


SUNON

SPECIFICATION FOR APPROVAL

CUSTOMER :

MOTOR TYPE : 

DESCRIPTION : MagLev Motor Fan

DIMENSIONS : 120X120X38 mm



MODEL : MEC0381V1-0000-A99

SUNON SPEC. NO. : D12012400G-00

CUSTOMER APPROVAL NO. :

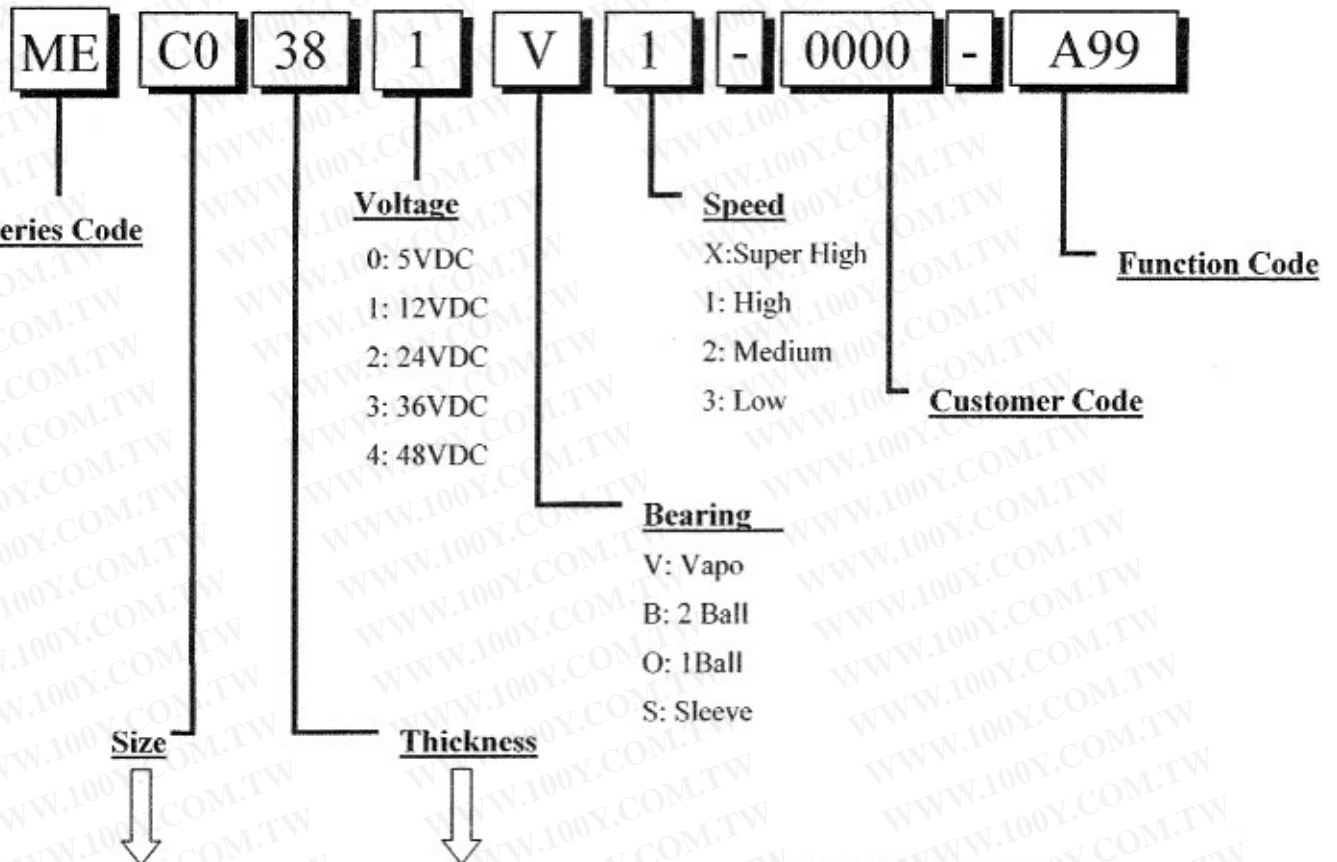
APPROVED BY CUSTOMER :

(AUTHORIZED)

DRAWN	Apple 9/8	CHECKED		APPROVED		SPEC.NO	D12012400G-00
						ISSUE DATE	12.20.2007
						EDITION	1
						REVISION DATE	09.08.2008
						E.SPEC	E10700041

勝特力材料 886-3-5753170
勝特力电子(上海) 86-21-34970699
勝特力电子(深圳) 86-755-83298787
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I. MODEL NUMBERING SYSTEM



編碼	尺寸(mm)	編碼	尺寸(mm)	編碼	尺寸(mm)	編碼	尺寸(mm)
01~09	1~9	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	250~259	Z0~Z9	340~349
50~59	50~59	F0~F9	150~159	Q0~Q9	260~269		
60~69	60~69	G0~G9	160~169	R0~R9	270~279		
70~79	70~79	H0~H9	170~179	S0~S9	280~289		
80~89	80~89	I0~I9	180~189	T0~T9	290~299		
90~99	90~99	J0~J9	190~199	U0~U9	290~299		

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II. SPECIFICATION

1. MECHANICAL CHARACTERISTIC

MOTOR DESIGN	2 phases, 4-poles Brushless DC motor
BEARING SYSTEM	Vapo bearing system
DIMENSIONS	See Page 6
MATERIALS OF FRAME	Thermoplastic PBT of UL 94V-0
MATERIALS OF FAN BLADE	Thermoplastic PBT of UL 94V-0
DIRECTION OF ROTATION	Counter-clockwise viewed from front of fan blade
MOUNTING HOLES	Diameter 4.3 mm in 8 holes
WEIGHT	218 g

2. ELECTRIC CHARACTERISTIC

RATED VOLTAGE	12 VDC
RATED CURRENT	833 mA
RATED POWER CONSUMPTION	10 WATTS
OPERATING VOLTAGE RANGE	6~13.8 VDC
STARTING VOLTAGE	6 VDC (25 deg. C POWER ON/OFF)
OPERATING TEMPERATURE RANGE	-10 to + 70 deg. C
STORAGE TEMPERATURE RANGE	-40 to + 70 deg. C

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3. PERFORMANCE CHARACTERISTIC

RATED SPEED	3100 RPM ± 10% at rated voltage
AIR FLOW	138 CFM
STATIC PRESSURE	0.36 Inch-H₂O
ACOUSTIC NOISE	48 dB(A)
AIR FLOW V.S. PRESSURE	See Page 5
INSULATION CLASS	UL Class A
INSULATION RESISTANCE PLASTIC HOUSING	10M ohm at 500 VDC between internal stator and lead wire (+)
DIELECTRIC STRENGTH	Applied AC 500 V for one minute or AC 600 V for 2 Seconds between housing and lead wire (+)
LIFE EXPECTANCY	60,000 hours at 40 deg. c , 65% humidity , 90%CL
PROTECTION	<input checked="" type="checkbox"/> Automatic Restart Note: In a situation where the fan is locked by an external force while the electricity is on, an increase in coil temperature will be prevented by temporarily turning off the electrical power to the motor. The fan will automatically restart when the locked rotor condition is released.
	<input checked="" type="checkbox"/> Polarity Protection

4. SAFETY

SAFETY	UL	CUR	TUV
NO.	✓	✓	✓

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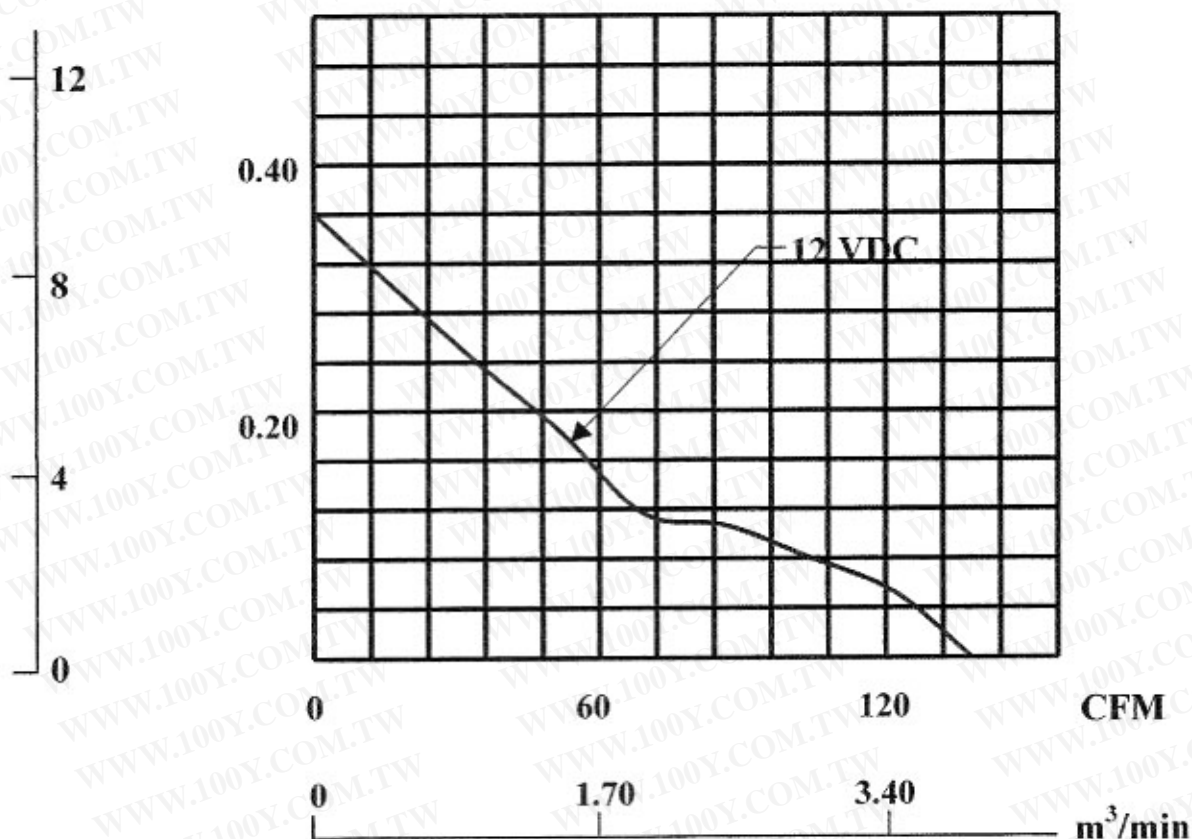
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PERFORMANCE CURVES

**STATIC
PRESSURE**

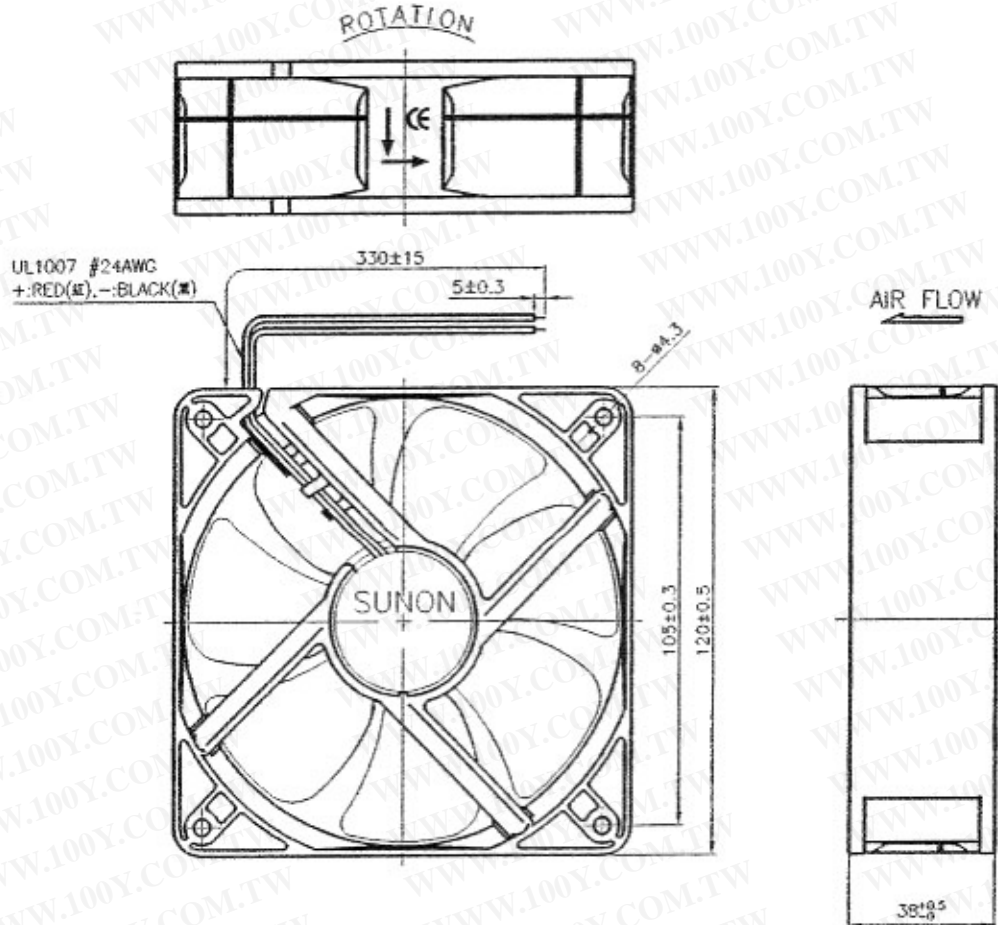
mm-H₂O

Inch-H₂O



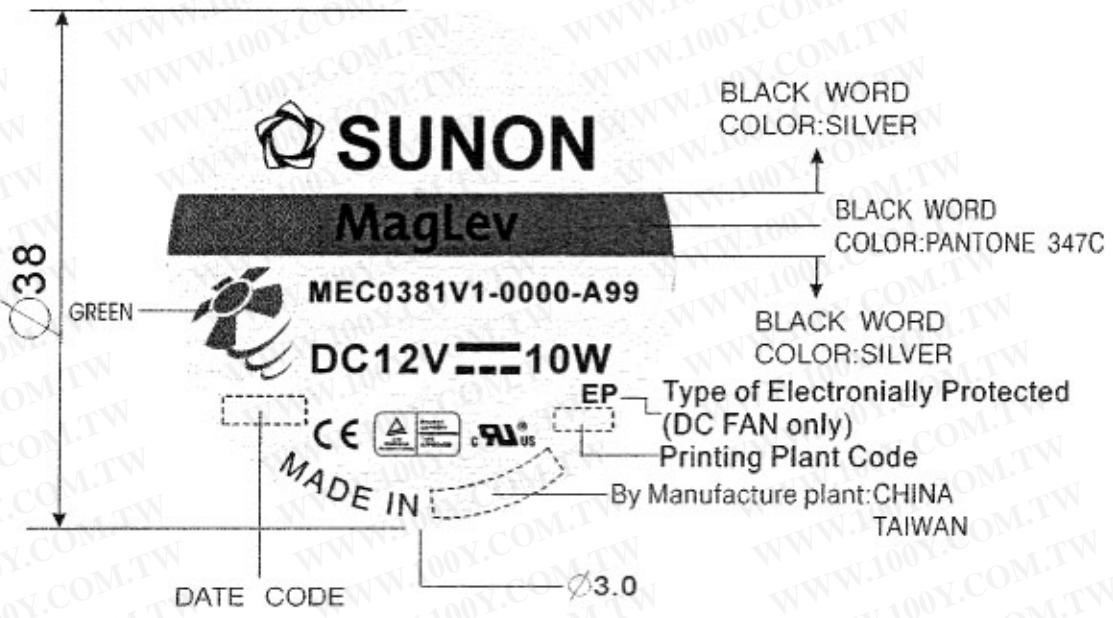
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DIMENSIONS



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LABEL



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