

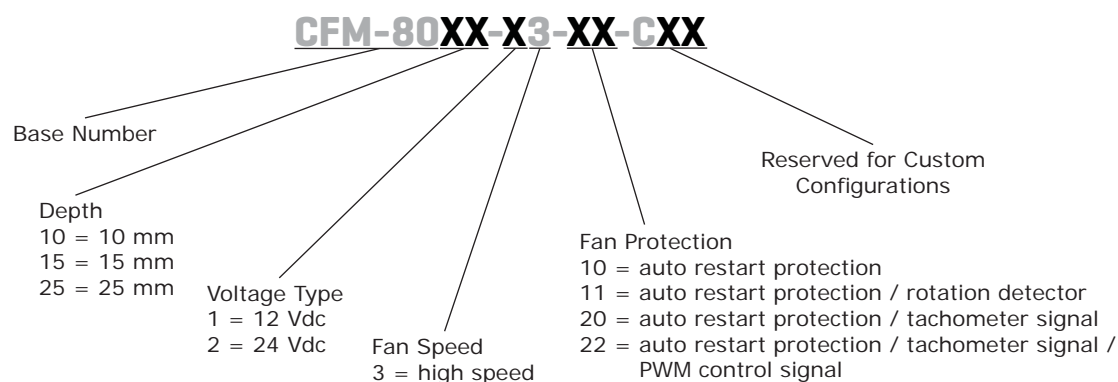
**SERIES:** CFM 80 | **DESCRIPTION:** DC AXIAL FAN
**FEATURES**

- 80 x 80 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 max	input current max	input power max	fan protection			
	(Vdc)	(Vdc)	(A)	(A)	(W)	auto restart	tachometer signal	rotation detector	PWM control signal
CFM-8010-13-10	12	6~13.8	0.16	0.24	2.88	x	-	-	-
CFM-8010-13-11	12	6~13.8	0.16	0.24	2.88	x	-	x	-
CFM-8010-13-20	12	6~13.8	0.16	0.24	2.88	x	x	-	-
CFM-8010-13-22	12	6~13.8	0.16	0.24	2.88	x	x	-	x
CFM-8015-13-10	12	6~13.8	0.18	0.24	2.88	x	-	-	-
CFM-8015-13-11	12	6~13.8	0.18	0.24	2.88	x	-	x	-
CFM-8015-13-20	12	6~13.8	0.18	0.24	2.88	x	x	-	-
CFM-8015-13-22	12	6~13.8	0.18	0.24	2.88	x	x	-	x
CFM-8025-13-10	12	6~13.8	0.33	0.43	5.16	x	-	-	-
CFM-8025-13-11	12	6~13.8	0.33	0.43	5.16	x	-	x	-
CFM-8025-13-20	12	6~13.8	0.33	0.43	5.16	x	x	-	-
CFM-8025-13-22	12	6~13.8	0.33	0.43	5.16	x	x	-	x
CFM-8025-23-10	24	16~27.6	0.16	0.25	4.8	x	-	-	-
CFM-8025-23-11	24	16~27.6	0.16	0.25	4.8	x	-	x	-
CFM-8025-23-20	24	16~27.6	0.16	0.25	4.8	x	x	-	-
CFM-8025-23-22	24	16~27.6	0.16	0.25	4.8	x	x	-	x

## PART NUMBER KEY

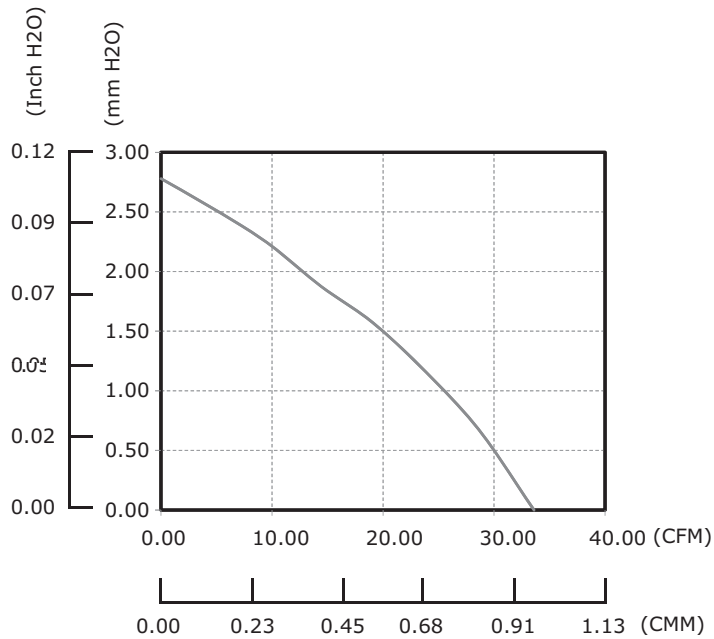


## SPECIFICATION

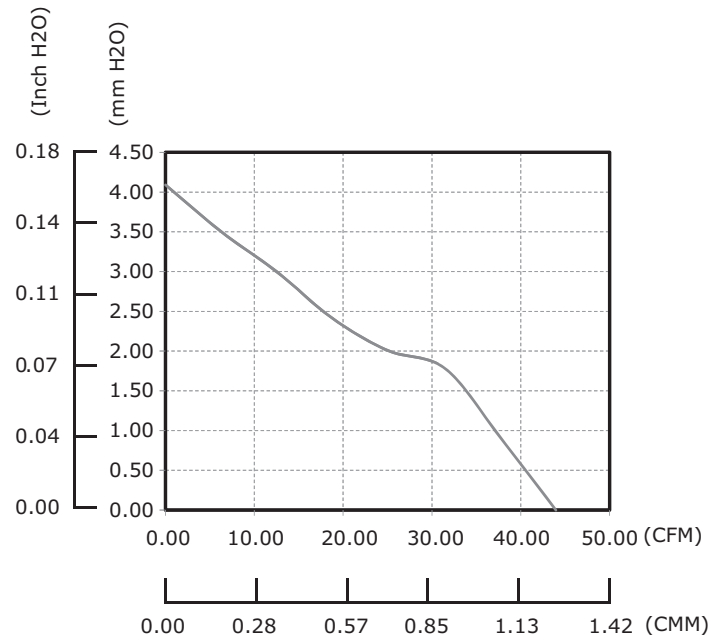
parameter	conditions/description		min	typ	max	units
frame				80		mm
depth		CFM-8010 models		10		mm
		CFM-8015 models		15		mm
		CFM-8025 models		25		mm
starting voltage	at 25°C, power on/off	CFM-8010/15 models		6		Vdc
		CFM-8025-13 models		4		Vdc
		CFM-8025-23 models		6		Vdc
rated speed	at 25°C, after 10 minutes	CFM-8010 models	2,970	3,300	3,630	RPM
		CFM-8015 models	3,150	3,500	3,850	RPM
		CFM-8025 models	4,590	5,100	5,610	RPM
air flow	at 0 mm H <sub>2</sub> O, see performance curves	CFM-8010 models		33.61		CFM
		CFM-8015 models		43.96		CFM
		CFM-8025 models		69.20		CFM
static pressure	at 0 CFM, see performance curves	CFM-8010 models		2.79		mmH2O
		CFM-8015 models		4.13		mmH2O
		CFM-8025 models		10.56		mmH2O
noise	at 1 m	CFM-8010 models		36.0	38.2	dBA
		CFM-8015 models		38.0	39.8	dBA
		CFM-8025 models		45.5	47.0	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

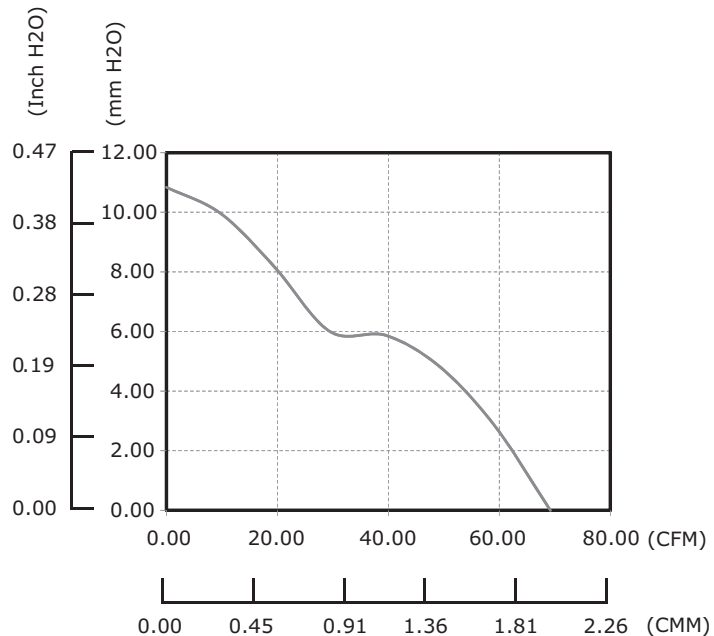
### CFM-8010



### CFM-8015



### CFM-8025

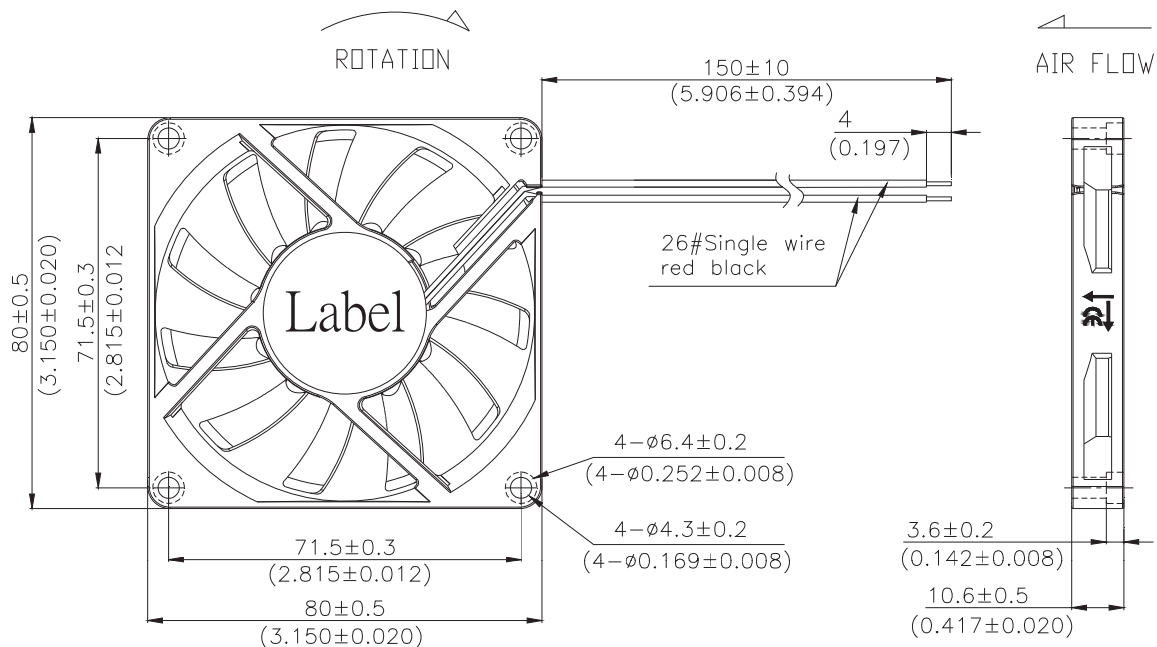
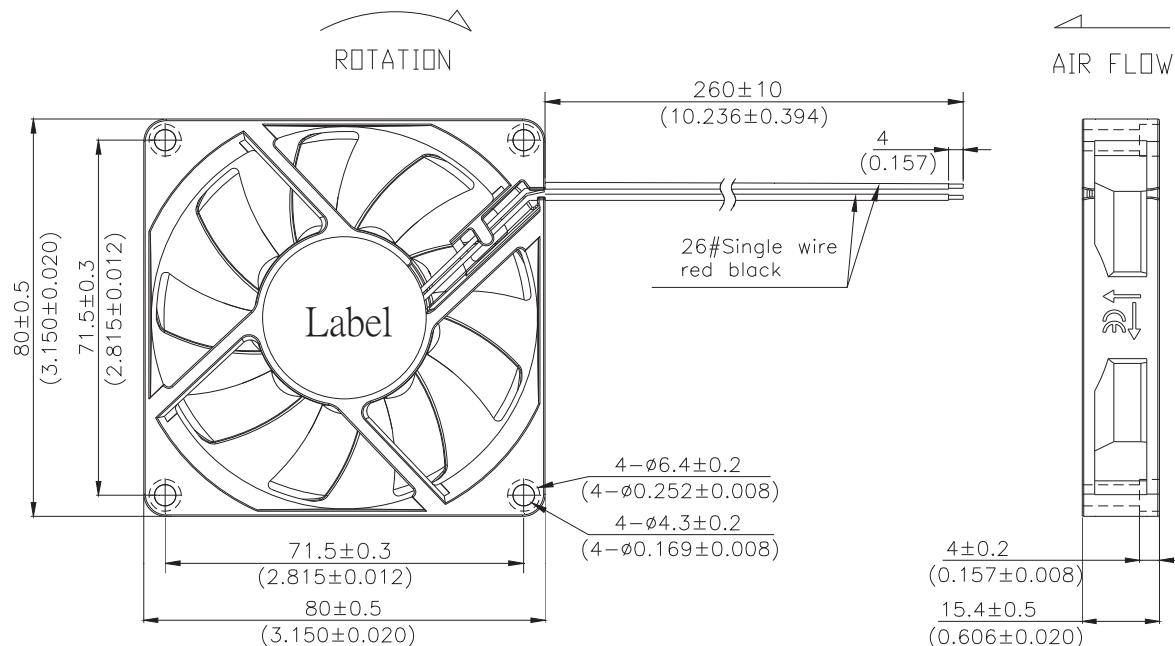


**MECHANICAL**

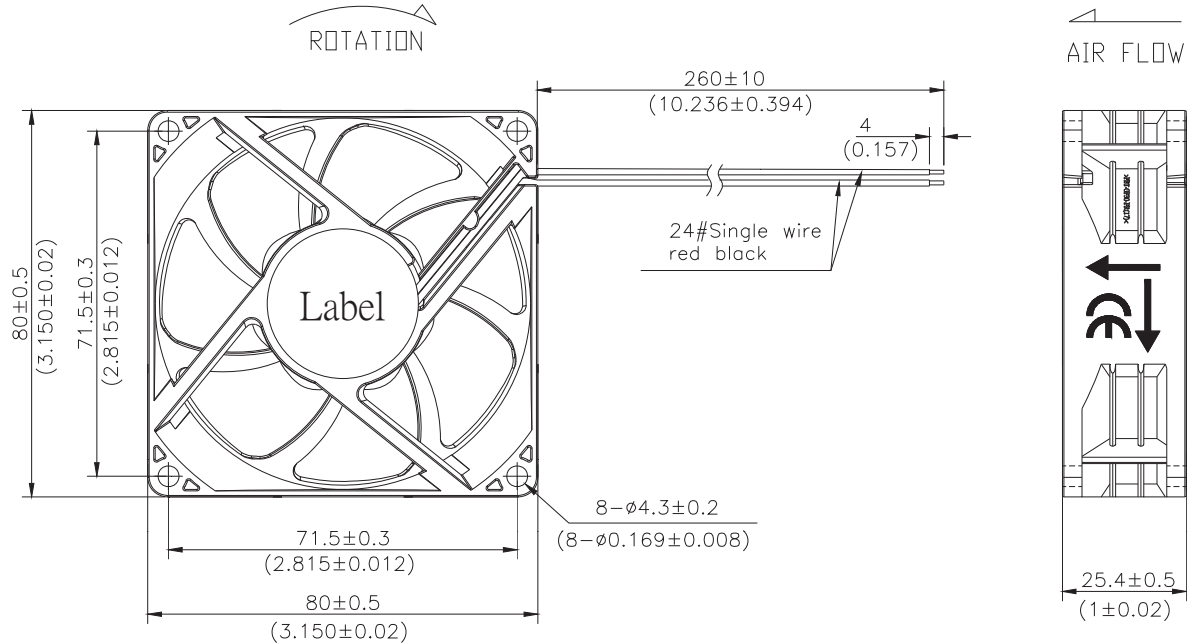
parameter	conditions/description	min	typ	max	units
bearing system	ball bearing				
motor protection	auto restart, polarity protection				
material	UL94V-0				
weight	CFM-8010 models		42.6		g
	CFM-8015 models		59.2		g
	CFM-8025-13 models		87.7		g
	CFM-8025-23 models		91.6		g

**MECHANICAL DRAWING**

units: mm (inches)

**CFM-8010****CFM-8015**

# CFM-8025



## 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.



**Headquarters**  
20050 SW 112th Ave.  
Tualatin, OR 97062  
**800.275.4899**

Fax 503.612.2383  
**cui.com**  
 techsupport@cui.com

CUI offers a two (2) year limited warranty. Complete warranty information is listed on our website.

CUI reserves the right to make changes to the product at any time without notice. Information provided by CUI is believed to be accurate and reliable. However, no responsibility is assumed by CUI for its use, nor for any infringements of patents or other rights of third parties which may result from its use.

CUI products are not authorized or warranted for use as critical components in equipment that requires an extremely high level of reliability. A critical component is any component of a life support device or system whose failure to perform can be reasonably expected to cause the failure of the life support device or system, or to affect its safety or effectiveness.