DC Fan

Instruction on the new code arrangement

DC Fan New Code Arrangement

M	E	80	25	1	V	1	-	1	0000	-	999

Series Code
E : E series
M: MagLev series
P : Power series
S : Surpass series
V: Higher PQ Series
G: High IP series

Circuit/Motor type

Code	Motor			Circuit		
	Axial	Radial	Axial cove	Two phase	Single phase	Three phase
B	V			V		
C	V				V	
D	V					V
E		V		V		
F		V			V	
G		V				V
H			V	V		
I			V		V	
J			V			V

Size
0~9; A~Z (with exception to letter "O")

Thickness
0~9; A~Z (with exception to letter "O")

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	I0~I9	190~199	U0~U9	290~299		

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

Bearing
V: Vapo
B: 2 Ball
O: 1Ball
S: Sleeve

Speed
X: Super high
1~9: high to low

Generation Code: 1~9

Function Code
First digit: Output control; A~Z; 1~9
Second digit:Ingress Protection; A~Z; 1~9
Third digit: Others; A~Z; 1~9
***if nothing special features, then code is 999**

Customer(SSR/territory)
- First digit: product differentiation
  - B: Blower/Cap Fan UL model
  - C: Blower/Cap Fan non-UL model
  - D: Fan UL model
  - Q: Fan non-UL model
  - L→ Blower/Cap Fan for LED product
  - E→ Fan for LED product
- Second and third digit: 00~99 serial code
- Fourth digit: territory
  - 0 --> non-territory/industry
  - C-- > China
  - U-- > Europe, US, Japan
  - A-- > Auto
  - 1~9-> NB serial code

★Standard type:
- **0000 : standard +no territory**
- **000C: standard +China**
- **000U: standard + Eur/US/JP**

Details see attachment 1

***Blower size code is primarily based on motor size, not entirely based on appearance**

Attachment 2 Function/Category breakdown

XXXXXXXXX	-	1	0000	-	999

Function Code (function/category)
First digit: Output control; A~Z; 1~9
Second digit:Ingress Protection; A~Z; 1~9
Third digit: Others: A~Z; 1~9

First digit: Output Control						Second digit: IP		Third digit: Others					
First code	AutoRestart	RD 3rd wire	FG 3rd wire	PWM	Temp Control	Second Code	Type	Third Code	HF	Dust repel	Special Warranty	low vibrate	Reserve
9						9	none	9					
A	V					A	IP21	A	V				
B		V				B	IP55	B		V			
C			V			C	IP56	C	V	V			
D				V		D	GR487	D			V		
E					V	E	IP68	E	V		V		
F	V	V				F	IP65	F		V	V		
G	V		V			G	Reserved	G	V	V	V		
H	V			V		H	Reserved	H				V	
I	V				V	I	Reserved	I	V			V	
J		V	V			J	Reserved	J		V		V	
K		V		V		K	Reserved	K			V	V	
L		V			V	L	Reserved	L	V	V		V	
M			V	V		M	Reserved	M	V		V	V	
N			V		V	N	Reserved	N		V	V	V	
O				V	V	O	Reserved	O	V	V	V	V	
P	V	V	V			P	Reserved	P	Reserved				
Q	V	V		V		Q	Reserved	Q	Reserved				
R	V	V			V	R	Reserved	R	Reserved				
S	V		V	V		S	Reserved	S	Reserved				
T	V		V		V	T	Reserved	T	Reserved				
U	V			V	V	U	Reserved	U	Reserved				
V		V	V	V		V	Reserved	V	Reserved				
W		V	V		V	W	Reserved	W	Reserved				
X		V		V	V	X	Reserved	X	Reserved				
Y			V	V	V	Y	Reserved	Y	Reserved				
Z	V	V	V	V		Z	Reserved	Z	Reserved				
1	V	V	V		V	1	Reserved	1	Reserved				
2	V	V		V	V	2	Reserved	2	Reserved				
3	V		V	V	V	3	Reserved	3	Reserved				
4		V	V	V	V	4	Reserved	4	Reserved				
5	V	V	V	V	V	5	Reserved	5	Reserved				

Thermal Module product (non-LED) code arrangement

T	C	1	01	-	06	001	Y

Product type
T: Module + Fan
S: Module (without fan)

Heat sink material
C : Copper
A: Aluminum
M: Copper and Aluminum
N: no designated material
N: Compound material

heatpipe counts

Code	Count	Code	Count	Code	Count	Code	Count
0	none	A	10	K	36~40	V	86~90
1	1	B	11	L	41~45	W	91~95
2	2	C	12	M	46~50	X	96~100
3	3	D	13	N	51~55	Y	101~105
4	4	E	14	P	56~60	Z	≧106
5	5	F	15	Q	61~65		
6	6	G	16~20	R	66~70		
7	7	H	21~25	S	71~75		
8	8	I	26~30	T	76~80		
9	9	J	31~35	U	81~85		

Heat Dissipation Parameter

Code	Parameter	Code	Parameter	Code	Parameter	Code	Parameter	Code	Parameter	Code	Parameter
00	0~10W	10	101~110W	20	201~250W	30	701~750W	40	1201~1250W	50	1701~1750W
01	11~20W	11	111~120W	21	251~300W	31	751~800W	41	1251~1300W	51	1751~1800W
02	21~30W	12	121~130W	22	301~350W	32	801~850W	42	1301~1350W	52	1801~1850W
03	31~40W	13	131~140W	23	351~400W	33	851~900W	43	1351~1400W	53	1851~1900W
04	41~50W	14	141~150W	24	401~450W	34	901~950W	44	1401~1450W	54	1901~1950W
05	51~60W	15	151~160W	25	451~500W	35	951~1000W	45	1451~1500W	55	1951~2000W
06	61~70W	16	161~170W	26	501~550W	36	1001~1050W	46	1501~1550W	56	2001~2050W
07	71~80W	17	171~180W	27	551~600W	37	1051~1100W	47	1551~1600W	57	2051~2100W
08	81~90W	18	181~190W	28	601~650W	38	1101~1150W	48	1601~1650W	58	2101~2150W
09	91~100W	19	191~200W	29	651~700W	39	1151~1200W	49	1651~1700W	59	2151~2200W

Production process
Y:Welded
N:Not welded

serial code

Year code
06: Year of 2006

LED Thermal Module product code arrangement

L	A	1	01	-	001	A52	L	Y

Standard Code

Y→ Standard LED product
N→ Non-standard LED product

Territory Code

L→ Non-territorial LED product
E→ China for LED product
D→ Eur/US/JP LED product

Product type

L: LED module +fan
R: LED module (no fan)

Heat sink material

C : Copper
A: Aluminum
M: Copper + Aluminum

Heatpipe counts

0: no heatpipe
1: 1 heatpipe
2: 2 heatpipes
3: 3 heatpipes

Heat Dissipation Parameter

00: 0~10W	07: 71~ 80W	14: 141~150W
01: 11~20W	08: 81~ 90W	15: 151~160W
02: 21~30W	09: 91~ 100W	16: 161~170W
03: 31~40W	10:101~110W	17: 171~180W
04: 41~50W	11:111~120W	18: 181~190W
05: 51~60W	12:121~130W	19: 191~200W
06: 61~70W	13:130~140W	

SSR Code

Appearance distinction

- First digit: heat sink color
  - A: Processed, no dye
  - B: Processed, black dye
  - C: Processed, non-black dye
- Second digit: Heat sink diameter or length
  - code 0~9; A~Z (no letter "O")
- Third digit: Heat sink height
  - code 0~9; A~Z (no letter "O")

Code	Size(mm)	Code	Size(mm)	Code	Size(mm)	Code	Size(mm)
0	01~09	A	100~109	K	200~209	V	300~309
1	10~19	B	110~119	L	210~219	W	310~319
2	20~29	C	120~129	M	220~229	X	320~329
3	30~39	D	130~139	N	230~239	Y	330~339
4	40~49	E	140~149	P	240~249	Z	≥340
5	50~59	F	150~159	Q	250~259		
6	60~69	G	160~169	R	260~269		
7	70~79	H	170~179	S	270~279		
8	80~89	I	180~189	T	280~289		
9	90~99	J	190~199	U	290~299		

Mighty-Mini Fan mm series code arrangement

UF	3	8	3	-	1	00

Series

UF: Mighty Mini Fan
UB: Mighty Mini Blower
UN: Mighty Mini Fan with Module
UR: Mighty Mini Blower with Module

Voltage

3: 3VDC
5: 5VDC

Size

3: 3mm C: 12mm V: 35mm
5: 5mm F: 15mm W: 40mm
8: 8mm H: 17mm Y: 50mm
9: 9mm U: 30mm Z: 55mm
A:10mm

Thickness

1: 1mm A: 1.5mm
2: 2mm B: 2.5mm
3: 3mm
4: 4mm

Note: standard type thickness tolerance designed to target every+0.05/-0.1mm(with exception to 3mm).

PIN Type

1: FPC lead type+FG 3rd wire output
2: FPC lead type+RD 3rd wire output
3. FPC connecting finger+FG 3rd wire output
4. FPC connecting finger+RD 3rd wire output
5. Lead wire +FG 3rd wire output
6. Lead wire+FG+PWM 4th wire output
7.Lead wire+second wire output

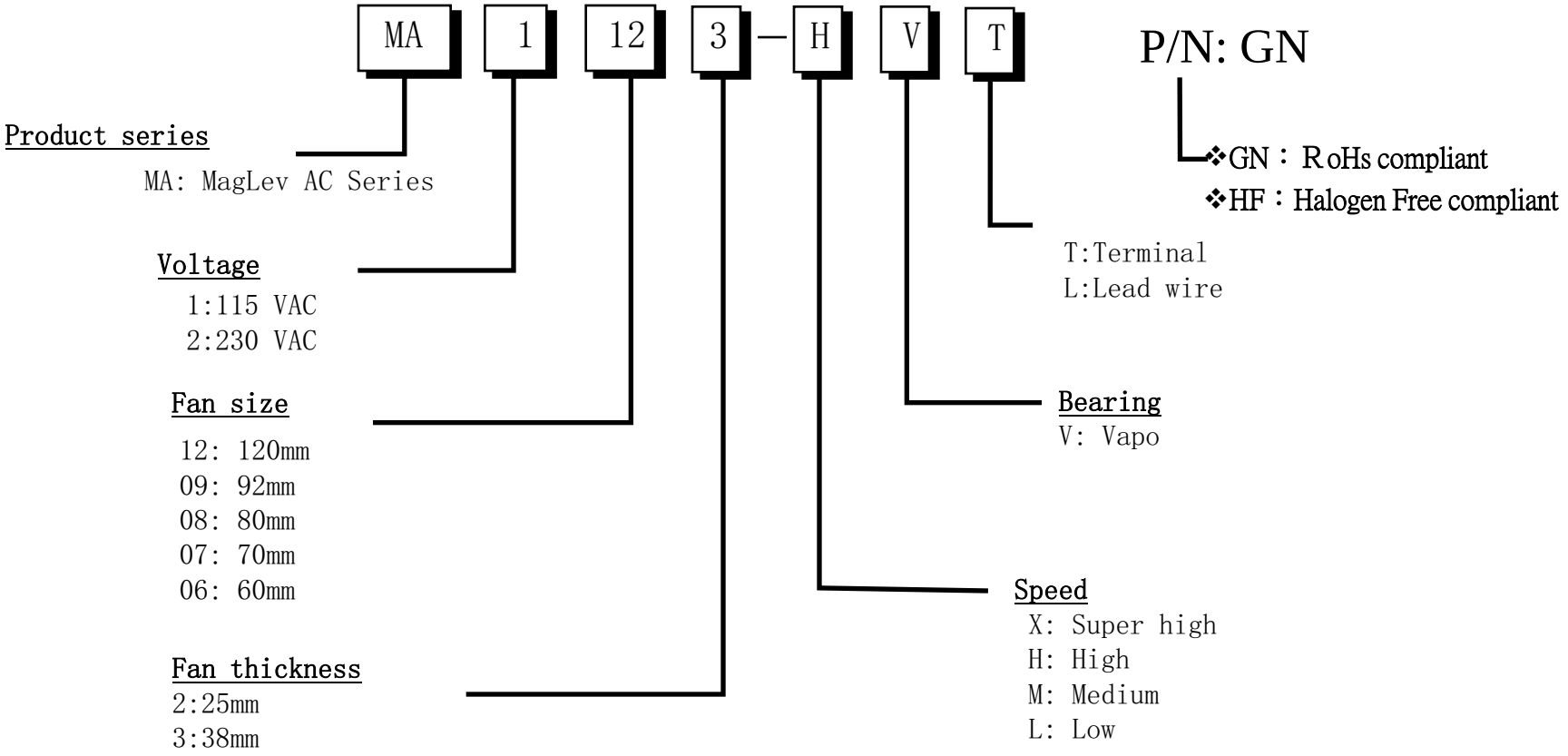
Serial number

0~9, A~Z
00: standard
Non 00: SSR

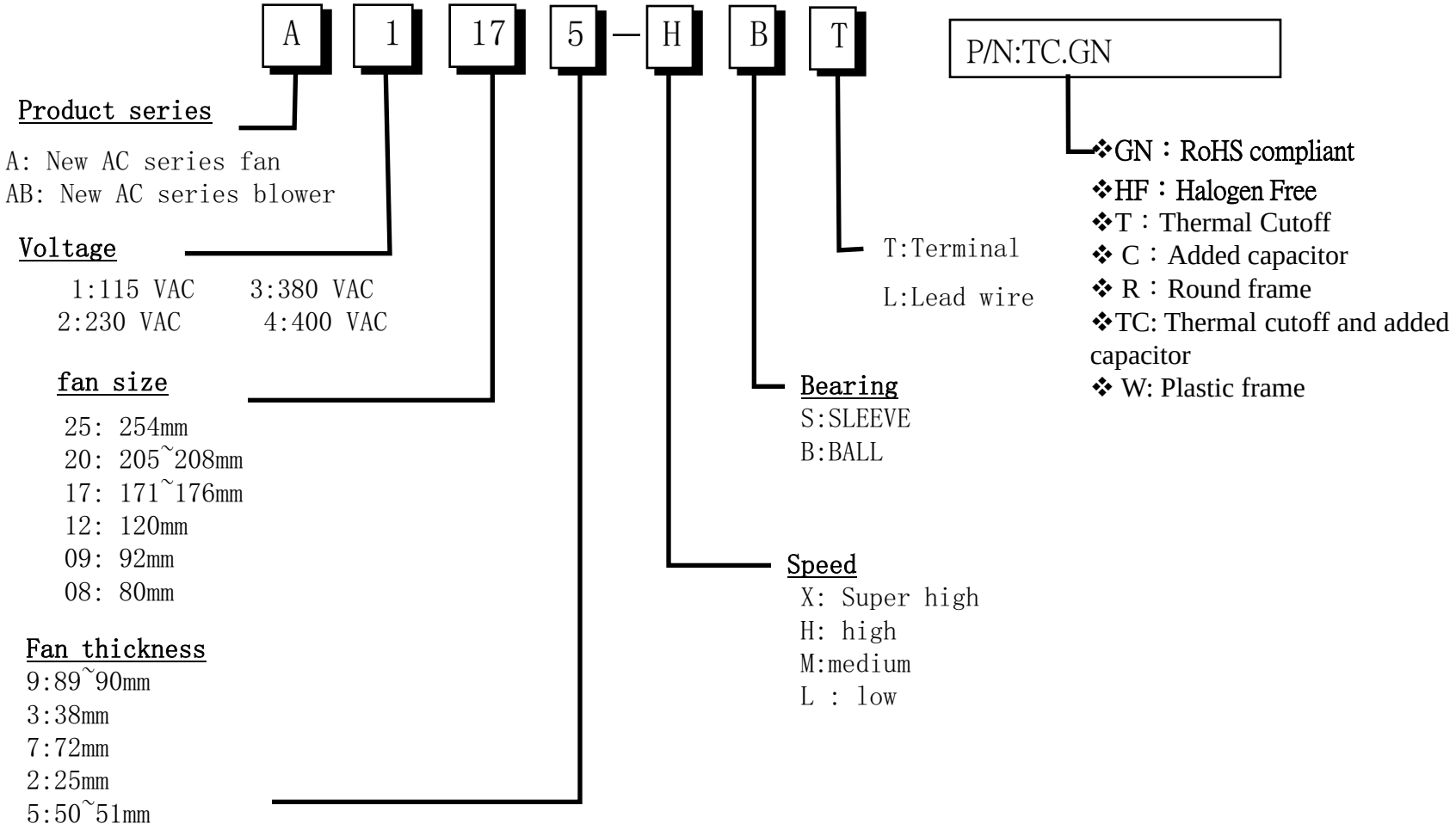
Code	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z
Size (mm)	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	35	40	45	50	55

核准參閱簽呈編號: S10090021 & S13050018

MagLev AC Fan code arrangement



AC new model code arrangement



AC old model code arrangement

P/N

SF11580AT — 1 12 3 H B T . GN

Product series

SF11580AT: 8025/115V
SF23080AT: 8025/220-240V
SF11580A : 8038/115V
SF23080A : 8038/220-240V
SF11592A : 9225/115V
SF23092A : 9225/220-240V
SP101AT : 12025/115V/high
SP103AT : 12025/115V/low
DP201AT : 12025/220V/high
DP203AT : 12025/220V/low
SP100A : 12038/115V/S-high
SP101A : 12038/115V/high
SP102A : 12038/115V/medium
SP103A : 12038/115V/low
DP200A : 12038/220V/S-high
DP201A : 12038/220V/high
DP202A : 12038/220V/medium
DP203A : 12038/220V/low
SP109WR : 12038/115/plastic
DP209WR : 12038/220V/plastic
SF309WR : 12038/Dual-AC/plastic
SF1212AD : 12038/Dual-AC
SP100-4F : 12038/115V/fantray
DP201-4F : 12038/220V/fantray

Voltage
1:115 VAC
2:220/230/240 VAC

Size
12: 120mm
09: 92mm
08: 80mm

Thickness
2: 25mm
3: 38mm

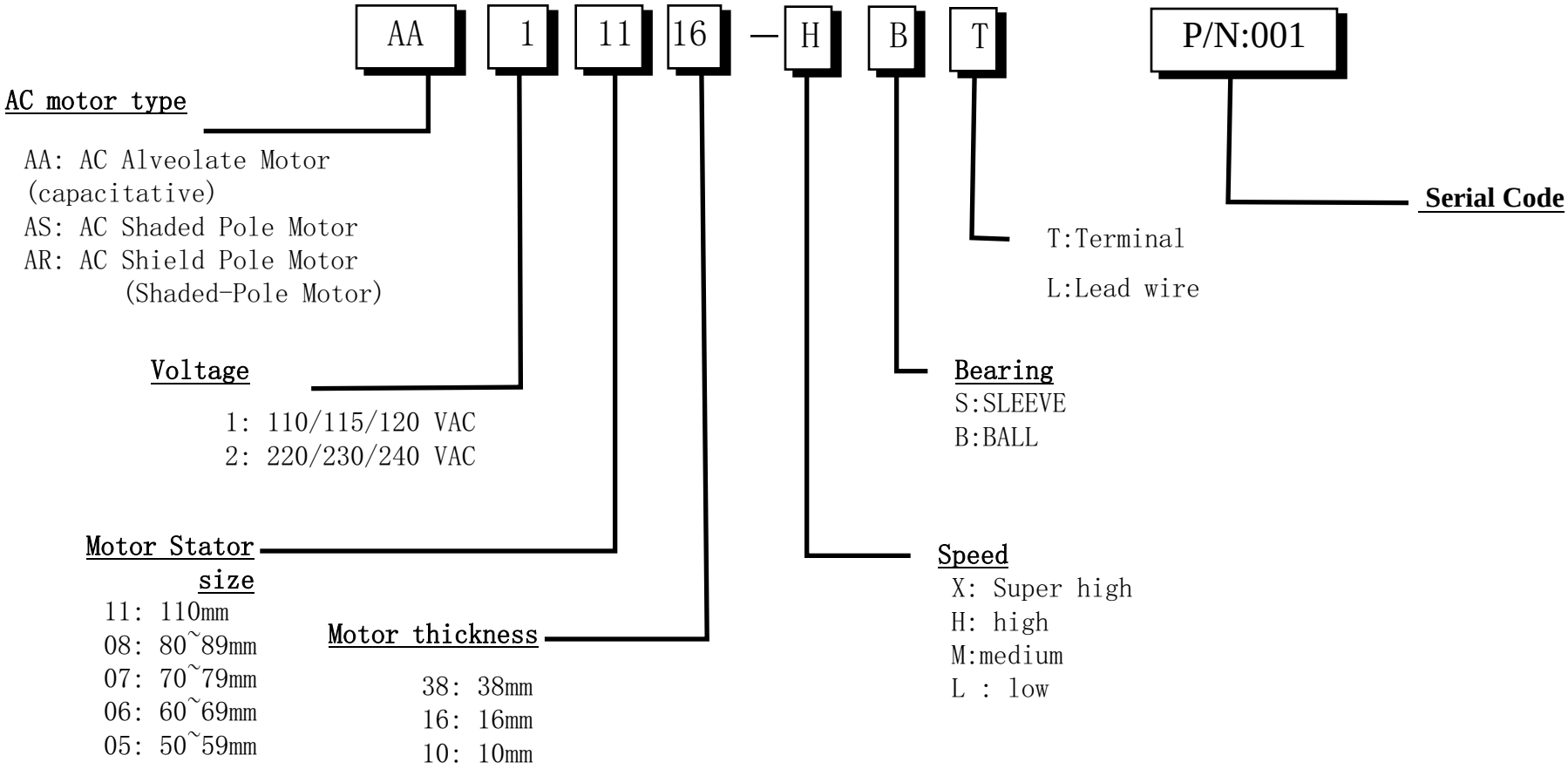
Speed
X: Super high
H: high
M:medium
L : low

Bearing
S:SLEEVE
B:BALL

T:Terminal
L:Lead wire

GN: RoHS compliant
HF: Halogen Free

AC Motor series code arrangement



EET AC product code arrangement
EET (Energy Efficient Technology)

CF | 1 | 17 | 5 | H | B | T | - | 0000 | - | 999

Series Code

CF : EC Fan
CB : EC Blower
CM : EC motor

Voltage

1: 100-115 VAC
2: 220-240 VAC
3: 380 VAC
4: 110/220 VAC 泛用型

Impeller Dimension
Hub Dimension

Code	Size(mm)	Code	Size(mm)	Code	Size(mm)
08	80~89	16	160~169	24	240~249
09	90~99	17	170~179	25	250~259
10	100~109	18	180~189	26	260~269
11	110~119	19	190~199	27	270~279
12	120~129	20	200~209	28	280~289
13	130~139	21	210~219	29	290~299
14	140~149	22	220~229	30	300~309
15	150~159	23	230~239	31	310~319

Thickness

1: 01~19
2: 20~29
3: 30~39
4: 40~49
5: 50~59
6: 60~69
7: 70~79
8: 80~89
9: 90~99

Speed

X: Super-high
H: high
M: medium
L : low

Bearing

S: SLEEVE
B: BALL
V: VAPO

T: Terminal
L: Lead wire

Customer Code(SSR/territory)

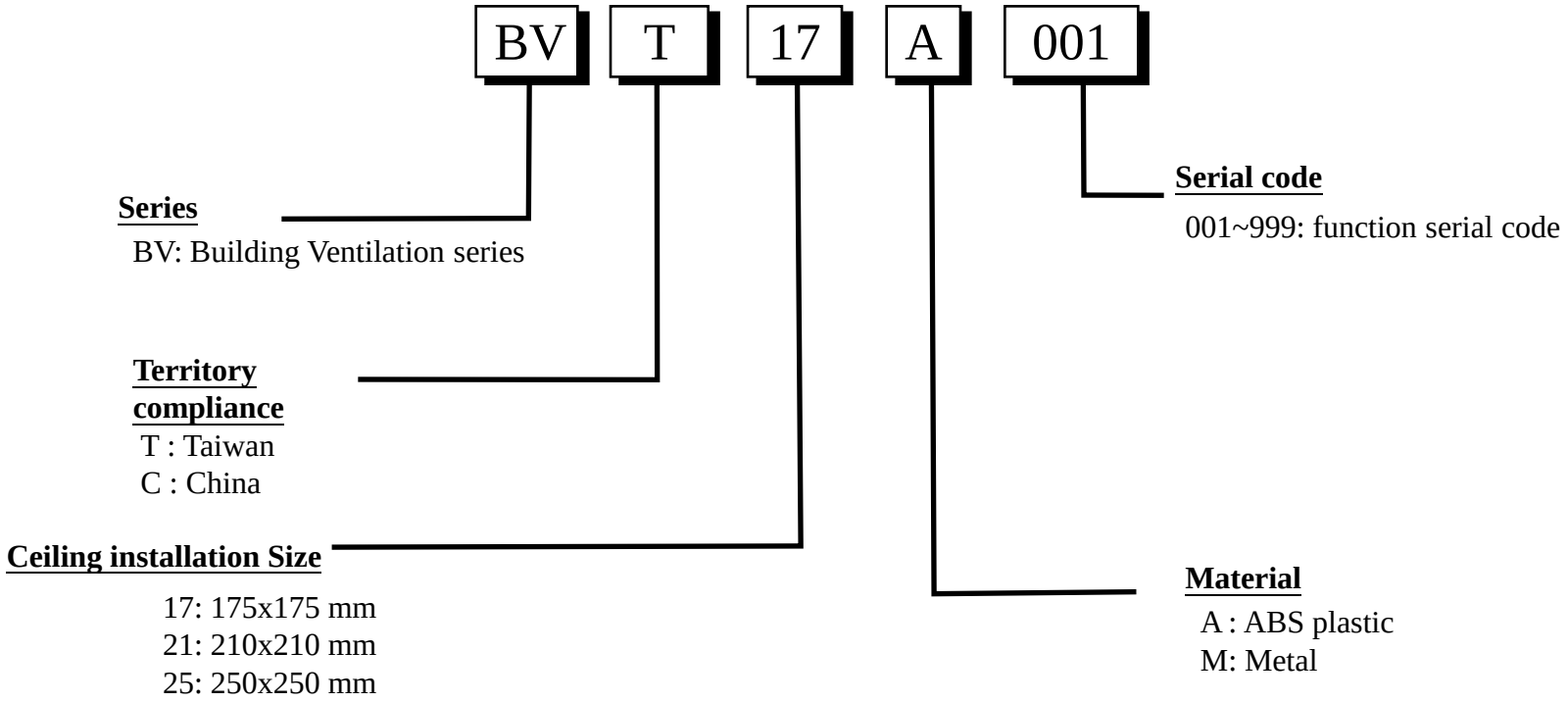
- First digit: product distinction
  - D: UL applicable model
  - Q: UL non-applicable model
- Second and third digit 00~99 serial number
- Fourth digit: territory code

0 --> non-territory/industry C-- > China
U-- > Europe, US, Japan A-- > Auto

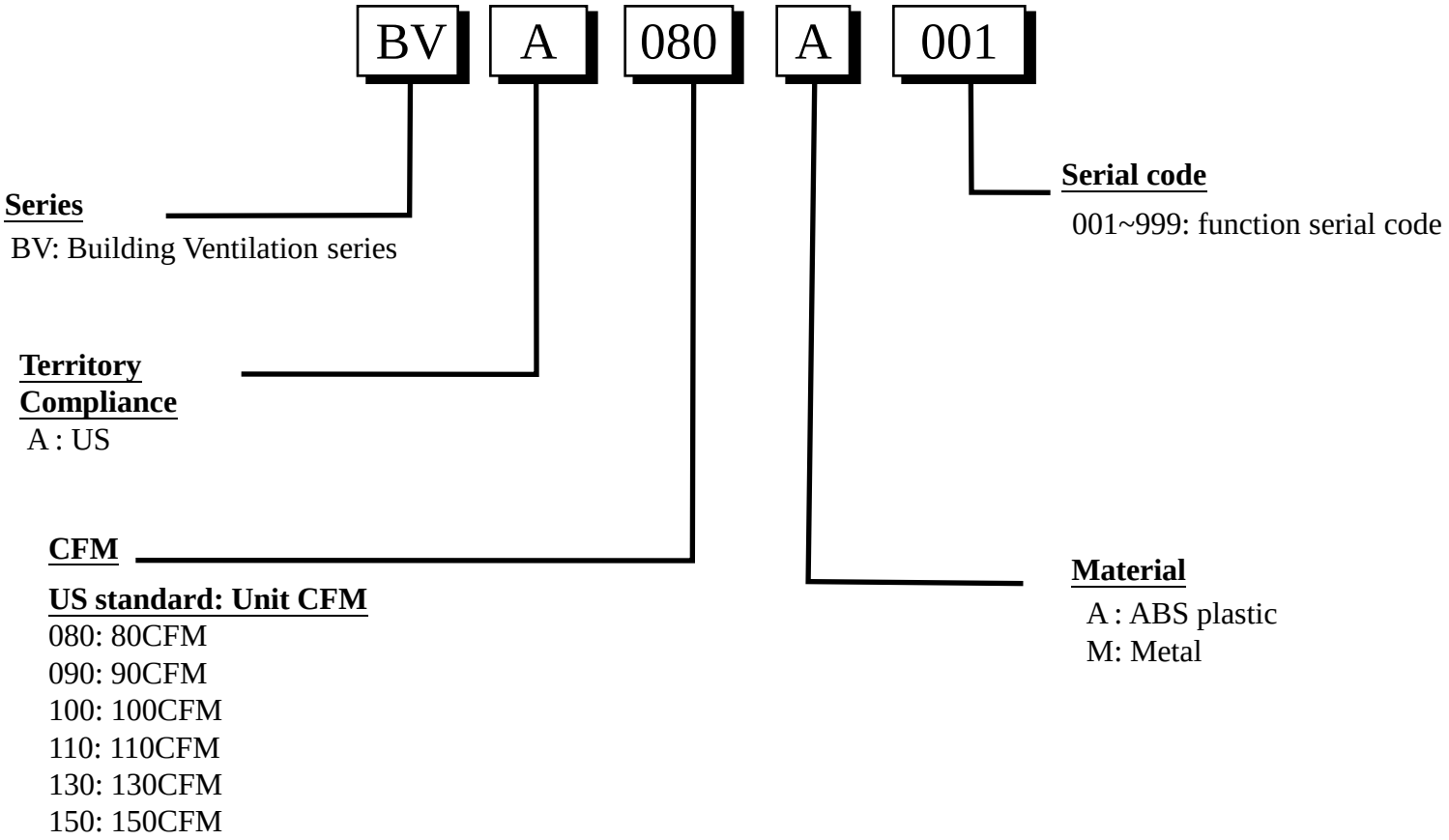
Function Code

For details see attachment 2 from the DC code arrangement

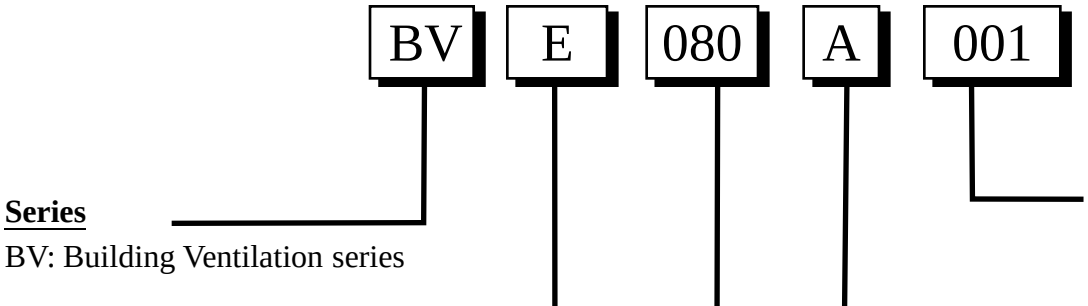
Taiwan, China ventilation product code arrangement



US Ventilation Product code arrangement



European Ventilation Product Code arrangement



Series

BV: Building Ventilation series

Territory Compliance

E : Europe

CMH

European Standard: unit m^3/h(CMH)

080: $80m^3/h$
090: $90m^3/h$
100: $100m^3/h$
110: $110m^3/h$
120: $120m^3/h$
130: $130m^3/h$

Material

A : ABS plastic
M: Metal

Serial Code

001~999: function serial code