

ZEPHYR

ESSENTIALS COLLECTION

DCBL SUPPRESSION SYSTEM[®] TECHNOLOGY

- Industry first BLDC motor
- 77% Less Noise
- Bloom™ HD LED light bulbs
- 77% Less Energy Consumed

DCBL  TM



NEXT GENERATION EUROPA

How do you improve on the classics?

When Zephyr introduced Europa to the US market in 2001, it proved to be the first of its kind in terms of design and value.

Through the years this has remained our core strength but the time has come to evolve the designs that Zephyr has made iconic. And offer a new paradigm in range hood performance.

DCBL SUPPRESSION SYSTEM®

DCBL Suppression System® is the industry's first range hood motor powered by direct current (DC) energy. An evolutionary step from the traditional AC powered range hood, all Next Generation Europa range hoods with DCBL Suppression System® technology provide unparalleled performance and features.

Features like, Bloom™ HD LED light bulbs, the industry's first dimmable LED bulbs and an on-board computer that actively optimizes your range hood's performance.

This technology package has been pioneered by Zephyr engineers, certified by UL testing authorities and reinforces Zephyr's leadership in the range hood market. This powerful combination of technology delivers the MOST forcefully silent range hoods that are also the most energy efficient.

For the first time ever a range hood combines:

- Direct Current energy technology
- HD LED light bulbs with warm light emission and 25,000 hour life
- Integrated PC board that enables:
 - AC to DC energy conversion
 - Range hood operation
 - DC motor optimization
 - LED light source integration
 - Range hood diagnostics

COVER: Verona Island, ABOVE: Modena Island

ZEPHYRONLINE.COM

MORE POWER. MORE EFFICIENT. LESS NOISE.

With DCBL Suppression System[®] we remove unwanted decibels from your kitchen environment, increase your range hood's performance with true working speed benefits and help you do your part for the environment by reducing your range hood's energy consumption by up to 77%. DCBL[™] uses a permanent magnet that allows electricity to be conducted without

DCBL[™] EXCEEDS ENERGY STAR[™] REQUIREMENTS BY 14 CFM/WATT

the use of brushes or metal contacts that cause heat and friction – the main perpetrators of parts failure, noise and wasted energy.

This permanent magnet design also allows us to increase the motor's torque at lower RPMs so that your range hood can move up to 250 CFM on speed level one and operate at 0.8 sones (working speed) to meet your everyday cooking needs. Should you need more power, all range hood's with DCBL Suppression System[®] technology are capable of moving 715 CFM on maximum speed.

Your range hood's CFM levels are determined by the wattage applied to the motor. All Next Generation Europa hoods with DCBL Suppression System[®] use a closed loop circuit in the on-board computer that allows us to precisely control the wattage applied at each speed level. This allows us to keep the range hood performance fully optimized and helps limit the effect of increased static pressure resulting from out-of-scope duct runs.

BLOOM[™] HD LED LIGHT BULBS

With a 68-year lifetime, Bloom[™] HD LED are an industry breakthrough. Bloom[™] HD LED light bulbs are untouchable in performance, light emission and value.

Designed in partnership with commercial camera lens designers, Bloom[™] HD LED bulbs amplify a 3-watt diode into 20 watt halogen-like cooking light that evenly distributes light on the cooking surface below. Bloom[™] HD LED light bulbs are the only range hood LED light bulbs with near-halogen light warmth.



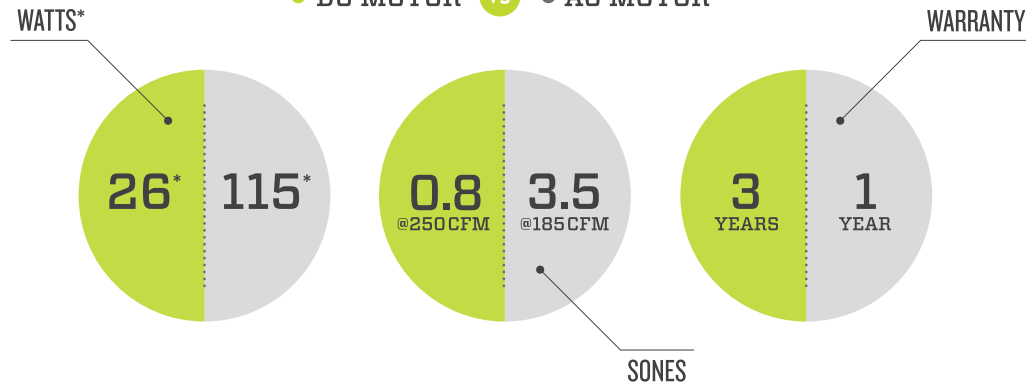
Bloom[™] HD LED light bulbs are integrated into the on-board computer where AC energy is converted into the DC energy LED light bulbs need to operate and are cool to the touch. Bloom's one inch heat sink dissipates heat away from the LED giving the diode higher fidelity performance over-time and keeping heat away from chef's space.

RIGHT: Milano Island



DCBL™ MOTOR

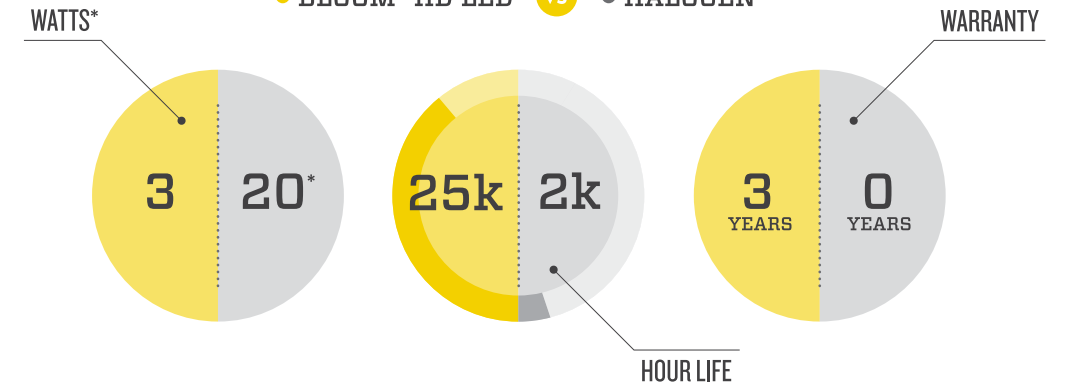
● DC MOTOR vs ● AC MOTOR



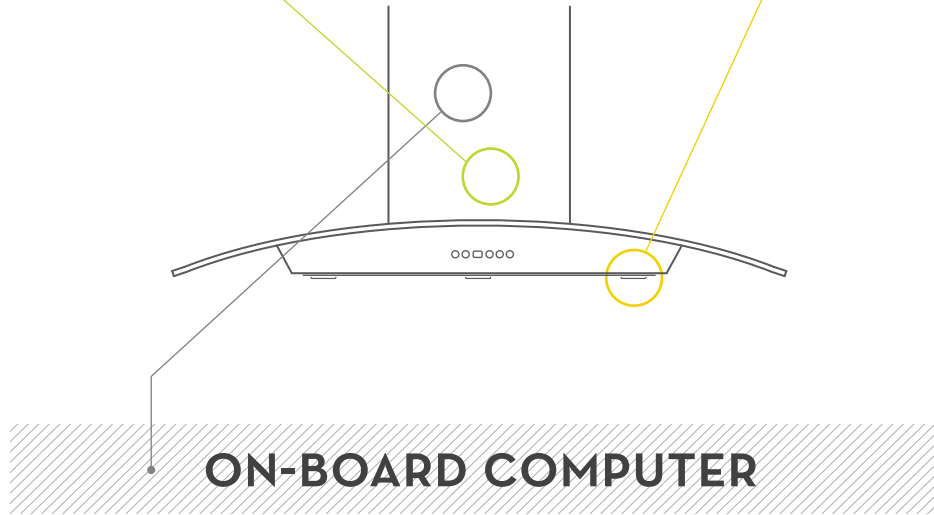
DC MOTOR	AC MOTOR
▶ 26 watts*	115 watts*
▶ 0.8 Sone @ 250 CFM	3.5 Sones @ 185 CFM
8" round outlet	6" round outlet
Computerized motor controller	No controller
Sophisticated PC Board	Standard PC Board
▶ 3-year warranty	1-year warranty

BLOOM™ HD LED

● BLOOM™ HD LED vs ● HALOGEN



BLOOM™ HD LED	HALOGEN
▶ 3 watts	20-50 watts*
3200K color temperature	3000K color temperature
▶ 25,000 hour life	2,000 hour life
Cool to the touch	Dangerously hot
Uniform light distribution	Hot-spots
▶ 3-year warranty	No warranty



ON-BOARD COMPUTER

- ▶ MAIN PC BOARD INTEGRATES AND CONTROLS MINIATURIZED:
 - User interface
 - LED controller and DC motor controller
 - Accepts AC current from wall and sends energy to LED and DC controllers
- ▶ LED CONTROLLER CONVERTS AC ENERGY TO DC ENERGY
 - Powers Bloom™ HD LED lightbulbs

- ▶ DC CONTROLLER CONVERTS AC TO DC
 - Actively optimizes DC motor performance
 - Converts single phase to three-phase energy conduction
 - Generates higher torque at low RPM

* Compared to a leading chimney range hood

WORKING SPEED

DCBL Suppression System® increases your range hood's torque levels at speed one, or *working speed*, to match the most typical everyday cooking styles. Focusing on *working speed* allows us to deliver the needed ventilation for cooks that use only one or two burners to prepare a meal. On speed 1, DCBL Suppression System® generates enough CFM to accommodate one 10,000 and one 15,000 BTU burners operating at maximum capacity. So you get all the CFM you need but none of the noise.

Maximum speed settings should only be used if you cook with all your range's burners turned on to max BTU. Of course, should your cooking require more power, DCBL Suppression System® range hood's have 6 speeds with a maximum of 715 CFM still emitting 11% less noise.

DCBL SUPPRESSION SYSTEM™ VS. TYPICAL CHIMNEY HOOD

	WORKING SPEED	MAX SPEED
CFM	+30%	+38%
NOISE	-77%	-11%
ENERGY CONSUMPTION	-77%	-43%

BENEFITS

DCBL SUPPRESSION SYSTEM®

Exceeds Energy Star™ requirements:

- Energy Star™ - 2.8 CFM / watt
- Zephyr - 17 CFM / watt

Up to 80% more energy efficient

Up to 77% less noise on working speeds

Higher torque to increase performance efficiency

Less wear-and-tear on motor

Longer warranty

BLOOM™ HD LED

3-watt LED uses 15% of the energy a 20 watt halogen uses

3,200 degrees Kelvin = halogen-like warm light color

Cool to the touch. Never gets hot

Patented lens evenly distributes light

25,000-hour life expectancy

3-year warranty

Dimmable LED - a first in range hood industry



ISLAND

NAPOLI ISLAND



ISLAND

MILANO ISLAND GLASS

**NEXT
GENERATION
EUROPA
RANGE
HOOD
MODELS**

- NAPOLI ISLAND
- MILANO ISLAND
- MODENA ISLAND
- VERONA ISLAND
- MILANO WALL
- MODENA WALL
- VENEZIA WALL
- VERONA WALL



ISLAND

MODENA ISLAND



ISLAND

VERONA ISLAND

**POWER
SERIES**

- MONSOON DCBL OPL

Visit zephyronline.com to learn more.



WALL

MILANO WALL STAINLESS



WALL

MODENA WALL



WALL

VENEZIA WALL

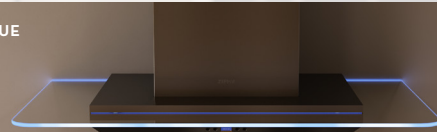


ONE-PIECE LINER

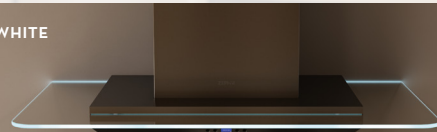
POWER SERIES
MONSOON DCBL OPL



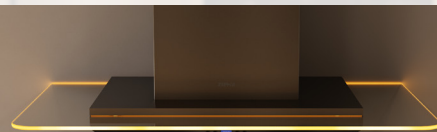
DEEP BLUE



CLOUD WHITE



AMBER



ZEPHYR

ESSENTIALS COLLECTION

Next Generation Europa with DCBL Suppression System® is part of the Essentials Collection in the Zephyr portfolio. Look to Zephyr for the most engineered design and quality throughout all kitchen ventilation categories, including our Europa Classics. The Classics offer high-design options at the most competitive prices to meet new kitchen construction or remodel project budgets.

Whether your project is an “Aging-in-Place” kitchen or a short-term solution, look to us for all your kitchen ventilation needs.

ABOVE: Verona Wall

NEXT GENERATION EUROPA



ZEPHYR

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