

Cellulose Evaporative Cooler (Economical)

EC 0550e - EC 0700e



30% Cooler than aspen pad evaporative cooler



Features

- CE Certified, 801382008480
- ISIRI Certified
- More efficient performance to achieve comfort zone
- 30% Cooler than aspen pad evaporative cooler during the season
- Health breathing
- Low power consumption
- Life protection system
- Strong structure, low vibration and noise



Easy maintenance



High Efficiency



Safety control
RCCB



Easy
installation



Low noise



EU Standard



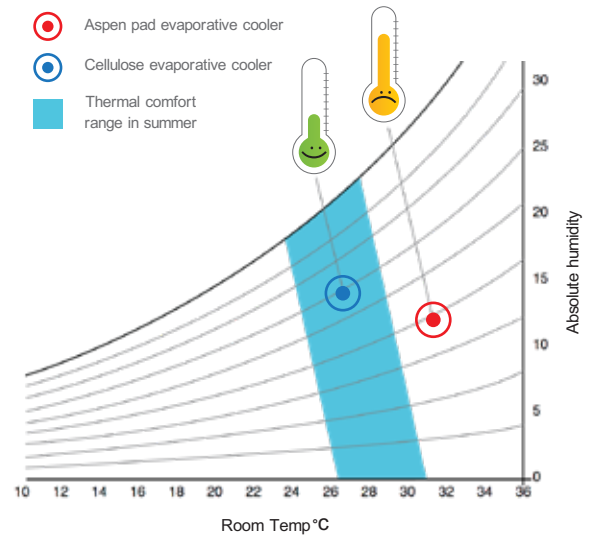
ISIRI

Evaporative (Economical) EC 0550e-EC0700e

More efficient performance to achieve comfort zone

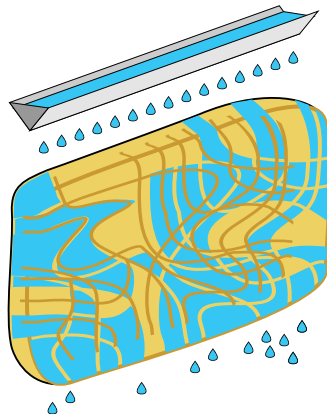
Responsive in hot and dry areas up to 42 °C

State/ Country	Summer weather conditions		Room temperature with cellulose cooler °C	Room temperature with aspen cooler °C
	Relative humidity %	dB Temperature °C		
Kashan/ Iran	18.5	42	27	31

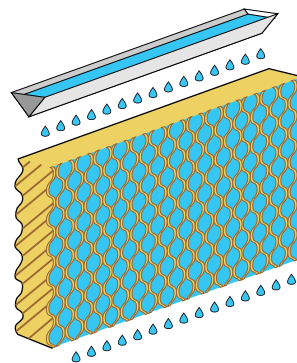


30% Cooler than aspen pad evaporative cooler

- More water absorption and evaporative cooling efficiency: One cubic meter of cellulose pad can absorb 100 liters of water
- Uniform distribution of water on the surface of the pad and the absence of dry area.
- higher air-to-water contact surface than aspen pad
- Steady cellulose pad thickness (7 cm)



Non of Uniform distribution of water



Uniform distribution of water
in the cellulose pad

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Health breathing

- Special geometric structure and thickness of cellulose pad: Reduce the transfer of water droplets dust and harmful bacteria
- Special coating of industrial resin in cellulose pads: reducing the growth of fungi and bacteria
- Airflow free of aspen particles



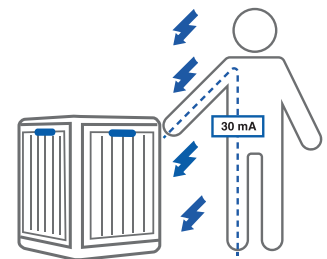
Low consumption

- Cooler air distribution than aspen pad evaporative cooler and more operation at low speed.
- High cooling efficiency and reaching comfort temperature in a shorter time.
- Reduce air pressure drop (reduce motor power consumption).



Life protection system

- Safety control RCCB (Residual-Current Circuit Breaker):**
Automatic shutdown in case of power leakage of more than 30 mA (Danger range for humans).
- Double-Pole Circuit Breakers:**
Circuit Breakers both phase and null to protect against wiring errors during installation and service.



Low noise and vibration

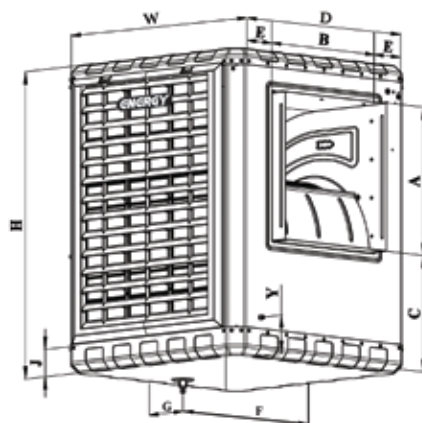
- Static and dynamic fan balance
- Rubber shock absorber and washer
- Standard galvanized sheet: 0.9mm



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Technical specifications and dimensions table



Specifications	Unit	EC 0700e	EC 0550e
Air Flow	m ³ /h (cfm)	7990 (4700)	6460 (3800)
Motor power	hp (kw)	3/4 (0.5)	1/2 (0.37)
Electrical	ph	1	1
	V (Volt)	220	220
	I (A)	5	3.6
Weight + (Water Weight)	Kg	69 (50)	61 (50)
Dimensions	D (cm)	90	90
	W (cm)	90	90
	H (cm)	111	99
Outlet Dimensions	A (cm)	54	48.5
	B (cm)	52	48.2
	C (cm)	42.5	30.2
Water overflow positions	F (cm)	45	45
	G (cm)	20	20
Water tank height	J (cm)	10	10
Water inlet height	Y (cm)	14.3	14.3
Duct Length (Max)	m	15	12



EC 0700e



EC 0550e

TDS: 027 / 01

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