

Type: Ceiling unit coolers

Producer: ECO

Series: DFE

Model: DFE 170-7

Evaporator technical data

| | | |
|--|------------|-------------|
| Speed: | <u>low</u> | <u>high</u> |
| Air flow [m ³ /h]: | 7200 | 9300 |
| Air throw [m]: | 2x12 | 2x15 |
| Heat exchange surface [m ²]: | | 45,6 |
| Inner volume [dm ³]: | | 15 |
| fin spacing [mm]: | | 7 |
| Weight [kg]: | | 99 |

Fans technical data

| | | |
|---------------------------|------------|-------------|
| Count: | | 6 |
| Diameter [mm]: | | 315 |
| Speed: | <u>low</u> | <u>high</u> |
| RPM [min ⁻¹]: | 1090 | 1340 |
| Power input [W]: | 570 | 660 |
| Current [A]: | 2,58 | 3 |
| Power supply [V/f/Hz]: | | 230V/1/50Hz |

Defrost

| | | |
|------------------------|--|-------------|
| Electric [W]: | | 8550 |
| Power supply [V/f/Hz]: | | 400V/3/50Hz |

Connections

| | | |
|---------|-------------------|---------------------|
| | <u>milimeters</u> | <u>inches (GAS)</u> |
| Inlet: | 16 | 5/8" |
| Outlet: | 35 | 1 3/8" |
| Drain: | 25 | 1" |

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

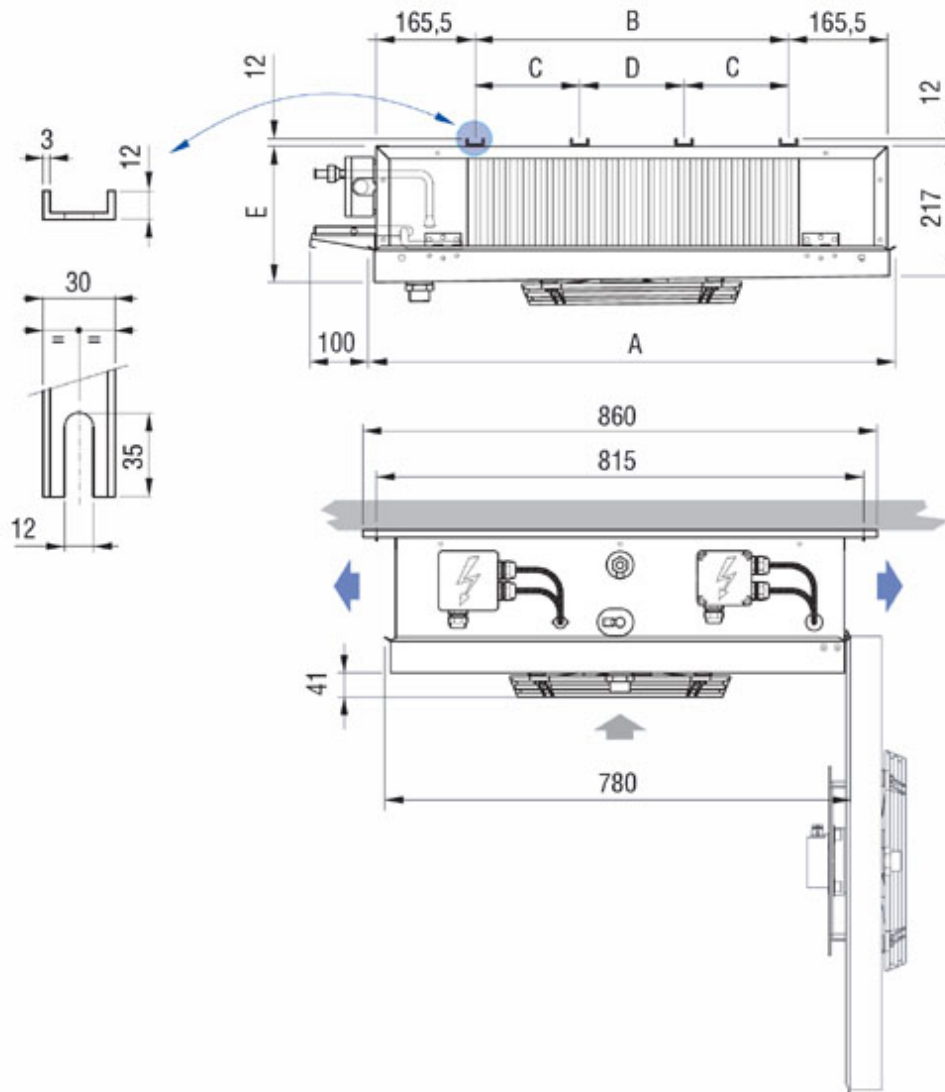
| TD \ t_a | -35 | -30 | -25 | -20 | -15 | -10 | -5 | 0 | 2 |
|---------------------------|------------|------------|------------|------------|------------|------------|-----------|----------|----------|
| 5 | 5.82 | 5.82 | 5.88 | 6.04 | 6.20 | 6.36 | 6.53 | 6.69 | 7.15 |
| 6 | 6.98 | 6.98 | 7.06 | 7.25 | 7.44 | 7.64 | 7.83 | 8.03 | 8.58 |
| 7 | 8.14 | 8.14 | 8.23 | 8.46 | 8.68 | 8.91 | 9.14 | 9.36 | 10.01 |
| 8 | 9.30 | 9.30 | 9.41 | 9.67 | 9.92 | 10.18 | 10.44 | 10.70 | 11.44 |
| 9 | 10.47 | 10.47 | 10.58 | 10.87 | 11.17 | 11.46 | 11.75 | 12.04 | 12.87 |
| 10 | 11.63 | 11.63 | 11.76 | 12.08 | 12.41 | 12.73 | 13.05 | 13.38 | 14.31 |
| 11 | 12.79 | 12.79 | 12.94 | 13.29 | 13.65 | 14.00 | 14.36 | 14.71 | 15.74 |
| 12 | 13.96 | 13.96 | 14.11 | 14.50 | 14.89 | 15.27 | 15.66 | 16.05 | 17.17 |
| 13 | 15.12 | 15.12 | 15.29 | 15.71 | 16.13 | 16.55 | 16.97 | 17.39 | 18.60 |
| 14 | 16.28 | 16.28 | 16.46 | 16.92 | 17.37 | 17.82 | 18.27 | 18.73 | 20.03 |
| 15 | 17.45 | 17.45 | 17.64 | 18.12 | 18.61 | 19.09 | 19.58 | 20.06 | 21.46 |

Cooling capacity [kW] (low speed)

| TD \ t_a | -35 | -30 | -25 | -20 | -15 | -10 | -5 | 0 | 2 |
|---------------------------|------------|------------|------------|------------|------------|------------|-----------|----------|----------|
| 5 | 4.90 | 4.90 | 4.96 | 5.09 | 5.23 | 5.37 | 5.50 | 5.64 | 6.03 |
| 6 | 5.88 | 5.88 | 5.95 | 6.11 | 6.27 | 6.44 | 6.60 | 6.77 | 7.24 |
| 7 | 6.86 | 6.86 | 6.94 | 7.13 | 7.32 | 7.51 | 7.70 | 7.89 | 8.44 |
| 8 | 7.84 | 7.84 | 7.93 | 8.15 | 8.37 | 8.58 | 8.80 | 9.02 | 9.65 |
| 9 | 8.82 | 8.82 | 8.92 | 9.17 | 9.41 | 9.66 | 9.90 | 10.15 | 10.85 |
| 10 | 9.80 | 9.80 | 9.91 | 10.19 | 10.46 | 10.73 | 11.00 | 11.28 | 12.06 |
| 11 | 10.78 | 10.78 | 10.90 | 11.20 | 11.50 | 11.80 | 12.10 | 12.40 | 13.27 |
| 12 | 11.77 | 11.77 | 11.90 | 12.22 | 12.55 | 12.88 | 13.20 | 13.53 | 14.47 |
| 13 | 12.75 | 12.75 | 12.89 | 13.24 | 13.60 | 13.95 | 14.30 | 14.66 | 15.68 |
| 14 | 13.73 | 13.73 | 13.88 | 14.26 | 14.64 | 15.02 | 15.40 | 15.79 | 16.88 |
| 15 | 14.71 | 14.71 | 14.87 | 15.28 | 15.69 | 16.10 | 16.50 | 16.91 | 18.09 |

 t_a - Room temperature [°C]

TD - Difference between evaporating and room temperature [K]



| | |
|---|---------|
| A | 3635 mm |
| B | 3274 mm |
| C | 1087 mm |
| D | 1100 mm |
| E | 255 mm |

