

General Specifications

Motor Protection:

Auto Restart/Polarity Protection

Insulation Resistance:

10M Ω or over with a DC500V Megger

Dielectric Withstand Voltage: AC 700V 1s

Allowable Ambient Temperature Range:

-10°C ~ +70°C (Operating)

-40°C ~ +70°C (Storage)

IP Code: IP69K

Expected Life

25°C 100,000 Hours (L10)

Material

Casing : Plastic (Black) UL94V-0

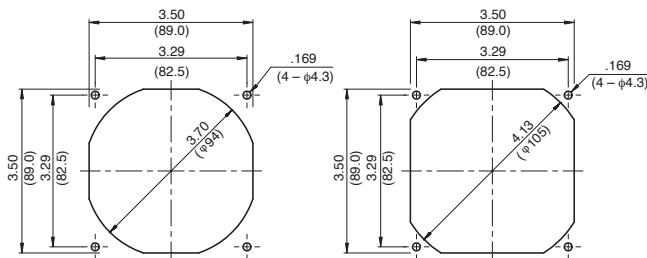
Impeller : Plastic (Black) UL94V-0

Bearing : Ball Bearing

Lead Wire : UL3385, AWG26, +Red, -Black

Panel Cut-Outs

Units: $\frac{\text{inch}}{(\text{mm})}$



INLET SIDE

OUTLET SIDE

Specifications

MODEL	Rated Voltage	Operating Voltage	Current	Input Power	Speed	Max. Air Flow		Max. Static Pressure		Noise	Mass
	(V)	(V)	(A)*1	(W)*1	(min ⁻¹)*1	CFM*1	(m ³ /min)*1	in H ₂ O	(Pa)*1	(dB)*1	(g)
09225VA-12K-CA-00	12	7.0 ~ 13.8	0.18	2.16	3200	54.03	1.53	.20	50.0	35.5	150
09225VA-12L-CA-00	12	7.0 ~ 13.8	0.24	2.88	3600	61.09	1.73	.26	65.0	38.5	150
09225VA-12M-CA-00	12	7.0 ~ 13.8	0.30	3.60	4000	68.16	1.93	.32	80.0	42.0	150
09225VA-12N-CA-00	12	7.0 ~ 13.8	0.40	4.80	4500	76.99	2.18	.39	98.0	45.0	150
09225VA-12P-CA-00	12	7.0 ~ 13.8	0.52	6.24	5000	85.81	2.43	.48	120.0	48.0	150
09225VA-12Q-CA-00	12	7.0 ~ 13.8	0.72	8.64	5600	96.41	2.73	.60	150.0	51.0	150

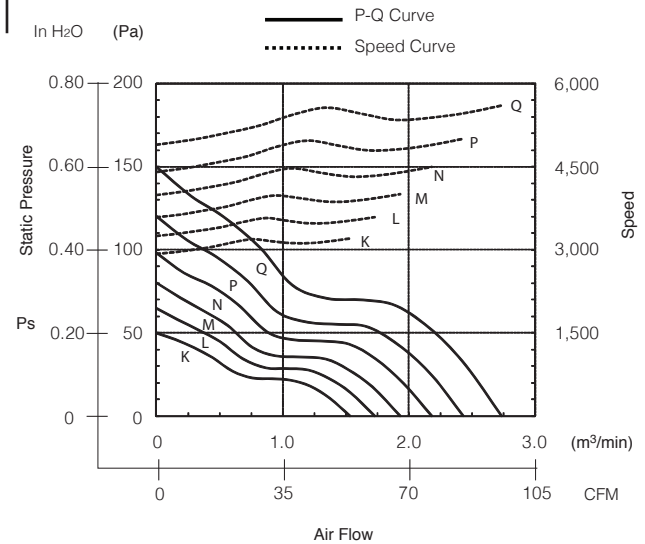
Rotation: Clockwise

Airflow Outlet: Air Out Over Struts

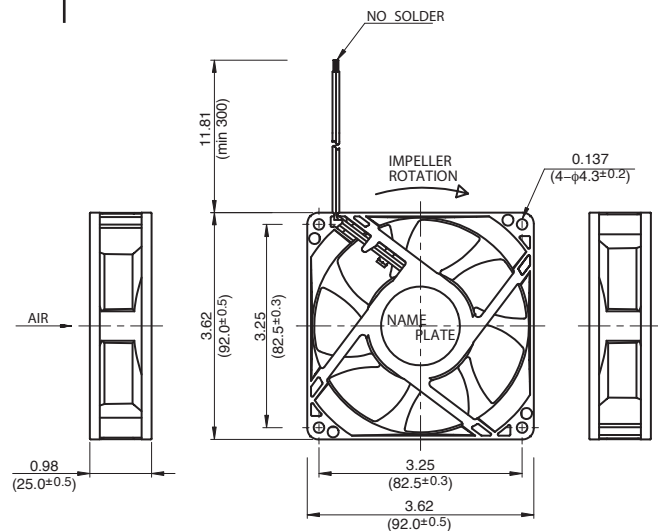
*1: Average Values in Free Air

Note: PWM/Locked Rotor/Tach Available

Characteristic Curves



Outline



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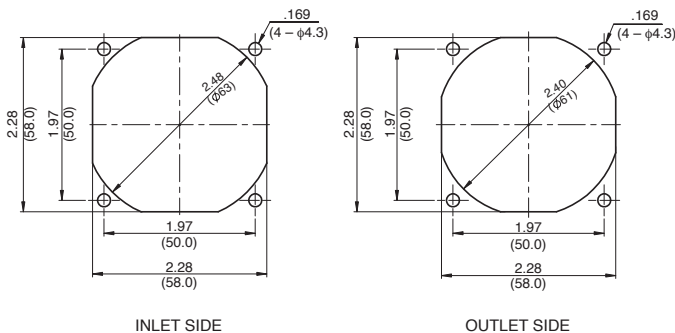
Impeller : Plastic (Black) UL94V-0

Bearing : Ball Bearing

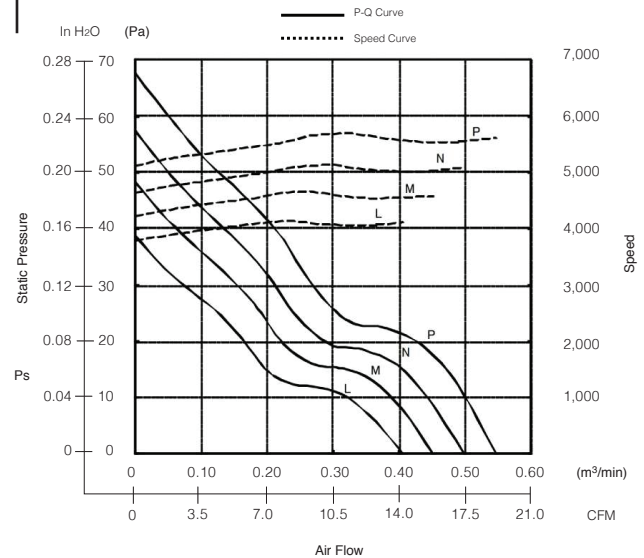
Lead Wire : UL3385, AWG26, +Red, -Black

Panel Cut-Outs

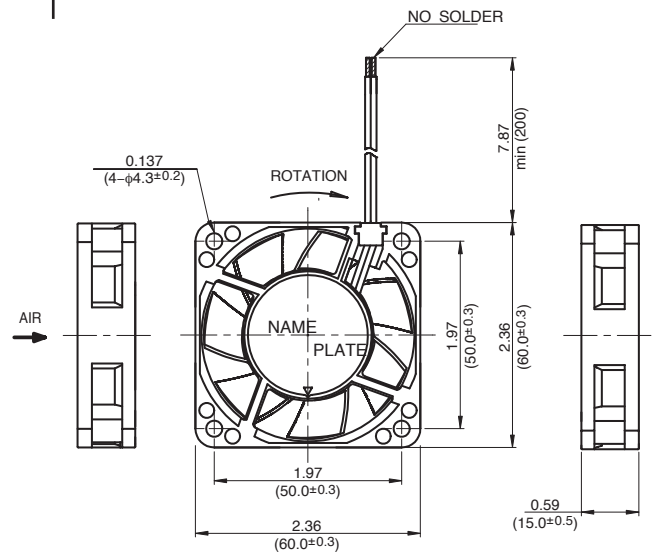
Units: $\frac{\text{inch}}{\text{mm}}$



Characteristic Curves



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	(V)	(V)	(A)*1	(W)*1	(min ⁻¹)*1	CFM*1	(m ³ /min)*1	in H ₂ O	(Pa)*1	(dB)*1	(g)
06015VA-24L-CA-00	24	10.0 ~ 27.6	0.04	0.96	4100	14.48	0.41	.16	38.8	28.5	60
06015VA-24M-CA-00	24	10.0 ~ 27.6	0.05	1.20	4600	15.89	0.45	.19	48.3	31.0	60
06015VA-24N-CA-00	24	10.0 ~ 27.6	0.06	1.44	5100	17.66	0.50	.23	57.5	33.5	60
06015VA-24P-CA-00	24	10.0 ~ 27.6	0.07	1.68	5600	19.42	0.55	.27	67.7	36.5	60

Rotation: Clockwise

Airflow Outlet: Air Out Over Struts

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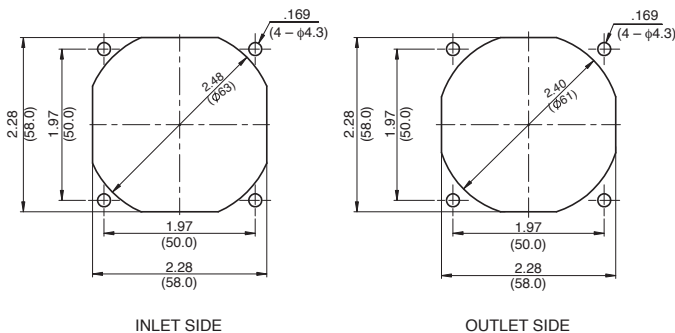
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Bearing : Ball Bearing

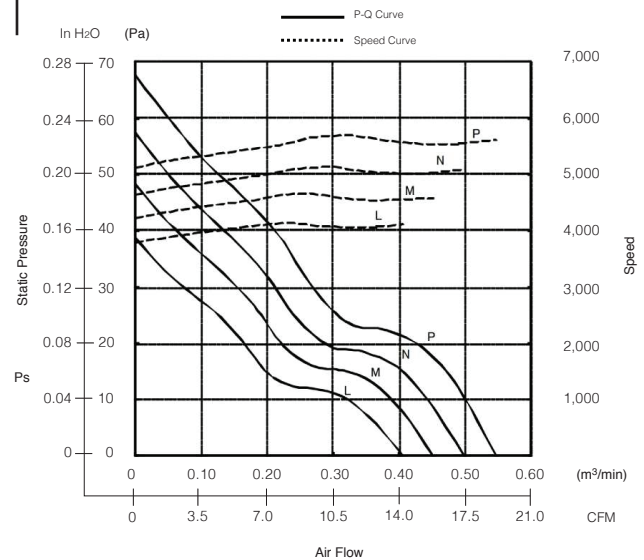
Lead Wire : UL3385, AWG26, +Red, -Black

Panel Cut-Outs

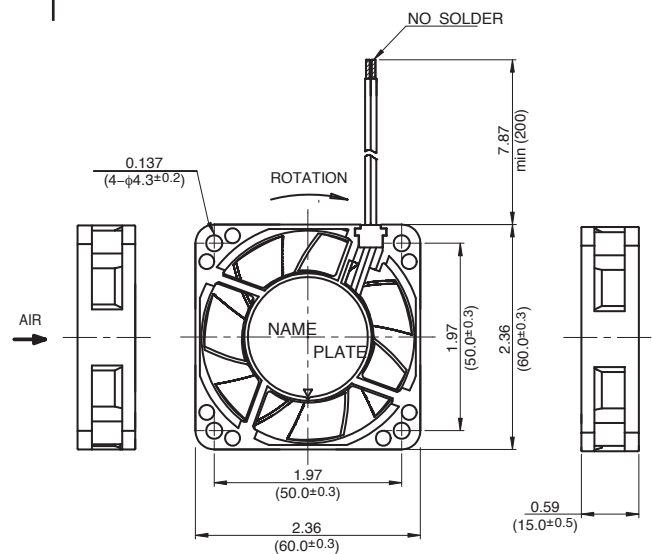
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Characteristic Curves



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06015VA-24L-CA-00	24	10.0 ~ 27.6	0.04	0.96	4100	14.48	0.41	.16	38.8	28.5	60
06015VA-24M-CA-00	24	10.0 ~ 27.6	0.05	1.20	4600	15.89	0.45	.19	48.3	31.0	60
06015VA-24N-CA-00	24	10.0 ~ 27.6	0.06	1.44	5100	17.66	0.50	.23	57.5	33.5	60
06015VA-24P-CA-00	24	10.0 ~ 27.6	0.07	1.68	5600	19.42	0.55	.27	67.7	36.5	60

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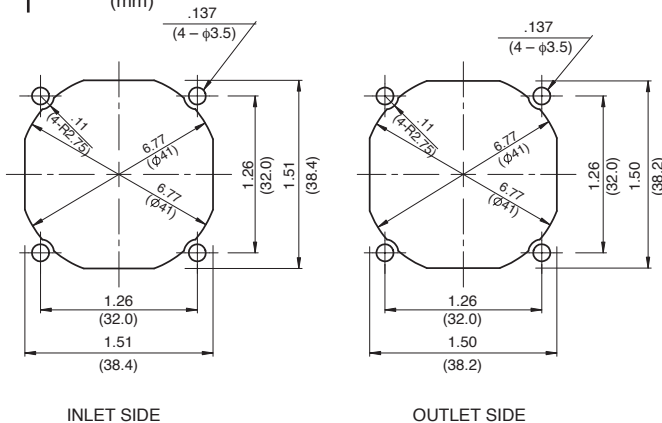
Impeller : Plastic (Black) UL94V-0

Bearing : Ball Bearing

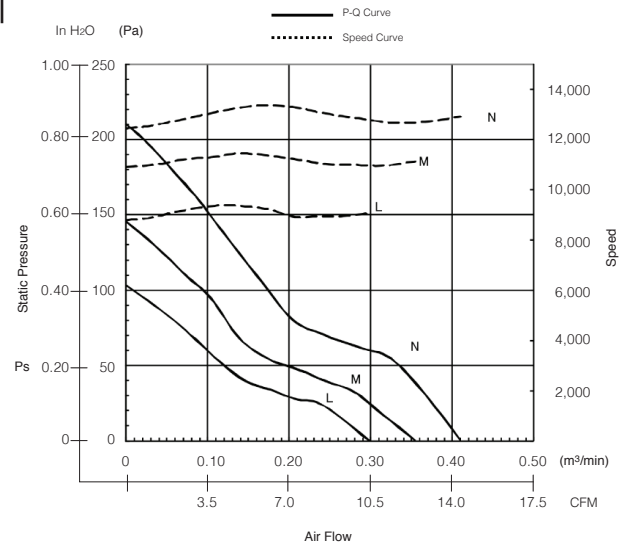
Lead Wire : UL3385, AWG26, +Red, -Black

Panel Cut-Outs

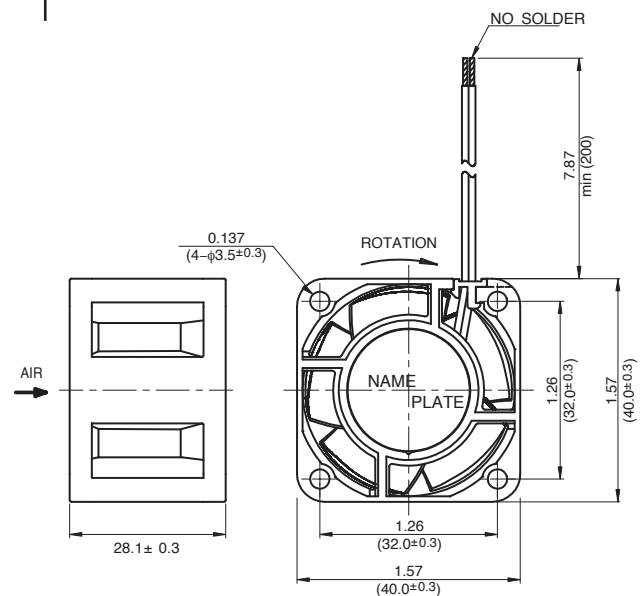
Units: $\frac{\text{inch}}{(\text{mm})}$



Characteristic Curves



Outline



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MODEL	Rated Voltage	Operating Voltage	Current	Input Power	Speed	Max. Air Flow		Max. Static Pressure		Noise	Mass
	(V)	(V)	(A)*1	(W)*1	(min ⁻¹)*1	CFM*1	(m³/min)*1	in H ₂ O	(Pa)*1	(dB)*1	(g)
04028VA-24L-CA-00	24	10.0 ~ 26.4	0.06	1.44	9000	10.24	0.29	.41	102.0	34.5	55
04028VA-24M-CA-00	24	10.0 ~ 26.4	0.07	1.68	11000	12.36	0.35	.58	145.3	39.0	55
04028VA-24N-CA-00	24	10.0 ~ 26.4	0.10	2.40	13000	14.48	0.41	.84	210.0	44.5	55

Rotation: Clockwise

Airflow Outlet: Air Out Over Struts

*1: Average Values in Free Air

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Casing : Plastic (Black) UL94V-0

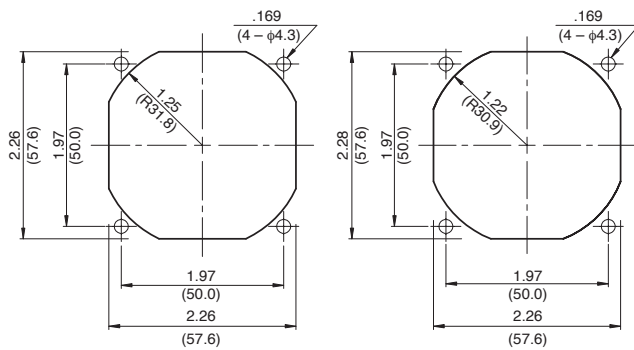
Impeller : Plastic (Black) UL94V-0

Bearing : Ball Bearing

Lead Wire : UL3385, AWG26, +Red, -Black

Panel Cut-Outs

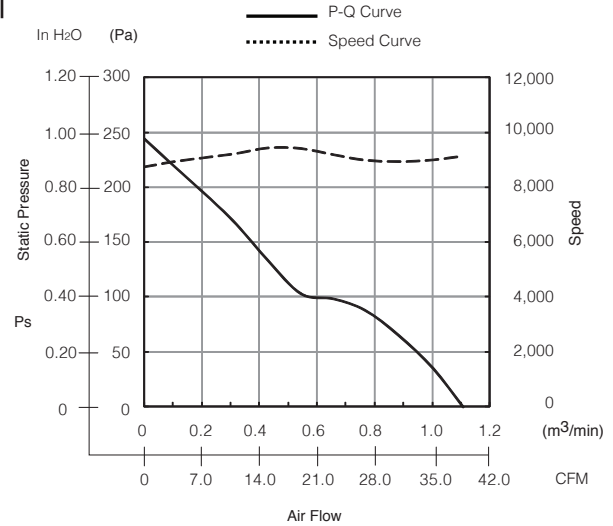
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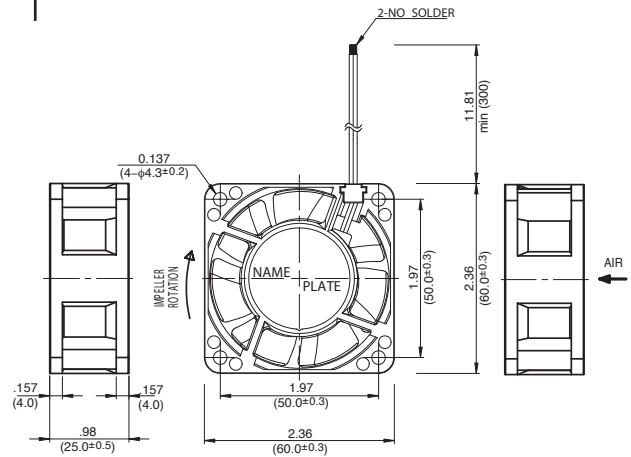
INLET SIDE

OUTLET SIDE

Characteristic Curves



Outline



Specifications

MODEL	Rated Voltage	Operating Voltage	Current	Input Power	Speed	Max. Air Flow		Max. Static Pressure		Noise	Mass
	(V)	(V)	(A)*1	(W)*1	(min ⁻¹)*1	CFM*1	(m ³ /min)*1	in H ₂ O	(Pa)*1	(dB)*1	(g)
06025VA-24Q-CA-00	24	10.0 ~ 27.6	0.27	6.48	9200	39.2	1.11	.98	244	54.0	90

Rotation: Clockwise

Airflow Outlet: Air Out Over Struts

*1: Average Values in Free Air

Note: PWM/Locked Rotor/Tach Available

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Material

Casing : Plastic (Black) UL94V-0

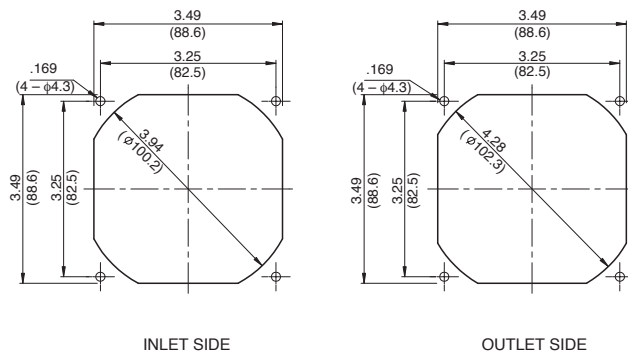
Impeller : Plastic (Black) UL94V-0

Bearing : Ball Bearing

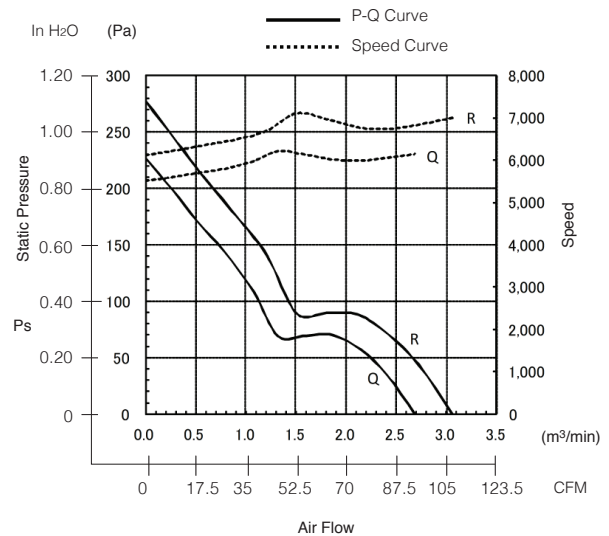
Lead Wire : UL3385, AWG24, +Red, -Black

Panel Cut-Outs

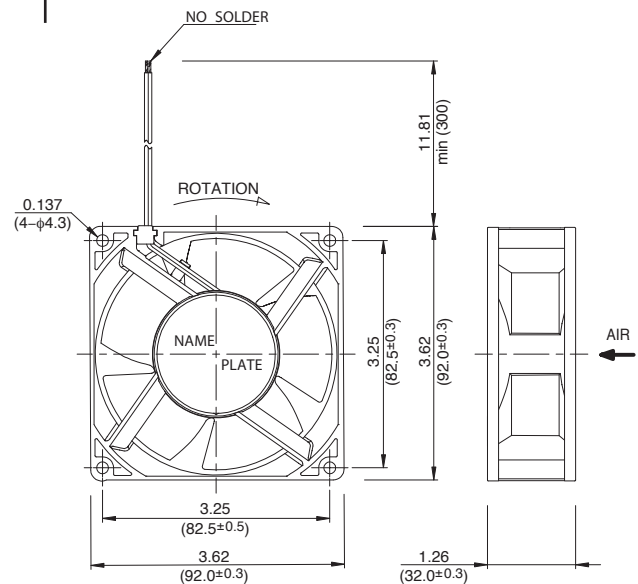
Units: $\frac{\text{inch}}{\text{mm}}$



Characteristic Curves



Outline



Specifications

MODEL	Rated Voltage	Operating Voltage	Current	Input Power	Speed	Max. Air Flow		Max. Static Pressure		Noise	Mass
	(V)	(V)	(A) ^{*1}	(W) ^{*1}	(min ⁻¹) ^{*1}	CFM ^{*1}	(m ³ /min) ^{*1}	in H ₂ O	(Pa) ^{*1}	(dB) ^{*1}	(g)
09232VA-24Q-CAS-0	24	10.0 ~ 26.4	0.35	8.40	6200	91.82	2.60	.90	225	56.0	220
09232VA-24R-CAS-0	24	10.0 ~ 26.4	0.50	12.00	7000	105.94	3.00	1.10	275	59.0	220

Rotation: Clockwise

Airflow Outlet: Air Out Over Struts

*1: Average Values in Free Air

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IP Code: IP69K

Expected Life

25°C 100,000 Hours (L10)

Material

Casing : Aluminum (Black)

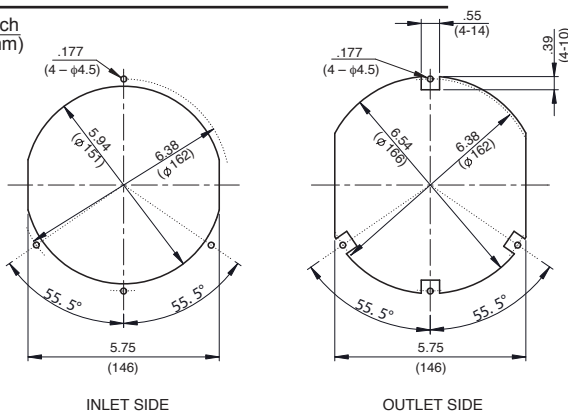
Impeller : Plastic (Black) UL94V-0

Bearing : Ball Bearing

Lead Wire : UL10368, AWG22, +Red, -Black

Panel Cut-Outs

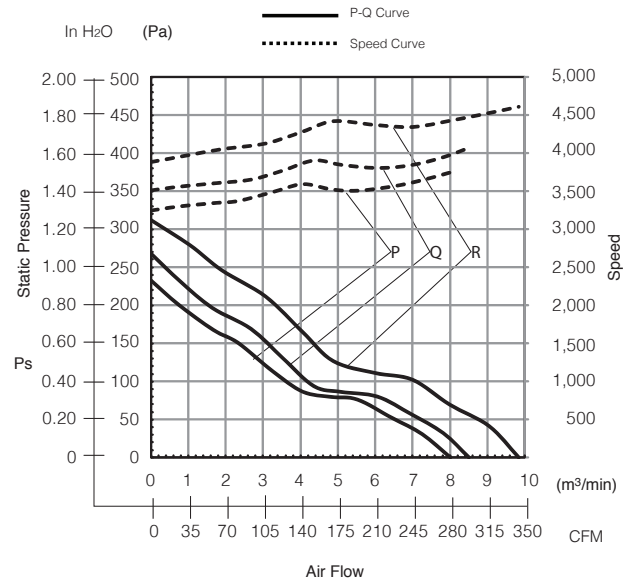
Units: inch (mm)



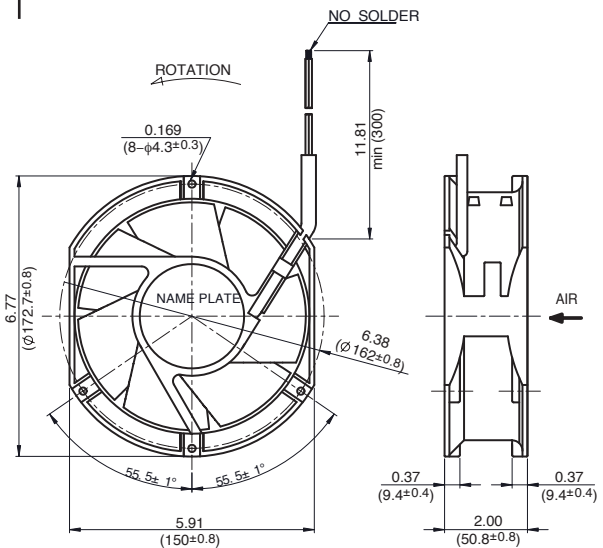
INLET SIDE

OUTLET SIDE

Characteristic Curves



Outline



Specifications

MODEL	Rated Voltage	Operating Voltage	Current	Input Power	Speed	Max. Air Flow		Max. Static Pressure		Noise	Mass
	(V)	(V)	(A)*1	(W)*1	(min ⁻¹)*1	CFM*1	(m ³ /min)*1	in H ₂ O	(Pa)*1	(dB)*1	(g)
15050VA-24P-GA-00	24	18.0 ~ 26.4	1.10	26.4	3750	282.52	8.0	0.93	232.0	62.0	870
15050VA-24Q-GA-00	24	18.0 ~ 26.4	1.30	31.2	4000	300.17	8.5	1.07	267.0	64.0	870
15050VA-24R-GA-00	24	18.0 ~ 26.4	1.80	43.2	4600	346.08	9.8	1.25	312.0	68.0	870
15050VA-48P-GA-00	48	38.0 ~ 52.8	0.55	26.4	3750	282.52	8.0	0.93	232.0	62.0	870
15050VA-48Q-GA-00	48	38.0 ~ 52.8	0.65	31.2	4000	300.17	8.5	1.07	267.0	64.0	870
15050VA-48R-GA-00	48	38.0 ~ 52.8	0.90	43.2	4600	346.08	9.8	1.25	312.0	68.0	870

Rotation: Clockwise

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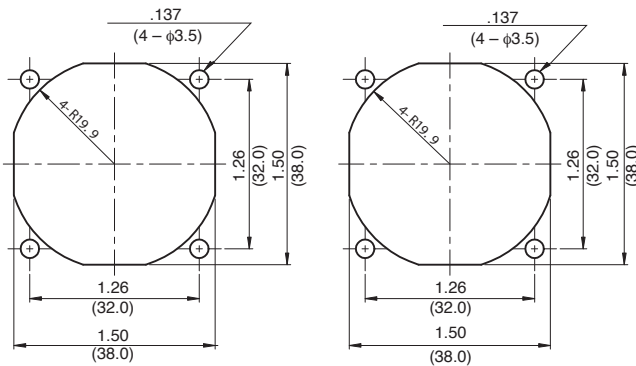
Impeller : Plastic (Black) UL94V-0

Bearing : Ball Bearing

Lead Wire : UL3385, AWG26, +Red, -Black

Panel Cut-Outs

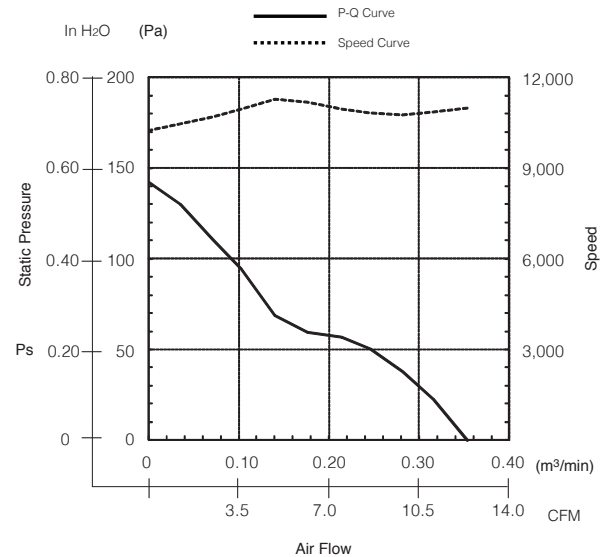
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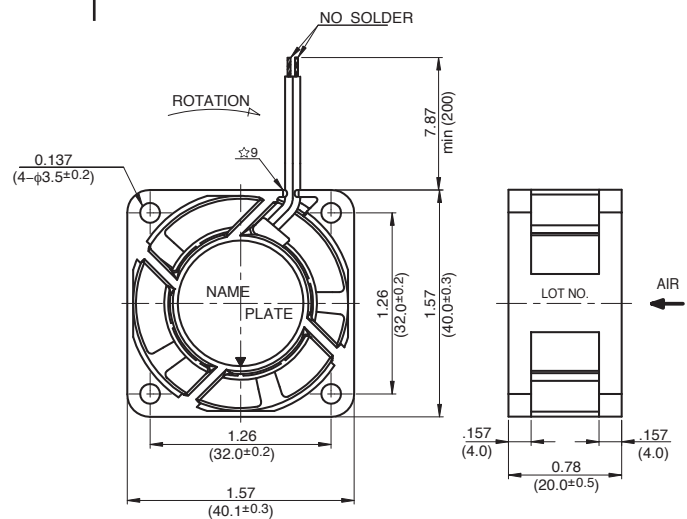
INLET SIDE

OUTLET SIDE

Characteristic Curves



Outline



Specifications

MODEL	Rated Voltage	Operating Voltage	Current	Input Power	Speed	Max. Air Flow		Max. Static Pressure		Noise	Mass
	(V)	(V)	(A) ^{*1}	(W) ^{*1}	(min ⁻¹) ^{*1}	CFM ^{*1}	(m³/min) ^{*1}	in H ₂ O	(Pa) ^{*1}	(dB) ^{*1}	(g)
04020VA-12Q-CA-00	12	9.0 ~ 13.2	0.13	1.56	11000	12.36	0.35	.57	142	42.0	40
04020VA-24Q-CA-00	24	14.0 ~ 26.4	0.09	2.16	11000	12.36	0.35	.57	142	42.0	40

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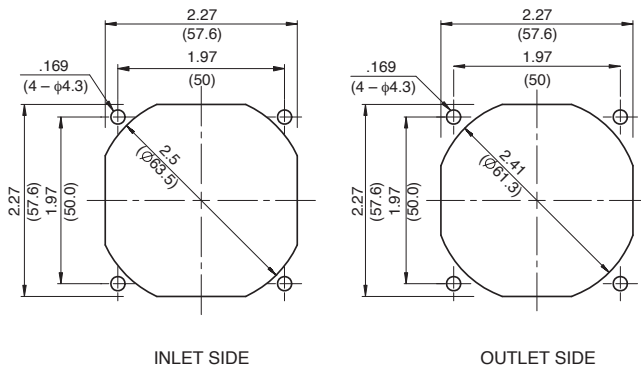
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Bearing : Ball Bearing

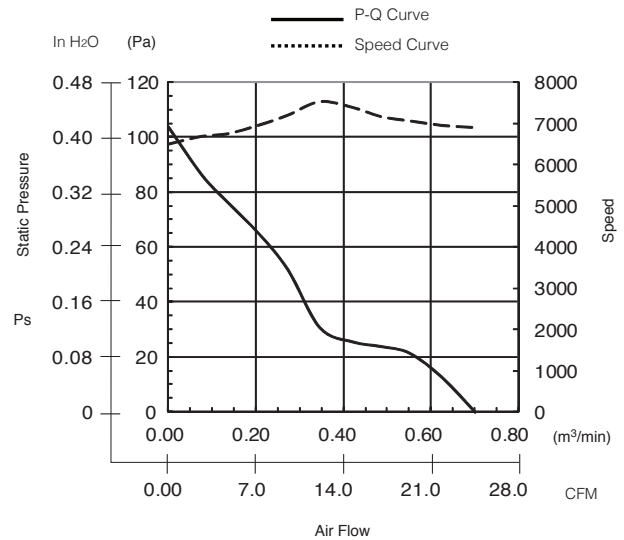
Lead Wire : UL3385, AWG26, +Red, -Black

Panel Cut-Outs

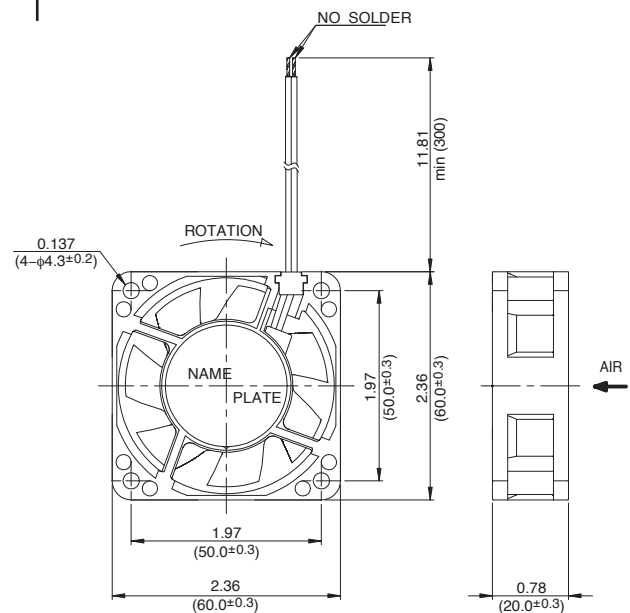
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06020VA-24Q-CAS-0	24	10.0 ~ 26.4	0.15	3.60	6900	24.72	0.70	.40	100	42.0	80

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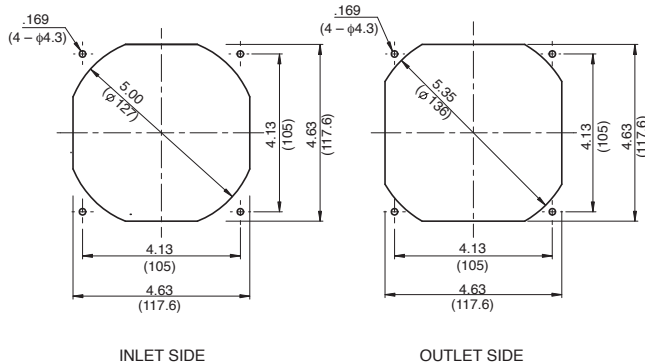
Impeller : Plastic (Black) UL94V-0

Bearing : Ball Bearing

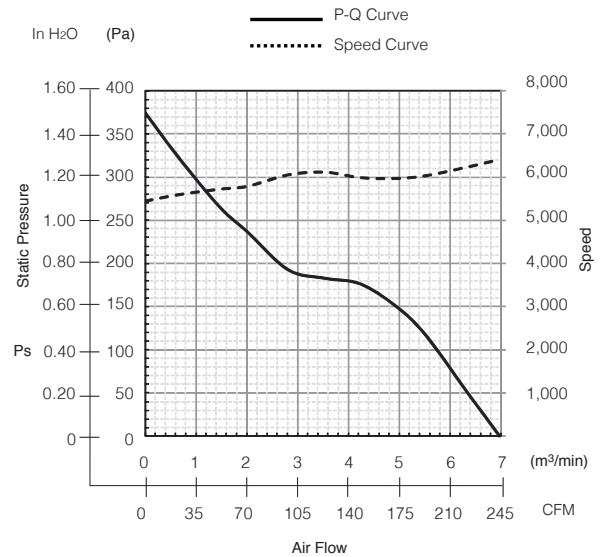
Lead Wire : UL10368, AWG22, +Red, -Black

Panel Cut-Outs

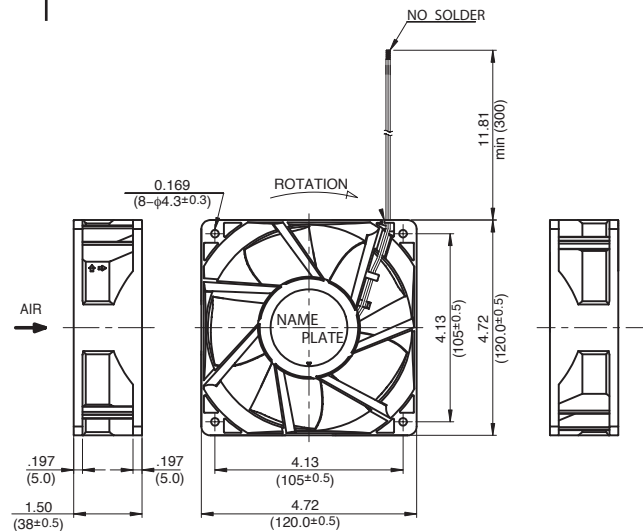
Units: $\frac{\text{inch}}{(\text{mm})}$



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12038VA-24R-GA-00	24	18.0 ~ 27.6	1.48	35.5	6400	243.67	6.9	1.48	370	64.0	370

Rotation: Clockwise

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-40°C ~ +70°C (Storage)

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Material

Casing : Aluminum (Black)

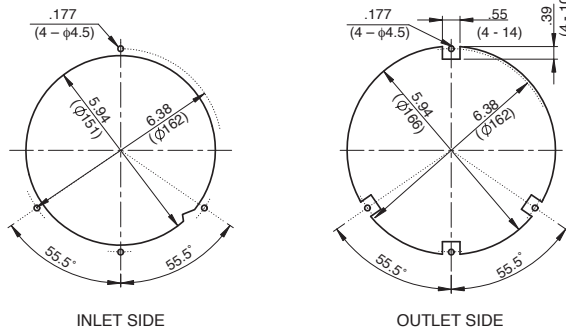
Impeller : Plastic (Black) UL94V-0

Bearing : Ball Bearing

Lead Wire : UL10368, AWG22, +Red, -Black

Panel Cut-Outs

Units: $\frac{\text{inch}}{(\text{mm})}$



INLET SIDE

OUTLET SIDE

Specifications

MODEL	Rated Voltage	Operating Voltage	Current	Input Power	Speed	Max. Air Flow		Max. Static Pressure		Noise	Mass
	(V)	(V)	(A)*1	(W)*1	(min ⁻¹)*1	CFM*1	(m ³ /min)*1	in H ₂ O	(Pa)*1	(dB)*1	(g)
17250VA-24P-GA-00	24	18.0 ~ 26.4	1.10	26.4	3750	282.52	8.0	0.93	232.0	56.0	950
17250VA-24Q-GA-00	24	18.0 ~ 26.4	1.30	31.2	4000	300.17	8.5	1.07	267.0	58.0	950
17250VA-24R-GA-00	24	18.0 ~ 26.4	1.80	43.2	4600	346.08	9.8	1.25	312.0	62.0	950
17250VA-48P-GA-00	48	38.0 ~ 52.8	0.55	26.4	3750	282.52	8.0	0.93	232.0	56.0	950
17250VA-48Q-GA-00	48	38.0 ~ 52.8	0.65	31.2	4000	300.17	8.5	1.07	267.0	58.0	950
17250VA-48R-GA-00	48	38.0 ~ 52.8	0.90	43.2	4600	346.08	9.8	1.25	312.0	62.0	950

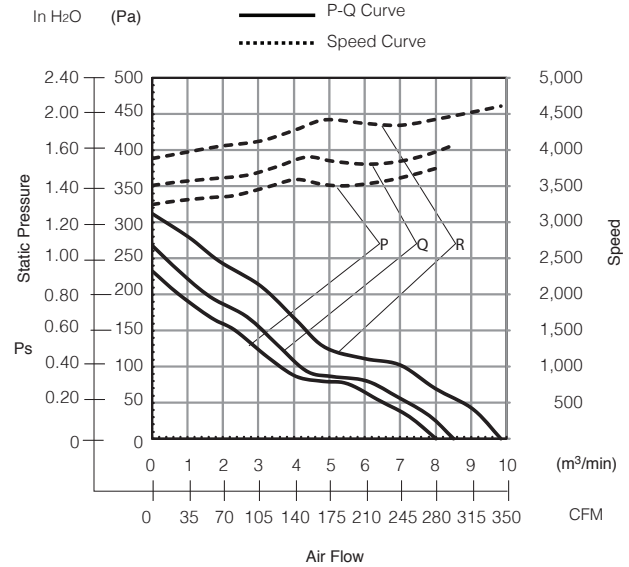
Rotation: Clockwise

Airflow Outlet: Air Out Over Struts

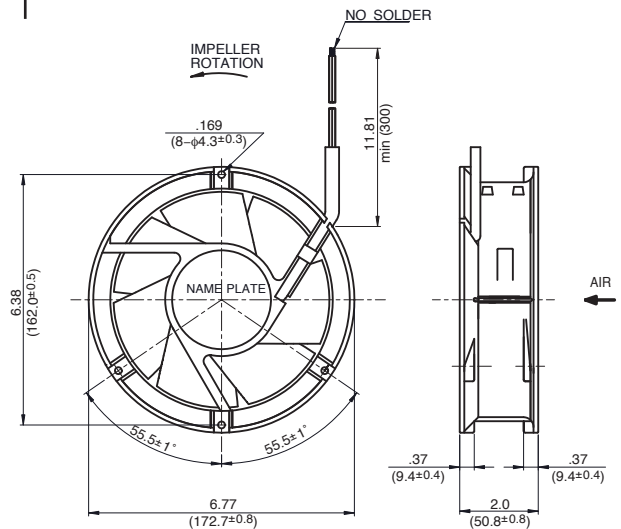
*1: Average Values in Free Air

Note: PWM/Locked Rotor/Tach Available

Characteristic Curves



Outline



General Specifications

Motor Protection:

Auto Restart/Polarity Protection

Insulation Resistance:

10M Ω or over with a DC500V Megger

Dielectric Withstand Voltage: AC 700V 1s

Allowable Ambient Temperature Range:

-10°C ~ +70°C (Operating)

-40°C ~ +70°C (Storage)

IP Code: IP69K

Expected Life

25°C 100,000 Hours (L10)

Material

Casing : Plastic (Black) UL94V-0

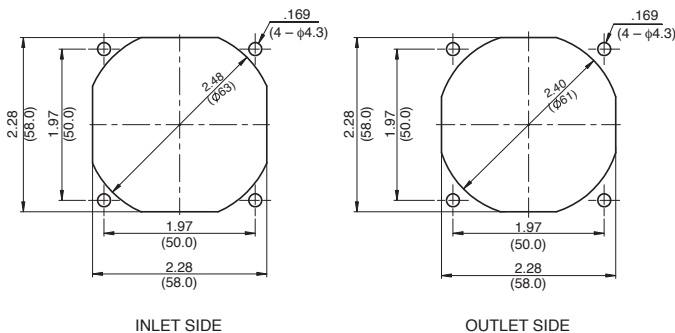
Impeller : Plastic (Black) UL94V-0

Bearing : Ball Bearing

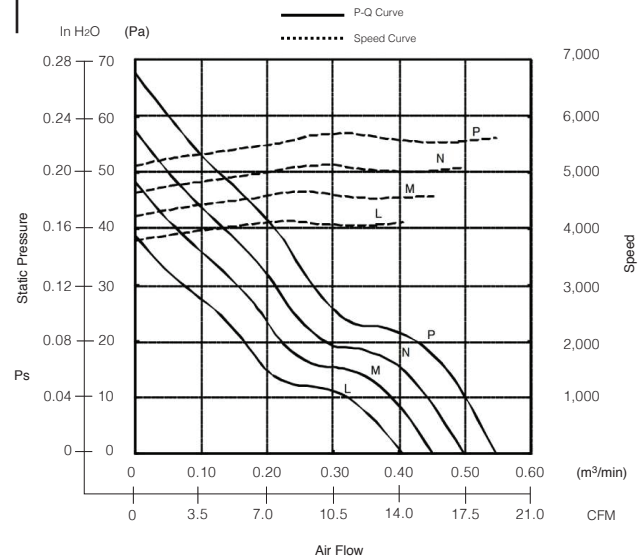
Lead Wire : UL3385, AWG26, +Red, -Black

Panel Cut-Outs

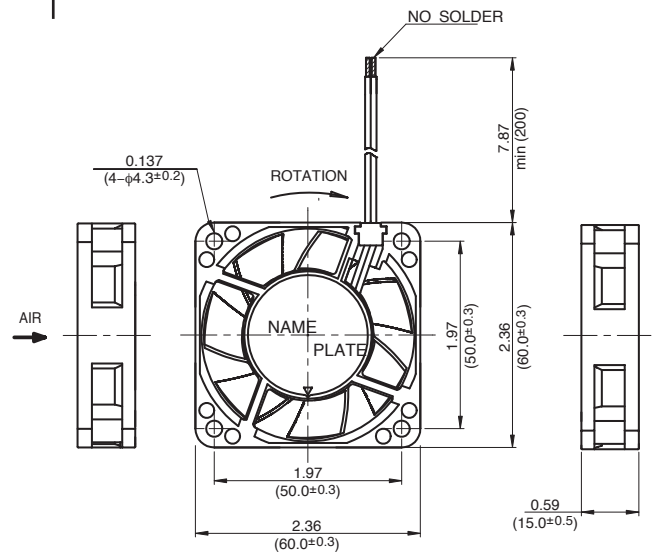
Units: $\frac{\text{inch}}{\text{mm}}$



Characteristic Curves



Outline



Specifications

MODEL	Rated Voltage	Operating Voltage	Current	Input Power	Speed	Max. Air Flow		Max. Static Pressure		Noise	Mass
	(V)	(V)	(A)*1	(W)*1	(min ⁻¹)*1	CFM*1	(m ³ /min)*1	in H ₂ O	(Pa)*1	(dB)*1	(g)
06015VA-24L-CA-00	24	10.0 ~ 27.6	0.04	0.96	4100	14.48	0.41	.16	38.8	28.5	60
06015VA-24M-CA-00	24	10.0 ~ 27.6	0.05	1.20	4600	15.89	0.45	.19	48.3	31.0	60
06015VA-24N-CA-00	24	10.0 ~ 27.6	0.06	1.44	5100	17.66	0.50	.23	57.5	33.5	60
06015VA-24P-CA-00	24	10.0 ~ 27.6	0.07	1.68	5600	19.42	0.55	.27	67.7	36.5	60

Rotation: Clockwise

Airflow Outlet: Air Out Over Struts

*1: Average Values in Free Air

Note: PWM/Locked Rotor/Tach Available

General Specifications

Motor Protection:

Auto Restart/Polarity Protection

Insulation Resistance:

10M Ω or over with a DC500V Megger

Dielectric Withstand Voltage: AC 700V 1s

Allowable Ambient Temperature Range:

-10°C ~ +70°C (Operating)

-40°C ~ +70°C (Storage)

IP Code: IP69K

Expected Life

25°C 100,000 Hours (L10)

Material

Casing : Plastic (Black) UL94V-0

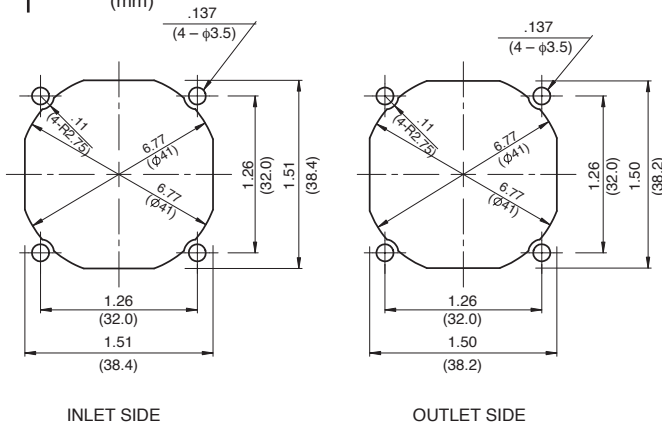
Impeller : Plastic (Black) UL94V-0

Bearing : Ball Bearing

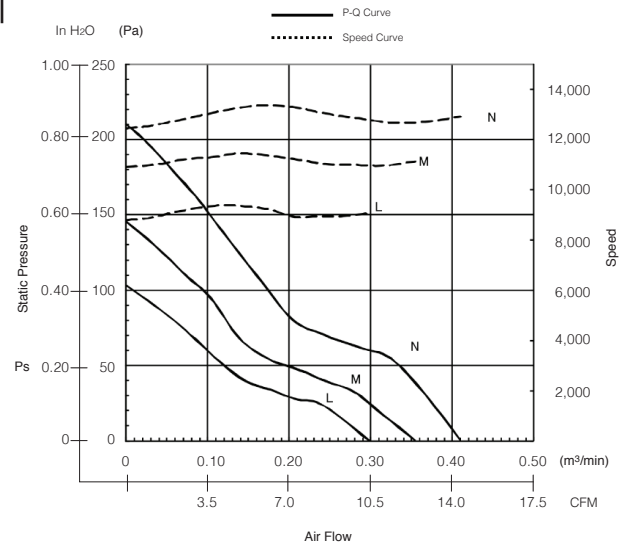
Lead Wire : UL3385, AWG26, +Red, -Black

Panel Cut-Outs

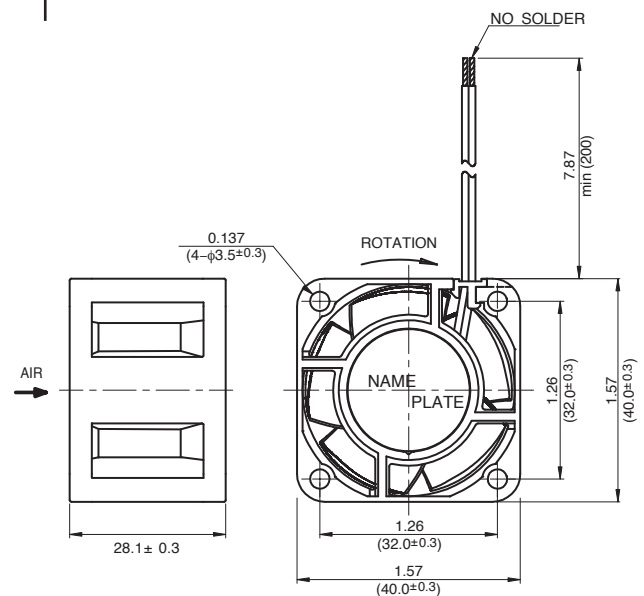
Units: $\frac{\text{inch}}{(\text{mm})}$



Characteristic Curves



Outline



Specifications

MODEL	Rated Voltage	Operating Voltage	Current	Input Power	Speed	Max. Air Flow		Max. Static Pressure		Noise	Mass
	(V)	(V)	(A)*1	(W)*1	(min ⁻¹)*1	CFM*1	(m³/min)*1	in H ₂ O	(Pa)*1	(dB)*1	(g)
04028VA-24L-CA-00	24	10.0 ~ 26.4	0.06	1.44	9000	10.24	0.29	.41	102.0	34.5	55
04028VA-24M-CA-00	24	10.0 ~ 26.4	0.07	1.68	11000	12.36	0.35	.58	145.3	39.0	55
04028VA-24N-CA-00	24	10.0 ~ 26.4	0.10	2.40	13000	14.48	0.41	.84	210.0	44.5	55

Rotation: Clockwise

Airflow Outlet: Air Out Over Struts

*1: Average Values in Free Air

Note: PWM/Locked Rotor/Tach Available

General Specifications

Motor Protection:

Auto Restart/Polarity Protection

Insulation Resistance:

10M Ω or over with a DC500V Megger

Dielectric Withstand Voltage: AC 700V 1s

Allowable Ambient Temperature Range:

-10°C ~ +70°C (Operating)

-40°C ~ +70°C (Storage)

IP Code: IP69K

Expected Life

25°C 100,000 Hours (L10)

Material

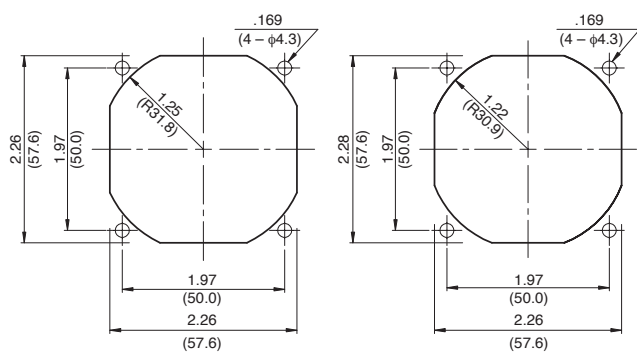
Casing : Plastic (Black) UL94V-0

Impeller : Plastic (Black) UL94V-0

Bearing : Ball Bearing

Lead Wire : UL3385, AWG26, +Red, -Black

Panel Cut-Outs

Units: $\frac{\text{inch}}{(\text{mm})}$ 

INLET SIDE

OUTLET SIDE

Specifications

MODEL	Rated Voltage	Operating Voltage	Current	Input Power	Speed	Max. Air Flow		Max. Static Pressure		Noise	Mass
	(V)	(V)	(A)*1	(W)*1	(min ⁻¹)*1	CFM*1	(m³/min)*1	in H ₂ O	(Pa)*1	(dB)*1	(g)
06025VA-24Q-CA-00	24	10.0 ~ 27.6	0.27	6.48	9200	39.2	1.11	.98	244	54.0	90

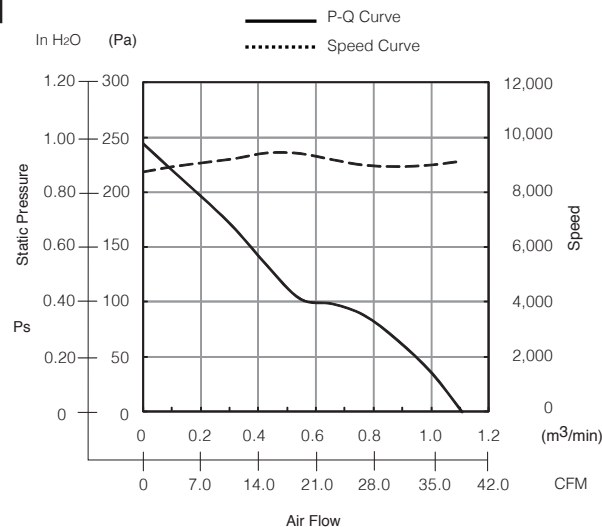
Rotation: Clockwise

Airflow Outlet: Air Out Over Struts

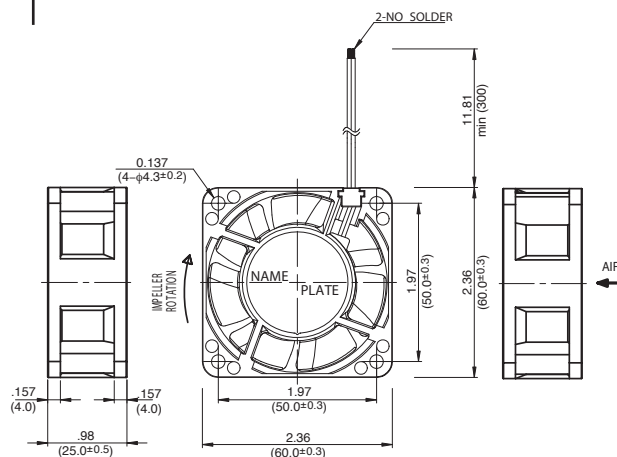
*1: Average Values in Free Air

Note: PWM/Locked Rotor/Tach Available

Characteristic Curves



Outline



General Specifications

Motor Protection:

Auto Restart/Polarity Protection

Insulation Resistance:

10M Ω or over with a DC500V Megger

Dielectric Withstand Voltage: AC 700V 1s

Allowable Ambient Temperature Range:

-10°C ~ +70°C (Operating)

-40°C ~ +70°C (Storage)

IP Code: IP69K

Expected Life

25°C 100,000 Hours (L10)

Material

Casing : Plastic (Black) UL94V-0

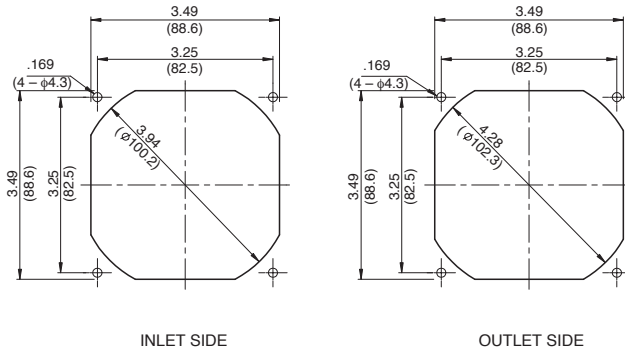
Impeller : Plastic (Black) UL94V-0

Bearing : Ball Bearing

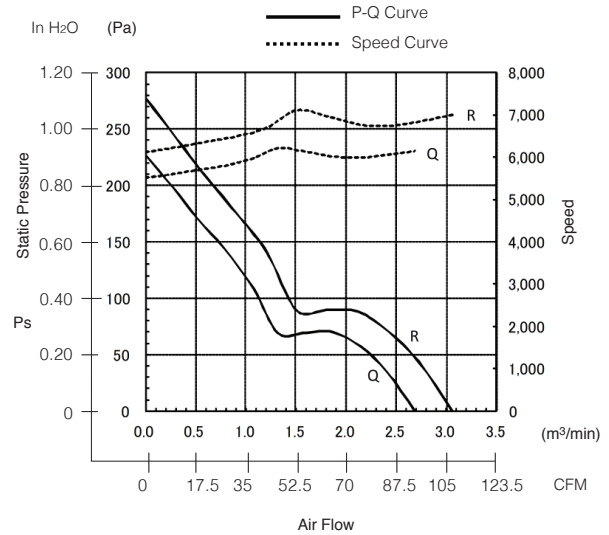
Lead Wire : UL3385, AWG24, +Red, -Black

Panel Cut-Outs

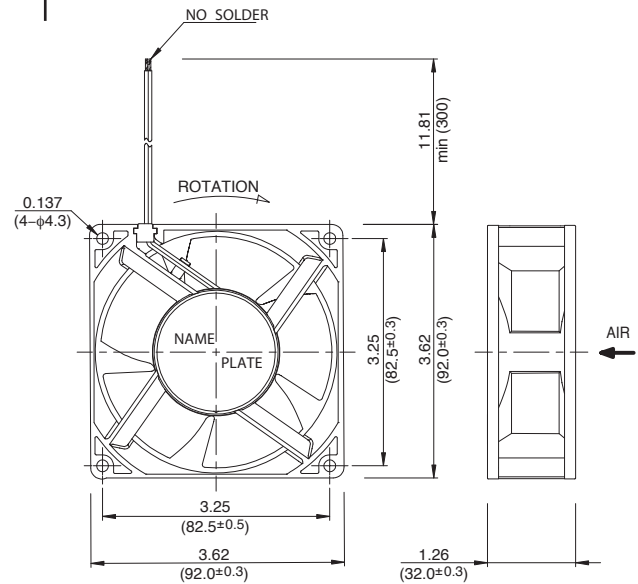
Units: $\frac{\text{inch}}{\text{mm}}$



Characteristic Curves



Outline



Specifications

MODEL	Rated Voltage	Operating Voltage	Current	Input Power	Speed	Max. Air Flow		Max. Static Pressure		Noise	Mass
	(V)	(V)	(A) ^{*1}	(W) ^{*1}	(min ⁻¹) ^{*1}	CFM ^{*1}	(m³/min) ^{*1}	in H ₂ O	(Pa) ^{*1}	(dB) ^{*1}	(g)
09232VA-24Q-CAS-0	24	10.0 ~ 26.4	0.35	8.40	6200	91.82	2.60	.90	225	56.0	220
09232VA-24R-CAS-0	24	10.0 ~ 26.4	0.50	12.00	7000	105.94	3.00	1.10	275	59.0	220

Rotation: Clockwise

Airflow Outlet: Air Out Over Struts

*1: Average Values in Free Air

Note: PWM/Locked Rotor/Tach Available

General Specifications

Motor Protection:

Auto Restart/Polarity Protection

Insulation Resistance:

10M Ω or over with a DC500V Megger

Dielectric Withstand Voltage: AC 700V 1s

Allowable Ambient Temperature Range:

-10°C ~ +70°C (Operating)

-40°C ~ +70°C (Storage)

IP Code: IP69K

Expected Life

25°C 100,000 Hours (L10)

Material

Casing : Aluminum (Black)

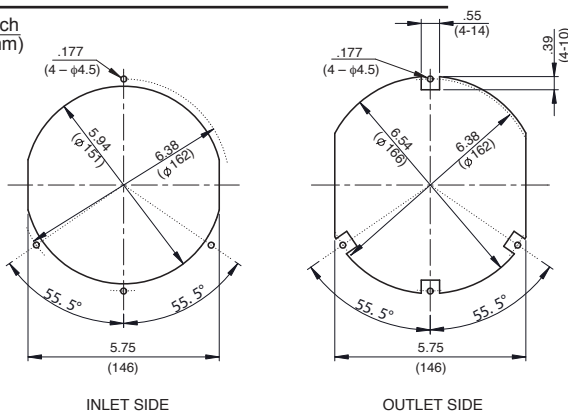
Impeller : Plastic (Black) UL94V-0

Bearing : Ball Bearing

Lead Wire : UL10368, AWG22, +Red, -Black

Panel Cut-Outs

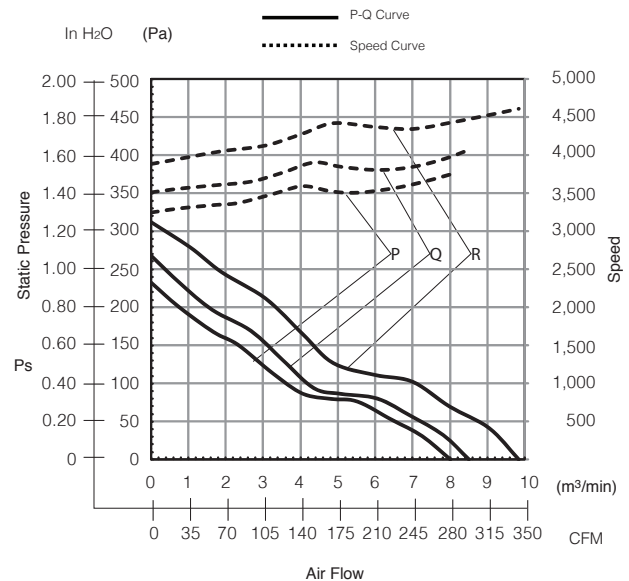
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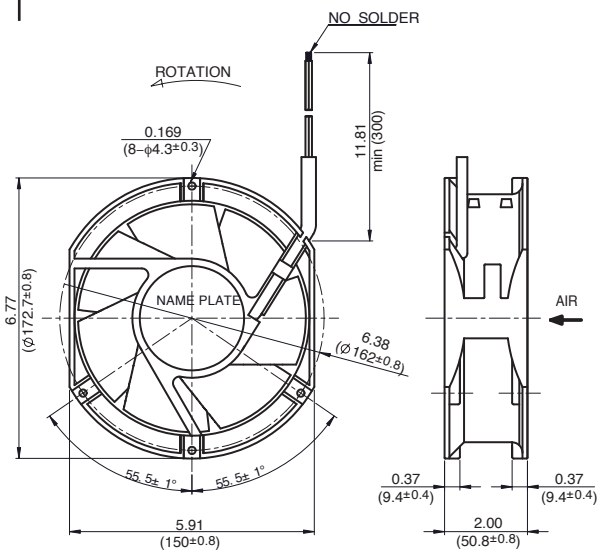
INLET SIDE

OUTLET SIDE

Characteristic Curves



Outline



Specifications

MODEL	Rated Voltage	Operating Voltage	Current	Input Power	Speed	Max. Air Flow		Max. Static Pressure		Noise	Mass
	(V)	(V)	(A) ^{*1}	(W) ^{*1}	(min ⁻¹) ^{*1}	CFM ^{*1}	(m ³ /min) ^{*1}	in H ₂ O	(Pa) ^{*1}	(dB) ^{*1}	(g)
15050VA-24P-GA-00	24	18.0 ~ 26.4	1.10	26.4	3750	282.52	8.0	0.93	232.0	62.0	870
15050VA-24Q-GA-00	24	18.0 ~ 26.4	1.30	31.2	4000	300.17	8.5	1.07	267.0	64.0	870
15050VA-24R-GA-00	24	18.0 ~ 26.4	1.80	43.2	4600	346.08	9.8	1.25	312.0	68.0	870
15050VA-48P-GA-00	48	38.0 ~ 52.8	0.55	26.4	3750	282.52	8.0	0.93	232.0	62.0	870
15050VA-48Q-GA-00	48	38.0 ~ 52.8	0.65	31.2	4000	300.17	8.5	1.07	267.0	64.0	870
15050VA-48R-GA-00	48	38.0 ~ 52.8	0.90	43.2	4600	346.08	9.8	1.25	312.0	68.0	870

General Specifications

Motor Protection:

Auto Restart/Polarity Protection

Insulation Resistance:

10M Ω or over with a DC500V Megger

Dielectric Withstand Voltage: AC 700V 1s

Allowable Ambient Temperature Range:

-10°C ~ +70°C (Operating)

-40°C ~ +70°C (Storage)

IP Code: IP69K

Expected Life

25°C 100,000 Hours (L10)

Material

Casing : Plastic (Black) UL94V-0

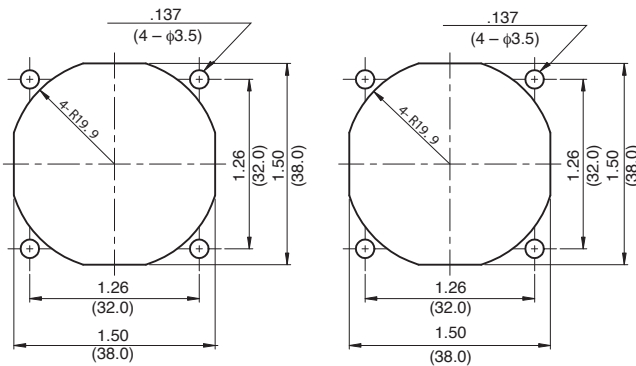
Impeller : Plastic (Black) UL94V-0

Bearing : Ball Bearing

Lead Wire : UL3385, AWG26, +Red, -Black

Panel Cut-Outs

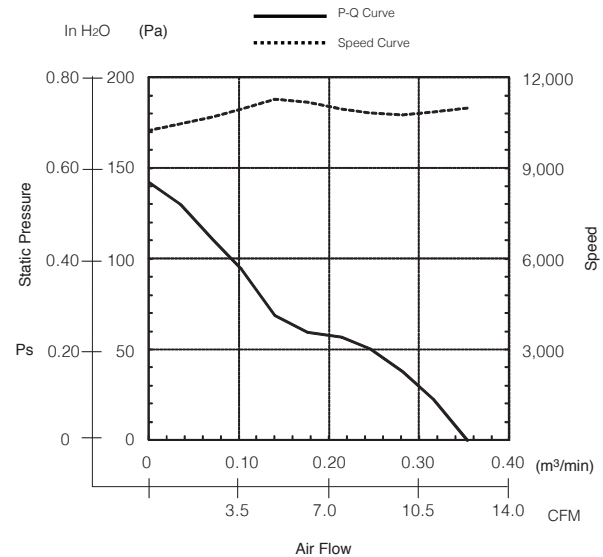
Units: $\frac{\text{inch}}{(\text{mm})}$



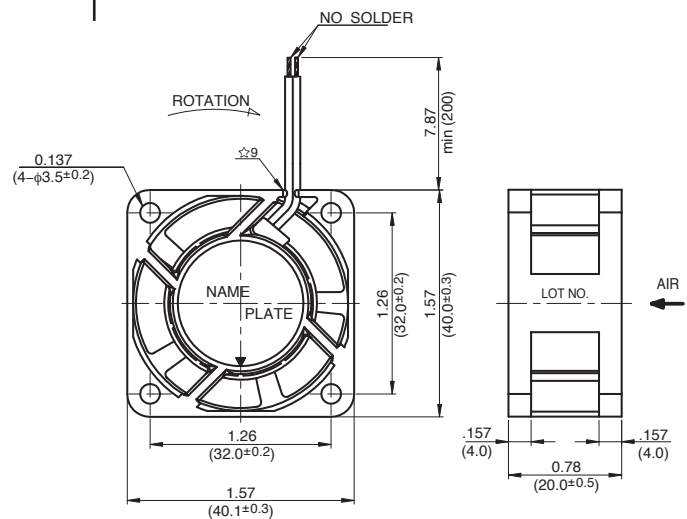
INLET SIDE

OUTLET SIDE

Characteristic Curves



Outline



Specifications

MODEL	Rated Voltage	Operating Voltage	Current	Input Power	Speed	Max. Air Flow		Max. Static Pressure		Noise	Mass
	(V)	(V)	(A) ^{*1}	(W) ^{*1}	(min ⁻¹) ^{*1}	CFM ^{*1}	(m³/min) ^{*1}	in H ₂ O	(Pa) ^{*1}	(dB) ^{*1}	(g)
04020VA-12Q-CA-00	12	9.0 ~ 13.2	0.13	1.56	11000	12.36	0.35	.57	142	42.0	40
04020VA-24Q-CA-00	24	14.0 ~ 26.4	0.09	2.16	11000	12.36	0.35	.57	142	42.0	40

Rotation: Clockwise

Airflow Outlet: Air Out Over Struts

*1: Average Values in Free Air

Note: PWM/Locked Rotor/Tach Available

General Specifications

Motor Protection:

Auto Restart/Polarity Protection

Insulation Resistance:

10M Ω or over with a DC500V Megger

Dielectric Withstand Voltage: AC 700V 1s

Allowable Ambient Temperature Range:

-10°C ~ +70°C (Operating)

-40°C ~ +70°C (Storage)

IP Code: IP69K

Expected Life

25°C 100,000 Hours (L10)

Material

Casing : Plastic (Black) UL94V-0

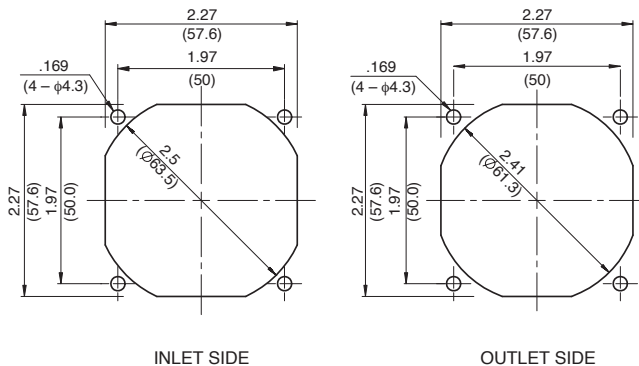
Impeller : Plastic (Black) UL94V-0

Bearing : Ball Bearing

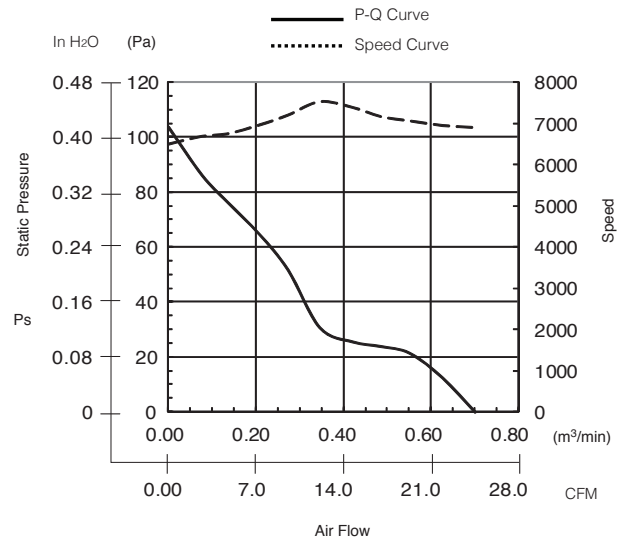
Lead Wire : UL3385, AWG26, +Red, -Black

Panel Cut-Outs

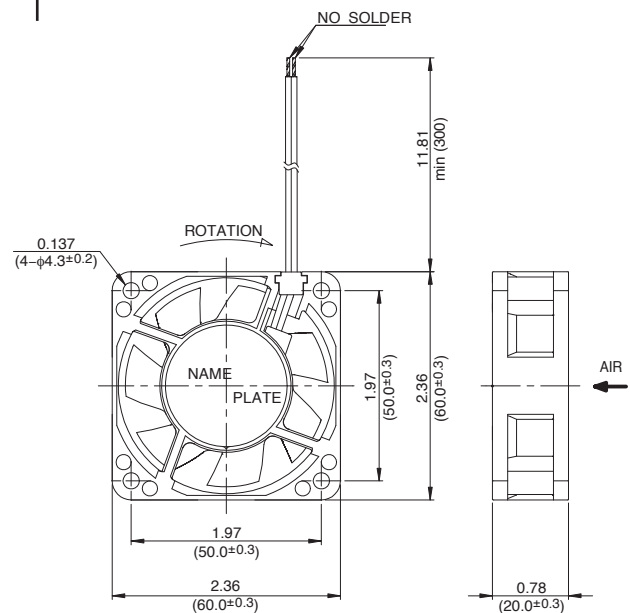
Units: $\frac{\text{inch}}{\text{mm}}$



Characteristic Curves



Outline



Specifications

MODEL	Rated Voltage	Operating Voltage	Current	Input Power	Speed	Max. Air Flow		Max. Static Pressure		Noise	Mass
	(V)	(V)	(A) ^{*1}	(W) ^{*1}	(min ⁻¹) ^{*1}	CFM ^{*1}	(m³/min) ^{*1}	in H ₂ O	(Pa) ^{*1}	(dB) ^{*1}	(g)
06020VA-24Q-CAS-0	24	10.0 ~ 26.4	0.15	3.60	6900	24.72	0.70	.40	100	42.0	80

Rotation: Clockwise

Airflow Outlet: Air Out Over Struts

*1: Average Values in Free Air

Note: PWM/Locked Rotor/Tach Available

General Specifications

Motor Protection:

Auto Restart/Polarity Protection

Insulation Resistance:

10M Ω or over with a DC500V Megger

Dielectric Withstand Voltage: AC 700V 1s

Allowable Ambient Temperature Range:

-10°C ~ +60°C (Operating)

-40°C ~ +60°C (Storage)

IP Code: IP69K

Expected Life

25°C 100,000 Hours (L10)

Material

Casing : Plastic (Black) UL94V-0

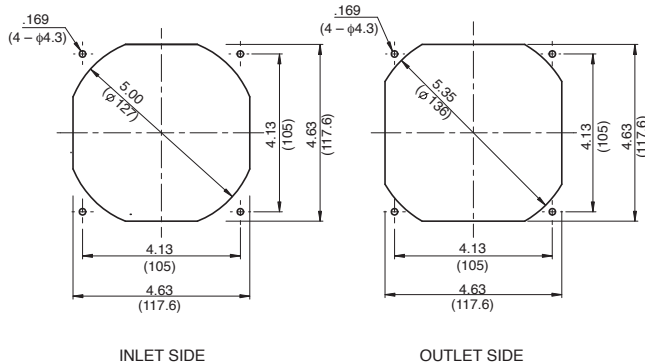
Impeller : Plastic (Black) UL94V-0

Bearing : Ball Bearing

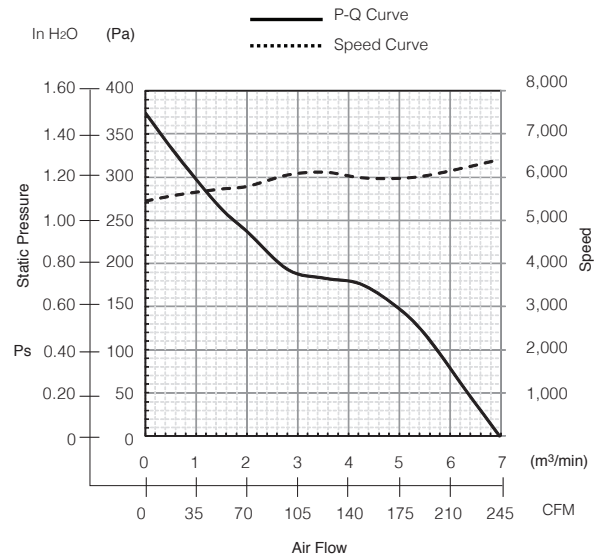
Lead Wire : UL10368, AWG22, +Red, -Black

Panel Cut-Outs

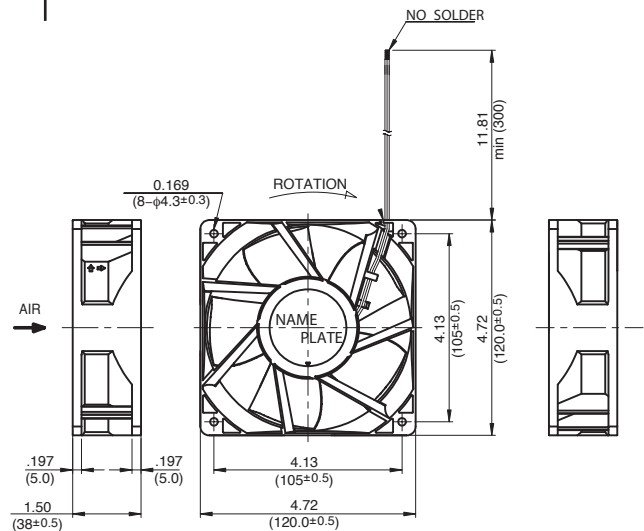
Units: $\frac{\text{inch}}{(\text{mm})}$



Characteristic Curves



Outline



Specifications

MODEL	Rated Voltage	Operating Voltage	Current	Input Power	Speed	Max. Air Flow		Max. Static Pressure		Noise	Mass
	(V)	(V)	(A) ^{*1}	(W) ^{*1}	(min ⁻¹) ^{*1}	CFM ^{*1}	(m³/min) ^{*1}	in H ₂ O	(Pa) ^{*1}	(dB) ^{*1}	(g)
12038VA-24R-GA-00	24	18.0 ~ 27.6	1.48	35.5	6400	243.67	6.9	1.48	370	64.0	370

Rotation: Clockwise

Airflow Outlet: Air Out Over Struts

*1: Average Values in Free Air

Note: PWM/Locked Rotor/Tach Available

General Specifications

Motor Protection:

Auto Restart/Polarity Protection

Insulation Resistance:

10M Ω or over with a DC500V Megger

Dielectric Withstand Voltage: AC 700V 1s

Allowable Ambient Temperature Range:

-10°C ~ +70°C (Operating)

-40°C ~ +70°C (Storage)

IP Code: IP69K

Expected Life

25°C 100,000 Hours (L10)

Material

Casing : Aluminum (Black)

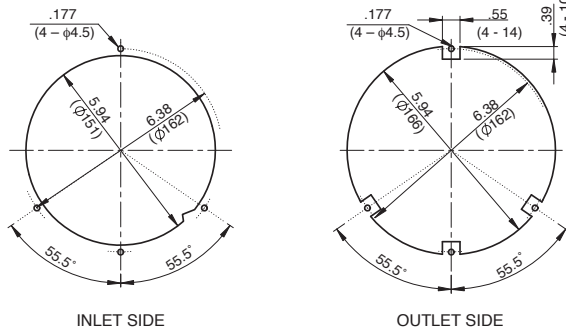
Impeller : Plastic (Black) UL94V-0

Bearing : Ball Bearing

Lead Wire : UL10368, AWG22, +Red, -Black

Panel Cut-Outs

Units: $\frac{\text{inch}}{\text{mm}}$



INLET SIDE

OUTLET SIDE

Specifications

MODEL	Rated Voltage	Operating Voltage	Current	Input Power	Speed	Max. Air Flow		Max. Static Pressure		Noise	Mass
	(V)	(V)	(A)*1	(W)*1	(min ⁻¹)*1	CFM*1	(m ³ /min)*1	in H ₂ O	(Pa)*1	(dB)*1	(g)
17250VA-24P-GA-00	24	18.0 ~ 26.4	1.10	26.4	3750	282.52	8.0	0.93	232.0	56.0	950
17250VA-24Q-GA-00	24	18.0 ~ 26.4	1.30	31.2	4000	300.17	8.5	1.07	267.0	58.0	950
17250VA-24R-GA-00	24	18.0 ~ 26.4	1.80	43.2	4600	346.08	9.8	1.25	312.0	62.0	950
17250VA-48P-GA-00	48	38.0 ~ 52.8	0.55	26.4	3750	282.52	8.0	0.93	232.0	56.0	950
17250VA-48Q-GA-00	48	38.0 ~ 52.8	0.65	31.2	4000	300.17	8.5	1.07	267.0	58.0	950
17250VA-48R-GA-00	48	38.0 ~ 52.8	0.90	43.2	4600	346.08	9.8	1.25	312.0	62.0	950

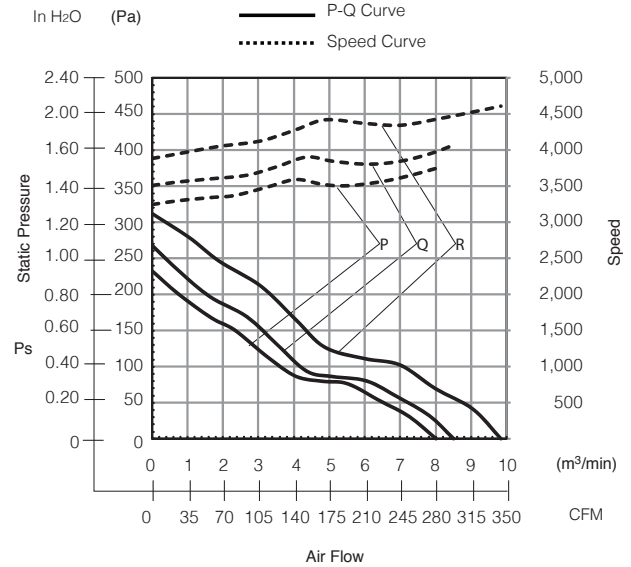
Rotation: Clockwise

Airflow Outlet: Air Out Over Struts

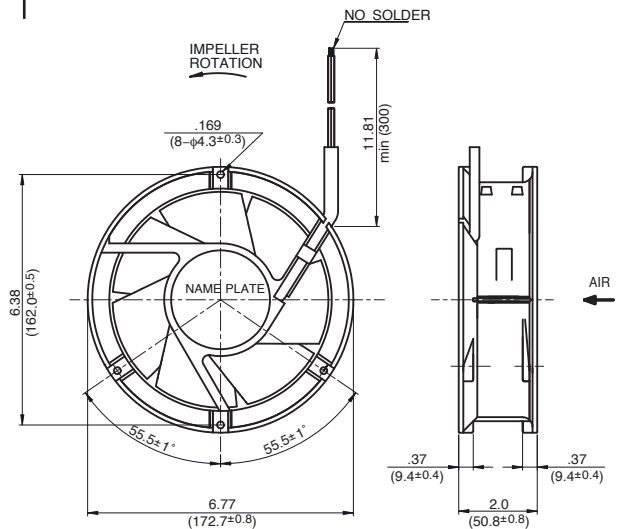
*1: Average Values in Free Air

Note: PWM/Locked Rotor/Tach Available

Characteristic Curves



Outline



Specifications

MODEL	Rated Voltage	Operating Voltage	Current	Input Power	Speed	Max. Air Flow		Max. Static Pressure		Noise	Mass
	(V)	(V)	(A) ^{*1}	(W) ^{*1}	(min ⁻¹) ^{*1}	CFM ^{*1}	(m ³ /min) ^{*1}	in H ₂ O	(Pa) ^{*1}	(dB) ^{*1}	(g)
09225VA-24K-CA-00	24	14.0 ~ 27.6	0.11	2.64	3200	54.03	1.53	.20	50.0	35.5	150
09225VA-24L-CA-00	24	14.0 ~ 27.6	0.14	3.36	3600	61.09	1.73	.26	65.0	38.5	150
09225VA-24M-CA-00	24	14.0 ~ 27.6	0.17	4.08	4000	68.16	1.93	.32	80.0	42.0	150
09225VA-24N-CA-00	24	14.0 ~ 27.6	0.22	5.28	4500	76.99	2.18	.39	98.0	45.0	150
09225VA-24P-CA-00	24	14.0 ~ 27.6	0.28	6.72	5000	85.81	2.43	.48	120.0	48.0	150
09225VA-24Q-CA-00	24	14.0 ~ 27.6	0.38	9.12	5600	96.41	2.73	.60	150.0	51.0	150

Rotation: Clockwise

Airflow Outlet: Air Out Over Struts

*1: Average Values in Free Air

Note: PWM/Locked Rotor/Tach Available

General Specifications

Motor Protection:

Auto Restart/Polarity Protection

Insulation Resistance:

10M Ω or over with a DC500V Megger

Dielectric Withstand Voltage: AC 700V 1s

Allowable Ambient Temperature Range:

-10°C ~ +70°C (Operating)

-40°C ~ +70°C (Storage)

IP Code: IP69K

Expected Life

25°C 100,000 Hours (L10)

Material

Casing : Plastic (Black) UL94V-0

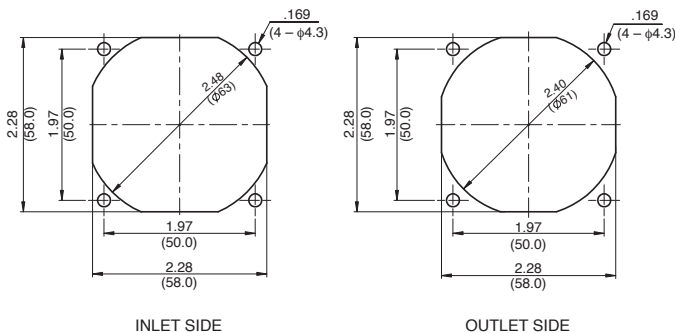
Impeller : Plastic (Black) UL94V-0

Bearing : Ball Bearing

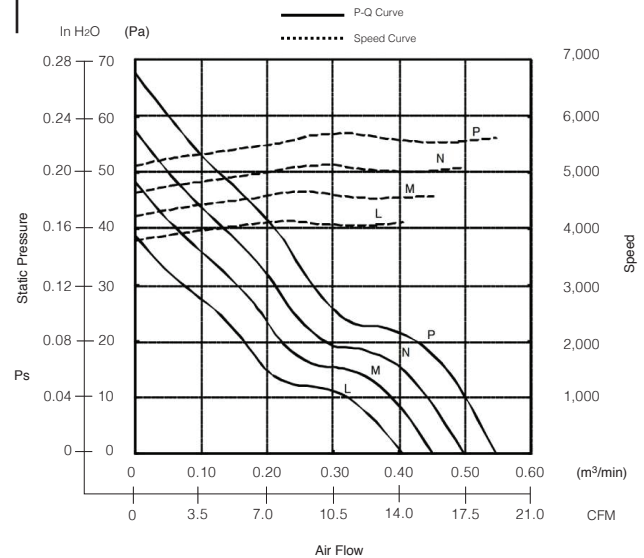
Lead Wire : UL3385, AWG26, +Red, -Black

Panel Cut-Outs

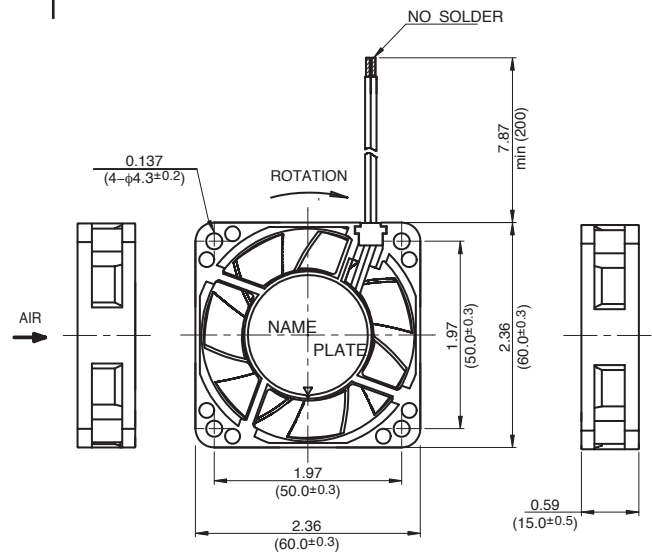
Units: $\frac{\text{inch}}{\text{mm}}$



Characteristic Curves



Outline



Specifications

MODEL	Rated Voltage	Operating Voltage	Current	Input Power	Speed	Max. Air Flow		Max. Static Pressure		Noise	Mass
	(V)	(V)	(A)*1	(W)*1	(min ⁻¹)*1	CFM*1	(m ³ /min)*1	in H ₂ O	(Pa)*1	(dB)*1	(g)
06015VA-24L-CA-00	24	10.0 ~ 27.6	0.04	0.96	4100	14.48	0.41	.16	38.8	28.5	60
06015VA-24M-CA-00	24	10.0 ~ 27.6	0.05	1.20	4600	15.89	0.45	.19	48.3	31.0	60
06015VA-24N-CA-00	24	10.0 ~ 27.6	0.06	1.44	5100	17.66	0.50	.23	57.5	33.5	60
06015VA-24P-CA-00	24	10.0 ~ 27.6	0.07	1.68	5600	19.42	0.55	.27	67.7	36.5	60

Rotation: Clockwise

Airflow Outlet: Air Out Over Struts

*1: Average Values in Free Air

Note: PWM/Locked Rotor/Tach Available

General Specifications

Motor Protection:

Auto Restart/Polarity Protection

Insulation Resistance:

10M Ω or over with a DC500V Megger

Dielectric Withstand Voltage: AC 700V 1s

Allowable Ambient Temperature Range:

-10°C ~ +70°C (Operating)

-40°C ~ +70°C (Storage)

IP Code: IP69K

Expected Life

25°C 100,000 Hours (L10)

Material

Casing : Plastic (Black) UL94V-0

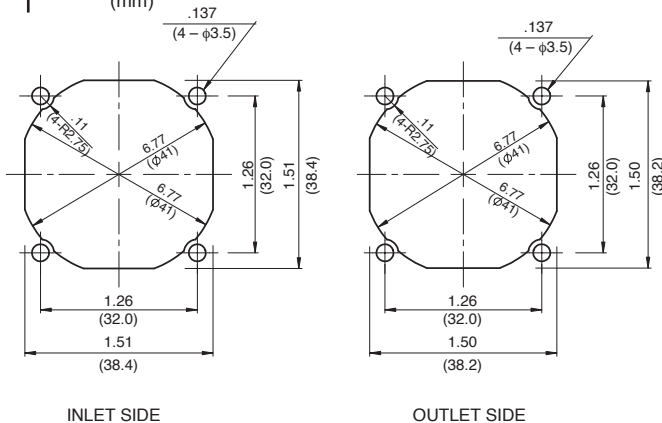
Impeller : Plastic (Black) UL94V-0

Bearing : Ball Bearing

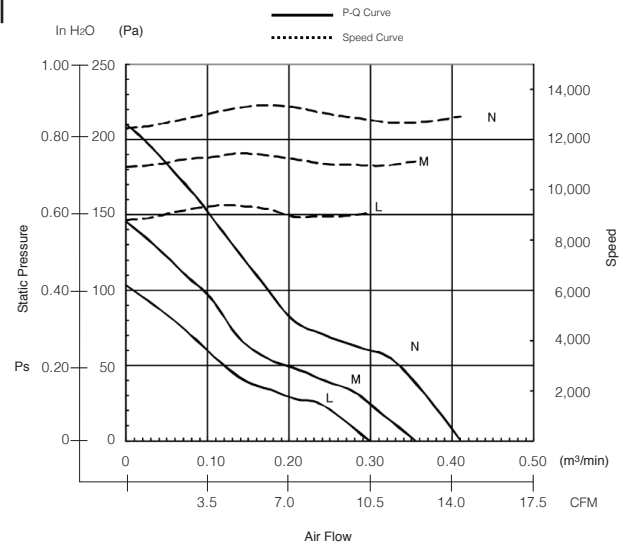
Lead Wire : UL3385, AWG26, +Red, -Black

Panel Cut-Outs

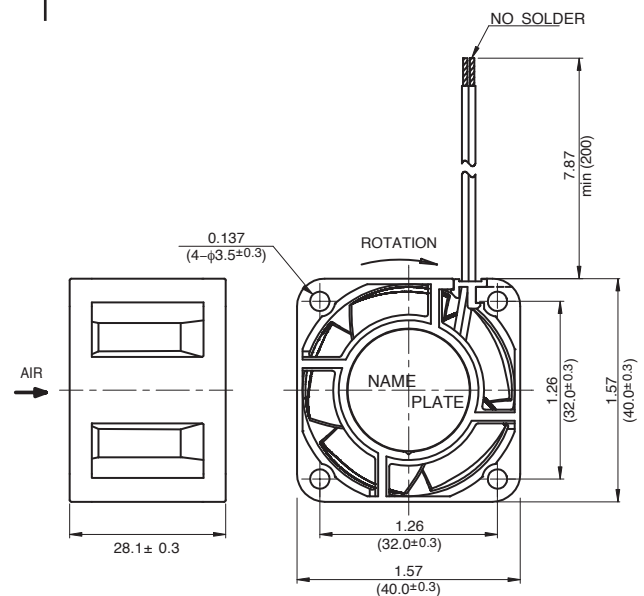
Units: $\frac{\text{inch}}{(\text{mm})}$



Characteristic Curves



Outline



Specifications

MODEL	Rated Voltage	Operating Voltage	Current	Input Power	Speed	Max. Air Flow		Max. Static Pressure		Noise	Mass
	(V)	(V)	(A)*1	(W)*1	(min ⁻¹)*1	CFM*1	(m³/min)*1	in H ₂ O	(Pa)*1	(dB)*1	(g)
04028VA-24L-CA-00	24	10.0 ~ 26.4	0.06	1.44	9000	10.24	0.29	.41	102.0	34.5	55
04028VA-24M-CA-00	24	10.0 ~ 26.4	0.07	1.68	11000	12.36	0.35	.58	145.3	39.0	55
04028VA-24N-CA-00	24	10.0 ~ 26.4	0.10	2.40	13000	14.48	0.41	.84	210.0	44.5	55

Rotation: Clockwise

Airflow Outlet: Air Out Over Struts

*1: Average Values in Free Air

Note: PWM/Locked Rotor/Tach Available

General Specifications

Motor Protection:

Auto Restart/Polarity Protection

Insulation Resistance:

10M Ω or over with a DC500V Megger

Dielectric Withstand Voltage: AC 700V 1s

Allowable Ambient Temperature Range:

-10°C ~ +70°C (Operating)

-40°C ~ +70°C (Storage)

IP Code: IP69K

Expected Life

25°C 100,000 Hours (L10)

Material

Casing : Plastic (Black) UL94V-0

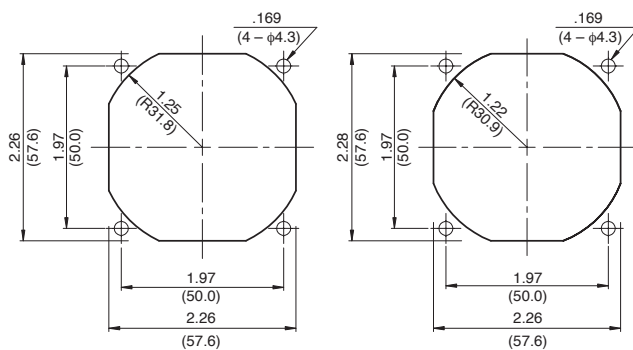
Impeller : Plastic (Black) UL94V-0

Bearing : Ball Bearing

Lead Wire : UL3385, AWG26, +Red, -Black

Panel Cut-Outs

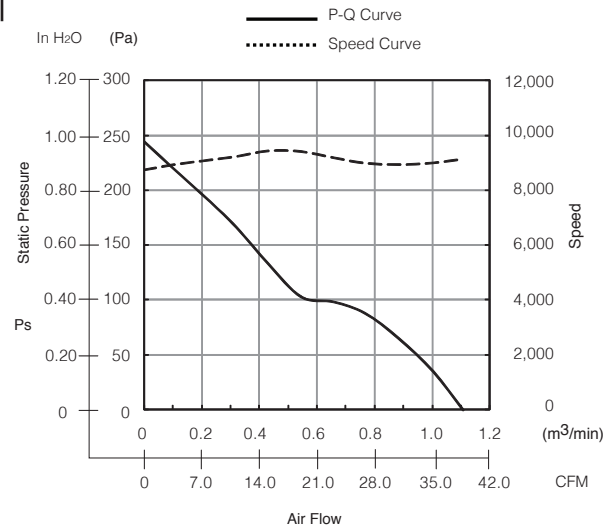
Units: $\frac{\text{inch}}{\text{mm}}$



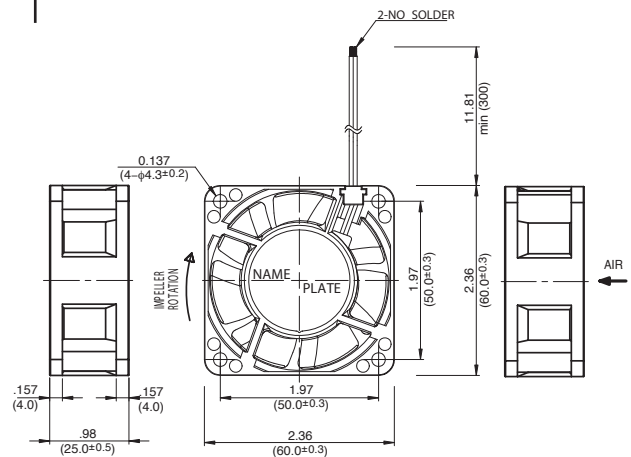
INLET SIDE

OUTLET SIDE

Characteristic Curves



Outline



Specifications

MODEL	Rated Voltage	Operating Voltage	Current	Input Power	Speed	Max. Air Flow		Max. Static Pressure		Noise	Mass
	(V)	(V)	(A) ^{*1}	(W) ^{*1}	(min ⁻¹) ^{*1}	CFM ^{*1}	(m ³ /min) ^{*1}	in H ₂ O	(Pa) ^{*1}	(dB) ^{*1}	(g)
06025VA-24Q-CA-00	24	10.0 ~ 27.6	0.27	6.48	9200	39.2	1.11	.98	244	54.0	90

Rotation: Clockwise

Airflow Outlet: Air Out Over Struts

*1: Average Values in Free Air

Note: PWM/Locked Rotor/Tach Available

General Specifications

Motor Protection:

Auto Restart/Polarity Protection

Insulation Resistance:

10M Ω or over with a DC500V Megger

Dielectric Withstand Voltage: AC 700V 1s

Allowable Ambient Temperature Range:

-10°C ~ +70°C (Operating)

-40°C ~ +70°C (Storage)

IP Code: IP69K

Expected Life

25°C 100,000 Hours (L10)

Material

Casing : Plastic (Black) UL94V-0

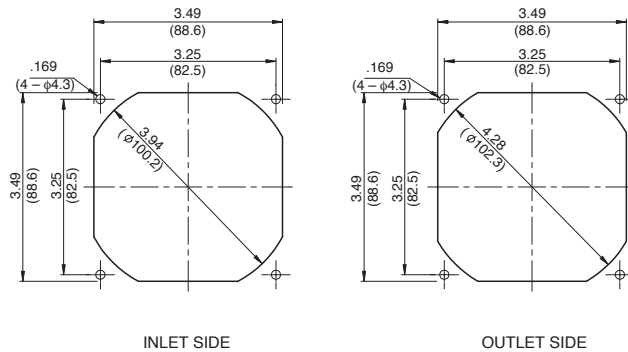
Impeller : Plastic (Black) UL94V-0

Bearing : Ball Bearing

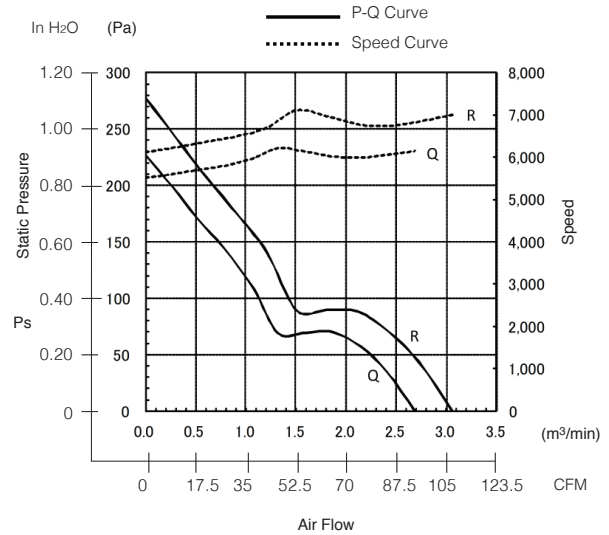
Lead Wire : UL3385, AWG24, +Red, -Black

Panel Cut-Outs

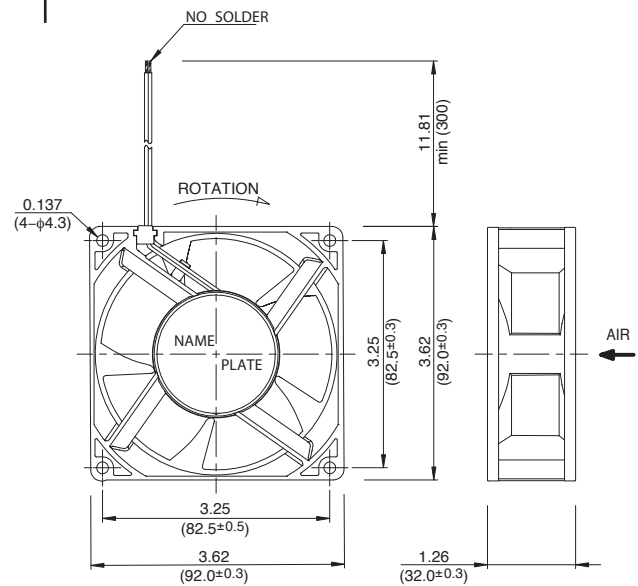
Units: $\frac{\text{inch}}{\text{mm}}$



Characteristic Curves



Outline



Specifications

MODEL	Rated Voltage	Operating Voltage	Current	Input Power	Speed	Max. Air Flow		Max. Static Pressure		Noise	Mass
	(V)	(V)	(A) ^{*1}	(W) ^{*1}	(min ⁻¹) ^{*1}	CFM ^{*1}	(m³/min) ^{*1}	in H ₂ O	(Pa) ^{*1}	(dB) ^{*1}	(g)
09232VA-24Q-CAS-0	24	10.0 ~ 26.4	0.35	8.40	6200	91.82	2.60	.90	225	56.0	220
09232VA-24R-CAS-0	24	10.0 ~ 26.4	0.50	12.00	7000	105.94	3.00	1.10	275	59.0	220

Rotation: Clockwise

Airflow Outlet: Air Out Over Struts

*1: Average Values in Free Air

Note: PWM/Locked Rotor/Tach Available

General Specifications

Motor Protection:

Auto Restart/Polarity Protection

Insulation Resistance:

10M Ω or over with a DC500V Megger

Dielectric Withstand Voltage: AC 700V 1s

Allowable Ambient Temperature Range:

-10°C ~ +70°C (Operating)

-40°C ~ +70°C (Storage)

IP Code: IP69K

Expected Life

25°C 100,000 Hours (L10)

Material

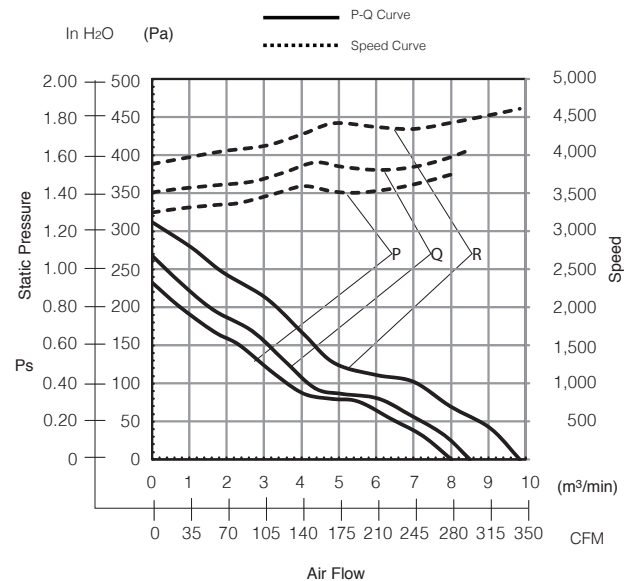
Casing : Aluminum (Black)

Impeller : Plastic (Black) UL94V-0

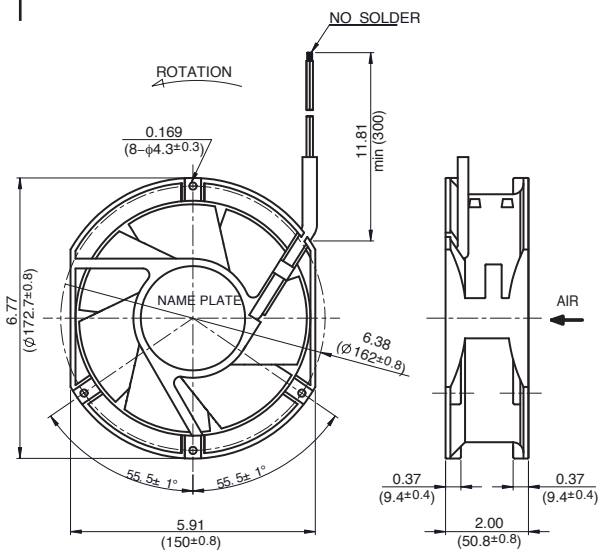
Bearing : Ball Bearing

Lead Wire : UL10368, AWG22, +Red, -Black

Characteristic Curves

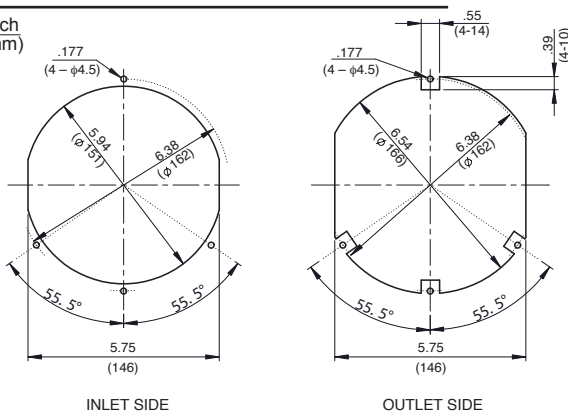


Outline



Panel Cut-Outs

Units: inch (mm)



Specifications

MODEL	Rated Voltage	Operating Voltage	Current	Input Power	Speed	Max. Air Flow		Max. Static Pressure		Noise	Mass
	(V)	(V)	(A) ^{*1}	(W) ^{*1}	(min ⁻¹) ^{*1}	CFM ^{*1}	(m ³ /min) ^{*1}	in H ₂ O	(Pa) ^{*1}	(dB) ^{*1}	(g)
15050VA-24P-GA-00	24	18.0 ~ 26.4	1.10	26.4	3750	282.52	8.0	0.93	232.0	62.0	870
15050VA-24Q-GA-00	24	18.0 ~ 26.4	1.30	31.2	4000	300.17	8.5	1.07	267.0	64.0	870
15050VA-24R-GA-00	24	18.0 ~ 26.4	1.80	43.2	4600	346.08	9.8	1.25	312.0	68.0	870
15050VA-48P-GA-00	48	38.0 ~ 52.8	0.55	26.4	3750	282.52	8.0	0.93	232.0	62.0	870
15050VA-48Q-GA-00	48	38.0 ~ 52.8	0.65	31.2	4000	300.17	8.5	1.07	267.0	64.0	870
15050VA-48R-GA-00	48	38.0 ~ 52.8	0.90	43.2	4600	346.08	9.8	1.25	312.0	68.0	870

Rotation: Clockwise

Airflow Outlet: Air Out Over Struts

*1: Average Values in Free Air

Note: PWM/Locked Rotor/Tach Available

General Specifications

Motor Protection:

Auto Restart/Polarity Protection

Insulation Resistance:

10M Ω or over with a DC500V Megger

Dielectric Withstand Voltage: AC 700V 1s

Allowable Ambient Temperature Range:

-10°C ~ +70°C (Operating)

-40°C ~ +70°C (Storage)

IP Code: IP69K

Expected Life

25°C 100,000 Hours (L10)

Material

Casing : Plastic (Black) UL94V-0

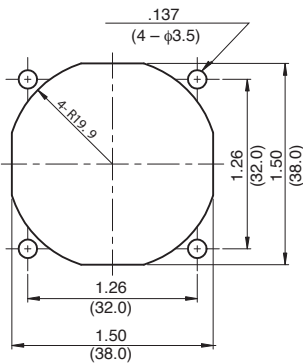
Impeller : Plastic (Black) UL94V-0

Bearing : Ball Bearing

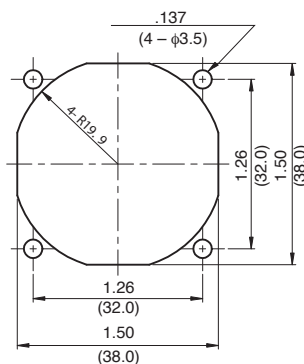
Lead Wire : UL3385, AWG26, +Red, -Black

Panel Cut-Outs

Units: $\frac{\text{inch}}{(\text{mm})}$

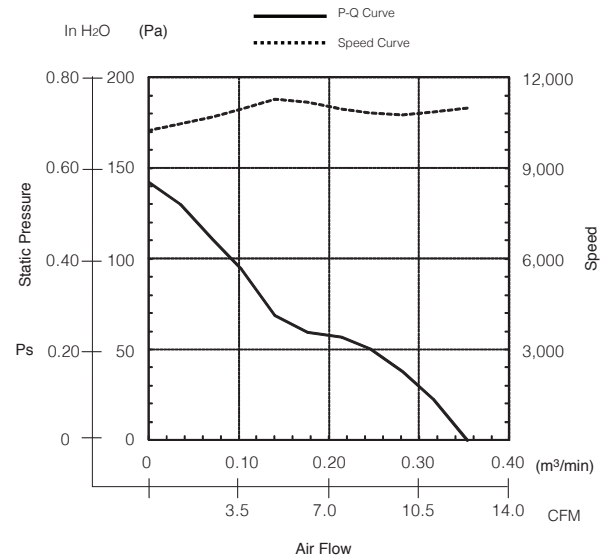


INLET SIDE

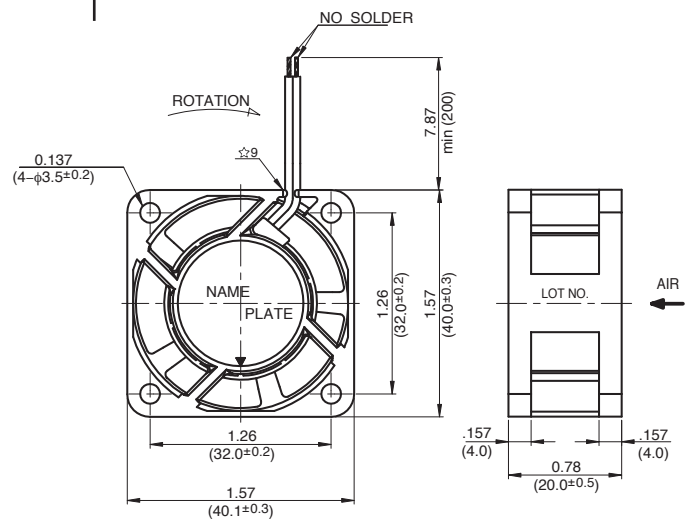


OUTLET SIDE

Characteristic Curves



Outline



Specifications

MODEL	Rated Voltage	Operating Voltage	Current	Input Power	Speed	Max. Air Flow		Max. Static Pressure		Noise	Mass
	(V)	(V)	(A) ^{*1}	(W) ^{*1}	(min ⁻¹) ^{*1}	CFM ^{*1}	(m³/min) ^{*1}	in H ₂ O	(Pa) ^{*1}	(dB) ^{*1}	(g)
04020VA-12Q-CA-00	12	9.0 ~ 13.2	0.13	1.56	11000	12.36	0.35	.57	142	42.0	40
04020VA-24Q-CA-00	24	14.0 ~ 26.4	0.09	2.16	11000	12.36	0.35	.57	142	42.0	40

Rotation: Clockwise

Airflow Outlet: Air Out Over Struts

*1: Average Values in Free Air

Note: PWM/Locked Rotor/Tach Available

General Specifications

Motor Protection:

Auto Restart/Polarity Protection

Insulation Resistance:

10M Ω or over with a DC500V Megger

Dielectric Withstand Voltage: AC 700V 1s

Allowable Ambient Temperature Range:

-10°C ~ +70°C (Operating)

-40°C ~ +70°C (Storage)

IP Code: IP69K

Expected Life

25°C 100,000 Hours (L10)

Material

Casing : Plastic (Black) UL94V-0

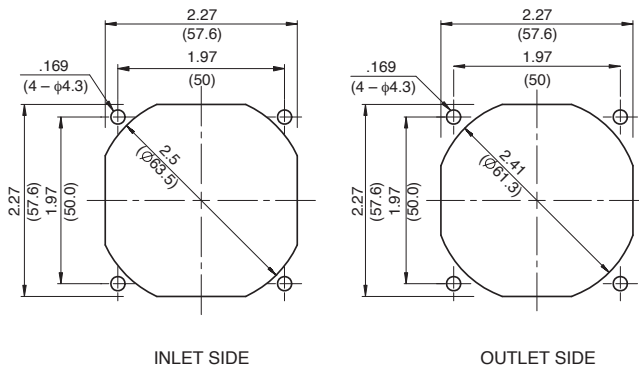
Impeller : Plastic (Black) UL94V-0

Bearing : Ball Bearing

Lead Wire : UL3385, AWG26, +Red, -Black

Panel Cut-Outs

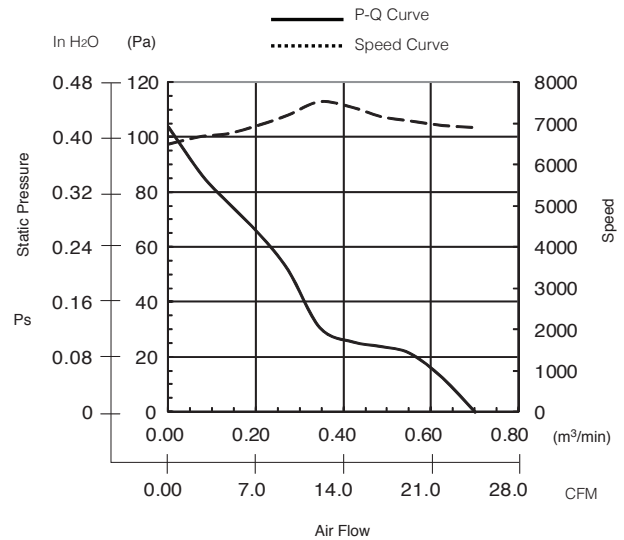
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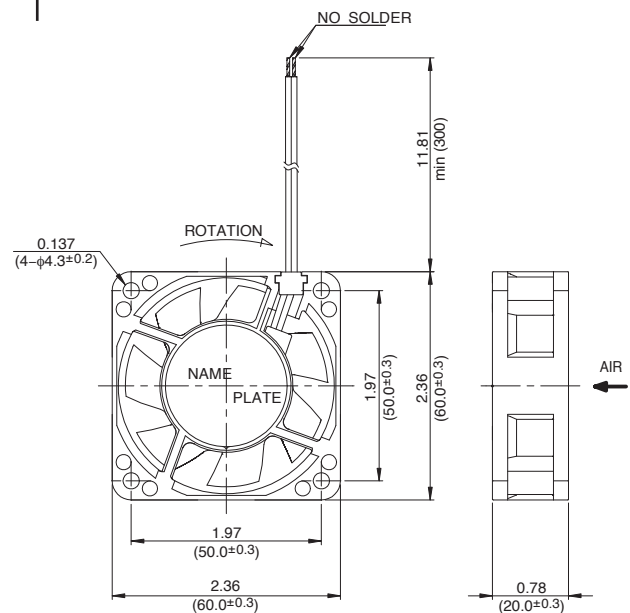
INLET SIDE

OUTLET SIDE

Characteristic Curves



Outline



Specifications

MODEL	Rated Voltage	Operating Voltage	Current	Input Power	Speed	Max. Air Flow		Max. Static Pressure		Noise	Mass
	(V)	(V)	(A) ^{*1}	(W) ^{*1}	(min ⁻¹) ^{*1}	CFM ^{*1}	(m³/min) ^{*1}	in H ₂ O	(Pa) ^{*1}	(dB) ^{*1}	(g)
06020VA-24Q-CAS-0	24	10.0 ~ 26.4	0.15	3.60	6900	24.72	0.70	.40	100	42.0	80

Rotation: Clockwise

Airflow Outlet: Air Out Over Struts

*1: Average Values in Free Air

Note: PWM/Locked Rotor/Tach Available

General Specifications

Motor Protection:

Auto Restart/Polarity Protection

Insulation Resistance:

10M Ω or over with a DC500V Megger

Dielectric Withstand Voltage: AC 700V 1s

Allowable Ambient Temperature Range:

-10°C ~ +60°C (Operating)

-40°C ~ +60°C (Storage)

IP Code: IP69K

Expected Life

25°C 100,000 Hours (L10)

Material

Casing : Plastic (Black) UL94V-0

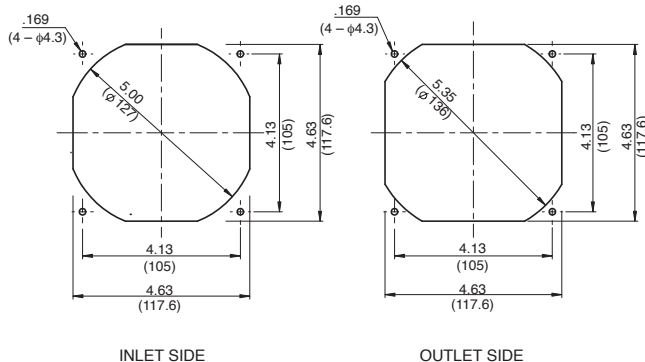
Impeller : Plastic (Black) UL94V-0

Bearing : Ball Bearing

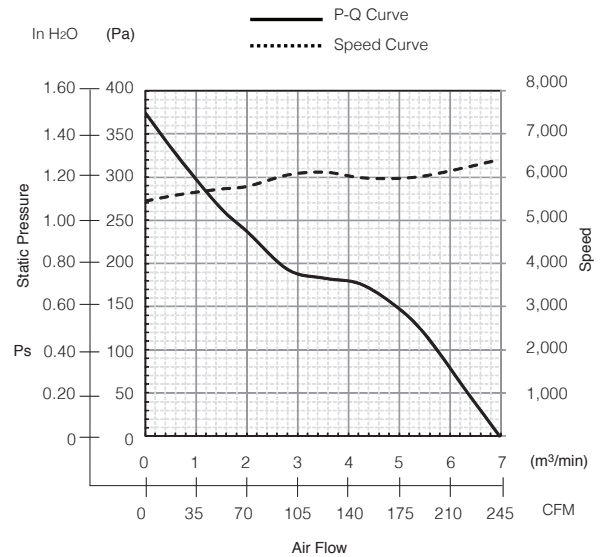
Lead Wire : UL10368, AWG22, +Red, -Black

Panel Cut-Outs

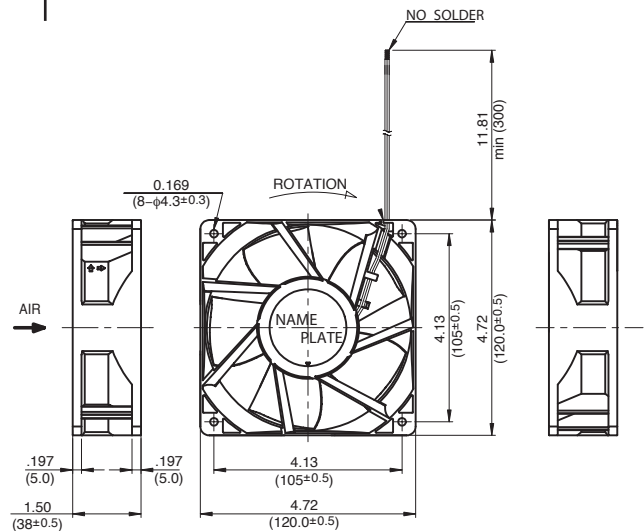
Units: $\frac{\text{inch}}{(\text{mm})}$



Characteristic Curves



Outline



Specifications

MODEL	Rated Voltage	Operating Voltage	Current	Input Power	Speed	Max. Air Flow		Max. Static Pressure		Noise	Mass
	(V)	(V)	(A) ^{*1}	(W) ^{*1}	(min ⁻¹) ^{*1}	CFM ^{*1}	(m³/min) ^{*1}	in H ₂ O	(Pa) ^{*1}	(dB) ^{*1}	(g)
12038VA-24R-GA-00	24	18.0 ~ 27.6	1.48	35.5	6400	243.67	6.9	1.48	370	64.0	370

Rotation: Clockwise

Airflow Outlet: Air Out Over Struts

*1: Average Values in Free Air

Note: PWM/Locked Rotor/Tach Available

General Specifications

Motor Protection:

Auto Restart/Polarity Protection

Insulation Resistance:

10M Ω or over with a DC500V Megger

Dielectric Withstand Voltage: AC 700V 1s

Allowable Ambient Temperature Range:

-10°C ~ +70°C (Operating)

-40°C ~ +70°C (Storage)

IP Code: IP69K

Expected Life

25°C 100,000 Hours (L10)

Material

Casing : Aluminum (Black)

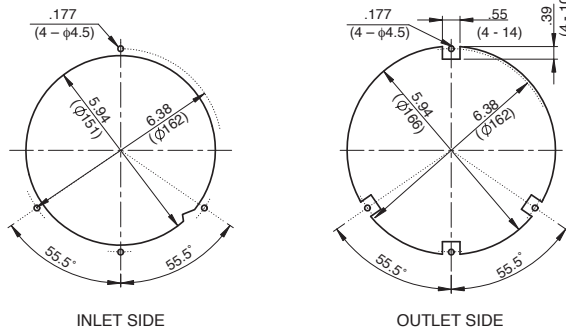
Impeller : Plastic (Black) UL94V-0

Bearing : Ball Bearing

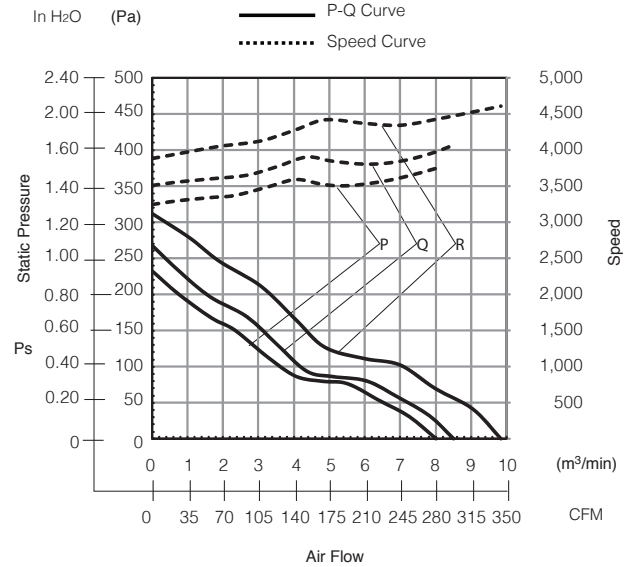
Lead Wire : UL10368, AWG22, +Red, -Black

Panel Cut-Outs

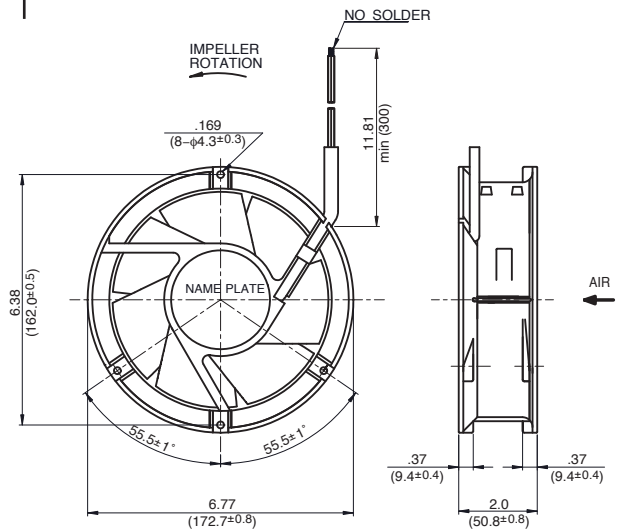
Units: $\frac{\text{inch}}{(\text{mm})}$



Characteristic Curves



Outline



Specifications

MODEL	Rated Voltage	Operating Voltage	Current	Input Power	Speed	Max. Air Flow		Max. Static Pressure		Noise	Mass
	(V)	(V)	(A)*1	(W)*1	(min ⁻¹)*1	CFM*1	(m³/min)*1	in H ₂ O	(Pa)*1	(dB)*1	(g)
17250VA-24P-GA-00	24	18.0 ~ 26.4	1.10	26.4	3750	282.52	8.0	0.93	232.0	56.0	950
17250VA-24Q-GA-00	24	18.0 ~ 26.4	1.30	31.2	4000	300.17	8.5	1.07	267.0	58.0	950
17250VA-24R-GA-00	24	18.0 ~ 26.4	1.80	43.2	4600	346.08	9.8	1.25	312.0	62.0	950
17250VA-48P-GA-00	48	38.0 ~ 52.8	0.55	26.4	3750	282.52	8.0	0.93	232.0	56.0	950
17250VA-48Q-GA-00	48	38.0 ~ 52.8	0.65	31.2	4000	300.17	8.5	1.07	267.0	58.0	950
17250VA-48R-GA-00	48	38.0 ~ 52.8	0.90	43.2	4600	346.08	9.8	1.25	312.0	62.0	950