

SUNON®



DC Brushless Fan & Blower

*All products are RoHS compliant.



DR MagLev®



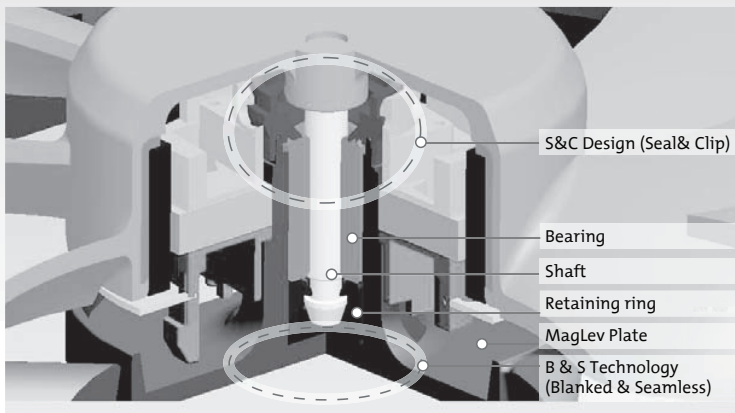
DR MagLev motor fan

[DR MagLev = Dust-Resistance MagLev]

Features

- ◆ Better oil leak prevention
- ◆ Better dust-resistance
- ◆ Higher reliability
- ◆ Longer life expectancy

Design Concepts



The two innovative design concepts of DR MagLev development are B&S (Blanked & Seamless) Technology and S&C (Seal & Clip) Design.

These innovative designs bring three excellent efficiencies to extend fan life:

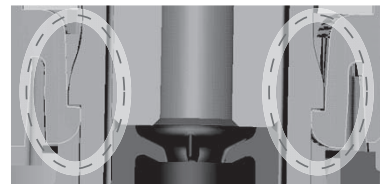
- (1) To avoid dust invasion and extend motor life.
- (2) To prevent oil leakage
- (3) To prevent the motor components from falling off.

Note: DR MagLev Motor can be used with different motors types (radial, axial) and sizes, so the final design may vary from the above, according to the different motor structures.

Characteristic

1 S&C (Seal & Clip) Design

The innovative S&C (Seal & Clip) Design provides the best resistance to dust invasion.



2 Innovative B&S (Blanked & Seamless) Technology

DR MagLev's one-piece structure with the B&S (Blanked & Seamless) Technology and S&C (Seal & Clip) Design provides the best prevention of oil leakage.

3 High Reliability Design

The S&C (Seal & Clip) Design can prevent the stator and impeller from falling off and help reduce noise that is caused by stator and impeller movement after a period of usage. The design greatly improves the life expectancy and the reliability

SUNON® New Model Numbering System

M E 80 25 1 V 1 — 0000 — 999

Function Code

999: standard model
 A99: AutoRestart
 C99: F type (3rd wire)
 D99: with PWM
 F99: AutoRestart and R type(3rd wire)
 G99: AutoRestart and F type(3rd wire)
 H99: AutoRestart and with PWM
 Q99: AutoRestart , R type and with PWM
 S99: AutoRestart , F type and with PWM

Customer Code

0000 stand for standard model

Speed

X: Super High 3: Low
 1: High 4: Super Low
 2: Medium

Bearing

V: Vapo S: Sleeve
 B: 2 Ball

Voltage

0: 5VDC 3: 36VDC
 1: 12VDC 4: 48VDC
 2: 24VDC

Fan Thickness

0~9; A~Z (except O)

Frame Size

0~9; A~Z (except O)

Motor Type

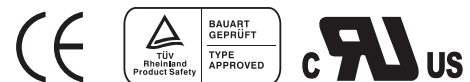
Series Code
 E Series P Series
 M Series

Code	Size(mm)	Code	Size(mm)	Code	Size(mm)	Code	Size(mm)
01~09	01~09	A0~A9	100~109	K0~K9	200~209	V0~V9	300~309
10~19	10~19	B0~B9	110~119	L0~L9	210~219	W0~W9	310~319
20~29	20~29	C0~C9	120~129	M0~M9	220~229	X0~X9	320~329
30~39	30~39	D0~D9	130~139	N0~N9	230~239	Y0~Y9	330~339
40~49	40~49	E0~E9	140~149	P0~P9	240~249	Z0~Z9	340~349
50~59	50~59	F0~F9	150~159	Q0~Q9	250~259		
60~69	60~69	G0~G9	160~169	R0~R9	260~269		
70~79	70~79	H0~H9	170~179	S0~S9	270~279		
80~89	80~89	I0~I9	180~189	T0~T9	280~289		
90~99	90~99	J0~J0	190~199	U0~U9	290~299		

Certification



Safety



* Note: For critical or extreme environments, including non stop operation, please contact Sunon and we will gladly provide assistance with your product selection to ensure an appropriate cooling product for your application.

* Note: The "Life Expectancy" of the fan has not been evaluated for use in combination with any end application. Therefore, the Life Expectancy Test Reports(L10 and MTTF Report) that relate to the fan are only for reference.



■ 40x40x20

Model	Bearing	Rating	Power	Power	Speed	Air	Static	Noise	Weight
	● VAPO	Voltage (VDC)	Current (mA)	Consumption (WATTS)	(RPM)	Flow (CFM)	Pressure (Inch-H2O)	(dBA)	(g)
	●	5	190	0.95	7200	8.9	0.21	25.5	30.0
	●	5	123	0.32	6200	7.7	0.16	21.0	30.0
	●	5	81	0.41	5200	6.3	0.11	18.0	30.0
	●	12	115	1.38	8200	10.8	0.27	27.5	31.0
	●	12	70	0.84	7200	8.9	0.21	25.5	31.0
	●	12	50	0.60	6200	7.7	0.16	21.0	31.0
	●	12	40	0.48	5200	6.3	0.11	18.0	31.0
	●	24	64	1.54	8200	10.8	0.27	27.5	31.0
	●	24	50	1.20	7200	8.9	0.21	25.5	31.0
	●	24	33	0.80	6200	7.7	0.16	21.0	31.0

Model	Bearing	Rating	Power	Power	Speed	Air	Static	Noise	Weight
	○ SLEEVE	(VDC)	(mA)	(WATTS)	(RPM)	(CFM)	(Inch-H2O)	(dBA)	(g)
	○	5	218	1.09	7200	8.9	0.21	25.5	30.0
	○	5	140	0.70	6200	7.7	0.16	21.0	30.0
	○	5	100	0.50	5200	6.3	0.11	18.0	30.0
	○	12	120	1.44	8200	10.8	0.27	27.5	31.0
	○	12	90	1.08	7200	8.9	0.21	25.5	31.0
	○	12	63	0.76	6200	7.7	0.16	21.0	31.0
	○	12	45	0.54	5200	6.3	0.11	18.0	31.0
	○	24	54	1.30	7200	8.9	0.21	25.5	31.0
	○	24	33	0.80	6200	7.7	0.16	21.0	31.0

■ 50x50x15

Model	Bearing	(VDC)	(mA)	(WATTS)	(RPM)	(CFM)	(Inch-H2O)	(dBA)	(g)
	● VAPO								
	●	12	145	1.74	7000	18.6	0.26	40.1	27.6
	●	12	125	1.50	6100	16.1	0.20	36.0	27.6
	●	12	65	0.78	4900	12.9	0.14	30.1	27.6
	●	24	95	2.28	7000	18.6	0.26	40.1	27.6
	●	24	80	1.92	6100	16.1	0.20	36.0	27.6

■ 60x60x15

Model	Bearing	(VDC)	(mA)	(WATTS)	(RPM)	(CFM)	(Inch-H2O)	(dBA)	(g)
	● VAPO								
	●	12	160	1.92	5400	25.2	0.15	36.2	30.5
	●	12	140	1.68	4700	21.9	0.12	32.5	30.5
	●	12	75	0.90	3900	18.1	0.08	28.2	30.5
	●	24	100	2.40	5400	25.2	0.15	36.2	30.5
	●	24	85	2.04	4700	21.9	0.12	32.5	30.5

* If you need special specification. Please contact Sunon sales.

* Specifications are subject to change without notice. Specifications in this catalog are for reference. More Sunon products information please visit SUNON web site at <http://www.sunon.com>.



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