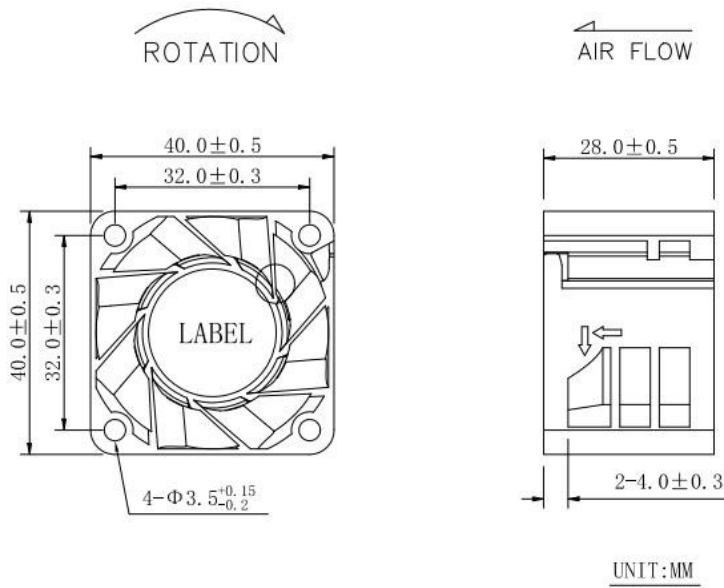


40 x 40 x 28 MM SERIES-D

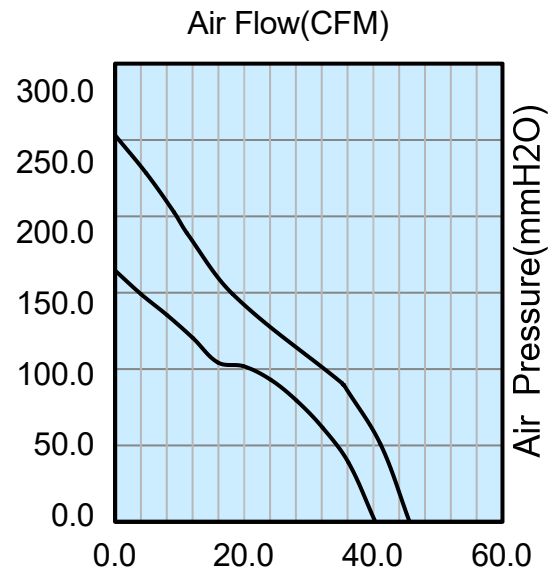
- ※ Bearing Type: Ball Bearing
- ※ Material
Impeller & Frame: Plastic (UL 94V-0)
- ※ Lead Wires:
UL1061 AWG #26 OR Equivalent
Red Wire Positive(+)
Black Wire Negative(-)
- ※ DC=12V



DIMENSIONS DRAWING



P & Q CURVE (AT RATED VOLTAGE)



Model			Rated Voltage	Operating Voltage Range	Rated Current	Rated Input Power	Speed	Maximum Air Flow		Maximum Air Pressure		Noise
PART NO.	REV.	FUNCTION	VDC	VDC	Amp	Watt	R.P.M	m3/min	CFM	mmH2O	IN H2O	dB-A
HA4028YH12BD-f00	-D	-FG / -RD	12	7.0~13.8	3.50	42.00	35000	1.156	40.85	230.00	9.055	73.0
HA4028YH12BD-f00	-D	-FG / -RD	12	7.0~13.8	3.90	46.80	39000	1.290	45.57	253.11	9.964	76.0

* Function type is optional

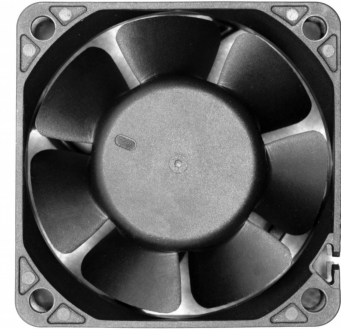
* The Max.Air flow and the speed are measured in free air; Max.Air pressure is measured at zero air flow. * Acoustic Noise is measured in anechoic chamber in free air, one meter from intake side.

* All readings are typical values at rated voltage.

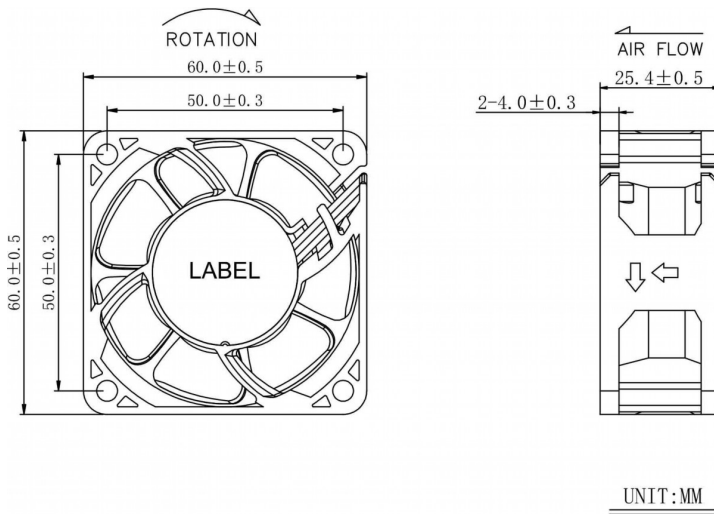
* Specifications are subject to change without notice.

Fully encapsulated 60 x 60 x 25 MM SERIES (IP68)

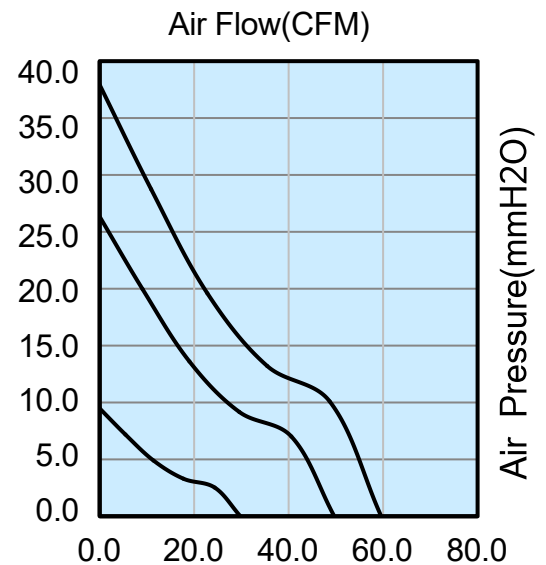
- ※ Bearing Type: Ball Bearing
- ※ Material
Impeller & Frame: Plastic (UL 94V-0)
- ※ Lead Wires:
UL1061 AWG #26 OR Equivalent
Red Wire Positive(+)
Black Wire Negative(-)
- ※ DC=12V/24V



DIMENSIONS DRAWING



P & Q CURVE (AT RATED VOLTAGE)



Model			Rated Voltage	Operating Voltage Range	Rated Current	Rated Input Power	Speed	Maximum Air Flow		Maximum Air Pressure		Noise
PART NO.	REV.	FUNCTION	VDC	VDC	Amp	Watt	R.P.M	m3/min	CFM	mmH2O	IN H2O	dB-A
HA6025EH12y-Z	-D	-FG / -RD	12	7.0~13.8	0.17	2.04	6000	0.804	28.40	10.00	0.394	40.0
HA6025GH12y-Z	-D	-FG / -RD	12	7.0~13.8	0.67	8.04	10000	1.376	48.60	27.43	1.080	52.0
HA6025UH12y-Z	-D	-FG / -RD	12	7.0~13.8	1.15	13.80	12000	1.693	59.77	38.13	1.501	57.5

* Function type is optional

* The Max.Air flow and the speed are measured in free air; Max.Air pressure is measured at zero air flow. * Acoustic Noise is measured in anechoic chamber in free air, one meter from intake side.

* All readings are typical values at rated voltage.

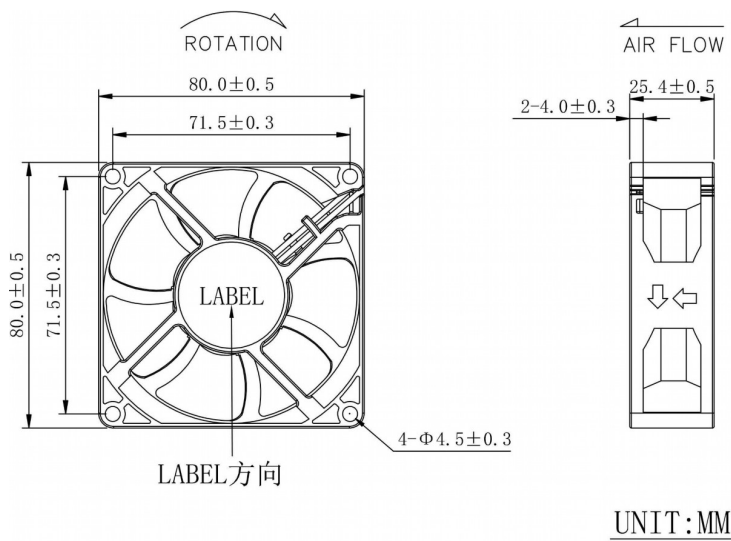
* Specifications are subject to change without notice.

Fully encapsulated 80 x 80 x 25 MM SERIES (IP68)

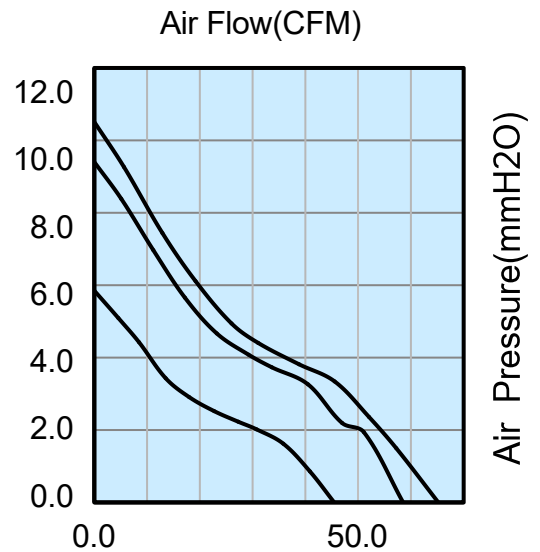
- ※ Bearing Type: Ball Bearing
- ※ Material
Impeller & Frame: Plastic (UL 94V-0)
- ※ Lead Wires:
UL1061 AWG #26 OR Equivalent
Red Wire Positive(+)
Black Wire Negative(-)
- ※ DC=12V/24V



DIMENSIONS DRAWING



P & Q CURVE (AT RATED VOLTAGE)



Model			Rated Voltage	Operating Voltage Range	Rated Current	Rated Input Power	Speed	Maximum Air Flow		Maximum Air Pressure		Noise
PART NO.	REV.	FUNCTION	VDC	VDC	Amp	Watt	R.P.M	m3/min	CFM	mmH2O	IN H2O	dB-A
HA8025L12y-Z	-D	-FG / -RD	12	7.0~13.8	0.17	2.04	3500	1.290	45.56	5.09	0.200	37.8
HA8025M12y-Z	-D	-FG / -RD	12	7.0~13.8	0.25	3.00	4500	1.658	58.58	9.40	0.370	41.5
HA8025H12y-Z	-D	-FG / -RD	12	7.0~13.8	0.35	4.20	5000	1.843	65.09	11.61	0.457	43.8

* Function type is optional

* The Max.Air flow and the speed are measured in free air; Max.Air pressure is measured at zero air flow. * Acoustic Noise is measured in anechoic chamber in free air, one meter from intake side.

* All readings are typical values at rated voltage.

* Specifications are subject to change without notice.

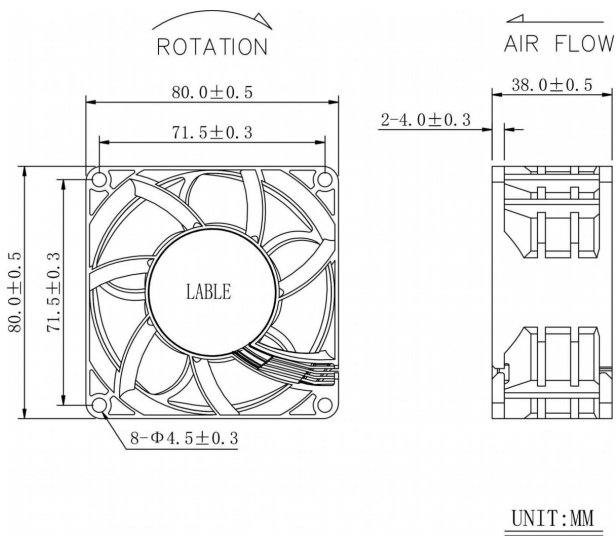
PCB Potting

80 x 80 x 38 MM SERIES (IP68)

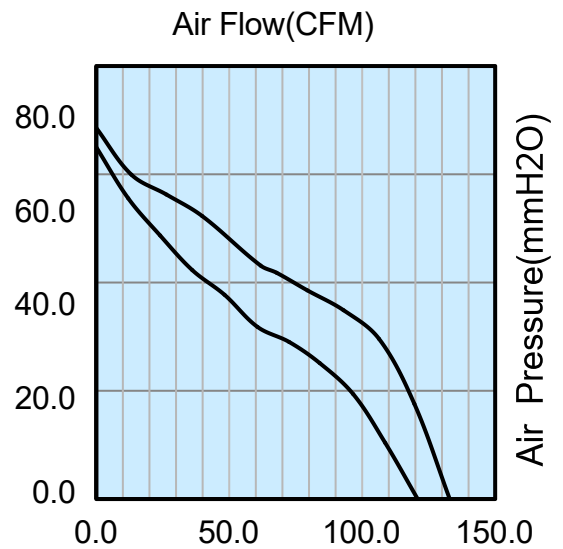
- ※ Bearing Type: Ball Bearing
- ※ Material
Impeller & Frame: Plastic (UL 94V-0)
- ※ Lead Wires:
UL1061 AWG #26 OR Equivalent
Red Wire Positive(+)
Black Wire Negative(-)
- ※ DC=12V/24V/48V



DIMENSIONS DRAWING



P & Q CURVE (AT RATED VOLTAGE)



Model			Rated Voltage	Operating Voltage Range	Rated Current	Rated Input Power	Speed	Maximum Air Flow		Maximum Air Pressure		Noise
PART NO.	REV.	FUNCTION	VDC	VDC	Amp	Watt	R.P.M	m3/min	CFM	mmH2O	IN H2O	dB-A
HA8038GH12BD-R00	-B	-FG / -RD	12	6.5~13.8	2.07	24.84	12500	3.344	18.10	68.73	2.705	64.0
HA8038GH24BD-F00	-B	-FG / -RD	24	12.0~27.0	1.31	31.44	14000	3.758	132.74	68.57	2.699	67.5

* Function type is optional

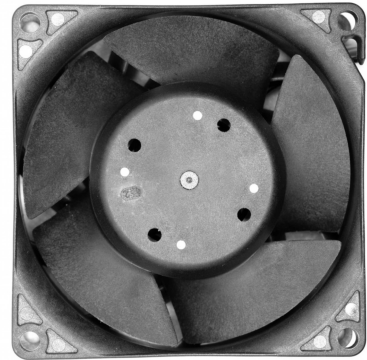
* The Max.Air flow and the speed are measured in free air; Max.Air pressure is measured at zero air flow. * Acoustic Noise is measured in anechoic chamber in free air, one meter from intake side.

* All readings are typical values at rated voltage.

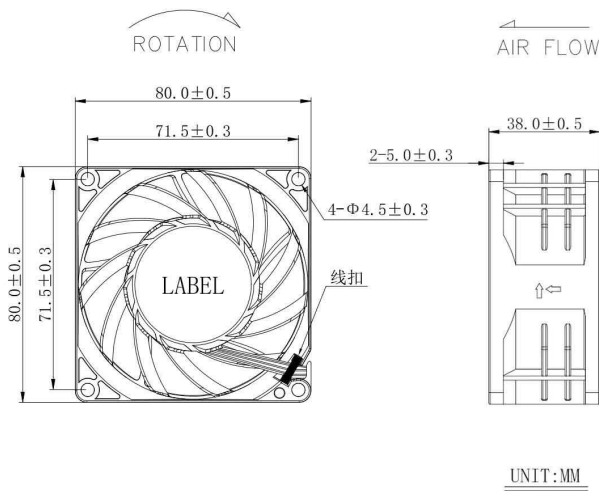
* Specifications are subject to change without notice.

80 x 80 x 38 MM SERIES-C

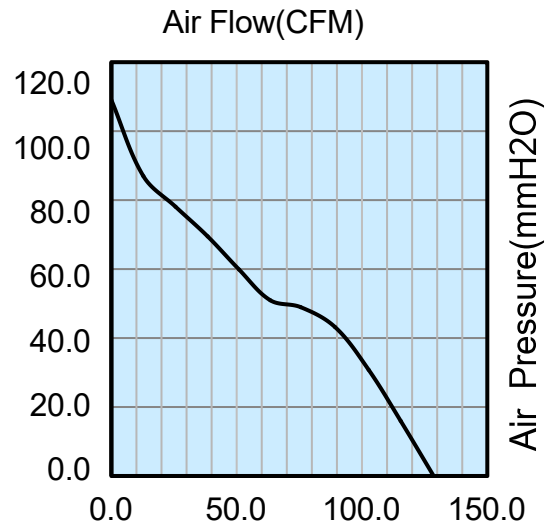
- ※ Bearing Type: Ball Bearing
- ※ Material
Impeller & Frame: Plastic (UL 94V-0)
- ※ Lead Wires:
UL1061 AWG #26 OR Equivalent
Red Wire Positive(+)
Black Wire Negative(-)
- ※ DC=12V/24V/48



DIMENSIONS DRAWING



P & Q CURVE (AT RATED VOLTAGE)



Model			Rated Voltage	Operating Voltage Range	Rated Current	Rated Input Power	Speed	Maximum Air Flow		Maximum Air Pressure		Noise
PART NO.	REV.	FUNCTION	VDC	VDC	Amp	Watt	R.P.M	m3/min	CFM	mmH ₂ O	IN H ₂ O	dB-A
HA8038GH12BD	C	-FG / -RD	12	7.0~13.8	2.98	35.76	15000	3.64	128.5	109.03	4.29	69.60

* Function type is optional

* The Max.Air flow and the speed are measured in free air; Max.Air pressure is measured at zero air flow. * Acoustic Noise is measured in anechoic chamber in free air, one meter from intake side.

* All readings are typical values at rated voltage.

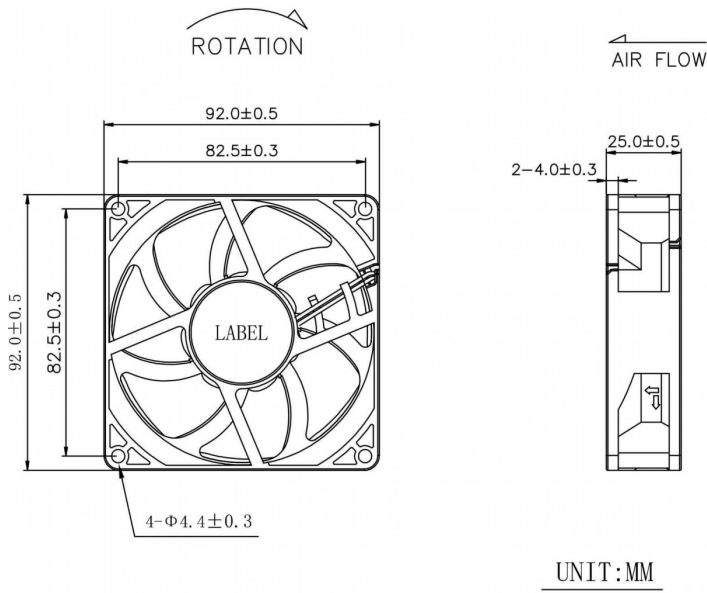
* Specifications are subject to change without notice.

Fully encapsulated 92 x 92 x 25 MM SERIES (IP68)

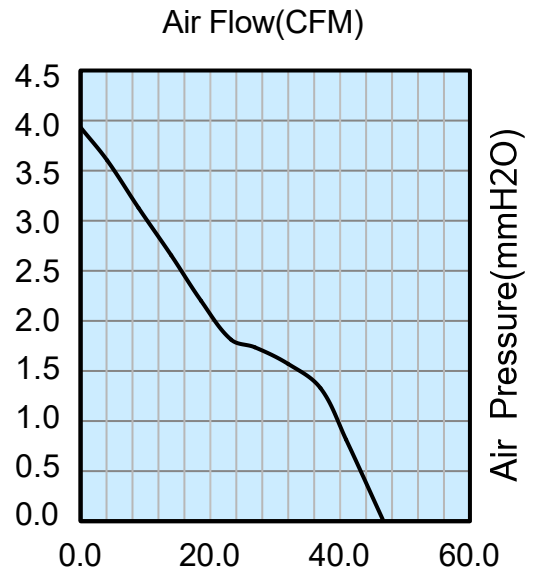
- ※ Bearing Type: Ball Bearing
- ※ Material
Impeller & Frame: Plastic (UL 94V-0)
- ※ Lead Wires:
UL1061 AWG #26 OR Equivalent
Red Wire Positive(+)
Black Wire Negative(-)
- ※ DC=12V/24V



DIMENSIONS DRAWING



P & Q CURVE (AT RATED VOLTAGE)



Model			Rated Voltage	Operating Voltage Range	Rated Current	Rated Input Power	Speed	Maximum Air Flow		Maximum Air Pressure		Noise
PART NO.	REV.	FUNCTION	VDC	VDC	Amp	Watt	R.P.M	m3/min	CFM	mmH2O	IN H2O	dB-A
HA9225L12f-Z	-D	-FG / -RD	12	7.0~13.8	0.20	2.40	3000	1.318	46.55	3.93	0.154	32.6

* Function type is optional

* The Max.Air flow and the speed are measured in free air; Max.Air pressure is measured at zero air flow. * Acoustic Noise is measured in anechoic chamber in free air, one meter from intake side.

* All readings are typical values at rated voltage.

* Specifications are subject to change without notice.