



Evaporative Cooler - Polymer Body

Thermostatic & Variable Speed (BLDC)



EU
Standard



Automatic



BLDC
motor



Variable
speed



Low
consumption



Overcoming duct
pressure drop



High
Efficiency



Thermostatic



Timer



Low noise



Remote
control



Child
lock



Air
ventilation



Easy
maintenance



Safety control
RCCB



1 PH

● Polymer body

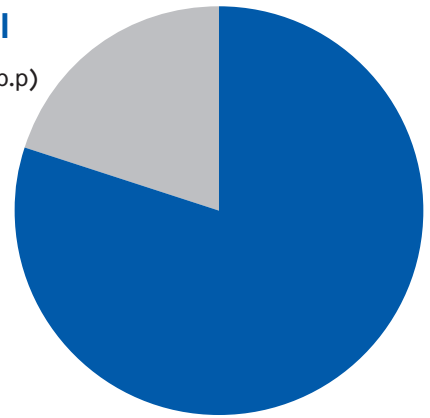
- Beautiful design
- Suitable thickness and weight
- High durability and strength
- Structural stability of the polymerbody with special formulation

● High quality Anti-UV

- No polymer degradation
- Body color stability under sunlight
- High quality European Anti-UV

Body Material

- Polypropylene (p.p)
- Other additives

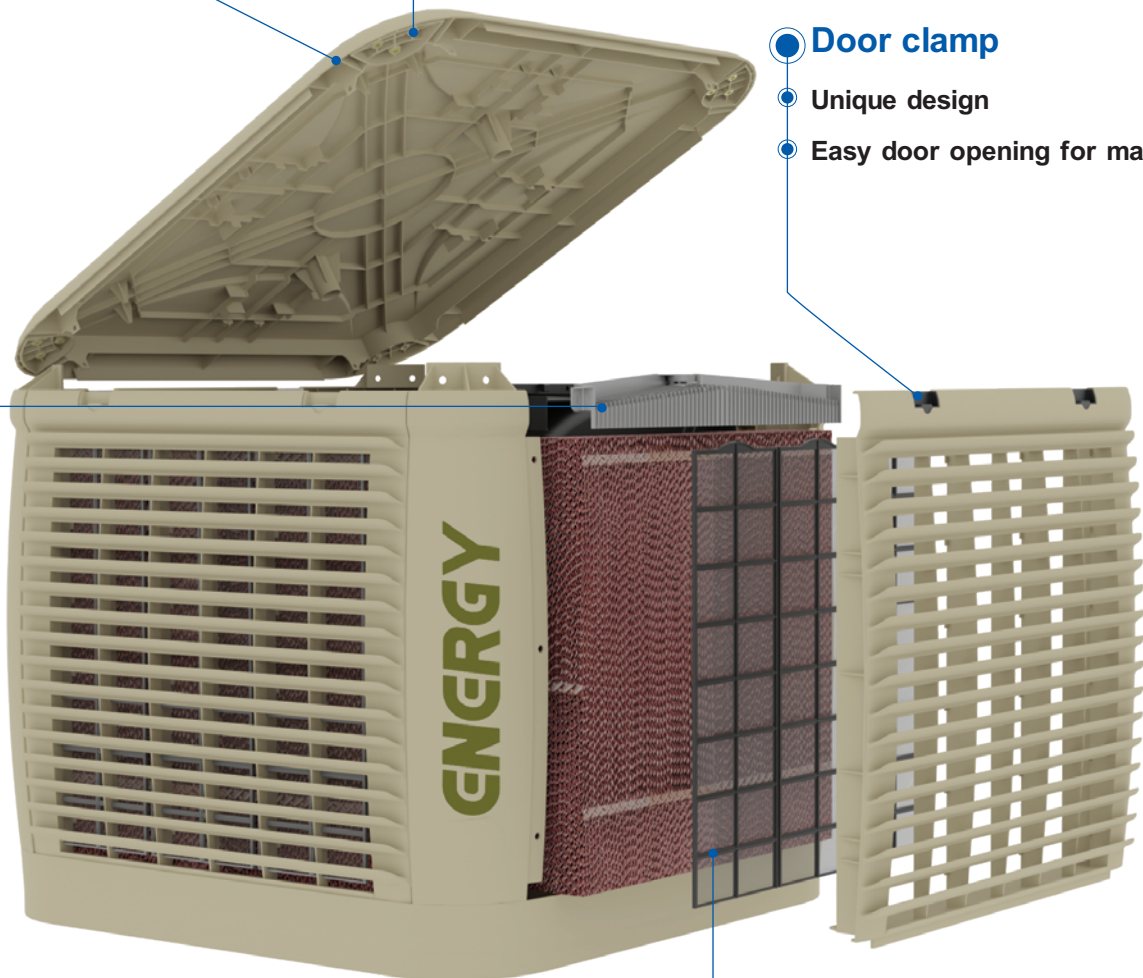


● Inserted Galvanized nuts in Structure

- A durable and sustainable structure with less vibration
- Easy and quick assembly and disassembly

● Door clamp

- Unique design
- Easy door opening for maintenance



● Special water distribution system

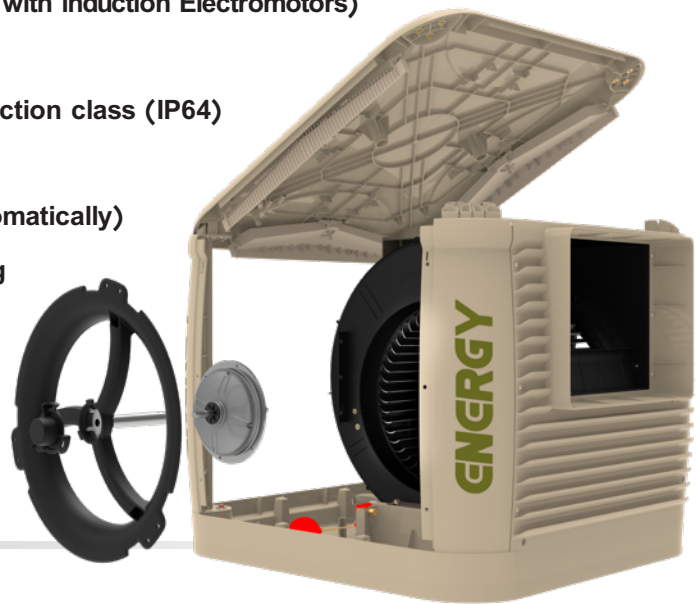
- Uniform distribution of water (combi type system)
- No dry areas on the Cellulose pad

● Air filter

- To prevent dust and insects entering
- Fine texture

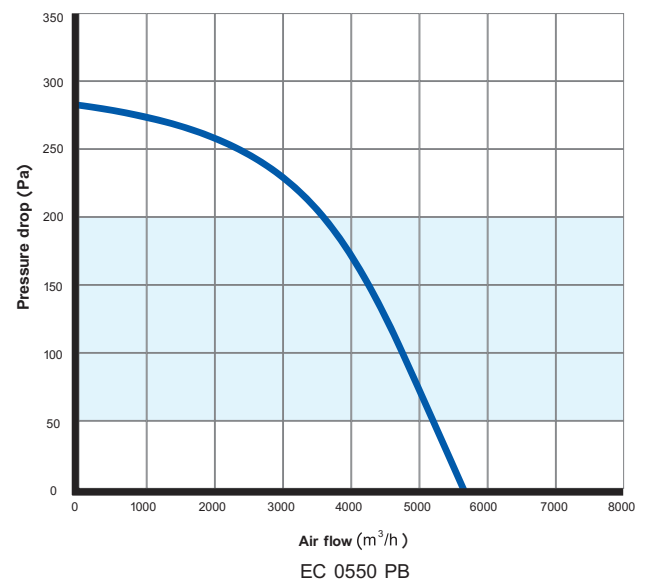
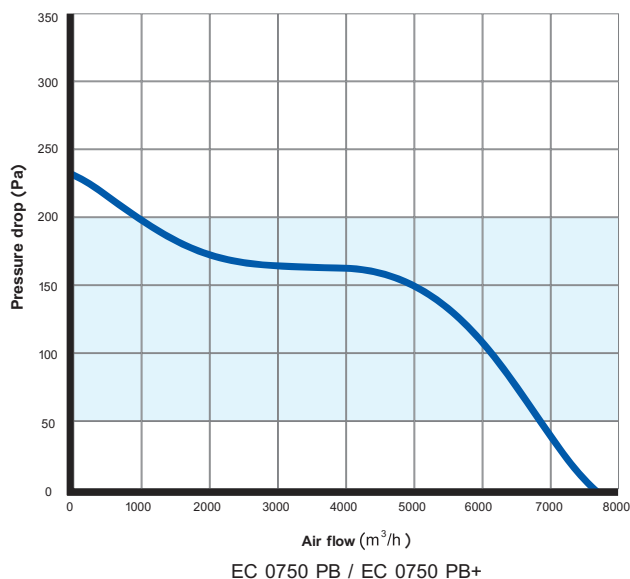
● BLDC Electromotor

- Reduce electricity consumption up to 60% (compare with induction Electromotors)
- Variable speed fan (20 Steps)
- Electromotor with copper wire coil and high protection class (IP64)
- Direct drive motor (without pulley & belt)
- Low-noise operation at set point temprature (Automatically)
- Starting the motor at high speed and smartly changing air flow according to the desired temperature
- Ability to overcome pressure drop caused by air duct condition (Automatically)



● Inverter

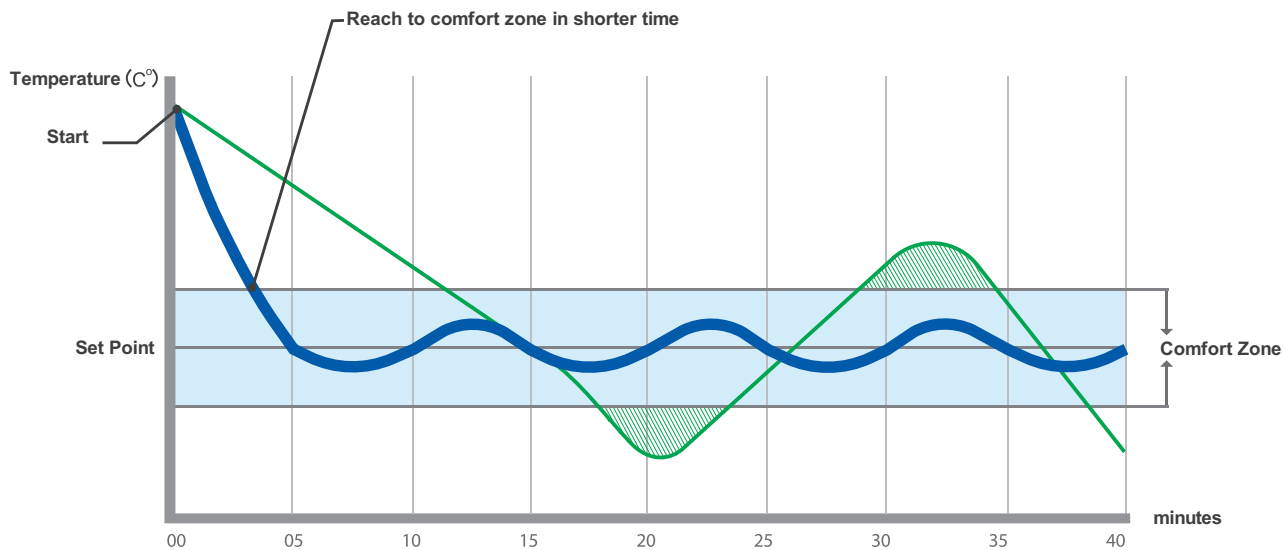
- Using high-quality components and long-life capacitors
- Equipped with EMI electromagnetic filter
- Operating voltage range between 185 to 245 volts.



● Control panel

- Thermostatic color LCD control panel with remote
- Automatic and manual operation
- Device troubleshooting and performance control
- Equipped with an Automatic drainage system and water level sensor
- Safety control RCCB (Residual – Current Circuit Breaker) and double-pole circuit breaker





● Performance chart of BLDC motor with Drive and thermostat

● Performance Chart with a induction Motor (without a thermostat)

● Healthier breathing and higher cooling efficiency with the 4090 Series Cellulose Pad

- Evaporation efficiency of 85% using a special cellulose pad (4090 series) with a thickness of 10 (cm)
- Reducing the transfer of harmful respiratory bacteria due to reduction of the transfer of tiny droplets of unevaporated water in the air flow
- Special coating of industrial resin in cellulose pads: Reducing the growth bacteria

● Special stand

- Special stand made of a combination of metal and polypropylene
- Easy installation
- Height adjustable from 10 to 25 (cm) with small package (easy to carry)
- Easy leveling on sloping surfaces



- NOT: EC0750PB+ equipped with special stand and full touch TFT Control panel



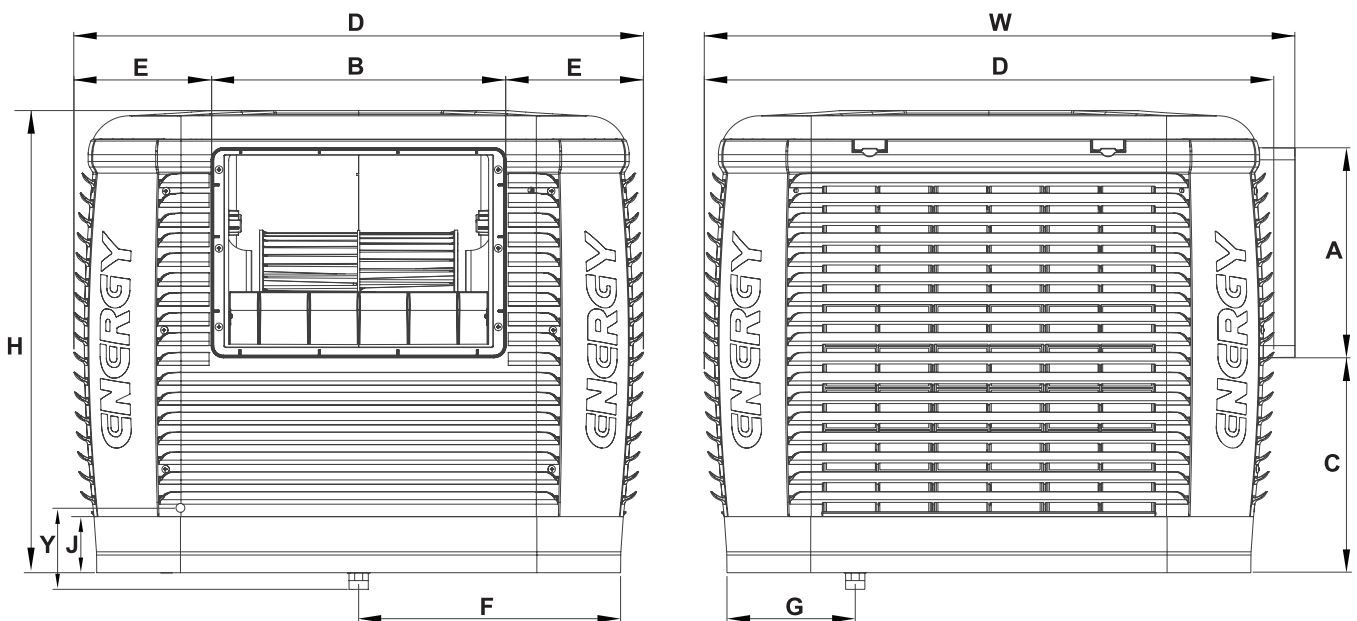


Technical Specifications and Dimensions Table

Specifications	Unit	EC 0550 PB	EC 0750 PB	EC 0750 PB+
Cooling System	-	Evaporative		
Pad Thickness	cm	10		
Cooling Efficiency	%	85		
Air Flow	cfm m³/h	3235 (5500)	4410 (7500)	
Cooling Area (Approx.)	m²	70-100	100-150	
Motor Power	(kW) hp	(0.38) $\frac{1}{2}$	(0.56) $\frac{3}{4}$	
Electrical	A , V , ph	0.6~1.8 ,220 ,1	0.7~3.3, 220, 1	
Weight + (Water Weight)	kg	70+(40)		
Dimensions Height, Length, Width	cm	88×109×113		
Duct Length (Max)	m	20	25	

Model	Body Dimensions			Outlet Dimensions				Water Overflow Position		Tray Height	Water Inlet
	H	W	D	A	B	C	E	F	G	J	Y
EC 0550 PB EC 0750 PB	88	113	109	40	56	41	26	54	29	11	13

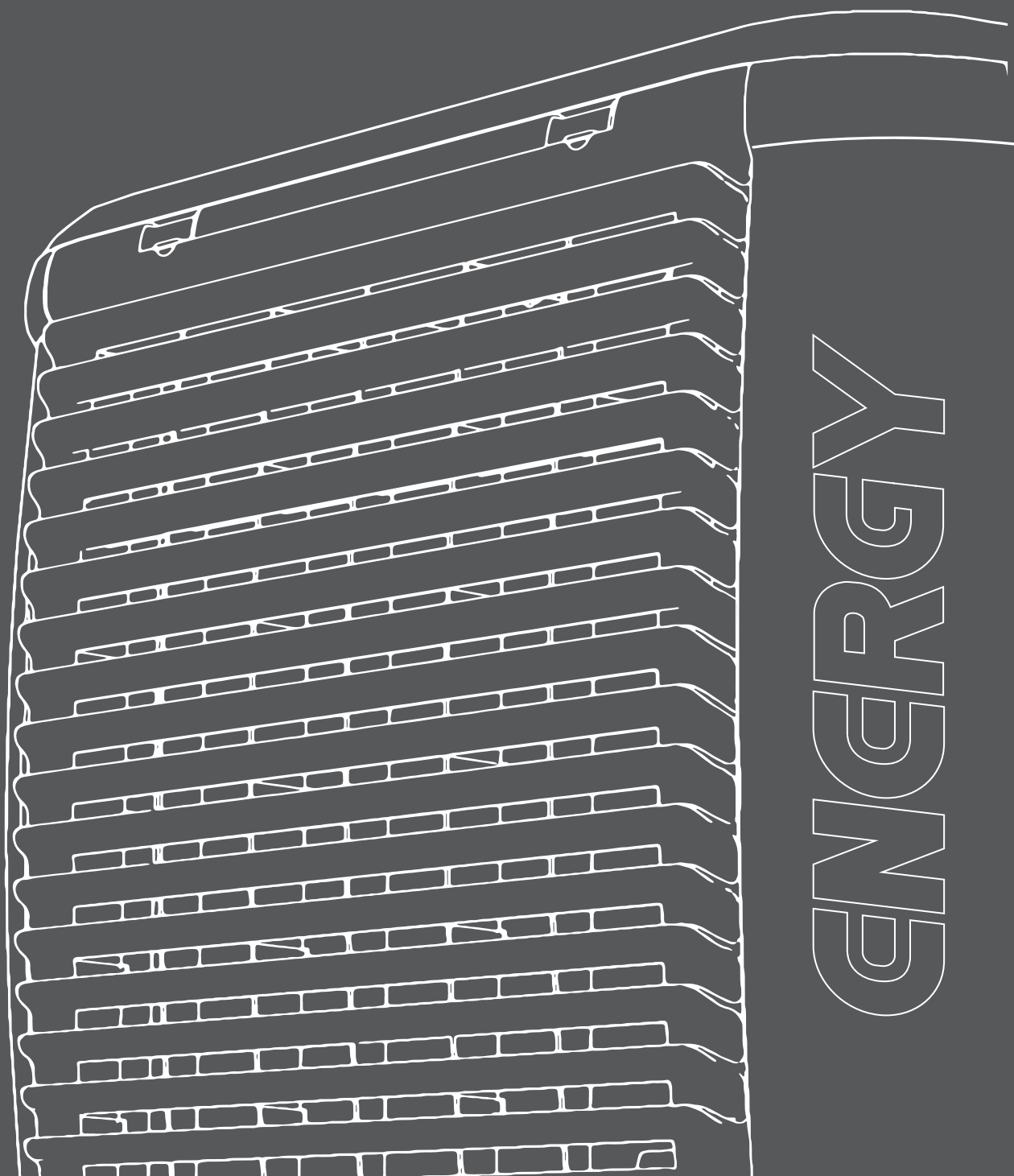
Dimensions are in centimeters.



Applications

- ☒ Residential
- ☒ Office
- ☒ Commercial

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EC 0550 PB



EC 0750 PB

TDS:047/01