# CED-E | PERFORMANCE

## CED-E | Performance Table

| MODEL | Nozzle Width (in.) | Max. FPM at Nozzle | Avg. Outlet Velocity (FPM) | Airflow Rate (CFM) | Outlet Velocity Uniformity | Power Rating (kW) | Number of Motors | Motor HP | Heater kW | Temp. Rise (˚F) | Weight (lbs) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| CED-1-36E | 36 | 3000 | 1074 | 795 | 87% | 0.24 | 1 | 1/2 | 10 | 40 | 88 |
| CED-1-42E | 42 | 3000 | 1030 | 886 | 96% | 0.24 | 1 | 1/2 | 10 | 36 | 95 |
| CED-1-48E | 48 | 3000 | 987 | 967 | 94% | 0.25 | 1 | 1/2 | 10 | 33 | 102 |
| CED-1-60E | 60 | 3000 | 822 | 1011 | 89% | 0.25 | 1 | 1/2 | 10 | 32 | 113 |
| CED-2-72E | 72 | 3000 | 1074 | 1590 | 87% | 0.48 | 2 | 1/2 | 20 | 40 | 172 |
| CED-2-84E | 84 | 3000 | 1030 | 1772 | 96% | 0.48 | 2 | 1/2 | 20 | 36 | 192 |
| CED-2-96E | 96 | 3000 | 987 | 1934 | 94% | 0.50 | 2 | 1/2 | 20 | 33 | 206 |
| CED-3-108E | 108 | 3000 | 1074 | 2385 | 87% | 0.72 | 3 | 1/2 | 30 | 40 | 244 |
| CED-3-120E | 118 | 3000 | 1039 | 2557 | 87% | 0.73 | 3 | 1/2 | 30 | 37 | 272 |
| CED-3-132E | 133 | 3000 | 9660 | 2601 | 87% | 0.73 | 3 | 1/2 | 30 | 37 | 285 |
| CED-4-144E | 145 | 3000 | 1074 | 3180 | 87% | 0.96 | 4 | 1/2 | 40 | 40 | 344 |
| CED-4-156E | 157 | 3000 | 1051 | 3362 | 87% | 0.96 | 4 | 1/2 | 40 | 38 | 362 |
| CED-4-168E | 169 | 3000 | 1030 | 3554 | 96% | 0.96 | 4 | 1/2 | 40 | 36 | 380 |

**!** **For a unit over 14 feet long, or a non-standard electric heater kW, consult factory.**

## CED-E | Velocity Projection

| Distance From Nozzle | 40” | 80” | 120” | 160” |
|---|---|---|---|---|
| CED--1-36E Core Velocity (fpm) | 859 | 675 | 542 | 437 |

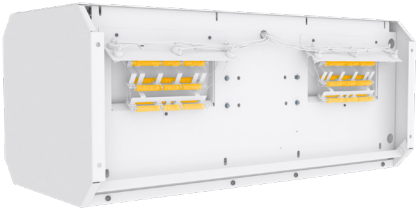
## CED-E | Sound Levels

| | |
|---|---|
| Measured 10 ft. from unit in a free field based on a 1 motor unit | 53 dBA |

## CED-E | Single Phase Motor Options

| | | | |
|---|---|---|---|
| Voltages available | 120 | 208/230 | 480 |
| Amp draw per motor | 2.5 | 1.4 | 0.7 |

**Note:**
575v is transformed down to 120v



### Performance Highlight

Heating elements are mounted inside the plenum, on the discharge side of the blowers. Here, heat won't affect motor life and the heaters are protected from dust that would accumulate on them if they were mounted on the air intake.

**The AMCA Certified Ratings Seal applies to airflow rate, average outlet velocity, outlet velocity uniformity, velocity projection and power rating at free delivery only. Rated data shown are based on tests of units with heating elements present but not in use.**

Powered Aire Inc. certifies that the Model CED-E Air Curtain shown herein is licensed to bear the AMCA Seal for Air Performance. The ratings shown are based on tests and procedures performed in accordance with AMCA Publication 211 and comply with the requirements of the AMCA Certified Ratings Program.

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