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# LG EC Motor for HVAC

LG Compressor and Motor offer meaningful and unique solutions to respond to emerging sustainability needs with environmentally sound and energy saving technologies.

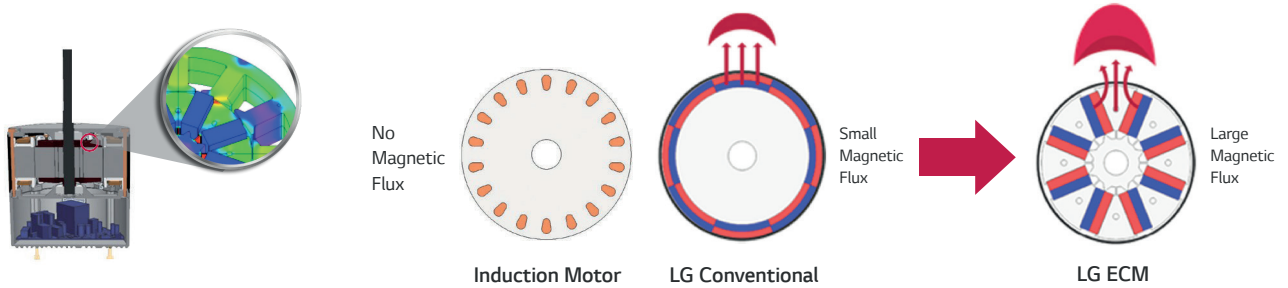


# WHY LG EC MOTOR

In response to the rising demand for more efficient motors in the HVAC market, LG has developed its first Electronically Commutated Motor (ECM) with the expertise and industry knowledge as a global HVAC manufacturer. LG ECM enters the market with its magnetic flux concentration design, delivering performance with low energy consumption. Its powerful motor platform boasts a capacity of 1/3 to 1HP for compatibility across a wide range of applications, from air conditioner condensers, air handlers, and related air ventilation components.

## DESIGN FEATURES

LG's New EC Motor is designed to concentrate the magnetic flux as compared to LG's conventional SPM type motor.



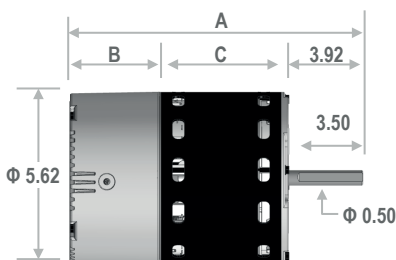
## SPECIFICATIONS

EC Motor for Indoor Unit	
Type	ECM
Rated Output [HP]	1/3, 1/2, 3/4, 1
Rated Speed [RPM]	1,050
Speed range [RPM]	200 - 1,200
Voltage [V]	AC 115 / 230
Operation Temperature [°C]	0 - 60
Communication	UART or PWM or TAP setting(5pin)
Operation Mode	Constant Speed, Torque, Airflow
Application	Furnace, Air Handler

EC Motor for Outdoor Unit	
Type	ECM
Rated Output [HP]	1/3, 1/2
Rated Speed [RPM]	1,050
Speed range [RPM]	200 - 1,500
Voltage [V]	AC 115 / 230
Operation Temperature [°C]	-20 ~ 60
Communication	PWM
Operation Mode	Constant Speed
Application	Split System Outdoor Unit

## DIMENSIONS

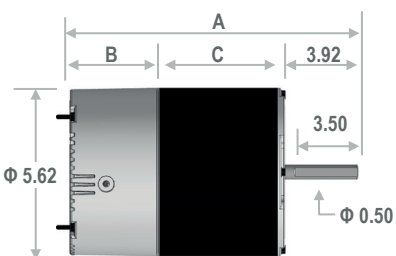
### EC Motor for Indoor Unit



※ All Dimensions and Specifications are only for reference.

HP	1/3	1/2	3/4	1
A	9.77	9.77	11.17	11.17
B	2.55	2.55	2.95	2.95
C	3.30	3.30	4.30	4.30

### EC Motor for Outdoor



※ All Dimensions and Specifications are only for reference.

HP	1/3	1/2
A	9.77	9.77
B	2.55	2.55
C	3.30	3.30



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For continual product development, LG reserves the right to change the specifications without notice.  
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