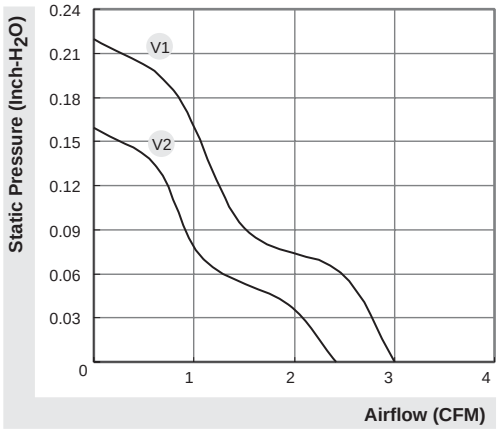
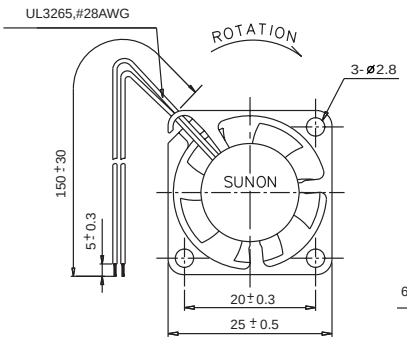
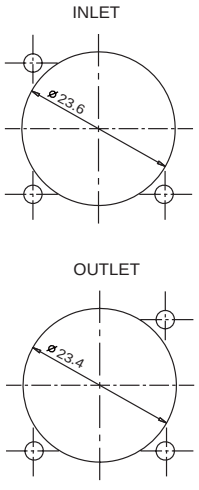
MagLev Green Motor Fan

2.2~3.0 CFM

Model	P/N	Bearing ● VAPO ◐ 2BALL	Rating Voltage (VDC)	Power Current (AMP)	Power Consumption (WATTS)	Speed (RPM)	Air Flow (CFM)	Static Pressure (Inch-H_2O)	Noise (dBA)	Weight (g)
GM0502PEV1-8	N.GN	●	5	0.11	0.6	13000	3.0	0.22	31	5
GM0502PEV2-8	N.GN	●	5	0.08	0.4	10000	2.2	0.16	23	5





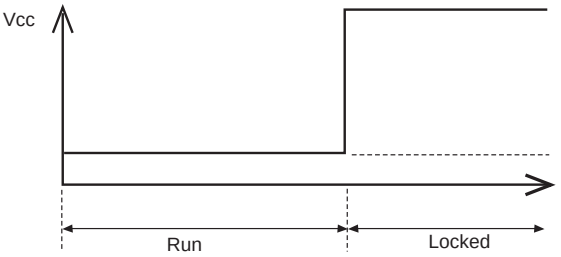


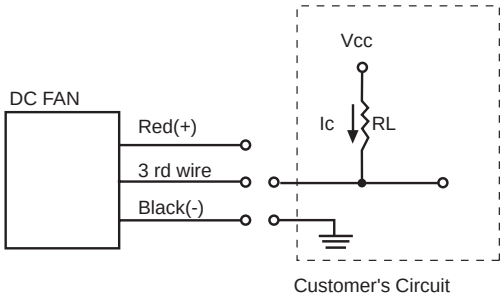
*All model could be customized on voltage or any other requirements to fit your need.
*Specifications subject to change without notice. Please Visit SUNON web site at http://www.sunon.com for update information.

Fan 3rd Wire Signal

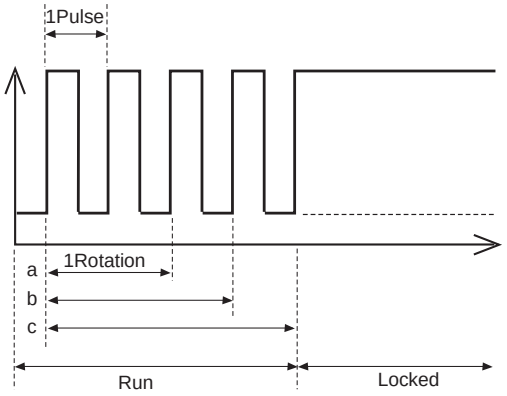
Fan with switching driving circuit designed for rpm measurement:
These fan motors have three lead wires:
+:Red,
-:Black,
output signal for 3rd wire:
F Type : Yellow
R Type : White

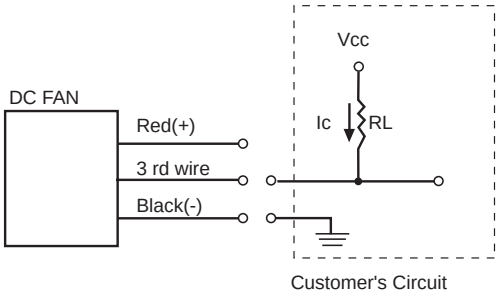
- **R Type** (Rotation Detector)





- **F Type** (Frequency Generator)





The relationship between rotation & output pulses signal from 3rd wire are as follows:
(a) 1 Rotation=2 Pulses(4 poles' motor)
(b) 1 Rotation=3 Pulses(6 poles' motor)
(c) 1 Rotation=4 Pulses(8 poles' motor)

Notice:
For 8 poles' motor: normally,
1Rotation=4 pulses, if frequency divided circuit is implemented in this motor then 1Rotation=2 pulses.

Safety

Certification

DC Fan and Blower Model Numbering System

FAN SERIES
GM Series GB Series
KDE Series PMD Series
PMB Series

VOLTAGE
05:5VDC 12:12VDC
24:24VDC 48:48VDC

FRAME SIZ
17:17mm 38:38mm 06:60mm 97:97mm
01:20mm 04:40mm 07:70mm 12:120mm
02:25mm 45:45mm 75:75mm
03:30mm 05:50mm 08:80mm
35:35mm 55:55mm 09:92mm

FRAME MATERIAL
P:PBT Plastic
A:Aluminum

MOTOR POLES
8: 8 Poles
6: 6 Poles
Blank: 4 Poles

SPEED
X:SUPER 3:LOW
1:HIGH 4:EXTRA LOW
2:MIDDLE

BEARING SYSTEM
V:VAPO
B:BALL

FRAME THICKNESS
E:6mm B:24mm I:35mm
D:8mm T:25mm M:38mm
F:10mm Q:28mm O:40mm
G:12mm N:30mm P:56mm
H:15mm L:32mm
K:20mm Y:33mm

P/N

Example: KDE1208PTV1 P/N:13.MS.A.GN

- 11/13 Motor model
- MS MagLev Design
- (2) Two ball bearing
- G Big hub
- (9) 9 Blades
- N Smaller hub
- A Auto restart
- F 3rd wire with frequency generation waveform
- R 3rd wire with rotation detector waveform
- U Upgrade
- GN RoHS compliance

Sunon Connector recommendation

Connector pitch	Manufacturer	Housing	Terminal
1.25mm	HIROSE	DF13-2S-1.25C	DF13-2630SCF
	MOLEX	51021-0300	50058-8200
1.5mm	JST	ZHR-2	SZH-002T-P0.5 or SZH-003T-P0.5
2.0mm	JST	PHR-2	SPH-002T-P0.5S
2.54mm	ECI	2510-02	2511-P
	Molex	50-57-9405	16-02-0069(70058-0004) or 16-02-0082(70058-0006)
	Molex	2695-02RP	2759T(39-00-0372)
	Molex	2695-03RP	2759T(39-00-0372)
	Molex	6471-021	4809-C-P914
	Molex	6471-031	4809-C-P914
2.50mm	JAM	SC25-02HG	725462-2MA
	JST	SMR-02V-B	SYM-001T-P0.6
	JST	XHP-2	SXH-001T-0.6
	JST	EHR-2(H28J-2)	SEH-001T-P0.6
	JST	SMP-02V-BC	SHF-001T-0.8BS
	JWT	A2502H02-2P	A2502TOP-2
	JWT	A2502H02-3P	A2502TOP-2
	Molex	5051-02	2759T(39-00-0372)
	Molex	5264-02	5263PBT(08-70-1039)