	5.23	5.37	5.50	5.64	6.03
<b>7</b>	5.72	5.72	5.79	5.94	6.10	6.26	6.42	6.58	7.04
<b>8</b>	6.54	6.54	6.61	6.79	6.98	7.16	7.34	7.52	8.04
<b>9</b>	7.36	7.36	7.44	7.64	7.85	8.05	8.26	8.46	9.05
<b>10</b>	8.17	8.17	8.26	8.49	8.72	8.95	9.17	9.40	10.05
<b>11</b>	8.99	8.99	9.09	9.34	9.59	9.84	10.09	10.34	11.06
<b>12</b>	9.81	9.81	9.92	10.19	10.46	10.74	11.01	11.28	12.06
<b>13</b>	10.63	10.63	10.74	11.04	11.33	11.63	11.92	12.22	13.07
<b>14</b>	11.44	11.44	11.57	11.89	12.21	12.52	12.84	13.16	14.08
<b>15</b>	12.26	12.26	12.40	12.74	13.08	13.42	13.76	14.10	15.08

 t<sub>a</sub> - Room temperature [°C]

TD - Difference between evaporating and room temperature [K]



**Error: Cannot load image. Report this error please**

A	3085 mm
B	2724 mm
C	1087 mm
D	1637 mm
E	250 mm

