

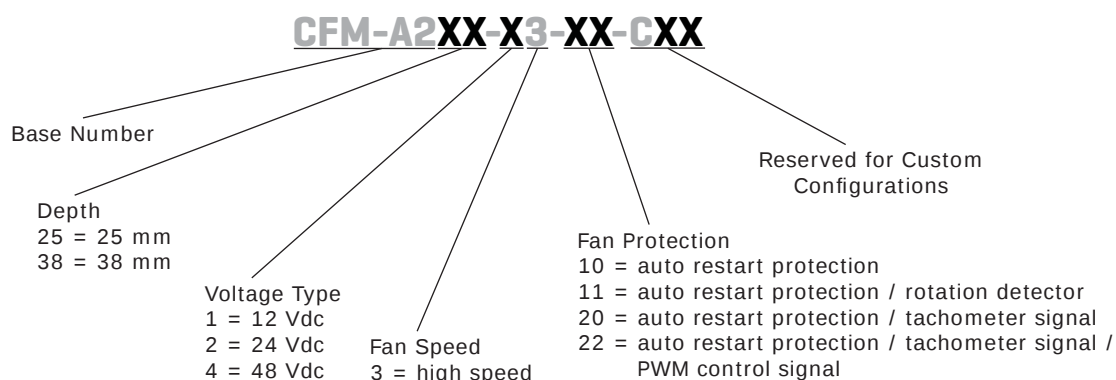
SERIES: CFM 120 | **DESCRIPTION:** DC AXIAL FAN
FEATURES

- 120 x 120 mm frame
- high fan speed for greater air flow
- two ball bearing construction
- auto restart protection standard on all models



MODEL	rated voltage	operating voltage	rated current	input current	input power	fan protection			
	(Vdc)	(Vdc)	max (A)	max (A)	max (W)	auto restart	tachometer signal	rotation detector	PWM control signal
CFM-A225-13-10	12	6~13.8	0.59	0.79	9.48	x	-	-	-
CFM-A225-13-11	12	6~13.8	0.59	0.79	9.48	x	-	x	-
CFM-A225-13-20	12	6~13.8	0.59	0.79	9.48	x	x	-	-
CFM-A225-13-22	12	6~13.8	0.59	0.79	9.48	x	x	-	x
CFM-A225-23-10	24	16~27.6	0.31	0.39	9.36	x	-	-	-
CFM-A225-23-11	24	16~27.6	0.31	0.39	9.36	x	-	x	-
CFM-A225-23-20	24	16~27.6	0.31	0.39	9.36	x	x	-	-
CFM-A225-23-22	24	16~27.6	0.31	0.39	9.36	x	x	-	x
CFM-A225-43-10	48	30~55.2	0.17	0.23	11.04	x	-	-	-
CFM-A225-43-11	48	30~55.2	0.17	0.23	11.04	x	-	x	-
CFM-A225-43-20	48	30~55.2	0.17	0.23	11.04	x	x	-	-
CFM-A225-43-22	48	30~55.2	0.17	0.23	11.04	x	x	-	x
CFM-A238-13-10	12	6~13.8	1.40	1.75	21	x	-	-	-
CFM-A238-13-11	12	6~13.8	1.40	1.75	21	x	-	x	-
CFM-A238-13-20	12	6~13.8	1.40	1.75	21	x	x	-	-
CFM-A238-13-22	12	6~13.8	1.40	1.75	21	x	x	-	x
CFM-A238-23-10	24	16~27.6	0.70	0.88	21.12	x	-	-	-
CFM-A238-23-11	24	16~27.6	0.70	0.88	21.12	x	-	x	-
CFM-A238-23-20	24	16~27.6	0.70	0.88	21.12	x	x	-	-
CFM-A238-23-22	24	16~27.6	0.70	0.88	21.12	x	x	-	x
CFM-A238-43-10	48	30~55.2	0.36	0.48	23.04	x	-	-	-
CFM-A238-43-11	48	30~55.2	0.36	0.48	23.04	x	-	x	-
CFM-A238-43-20	48	30~55.2	0.36	0.48	23.04	x	x	-	-
CFM-A238-43-22	48	30~55.2	0.36	0.48	23.04	x	x	-	x

PART NUMBER KEY

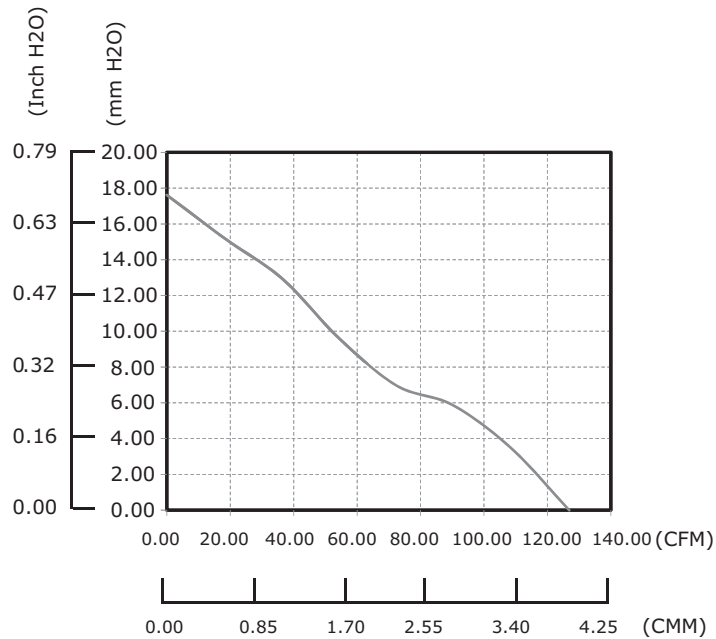


SPECIFICATION

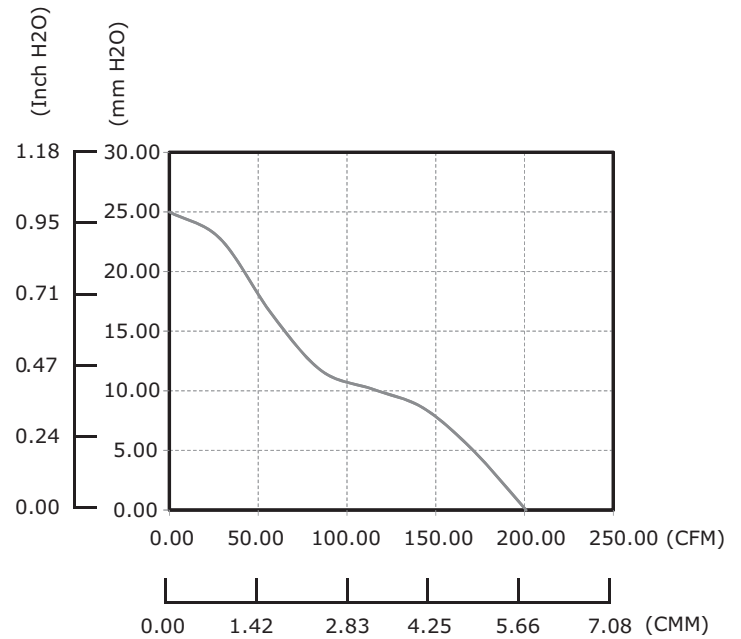
parameter	conditions/description	min	typ	max	units
frame			120		mm
depth	CFM-A225 models		25		mm
	CFM-A238 models		38		mm
starting voltage	at 25°C, power on/off	12 V models	6		Vdc
		24 V models	8		Vdc
		48 V models	24		Vdc
rated speed	at 25°C, after 10 minutes	CFM-A225 models	3,690	4,100	RPM
		CFM-A238 models	4,140	4,600	RPM
air flow	at 0 mm H ₂ O, see performance curves	CFM-A225-13 models	126.90		CFM
		CFM-A225-23/43 models	126.85		CFM
		CFM-A238 models	200.87		CFM
static pressure	at 0 CFM, see performance curves	CFM-A225-13 models	17.62		mmH ₂ O
		CFM-A225-23/43 models	17.62		mmH ₂ O
		CFM-A238 models	25.00		mmH ₂ O
noise	at 1 m	CFM-A225-13/43 models	51.5	53.0	dBA
		CFM-A225-23 models	51.5	53.1	dBA
		CFM-A238 models	59.5	60.5	dBA
insulation resistance of frame	at 500 Vdc between frame and positive terminal	10			MΩ
dielectric strength	at 500 Vac, 60 Hz, 1 minute between frame and positive terminal			5	mA
life expectancy	at 45°C, 15~65 RH			70,000	hours
operating temperature		-10		70	°C
humidity range		15		66	RH
RoHS	yes				

PERFORMANCE CURVES

CFM-A225



CFM-A238



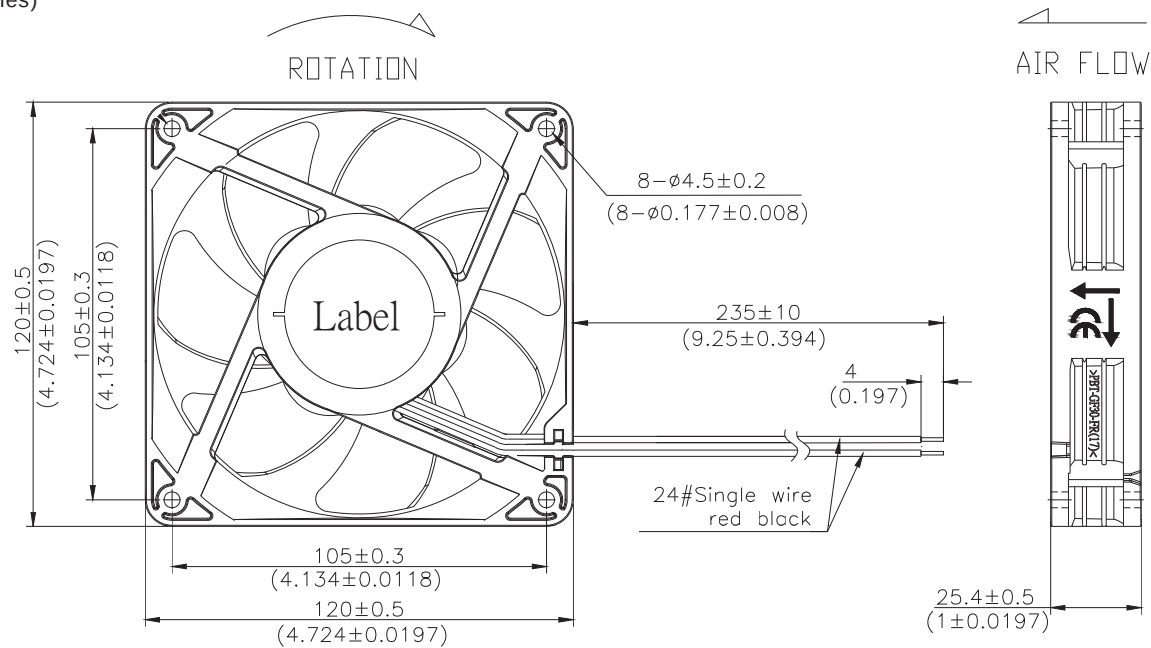
MECHANICAL

parameter	conditions/description	min	typ	max	units
bearing system	ball bearing				
motor protection	auto restart, polarity protection				
material	UL94V-0				
weight	CFM-A225-13 models		190.0		g
	CFM-A225-23/43 models		190.6		g
	CFM-A238-13 models		297.0		g
	CFM-A238-23 models		283.7		g
	CFM-A238-23 models		283.2		g

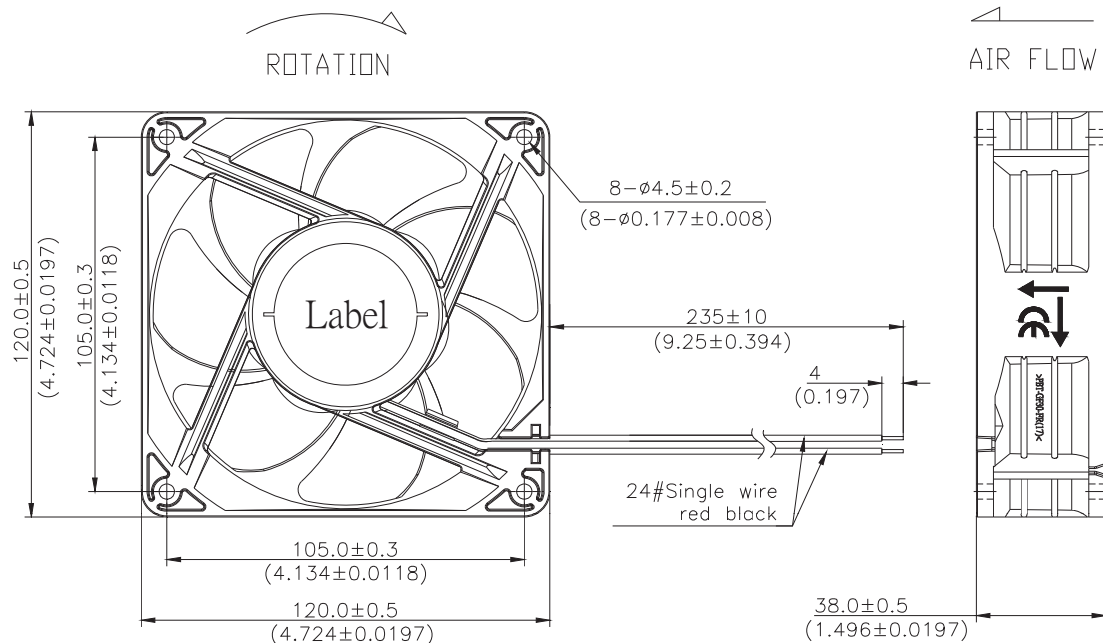
MECHANICAL DRAWING

units: mm (inches)

CFM-A225



CFM-A238



REVISION HISTORY

rev.	description	date
1.0	initial release	10/15/2012

The revision history provided is for informational purposes only and is believed to be accurate.



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