

## Unheated and Electric Heat

The Customer Entrance Door air curtain is specially designed for high traffic retail facilities where customer satisfaction is key. The CED has a gentle airflow and its unique plenum design helps make it one of the quietest air curtains in the industry. Available in unheated and electrically heated versions. Electrically heated units are constructed so the electric heaters are in the plenum, downstream of the motors. Customer Entrance Door units are manufactured in single increments that can be provided up to 12 feet wide. All units are direct drive, which avoids misalignment of couplers and outboard bearings and eliminates belt replacement.

## Key Design Features

- Stainless steel case is 18 gauge 304 stainless steel in a number three finish.
- Heavy duty 1/2 HP motors. 1075 rpm each. 50/60 cycle. Dual speed.
- Galvanized fans.
- Air intake screen is perforated stainless steel with mill grain finish.
- High efficiency discharge plenum ensures that air being discharged fills the entire width and height of the opening. This also lowers the unit's operational sound level.
- Directional air foil vane factory set to facilitate deflection of air stream +/-20 degrees.
- Optional 1/2 inch cleanable filter.
- 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.



### Recommended Controls

- Remote mounted High/Off/Low Switch
- Thermostat (if electrically heated unit)
- Time Delay Relay
- Magnetic Door Switch for activation

**Sound level: High speed: 53 dBA / Low speed: 51 dBA** (Measured 10 ft. from unit in a free field based on a 1 motor unit)

	CED-1-36 (E)	CED-1-42 (E)	CED-1-48 (E)	CED-1-60 (E)	CED-2-60 (E)	CED-2-72 (E)	CED-2-84 (E)	CED-2-96 (E)	CED-3-108 (E)	CED-3-120 (E)	CED-3-132 (E)	CED-4-144 (E)
Nozzle width (in.)	36	42	48	60	60	72	84	96	108	118	133	145
Max. FPM at nozzle	H: 1904 L: 1748	H: 1904 L: 1748	H: 1904 L: 1748	H: 1904 L: 1748	H: 1904 L: 1748	H: 1904 L: 1748	H: 1904 L: 1748	H: 1904 L: 1748	H: 1904 L: 1748	H: 1904 L: 1748	H: 1904 L: 1748	H: 1904 L: 1748
Avg. FPM	H: 1570 L: 1408	H: 1346 L: 1207	H: 1178 L: 1056	H: 942 L: 845	H: 1413 L: 1268	H: 1570 L: 1408	H: 1346 L: 1207	H: 1178 L: 1056	H: 1570 L: 1408	H: 1421 L: 1274	H: 1178 L: 1056	H: 1570 L: 1408
Max. CFM	H: 1309 L: 1202	H: 1527 L: 1402	H: 1745 L: 1603	H: 1790 L: 1650	H: 2332 L: 2254	H: 2618 L: 2404	H: 3054 L: 2804	H: 3490 L: 3204	H: 3928 L: 3606	H: 4364 L: 4006	H: 4950 L: 4658	H: 5236 L: 4808
CFM @ Nozzle	H: 1005 L: 961	H: 1079 L: 968	H: 1094 L: 983	H: 1084 L: 977	H: 1620 L: 1453	H: 2159 L: 1936	H: 2093 L: 1896	H: 2170 L: 1942	H: 3239 L: 2905	H: 3230 L: 2900	H: 3247 L: 2912	H: 4318 L: 3872
Outlet Velocity Uniformity	95%	93%	92%	91%	95%	95%	93%	92%	92%	95%	95%	95%
Number of motors	1	1	1	1	2	2	2	2	3	3	3	4
Motor HP	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
Heater Kilowatts	10	10	10	10	15	20	20	20	30	30	30	40
Temp. Rise Degrees (F)	H 29 L 33	H 29 L 33	H 29 L 33	H 29 L 33	H 29 L 33	H 29 L 33	H 29 L 33	H 29 L 33	H 29 L 33	H 29 L 33	H 29 L 33	H 29 L 33
Weight Unheated/Heated	83/88	90/95	97/102	111/113	140/150	162/172	182/192	196/206	239/244	267/272	276/285	324/344

**Single Phase Motor Voltage Available: 120 208/230 480** NOTE: 575 motor voltage is transformed down to 120v  
 Amp Draw Per Motor: 2.5 1.4 0.7



**MADE IN THE USA**



**Intertek**

\*\* For unit over 12 feet long and nonstandard electric heater consult factory.