

Customer No.:

AVC Model: DS12025B12UP077

Rev.B.0

SPECIFICATION FOR APPROVAL

1. SCOPE:

THIS SPECIFICATION DEFINES THE ELECTRICAL AND MECHANICAL CHARACTERISTICS OF THE DC BRUSHLESS AXIAL FLOW FAN.

2. CHARACTERS:

	ITEM	SPEC.	
2-1.	RATED VOLTAGE	12	VDC
2-2.	OPERATION VOLTAGE	7.0 ~ 13.2	VDC
2-3.	RATED CURRENT (IN FREE AIR)	0.45 (1.05 MAX.)	A (AVERAGE)
2-4.	RATED POWER (IN FREE AIR)	5.40 (12.6 MAX.)	W
2-5.	SPEED (IN FREE AIR) (TEMPERATURE:25°C)	3500±10%	R.P.M
2-6.	SPEED CONTROL TYPE	PWM CONTROL	
2-7.	SIGNAL OUTPUT	FREQUENCY GENERATOR (FG)	
2-8.	MAX. AIR FLOW (AT ZERO STATIC PRESSURE)	3.002	M ³ /MIN
		106.03	CFM
2-9.	MAX. AIR PRESSURE (AT ZERO FLOW)	10.05	mm-H ₂ O
		0.396	inch-H ₂ O
2-10.	ACOUSTICAL NOISE	47.3 (50.3 MAX.)	dB-A

微信扫码
咨询工程师



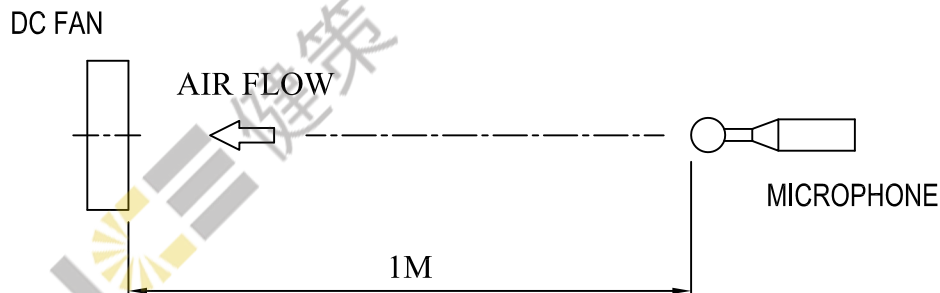
Customer No.:

AVC Model: DS12025B12UP077

- 2-11. INSULATION RESISTANCE — 10 MEGA OHM MIN. AT 500 VDC
(BETWEEN FRAME AND (+) TERMINAL)
- 2-12. DIELECTRIC STRENGTH — 5 mA MAX. AT 500 VAC 60Hz ONE MINUTE,
(BETWEEN FRAME AND (+) TERMINAL)
- 2-13. LIFE EXPECTANCE — 70,000 HOURS AT 40°C ROOM, AMBIENT 15%~65%RH
- 2-14. ROTATION — COUNTER-CLOCKWISE VIEWED FROM INLET
- 2-15. AIR FLOW DIRECTION — AIR EXHAUST OVER STRUT
- 2-16. INSULATION CLASS — UL: CLASS A
- 2-17. LEAD WIRE — UL: 1007 AWG 26 , - : BLACK
+ : RED
FG : YELLOW
PWM : BLUE

NOTE:

- A. THE VALUES WRITTEN IN PARENTHESIS "(")" ARE LIMITED SPEC.
- B. ACOUSTICAL NOISE MEASURING CONDITION:



NOISE IS MEASURED AT RATED VOLTAGE IN FREE AIR IN ACOUSTICAL CHAMBER WITH LARSON DAVIS TYPE 824S SOUND LEVEL METER.

- C. THE AIR FLOW AND AIR PRESSURE MEASURED AT RATED VOLTAGE IN DOUBLE CHAMBER IS MEASURED ACCORDING TO AMCA STANDARD 210-85.

Customer No.:	
AVC Model:	DS12025B12UP077

3. MECHANICAL

- 3-1. DIMENSION _____ SEE DIMENSION DRAWING
- 3-2. FRAME _____ THERMOPLASTIC PBT OF UL 94V-0
- 3-3. FAN BLADE _____ THERMOPLASTIC PBT OF UL 94V-0
- 3-4. BEARING SYSTEM _____ TWO BALL BEARING
- 3-5. WEIGHT _____ 175 g

4. ENVIRONMENTAL

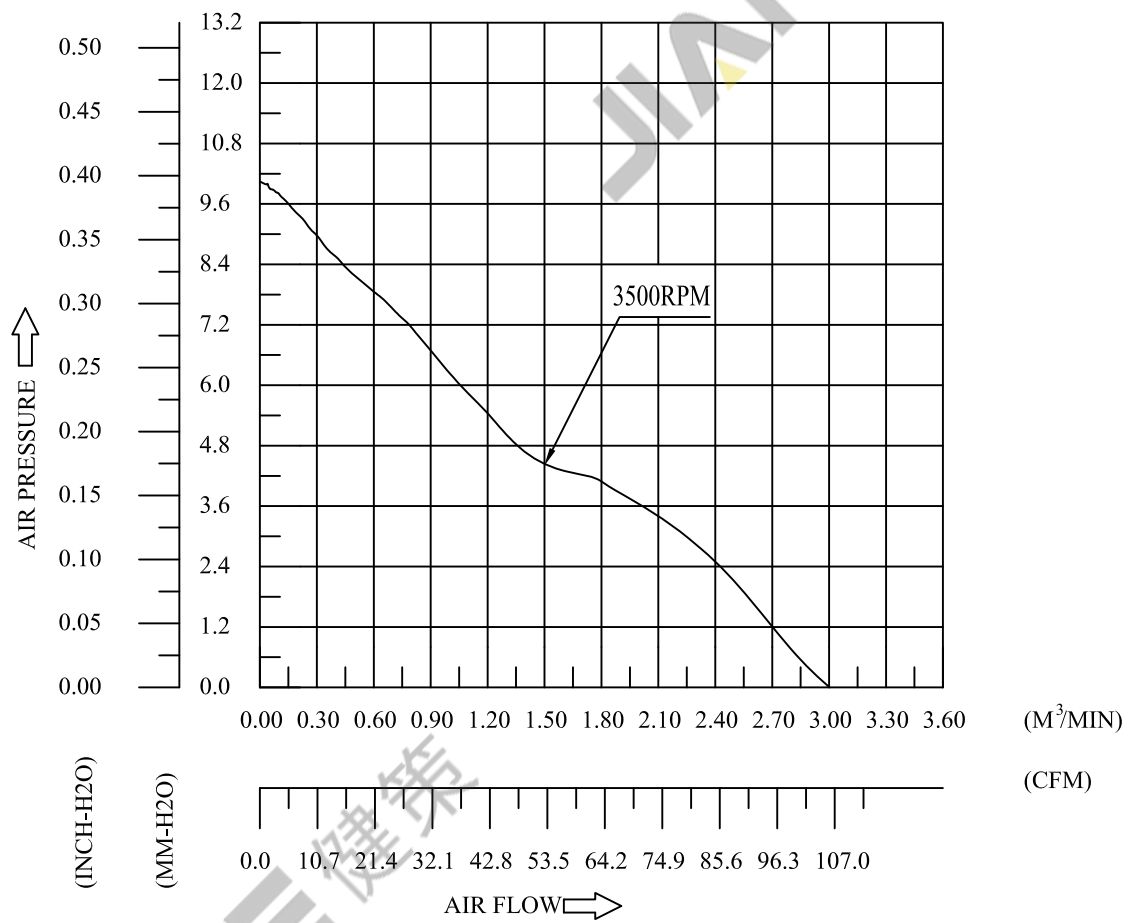
- 4-1. OPERATING TEMPERATURE _____ -10 TO +70 °C
- 4-2. STORAGE TEMPERATURE _____ -40 TO +75 °C
- 4-3. OPERATING HUMIDITY _____ 5 TO 90 % RH
- 4-4. STORAGE HUMIDITY _____ 5 TO 95 % RH
- 4-5. DROP TEST _____
 IN MINIMUM PACKAGING CONDITION FAN WITHSTAND EACH ONE
 DROP OF THREE FACES FROM 30cm DISTANCE HEIGHT ONTO 10mm
 THICKNESS OF WOODEN BOARD
- 4-6. VIBRATION TEST _____
 SINEWAVE
 DISPLACEMENT AMPLITUDE: 0.75 mm (EQUIVALENT 10G)
 FREQUENCY RANGE: 10Hz - 55 Hz / 30 SEC. 55Hz - 10 Hz / 30 SEC.
 LINEAR SCANNING 120 CYCLE
 ENDURANCE TIMER PER AXIS: 2 HOURS
 ORIENTATION: X,Y,Z
- 4-7. SHOCK TEST _____
 APPLY PEAK ACCELERATION 50 g AND KEEP DURATION OF THE
 PULSES FOR 11MS (HALF SINE WAVE)
- 4-8. RoHS COMPLIANCE _____ SEE RoHS STANDARD

5. PROTECTION

- 5-1. LOCKED ROTOR PROTECTION _____
 IMPEDANCE OF MOTOR WINDING PROTECTS MOTOR FROM DAMAGE IN
 72 HOURS OF LOCKED ROTOR CONDITION AT THE RATED VOLTAGE
- 5-2. POLARITY PROTECTION _____
 BE CAPABLE OF WITHSTANDING IF REVERSE CONNECTION FOR
 POSITIVE AND NEGATIVE LEADS

Customer No.:	
AVC Model:	DS12025B12UP077

6. P & Q CURVE

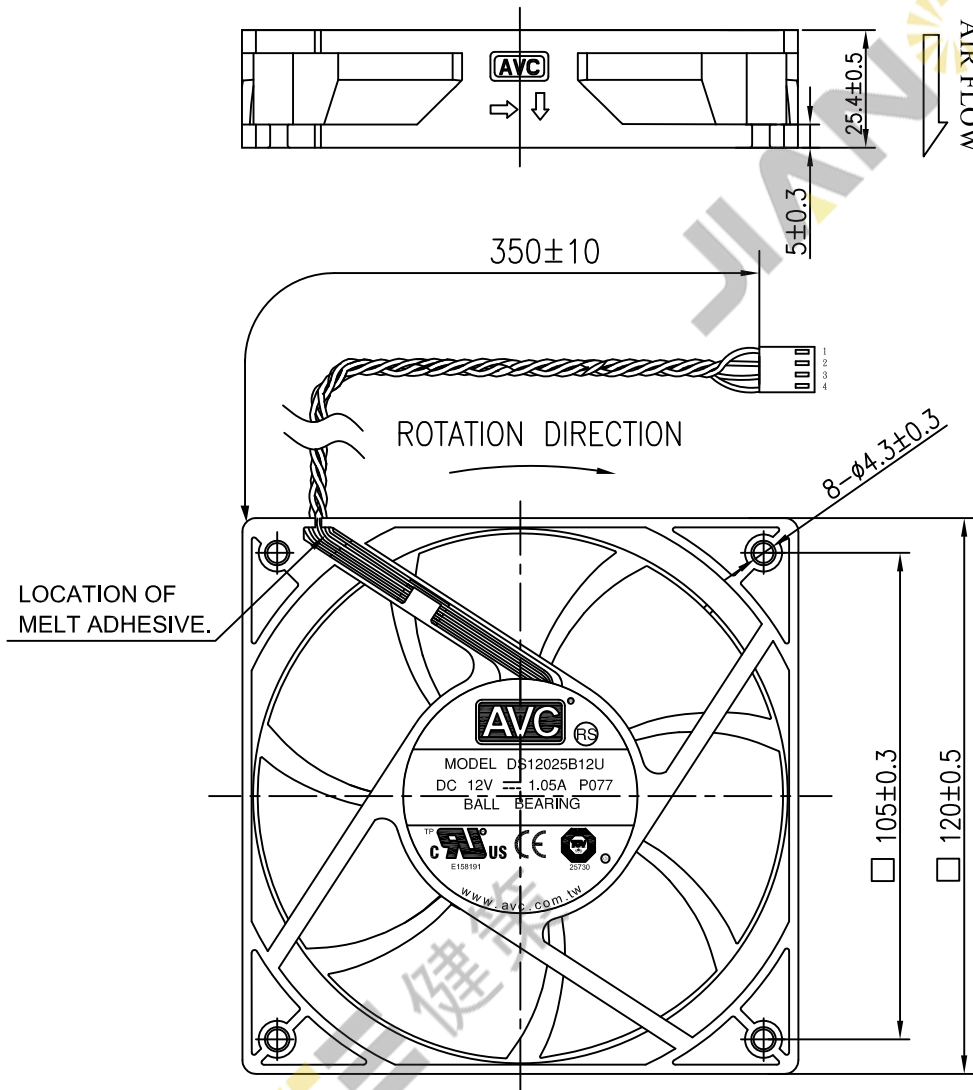


* TEST CONDITION:

INPUT VOLTAGE	——	OPERATION VOLTAGE
TEMPERATURE	——	ROOM TEMPERATURE
HUMIDITY	——	65%RH

Customer No.:	
AVC Model:	DS12025B12UP077

7. DIMENSION DRAWING



UNIT:mm

NOTES:

- LEAD WIRES: PVC WIRES UL1007 AWG#26
 PIN1: BLACK WIRE (-)
 PIN2: RED WIRE (+)
 PIN3: YELLOW WIRE (FG)
 PIN4: BLUE WIRE (PWM)
- CONNECTOR:
 HOUSING: JWT A2543H02-4P-DL or equivalent(milky yellow)
 TERMINAL: JWT A2543TOP-B2 or equivalent

Customer No.:
AVC Model: DS12025B12UP077

8. SPEED CONTROL FUNCTION

8-1. PWM SIGNAL DESCRIPTION :

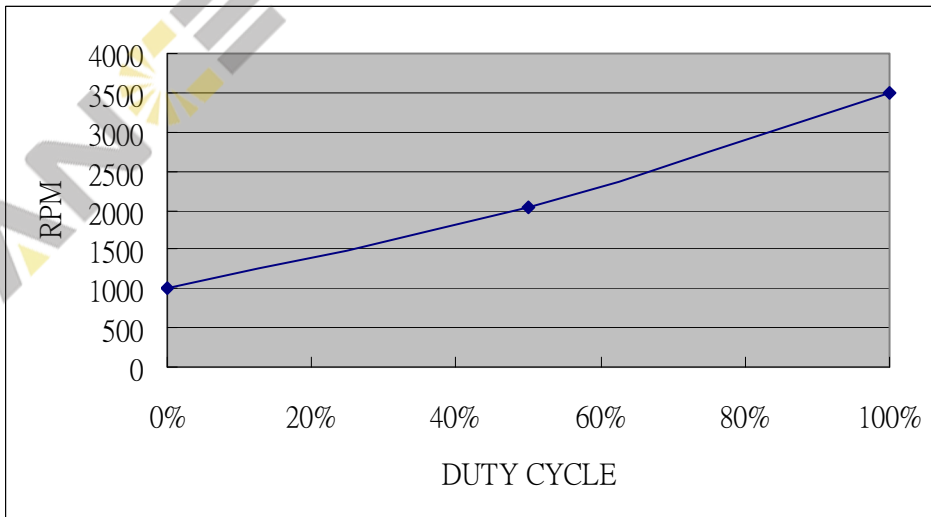
1. CONTROL SIGNAL: PWM CONTROL
2. THE RANGE OF SIGNAL VOLTAGE: LOW LEVEL VOLTAGE: MAX. <0.6V
HIGH LEVEL VOLTAGE: MIN. >2.6V , MAX.<12V
3. THE FREQUENCY OF PWM SINGAL SHALL BE ACCEPTED AT 21KHz~28KHz
4. MAX. SINK CURRENT: 8mA
5. INPUT IMPEDANCE : 10K OHM MIN.

8-2. FAN SPEED CONTROL DESCRIPTION

1. FAN INPUT VOLTAGE (POSITIVE) : 12VDC
2. PWM FREQUENCY : 25KHz
3. THE FAN SPEED WILL SPIN AT MAXIMUM WHEN THE DUTY CYCLE IS 100%.
4. THE FAN SPEED WILL SPIN AT MINIMUM WHEN THE DUTY CYCLE IS 0%.
5. THE FAN SPEED WILL SPIN AT 1000~3500 RPM WHEN THE DUTY CYCLE IS 0~100%.
6. THE FAN SPEED WILL SPIN AT MAXIMUM WHEN THE LEAD WIRE OF PWM SIGNAL DISCONNECTED.
7. THE FAN WILL BE ABLE TO START WHEN THE DUTY CYCLE IS 0% .

8-3. PWM DUTY CYCLE VS. RPM

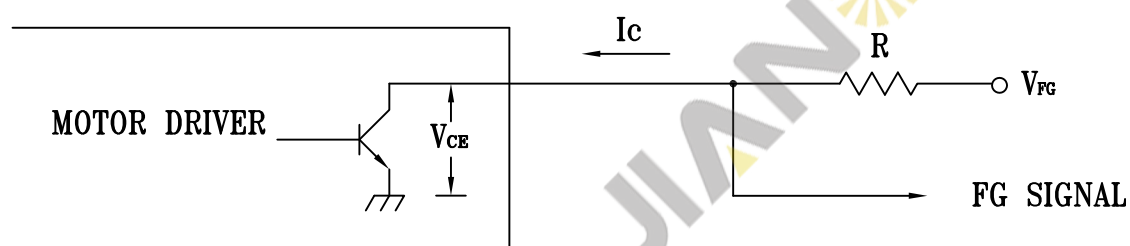
DUTY CYCLE %	R.P.M
0	1000±250
50	2050±250
100	3500±350



Customer No.:
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9. FREQUENCY GENERATOR (FG) SIGNAL

9-1. SCHEMATIC:



CAUTION:

THE LEAD WIRE OF FG SIGNAL CAN NOT TOUCH THE LEAD WIRE OF POSITIVE OR NEGATIVE.

9-2. SIGNAL SPECIFICATION:

OUTPUT TYPE: OPEN COLLECT

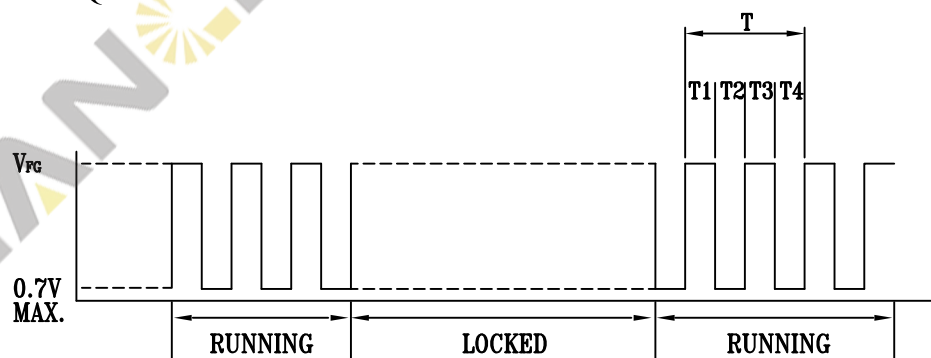
V_{FG} MAXIMUM VOLTAGE = 13.2V

I_c MAXIMUM CURRENT = 5mA

LOW LEVEL VOLTAGE = 0.7V MAX.

$$R \geq V_{FG} / I_c$$

9-3. FREQUENCY GENERATOR WAVEFORM:



$$T = T_1 + T_2 + T_3 + T_4 = 60/N \text{ (Sec)}$$

N: SPEED (RPM)

RoHS STANDARD

HAZARDOUS SUBSTANCES		ALLOWABLE CONTENT (wt%)	REMARK
HEAVY METALS	CADMIUM (Cd) AND ITS COMPOUNDS	< 0.01 wt% (< 100 ppm)	DIRECTIVE 2002/95/EC
	LEAD (Pb) AND ITS COMPOUNDS	< 0.1 wt% (< 1000 ppm)	DIRECTIVE 2002/95/EC
	MERCURY (Hg) AND ITS COMPOUNDS	< 0.1 wt% (< 1000 ppm)	DIRECTIVE 2002/95/EC
	HEXA VALENT CHROMIUM (CHROMIUM VI) (Cr ⁶⁺) AND ITS COMPOUNDS	< 0.1 wt% (< 1000 ppm)	DIRECTIVE 2002/95/EC
BROMINATED FLAME RETARDANTS	POLYBROMINATED BIPHENYLS (PBBs)	< 0.1 wt% (< 1000 ppm)	DIRECTIVE 2002/95/EC
	POLYBROMINATED DIPHENYL ETHERS (PBDEs)	< 0.1 wt% (< 1000 ppm)	DIRECTIVE 2002/95/EC

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Product Service

CERTIFICATE

No. B 11 12 25730 257

Holder of Certificate: **Asia Vital Components Co.,Ltd.**

7F-3, No. 24, Wucyuan 2 Rd.
Sinjhuang District, New Taipei City
TAIWAN

Certification Mark:



Product:

**Component fan
(Component DC Fan)**

The product was tested on a voluntary basis and complies with the essential requirements. The certification mark shown above can be affixed on the product. It is not permitted to alter the certification mark in any way. In addition the certification holder must not transfer the certificate to third parties. See also notes overleaf.

Test report no.:

6121011114801

Date, 2011-12-13

Page 1 of 3

Bill Lin
(Bill Lin)





Product Service

CERTIFICATE

No. B 11 12 25730 257

Model(s):

XY10033, XY12025, XY12032, XY12038,
XY12051, XY12054, XY12738 Series

Difference:

X Y 100 33 Z 12 G -FAR

A B C D E F G H

A - Fan type

"X" can be B, C, D, E or 2

B = Blower Fan; C = Cross Fan; D = Axial Fan;

E = Blower generation; 2 = Axial fan generation

B - Internal Control Code

"Y" can be A-Z or 0-9

C - Frame Size

100 = 10.0 cm; 120 = 12.0 cm; 127 = 12.7 cm

D - Frame Thickness

25 = 2.5 cm; 32 = 3.2 cm; 33 = 3.3 cm;

38 = 3.8 cm; 51 = 5.1 cm; 54 = 5.4 cm

E - Bearing Type

"Z" can be A, B, C, G, S, T, R or P

A = One Ball Bearing B = Two Ball Bearing

C = Ceramic Bearing G = Air Bearing

S = Sleeve Bearing T = One Ball & one Sleeve

R = Hydraulic Bearing P = Power Life

F - Input Voltage

12 = 12Vdc; 24 = 24Vdc; 48 = 48Vdc

G - Speed of Fan

G = Extremely High Speed

F = Super High Speed S = Ultra High Speed

U = Extra High Speed H = High Speed

M = Medium Speed L = Low Speed

E = Extra low speed X = Ultra low speed

H - Internal Control Code/Control Type/Signal Output

V=ABCD where A, B, C, D can be A-Z, 0-9 or "-"

Special note:

When first code A denote for P, S, V or A

P = PWM Controller ; S = Sensor Controller

V = Voltage Controller; A = PWM +Sensor Controller

Parameters:

Rated input voltage: 12, 24 or 48 Vdc

Rated input current: See attachment

Protection class: III

Max. ambient temperature: 70 °C

Degree of protection
against ingress of liquids: Ordinary

Remark: When installing, all requirements of below
mentioned test standards must be fulfilled.

Tested according to:

EN 60950-1/A12:2011

Production Facility(ies):

68566, 47171, 69403

Page 2 of 3

Bill Li -



The following models of Component DC Fan "XY10033, XY12025, XY12032, XY12038, XY12051, XY12054, XY12738 Series" will be covered by above certificate:

Taiwan

Model-#	DC Ratings		Model-#	DC Ratings		Model Description:								
	Vdc	A		Vdc	A	X	Y	100	33	Z	12	G	-FAR	
						A	B	C	D	E	F	G	H	
XY10033Z12GV	12Vdc	4.50A	XY12038Z24FV	24Vdc	0.78A									
XY10033Z12FV	12Vdc	3.15A	XY12038Z24SV	24Vdc	0.62 or 3.27A									
XY10033Z12SV	12Vdc	2.85A	XY12038Z24UV	24Vdc	0.42 or 1.20 or 2.08A									
XY10033Z12UV	12Vdc	2.40A												
XY10033Z12HV	12Vdc	1.32A	XY12038Z24HV	24Vdc	2.10 or 0.45 or 1.42A									
XY10033Z12MV	12Vdc	0.99A	XY12038Z24MV	24Vdc	1.50 or 0.30 or 0.87A									
XY10033Z12LV	12Vdc	0.58A												
XY10033Z24GV	24Vdc	2.25A	XY12038Z24LV	24Vdc	1.20 or 0.20A									
XY10033Z24FV	24Vdc	1.60A	XY12038Z24EV	24Vdc	0.90A									
XY10033Z24HV	24Vdc	0.54A	XY12038Z24XV	24Vdc	0.68A									
XY10033Z24MV	24Vdc	0.51A												
XY10033Z24LV	24Vdc	0.33A	XY12038Z48SV	48Vdc	1.53A									
			XY12038Z48UV	48Vdc	0.53 or 1.30A									
			XY12038Z48HV	48Vdc	0.95 or 0.25 or 0.30 or 0.70 A									
XY12025Z12UV	12Vdc	0.85 or 1.05A	XY12038Z48MV	48Vdc	0.60 or 0.18 or 0.21 or 0.54A									
XY12025Z12HV	12Vdc	0.45 or 0.75A	XY12038Z48LV	48Vdc	0.46 or 0.15A									
XY12025Z12MV	12Vdc	0.30 or 0.48A	XY12038Z48EV	48Vdc	0.42 or 0.12A									
XY12025Z12LV	12Vdc	0.25 or 0.30A	XY12038Z48XV	48Vdc	0.33A									
XY12025Z12EV	12Vdc	0.20A												
			XY12051Z12HV	12Vdc	3.20A									
XY12025Z24UV	24Vdc	0.50 or 0.70A												
XY12025Z24HV	24Vdc	0.38 or 0.50A	XY12054Z24FV	24Vdc	2.85A									
XY12025Z24MV	24Vdc	0.24 or 0.30A	XY12054Z24SV	24Vdc	1.69A									
XY12025Z24LV	24Vdc	0.17 or 0.20A	XY12054Z24UV	24Vdc	1.24A									
XY12025Z24EV	24Vdc	0.11 or 0.15A	XY12054Z24HV	24Vdc	0.91A									
			XY12054Z48FV	48Vdc	1.62A									
XY12025Z48UV	48Vdc	0.27A	XY12054Z48SV	48Vdc	0.90A									
XY12025Z48HV	48Vdc	0.18A	XY12054Z48UV	48Vdc	0.66A									
XY12025Z48MV	48Vdc	0.14A	XY12054Z48HV	48Vdc	0.52A									
XY12025Z48LV	48Vdc	0.11A												
XY12025Z48EV	48Vdc	0.08A												
			XY12738Z12FV	12Vdc	3.00A									
XY12032Z12UV	12Vdc	2.00 or 0.77A	XY12738Z12SV	12Vdc	2.20A									
XY12032Z12HV	12Vdc	1.60 or 0.50A	XY12738Z12UV	12Vdc	1.75A									
XY12032Z12MV	12Vdc	1.20 or 0.39A	XY12738Z12HV	12Vdc	1.35A									
XY12032Z12LV	12Vdc	1.00 or 0.24A	XY12738Z12MV	12Vdc	1.00A									
XY12032Z12EV	12Vdc	0.80 or 0.14A	XY12738Z12LV	12Vdc	0.75A									
			XY12738Z12EV	12Vdc	0.50A									
XY12032Z24UV	24Vdc	0.53A	XY12738Z24FV	24Vdc	1.26A									
XY12032Z24HV	24Vdc	0.39 or 1.00A	XY12738Z24SV	24Vdc	1.02A									
XY12032Z24MV	24Vdc	0.24 or 0.80A	XY12738Z24UV	24Vdc	0.82A									
XY12032Z24LV	24Vdc	0.15 or 0.60A	XY12738Z24HV	24Vdc	0.60A									
XY12032Z24EV	24Vdc	0.11A	XY12738Z24MV	24Vdc	0.53A									
			XY12738Z24LV	24Vdc	0.42A									
XY12032Z48UV	48Vdc	0.35A	XY12738Z24EV	24Vdc	0.32A									
XY12032Z48HV	48Vdc	0.18A												
XY12032Z48MV	48Vdc	0.12A	XY12738Z48FV	48Vdc	0.86A									
XY12032Z48LV	48Vdc	0.10A	XY12738Z48SV	48Vdc	0.69A									
XY12032Z48EV	48Vdc	0.08A	XY12738Z48UV	48Vdc	0.57A									
			XY12738Z48HV	48Vdc	0.47A									
XY12038Z12FV	12Vdc	1.54A	XY12738Z48MV	48Vdc	0.36A									
XY12038Z12SV	12Vdc	1.43A	XY12738Z48LV	48Vdc	0.30A									
XY12038Z12UV	12Vdc	1.41 or 2.50 or 1.80 or 4.66A	XY12738Z48EV	48Vdc	0.24A									
XY12038Z12HV	12Vdc	4.50 or 1.05 or 1.50 or 0.80 or 2.88 A												
			XY12038Z12MV	12Vdc	3.23 or 1.00 or 0.52 or 1.83A									
XY12038Z12LV	12Vdc	2.55 or 0.50 or 0.70A												
XY12038Z12EV	12Vdc	1.80 or 0.50A												
XY12038Z12XV	12Vdc	1.43A												

A - Fan Type
 "X" can be B, C, D, E or 2
 B = Blower Fan C = Cross Fan
 D = Axial Fan E = Blower generation
 2 = Axial fan generation

B - Internal Control Code
 "V" can be A-Z or 0-9

C - Frame Size
 100 = 10.0 cm 120 = 12.0 cm
 127 = 12.7 cm

D - Frame Thickness
 25 = 2.5 cm 32 = 3.2 cm
 33 = 3.3 cm 38 = 3.8 cm
 51 = 5.1 cm 54 = 5.4 cm

E - Bearing Type
 "Z" can be A, B, C, G, S, T, R or P
 A = One Ball Bearing
 B = Two Ball Bearing
 C = Ceramic Bearing
 G = Air Bearing
 S = Sleeve Bearing
 T = One Ball and One Sleeve
 R = Hydraulic Bearing
 P = Power Life

F - Input Voltage
 12 = 12Vdc 24 = 24Vdc
 48 = 48Vdc

G - Speed of Fan
 G = Extremely High Speed
 F = Super High Speed
 S = Ultra High Speed
 U = Extra High Speed
 H = High Speed
 M = Medium Speed
 L = Low Speed
 E = Extra low speed
 X = Ultra low speed

H - Internal Control Code/Control Type/Signal Output
 V=ABCD where A,B,C,D may be A-Z, 0-9 or "-".
 Special note:
 When first code A denote for P, S, V or A
 P = PWM Controller
 S = Sensor Controller
 V = Voltage Controller
 A = PWM + Sensor Controller

Note: above "X" can be B, C, D, E or 2; "Y" can be A-Z or 0-9; "Z" can be A, B, C, G, S, T, R or P; "V" can be ABCD where A,B,C,D may be A-Z, 0-9 or "-".

Date: 2011-12-13



Testing Laboratory

Bill Lin
 Bill Lin



Product Service

Attestation of Compliance

No. E8N 12 03 25730 297

Holder of Certificate: Asia Vital Components Co.,Ltd.

7F-3, No. 24, Wucyuan 2 Rd.
Sinjhuang District, New Taipei City
TAIWAN

Name of Object: Component fan
(DC Fan)

This Attestation of Compliance is issued according to the Directive 2004/108/EC relating to electromagnetic compatibility on a voluntary basis. It confirms that the listed apparatus complies with all essential requirements of the EMC directive and applies only to the sample and its technical documentation submitted to TÜV SÜD Product Service GmbH for testing and certification. See also notes overleaf.

Test report no.: 612861207301



Date, 2012-03-27

(Joseph Lu)



After preparation of the necessary technical documentation as well as the EC conformity declaration the required CE marking can be affixed on the product. Other relevant directives have to be observed.

Page 1 of 6



Product Service

Attestation of Compliance

No. E8N 12 03 25730 297

Model(s):

XY04, XY05, XY09, XY12 Series

Difference:

D A 090 20 B 12 U -FAR

A B C D E F G H

A - Fan Type

D : Axial FAN 2 : Axial fan generation

B : Blower C : Cross FAN

E : Blower generation

B - Internal Control Code

Y May be A-Z or 0-9

C - Frame Size

040 : 4.0cm 042 : 4.2cm 044 : 4.4cm

045 : 4.5cm 047 : 4.7cm 048 : 4.8cm

050 : 5.0cm 051 : 5.1cm 055 : 5.5cm

090 : 9.0cm 092 : 9.2cm 097 : 9.7cm

120 : 12.0cm 127 : 12.7cm

D - Frame Thickness

06 : 0.6cm 08 : 0.8cm 09 : 0.9cm

10 : 1.0cm 12 : 1.2cm 13 : 1.3cm

15 : 1.5cm 20 : 2.0cm 25 : 2.5cm

28 : 2.8cm 32 : 3.2cm 33 : 3.3cm

38 : 3.8cm 48 : 4.8cm 51 : 5.1cm

54 : 5.4cm 56 : 5.6cm

E - Bearing Type

A : One Ball Bearing B : Two Ball Bearing

C : Ceramic Bearing G : Air Bearing

S : Sleeve Bearing T : One Ball and One Sleeve

R : Hydraulic Bearing P : Power Life Bearing

F - Input Voltage

5 : 5 Vdc 12 : 12 Vdc

24 : 24 Vdc 48 : 48 Vdc

G - Speed of Fan

G : Extreme High Speed F : Super High Speed

S : Ultra High Speed U : Extra High Speed

H : High Speed M : Medium Speed

L : Low Speed E : Extra Low Speed

X : Ultra Low Speed

H - Internal Control Code/Control Type/Signal Output

V=ABCD where A, B, C, D may be A-Z, 0-9 or "-"

Special note:

When first code A denote for P, S, V or A

P : PWM Controller

S : Sensor Controller

V : Voltage Controller

A : PWM + Sensor Controller

Description of Object:

Rated input(s):

5, 12, 24 or 48 Vdc

Rated input current:

See attachments

Protection class:

III

Tested according to:

EN 55022:2010

EN 55024:2010

Page 2 of 6



Taiwan

Based on the tests performed following models of the DC Fan “XY04, XY05, XY09, XY12 Series” are covered:

Model-#	DC Ratings		Model-#	DC Ratings		Difference
XY04008Z05HV	5Vdc	0.35A	XY04028Z12SV	12Vdc	0.96A	D A 090 20 B 12 U -FAR A B C D E F G H
XY04008Z05MV	5Vdc	0.20A	XY04028Z12UV	12Vdc	0.66 or 0.60A	
XY04008Z05LV	5Vdc	0.12A	XY04028Z12HV	12Vdc	0.53A	A - Fan type D : Axial FAN E : Blower generation 2 : Axial fan generation C : Cross FAN B : Blower
			XY04028Z12MV	12Vdc	0.45A	
XY04010Z05SV	5Vdc	0.47A	XY04028Z12LV	12Vdc	0.36A	B - Internal Control Code Y May be A-Z or 0-9
XY04010Z05UV	5Vdc	0.39 or 0.30A	XY04028Z12EV	12Vdc	0.15A	
XY04010Z05HV	5Vdc	0.29 or 0.40A				C - Frame Size 040 : 4.0 cm 051 : 5.1 cm 042 : 4.2 cm 055 : 5.5 cm 044 : 4.4 cm 090 : 9.0 cm 045 : 4.5 cm 092 : 9.2 cm 047 : 4.7 cm 097 : 9.7 cm 048 : 4.8 cm 120 : 12.0 cm 050 : 5.0 cm 127 : 12.7 cm
XY04010Z05MV	5Vdc	0.18 or 0.28A	XY04028Z24UV	24Vdc	0.30 or 0.39A	
XY04010Z05LV	5Vdc	0.14 or 0.15A	XY04028Z24HV	24Vdc	0.24A	D - Frame Thickness 06 : 0.6 cm 28 : 2.8 cm 08 : 0.8 cm 32 : 3.2 cm 09 : 0.9 cm 33 : 3.3 cm 10 : 1.0 cm 38 : 3.8 cm 12 : 1.2 cm 48 : 4.8 cm 13 : 1.3 cm 51 : 5.1 cm 15 : 1.5 cm 54 : 5.4 cm 20 : 2.0 cm 56 : 5.6 cm 25 : 2.5 cm
XY04010Z05EV	5Vdc	0.11A	XY04028Z24MV	24Vdc	0.17A	
XY04010Z05XV	5Vdc	0.08A	XY04028Z24LV	24Vdc	0.14A	E - Bearing Type A : One Ball Bearing S : Sleeve Bearing B : Two Ball Bearing T : One Ball & One Sleeve C : Ceramic Bearing R : Hydraulic Bearing G : Air Bearing P : Power Life
			XY04028Z24EV	24Vdc	0.11A	
XY04010Z12SV	12Vdc	0.30A				F - Input Voltage 5 : 5Vdc 12 : 12Vdc 24 : 24Vdc 48 : 48Vdc
XY04010Z12UV	12Vdc	0.14A	XY04048Z12SV	12Vdc	1.90A	
XY04010Z12HV	12Vdc	0.11 or 0.24 or 0.22A	XY04048Z12UV	12Vdc	1.14A	G - Speed of Fan G : Extremely High Speed M : Medium Speed F : Super High Speed L : Low Speed S : Ultra High Speed E : Extra low speed U : Extra High Speed X : Ultra low speed H : High Speed
			XY04048Z12HV	12Vdc	0.82A	
XY04010Z12MV	12Vdc	0.10 or 0.20 or 0.17A	XY04048Z12LV	12Vdc	0.82A	H - Internal Control Code/ Control Type/ Signal Output V=ABCD where A,B,C,D may be A-Z, 0-9 or “-” Special note: When first code A denote for P, S, V or A P : PWM Controller S : Sensor Controller V : Voltage Controller A : PWM + Sensor Controller
XY04010Z12LV	12Vdc	0.08 or 0.15 or 0.14A	XY04056Z12UV	12Vdc	1.88 or 1.40A	
XY04010Z12EV	12Vdc	0.07 or 0.10A	XY04056Z12HV	12Vdc	1.20A	
XY04010Z12XV	12Vdc	0.10A				
			XY04210Z12UV	12Vdc	0.20A	
XY04010Z24SV	24Vdc	0.15A	XY04210Z12HV	12Vdc	0.22 or 0.15A	
XY04010Z24UV	24Vdc	0.10A	XY04210Z12MV	12Vdc	0.17 or 0.12A	
			XY04210Z12LV	12Vdc	0.14 or 0.09A	
XY04015Z05SV	5Vdc	0.50A	XY04210Z12EV	12Vdc	0.06A	
XY04015Z05UV	5Vdc	0.41 or 0.36A				
XY04015Z05HV	5Vdc	0.35 or 0.27A	XY04410Z12HV	12Vdc	0.22A	
XY04015Z05MV	5Vdc	0.25 or 0.23A	XY04410Z12MV	12Vdc	0.20A	
XY04015Z05LV	5Vdc	0.20A	XY04410Z12LV	12Vdc	0.14A	
XY04015Z12UV	12Vdc	0.75A	XY04510Z05UV	5Vdc	0.50A	
XY04015Z12HV	12Vdc	0.26A	XY04510Z05HV	5Vdc	0.35A	
XY04015Z12MV	12Vdc	0.24A	XY04510Z05MV	5Vdc	0.20A	
XY04015Z12LV	12Vdc	0.21A	XY04510Z05LV	5Vdc	0.15A	
XY04015Z12EV	12Vdc	0.15A				
XY04015Z12XV	12Vdc	0.12A	XY04510Z05UV	5Vdc	0.43 or 0.44A	
			XY04510Z05HV	5Vdc	0.36 or 0.27A	
XY04015Z24UV	24Vdc	0.35A	XY04510Z05LV	5Vdc	0.29 or 0.17A	
XY04015Z24HV	24Vdc	0.20A	XY04510Z05EV	5Vdc	0.22 or 0.13A	
XY04015Z24MV	24Vdc	0.17A	XY04510Z05XV	5Vdc	0.15 or 0.12A	
XY04015Z24LV	24Vdc	0.14A				
XY04015Z24EV	24Vdc	0.11A	XY04510Z12SV	12Vdc	0.36A	
XY04015Z24XV	24Vdc	0.09A	XY04510Z12UV	12Vdc	0.31A	
			XY04510Z12HV	12Vdc	0.18A	
XY04020Z05UV	5Vdc	0.40A	XY04510Z12MV	12Vdc	0.11A	
XY04020Z05HV	5Vdc	0.30A	XY04510Z12LV	12Vdc	0.08A	
XY04020Z05MV	5Vdc	0.25A	XY04510Z12EV	12Vdc	0.07A	
XY04020Z05LV	5Vdc	0.10A	XY04510Z12XV	12Vdc	0.05A	
XY04020Z12SV	12Vdc	0.40A	XY04515Z12UV	12Vdc	0.35A	
XY04020Z12UV	12Vdc	0.25A	XY04515Z12HV	12Vdc	0.30A	
XY04020Z12HV	12Vdc	0.20A	XY04515Z12MV	12Vdc	0.25A	
XY04020Z12MV	12Vdc	0.15A	XY04515Z12LV	12Vdc	0.20A	
XY04020Z12LV	12Vdc	0.10A	XY04515Z12EV	12Vdc	0.15A	
XY04020Z24SV	24Vdc	0.40A	XY04709Z12HV	12Vdc	0.30A	
XY04020Z24UV	24Vdc	0.30A	XY04709Z12MV	12Vdc	0.20A	
XY04020Z24HV	24Vdc	0.20A	XY04709Z12LV	12Vdc	0.18A	
XY04020Z24MV	24Vdc	0.15A				
XY04020Z24LV	24Vdc	0.10A	XY04812Z05HV	5Vdc	0.65A	
			XY04812Z12HV	12Vdc	0.26A	
			XY04812Z12MV	12Vdc	0.16A	
			XY04812Z12LV	12Vdc	0.10A	
			XY05010Z05UV	5Vdc	0.35A	





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Based on the tests performed following models of the DC Fan "XY04, XY05, XY09, XY12 Series" are covered:

Model-#	DC Ratings		Model-#	DC Ratings		Difference
XY05010Z12LV	12Vdc	0.14A				D A 090 20 B 12 U -FAR A B C D E F G H
XY05010Z12EV	12Vdc	0.10A	XY05512Z05GV	5Vdc	0.64A	
XY05010Z12XV	12Vdc	0.10A	XY05512Z05FV	5Vdc	0.60A	A - Fan type D : Axial FAN 2 : Axial fan generation B : Blower E : Blower generation C : Cross FAN
XY05010Z12UV	12Vdc	0.35A	XY05512Z05SV	5Vdc	0.54A	
XY05010Z12HV	12Vdc	0.22A	XY05512Z05UV	5Vdc	0.47A	B - Internal Control Code Y May be A-Z or 0-9
XY05010Z12MV	12Vdc	0.17A	XY05512Z05HV	5Vdc	0.40A	
			XY05512Z05MV	5Vdc	0.33A	C - Frame Size 040 : 4.0 cm 042 : 4.2 cm 044 : 4.4 cm 045 : 4.5 cm 047 : 4.7 cm 048 : 4.8 cm 050 : 5.0 cm 051 : 5.1 cm 055 : 5.5 cm 090 : 9.0 cm 092 : 9.2 cm 097 : 9.7 cm 120 : 12.0 cm 127 : 12.7 cm
XY05010Z24UV	24Vdc	0.16A	XY05512Z05LV	5Vdc	0.27A	
			XY05512Z05EV	5Vdc	0.22A	D - Frame Thickness 06 : 0.6 cm 08 : 0.8 cm 09 : 0.9 cm 10 : 1.0 cm 12 : 1.2 cm 13 : 1.3 cm 15 : 1.5 cm 20 : 2.0 cm 25 : 2.5 cm 28 : 2.8 cm 32 : 3.2 cm 33 : 3.3 cm 38 : 3.8 cm 48 : 4.8 cm 51 : 5.1 cm 54 : 5.4 cm 56 : 5.6 cm
XY05015Z05FV	5Vdc	0.86A	XY05512Z05XV	5Vdc	0.17A	
XY05015Z05SV	5Vdc	0.68A				E - Bearing Type A : One Ball Bearing B : Two Ball Bearing C : Ceramic Bearing G : Air Bearing S : Sleeve Bearing T : One Ball & One Sleeve R : Hydraulic Bearing P : Power Life
XY05015Z05UV	5Vdc	0.59 or 0.40A				F - Input Voltage 5 : 5Vdc 12 : 12Vdc 24 : 24Vdc 48 : 48Vdc
XY05015Z05HV	5Vdc	0.39 or 0.30	XY05512Z12FV	12Vdc	0.67A	
			XY05512Z12SV	12Vdc	0.54A	G - Speed of Fan G : Extremely High Speed F : Super High Speed S : Ultra High Speed U : Extra High Speed H : High Speed M : Medium Speed L : Low Speed E : Extra low speed X : Ultra low speed
XY05015Z05MV	5Vdc	0.28 or 0.34	XY05512Z12UV	12Vdc	0.46A	
			XY05512Z12HV	12Vdc	0.33A	H - Internal Control Code/ Control Type/ Signal Output V=ABCD where A,B,C,D may be A-Z, 0-9 or "--" Special note: When first code A denote for P, S, V or A P : PWM Controller S : Sensor Controller V : Voltage Controller A : PWM + Sensor Controller
XY05015Z05LV	5Vdc	0.20 or 0.28	XY05512Z12MV	12Vdc	0.23A	
			XY05512Z12LV	12Vdc	0.16A	
XY05015Z05EV	5Vdc	0.15A	XY05512Z12EV	12Vdc	0.11A	
			XY05512Z12XV	12Vdc	0.08A	
XY05015Z12SV	12Vdc	0.20A				
XY05015Z12FV	12Vdc	0.63A	XY05513Z05GV	5Vdc	0.90A	
XY05015Z12SV	12Vdc	0.57A	XY05513Z05FV	5Vdc	0.71A	
XY05015Z12UV	12Vdc	0.40 or 0.45A	XY05513Z05SV	5Vdc	0.65A	
XY05015Z12HV	12Vdc	0.20 or 0.38A	XY05513Z05UV	5Vdc	0.56A	
XY05015Z12MV	12Vdc	0.15 or 0.30A	XY05513Z05HV	5Vdc	0.53A	
XY05015Z12LV	12Vdc	0.12 or 0.21A	XY05513Z05MV	5Vdc	0.42A	
XY05015Z12EV	12Vdc	0.09 or 0.15A	XY05513Z05LV	5Vdc	0.35A	
			XY05513Z05EV	5Vdc	0.29A	
XY05020Z05UV	5Vdc	0.70A	XY05513Z05XV	5Vdc	0.21A	
XY05020Z05HV	5Vdc	0.50A				
XY05020Z05MV	5Vdc	0.40A	XY05513Z12FV	12Vdc	0.72A	
XY05020Z05LV	5Vdc	0.30A	XY05513Z12SV	12Vdc	0.60A	
			XY05513Z12UV	12Vdc	0.45A	
XY05020Z12SV	12Vdc	0.40A	XY05513Z12HV	12Vdc	0.35A	
XY05020Z12UV	12Vdc	0.30A	XY05513Z12MV	12Vdc	0.30A	
XY05020Z12HV	12Vdc	0.25A	XY05513Z12LV	12Vdc	0.20A	
XY05020Z12MV	12Vdc	0.20A	XY05513Z12EV	12Vdc	0.15A	
XY05020Z12LV	12Vdc	0.15A	XY05513Z12XV	12Vdc	0.12A	
XY05020Z24SV	24Vdc	0.40 A	XY05515Z05HV	5Vdc	0.50A	
XY05020Z24UV	24Vdc	0.30 A	XY05515Z05MV	5Vdc	0.25A	
XY05020Z24HV	24Vdc	0.20 A	XY05515Z05LV	5Vdc	0.16A	
XY05020Z24MV	24Vdc	0.15 A				
XY05020Z24LV	24Vdc	0.10 A	XY09020Z12UV	12Vdc	1.00A	
			XY09020Z12HV	12Vdc	0.86A	
XY05028Z12UV	12Vdc	1.65A	XY09020Z12MV	12Vdc	0.73A	
XY05028Z12HV	12Vdc	1.05A	XY09020Z12LV	12Vdc	0.52A	
XY05028Z12MV	12Vdc	0.73A	XY09020Z12EV	12Vdc	0.40A	
XY05028Z12LV	12Vdc	0.50A				
XY05028Z12EV	12Vdc	0.38A	XY09025Z12UV	12Vdc	0.70A	
			XY09025Z12HV	12Vdc	0.55A	
XY05115Z12UV	12Vdc	0.35A	XY09025Z12MV	12Vdc	0.42A	
XY05115Z12HV	12Vdc	0.30A	XY09025Z12LV	12Vdc	0.30A	
XY05115Z12MV	12Vdc	0.25A	XY09025Z12EV	12Vdc	0.22A	
XY05115Z12LV	12Vdc	0.20A				
			XY09032Z12UV	12Vdc	0.50A	
XY05125Z12SV	12Vdc	0.45A	XY09032Z12HV	12Vdc	0.40A	
XY05125Z12UV	12Vdc	0.35A	XY09032Z12MV	12Vdc	0.30A	
XY05125Z12HV	12Vdc	0.30A	XY09032Z12LV	12Vdc	0.25A	
XY05125Z12MV	12Vdc	0.25A	XY09032Z12EV	12Vdc	0.18A	
XY05125Z12LV	12Vdc	0.20A				
XY05125Z12EV	12Vdc	0.15A	XY09220Z12UV	12Vdc	0.48A	
			XY09220Z12HV	12Vdc	0.34A	
XY05510Z12HV	12Vdc	0.24A	XY09220Z12MV	12Vdc	0.25A	
XY05510Z12MV	12Vdc	0.14A	XY09220Z12LV	12Vdc	0.18A	
XY05510Z12LV	12Vdc	0.11A	XY09220Z12EV	12Vdc	0.13A	





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Based on the tests performed following models of the DC Fan "XY04, XY05, XY09, XY12 Series" are covered:

Model-#	DC Ratings		Model-#	DC Ratings		Difference
XY09220Z24UV	24Vdc	0.48A	XY09733Z12HV	12Vdc	1.00A	D A 090 20 B 12 U -FAR A B C D E F G H
XY09220Z24HV	24Vdc	0.39A				
XY09220Z24MV	24Vdc	0.33A	XY12025Z12UV	12Vdc	0.85 or 1.05A	A - Fan type D : Axial FAN 2 : Axial fan generation B : Blower E : Blower generation C : Cross FAN
XY09220Z24LV	24Vdc	0.30A	XY12025Z12HV	12Vdc	0.45 or 0.75A	
XY09220Z24EV	24Vdc	0.27A	XY12025Z12MV	12Vdc	0.30 or 0.48A	B - Internal Control Code Y May be A-Z or 0-9
			XY12025Z12LV	12Vdc	0.25 or 0.30A	
			XY12025Z12EV	12Vdc	0.20A	C - Frame Size 040 : 4.0 cm 042 : 4.2 cm 044 : 4.4 cm 045 : 4.5 cm 047 : 4.7 cm 048 : 4.8 cm 050 : 5.0 cm
XY09225Z12FV	12Vdc	1.08A				
XY09225Z12SV	12Vdc	0.70 or 0.88A				D - Frame Thickness 06 : 0.6 cm 08 : 0.8 cm 09 : 0.9 cm 10 : 1.0 cm 12 : 1.2 cm 13 : 1.3 cm 15 : 1.5 cm 20 : 2.0 cm 25 : 2.5 cm
XY09225Z12UV	12Vdc	0.56 or 0.7 or 0.62 or 0.5A	XY12025Z24UV	24Vdc	0.50 or 0.70A	
			XY12025Z24HV	24Vdc	0.38 or 0.50A	E - Bearing Type A : One Ball Bearing B : Two Ball Bearing C : Ceramic Bearing G : Air Bearing S : Sleeve Bearing T : One Ball & One Sleeve R : Hydraulic Bearing P : Power Life
XY09225Z12HV	12Vdc	0.41 or 0.5	XY12025Z24MV	24Vdc	0.24 or 0.30A	
			XY12025Z24LV	24Vdc	0.17 or 0.20A	F - Input Voltage 5 : 5Vdc 12 : 12Vdc 24 : 24Vdc 48 : 48Vdc
XY09225Z12MV	12Vdc	0.20 or 0.30	XY12025Z24EV	24Vdc	0.11 or 0.15A	
						G - Speed of Fan G : Extremely High Speed F : Super High Speed S : Ultra High Speed U : Extra High Speed H : High Speed M : Medium Speed L : Low Speed E : Extra low speed X : Ultra low speed
XY09225Z12LV	12Vdc	0.13 or 0.20	XY12025Z48UV	48Vdc	0.27A	
			XY12025Z48HV	48Vdc	0.18A	H - Internal Control Code/ Control Type/ Signal Output V=ABCD where A,B,C,D may be A-Z, 0-9, "-" Special note: When first code A denote for P, S, V or A P : PWM Controller S : Sensor Controller V : Voltage Controller A : PWM + Sensor Controller
XY09225Z12EV	12Vdc	0.10 or 0.15A	XY12025Z48MV	48Vdc	0.14A	
			XY12025Z48LV	48Vdc	0.11A	
XY09225Z24FV	24Vdc	0.55A	XY12025Z48EV	48Vdc	0.08A	
XY09225Z24SV	24Vdc	0.44A				
XY09225Z24UV	24Vdc	0.40 or 0.32A	XY12032Z12UV	12Vdc	2.00A or 0.77A	
XY09225Z24HV	24Vdc	0.30 or 0.22A	XY12032Z12HV	12Vdc	1.60A or 0.50A	
XY09225Z24MV	24Vdc	0.20A	XY12032Z12MV	12Vdc	1.20A or 0.39A	
XY09225Z24LV	24Vdc	0.10A	XY12032Z12LV	12Vdc	1.00A or 0.24A	
			XY12032Z12EV	12Vdc	0.80A or 0.14A	
XY09225Z48FV	48Vdc	0.35A				
XY09225Z48SV	48Vdc	0.29A	XY12032Z24UV	24Vdc	0.53A	
XY09225Z48UV	48Vdc	0.26A	XY12032Z24HV	24Vdc	0.39A or 1.00A	
XY09225Z48MV	48Vdc	0.15A	XY12032Z24MV	24Vdc	0.24A or 0.80A	
XY09225Z48LV	48Vdc	0.15A	XY12032Z24LV	24Vdc	0.15A or 0.60A	
			XY12032Z24EV	24Vdc	0.11A	
XY09232Z12HV	12Vdc	1.0A				
XY09238Z12SV	12Vdc	4.50 or 3.9 or 3.72 A	*XY12032Z48UV	48Vdc	0.35A	
			XY12032Z48HV	48Vdc	0.18A	
XY09238Z12UV	12Vdc	1.16 or 1.62				
			XY12032Z48MV	48Vdc	0.12A	
			XY12032Z48LV	48Vdc	0.10A	
XY09238Z12HV	12Vdc	0.90 or 1.35	XY12032Z48EV	48Vdc	0.08A	
XY09238Z12MV	12Vdc	0.75 or 0.82	XY12038Z12FV	12Vdc	1.54A	
			XY12038Z12SV	12Vdc	1.43A	
XY09238Z12LV	12Vdc	0.53 or 0.65	XY12038Z12UV	12Vdc	1.41 or 2.50 or 1.80 or 4.66A	
XY09238Z12EV	12Vdc	0.38 or 0.50	XY12038Z12HV	12Vdc	4.50 or 1.05 or 1.5 or 0.80 or 2.88A	
XY09238Z12XV	12Vdc	0.30 A	XY12038Z12MV	12Vdc	3.23 or 1.0 or 0.52 or 1.83A	
			XY12038Z12LV	12Vdc	2.55 or 0.50 or 0.70A	
XY09238Z24SV	24Vdc	1.60 or 1.68A				
XY09238Z24UV	24Vdc	0.77 or 1.2A	XY12038Z12EV	12Vdc	1.80 or 0.50A	
			XY12038Z12XV	12Vdc	1.43A	
XY09238Z24HV	24Vdc	0.70 or 0.80A				
XY09238Z24MV	24Vdc	0.42 or 0.45A	XY12038Z24FV	24Vdc	0.78A	
			XY12038Z24SV	24Vdc	0.62 or 3.27A	
			XY12038Z24UV	24Vdc	0.42 or 1.20 or 2.08A	
XY09238Z24LV	24Vdc	0.34 or 0.30A	XY12038Z24HV	24Vdc	2.10 or 0.45 or 1.42A	
XY09238Z24EV	24Vdc	0.30 or 0.18A				
XY09238Z48SV	48Vdc	0.94 or 0.60A	XY12038Z24MV	24Vdc	1.50 or 0.30 or 0.87A	
XY09238Z48UV	48Vdc	0.70 or 0.50A				
XY09238Z48HV	48Vdc	0.45 or 0.42A				
XY09238Z48MV	48Vdc	0.30A	XY12038Z24LV	24Vdc	1.20 or 0.20A	
XY09238Z48LV	48Vdc	0.18A	XY12038Z24EV	24Vdc	0.90A	
XY09238Z48EV	48Vdc	0.12A	XY12038Z24XV	24Vdc	0.68A	





Based on the tests performed following models of the DC Fan “XY04, XY05, XY09, XY12 Series” are covered:

Model-#	DC Ratings		Difference	
XY12038Z48SV	48Vdc	1.53A	D	A 090 20 B 12 U -FAR
XY12038Z48UV	48Vdc	0.53 or 1.30A	A	B C D E F G H
XY12038Z48HV	48Vdc	0.95 or 0.25		
		or 0.3 or 0.7A		
XY12038Z48MV	48Vdc	0.60 or 0.18	A - Fan type	D : Axial FAN E : Blower generation
		or 0.21 or 0.54A	2 : Axial fan generation	C : Cross FAN
XY12038Z48LV	48Vdc	0.46 or 0.15A	B : Blower	
XY12038Z48EV	48Vdc	0.42 or 0.12A	B - Internal Control Code	Y May be A-2 or 0-9
XY12038Z48XV	48Vdc	0.33A		
XY12051Z12HV	12Vdc	3.20A	C - Frame Size	
XY12054Z24FV	24Vdc	2.85A	040 : 4.0 cm	051 : 5.1 cm
XY12054Z24SV	24Vdc	1.69A	042 : 4.2 cm	055 : 5.5 cm
XY12054Z24UV	24Vdc	1.24A	044 : 4.4 cm	090 : 9.0 cm
XY12054Z24HV	24Vdc	0.91A	045 : 4.5 cm	092 : 9.2 cm
			047 : 4.7 cm	097 : 9.7 cm
XY12054Z48FV	48Vdc	1.62A	048 : 4.8 cm	120 : 12.0 cm
XY12054Z48SV	48Vdc	0.90A	050 : 5.0 cm	127 : 12.7 cm
XY12054Z48UV	48Vdc	0.66A		
XY12054Z48HV	48Vdc	0.52A	D - Frame Thickness	
			06 : 0.6 cm	28 : 2.8 cm
XY12738Z12FV	12Vdc	3.00A	08 : 0.8 cm	32 : 3.2 cm
XY12738Z12SV	12Vdc	2.20A	09 : 0.9 cm	33 : 3.3 cm
XY12738Z12UV	12Vdc	1.75A	10 : 1.0 cm	38 : 3.8 cm
XY12738Z12HV	12Vdc	1.35A	12 : 1.2 cm	48 : 4.8 cm
XY12738Z12MV	12Vdc	1.00A	13 : 1.3 cm	51 : 5.1 cm
XY12738Z12LV	12Vdc	0.75A	15 : 1.5 cm	54 : 5.4 cm
XY12738Z12EV	12Vdc	0.50A	20 : 2.0 cm	56 : 5.6 cm
			25 : 2.5 cm	
XY12738Z24FV	24Vdc	1.26A	E - Bearing Type	
XY12738Z24SV	24Vdc	1.02A	A : One Ball Bearing	S : Sleeve Bearing
XY12738Z24UV	24Vdc	0.82A	B : Two Ball Bearing	T : One Ball & One Sleeve
XY12738Z24HV	24Vdc	0.60A	C : Ceramic Bearing	R : Hydraulic Bearing
XY12738Z24MV	24Vdc	0.53A	G : Air Bearing	P : Power Life
XY12738Z24LV	24Vdc	0.42A		
XY12738Z24EV	24Vdc	0.32A	F - Input Voltage	
			5 : 5Vdc	
XY12738Z48FV	48Vdc	0.86A	12 : 12Vdc	
XY12738Z48SV	48Vdc	0.69A	24 : 24Vdc	
XY12738Z48UV	48Vdc	0.57A	48 : 48Vdc	
XY12738Z48HV	48Vdc	0.47A	G - Speed of Fan	
XY12738Z48MV	48Vdc	0.36A	G : Extremely High Speed	M : Medium Speed
XY12738Z48LV	48Vdc	0.30A	F : Super High Speed	L : Low Speed
XY12738Z48EV	48Vdc	0.24A	S : Ultra High Speed	E : Extra low speed
			U : Extra High Speed	X : Ultra low speed
			H : High Speed	
			H - Internal Control Code/ Control Type/ Signal Output	
			V=ABCD where A,B,C,D may be A-Z, 0-9 or "-"	
			Special note:	
			When first code A denote for P, S, V or A	
			P : PWM Controller	
			S : Sensor Controller	
			V : Voltage Controller	
			A : PWM + Sensor Controller	
Where X may be B, C, D, E or 2				
Y may be A-Z or 0-9				
Z may be A, B, C, G, S, T, R or P				
V = ABCD where A, B, C, D may be A-Z, 0-9 or "-"				

Date: 2012-03-27



Testing Laboratory

Joseph Lu
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**GPWV2.E158191
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E158191

7TH FL-3
24 WU-CHUAN 2ND RD
HSIN CHUANG DISTRICT
NEW TAIPEI, 242 TAIWAN

AC fans, Models AS8025-V1(X), AS8038-V1(Y), AS9225-V1(X), AS9238-V1(Y), AS12025-V1(Y), AS12038-V1(X), where X may be M or L, Y may be H, M or L.

Models AS8025-V2(X), AS8038-V2(Y), AS9225-V2(X), AS9238-V2(Y), AS12025-V2(Y), AS12038-V2(X), where X may be M or L, Y may be H, M or L.

Models AE17251-V1(X)B, AE17251-V1(Y), AS20572-V1H, AR25489-V1H, AR25489-V1M, where X may be M or L, Y may be H, M or L.

Models AE17251-V2(X)B, AE17251-V2(Y), AS20572-V2H, AR25489-V2H, AR25489-V2M, where X may be M or L, Y may be H, M or L.

Models AE17251-V1HB, -V2HB, AS12038-V1H, -V2H, AS8025-V1H, -V2H, AS9225-V1H, -V2H.

Models D7KA1238BAH5X(V), D7KA1238SAH5X(V), D7KA1238BBH5X(V), D7KA1238SBH5X(V), D6KA1751BAH5Y(V), D6KA1751BBH5Y(V) series, where (V) may be XX, each X may be A through Z or 0 through 9.

Models P1133HSLF, P2133HSLF, P2133HBL, P2133HBT.

Models P1259MBT, P1259MBL, P2259MBT, P2259MBL.

Models P1175HB(Y)-EF, P2175HB(Y)-EF, D3KA1738BAH5W(V), D3KA1738BBH5W(V), D6KA1738BAH5W(V), D6KA1738BBH5W(V), D3KA1751BAH5W(V), D3KA1751BBH5W(V), D6KA1751BAH5W(V), D6KA1751BBH5W(V) series, where (V) may be XX, each X may be A through Z or 0 through 9.

Model D3KA1755BBH5W(V) series, where (V) may be XX, each X may be A through Z or 0 through 9, except for T.

Models D7KA1889BBH5Y(V), D7KA1889BAH5Y(V), D7KA0825SAH7Z(V), B7KA1231BAHBX(V), B7KA1231SAHBX(V) series, where (V) may be XX, each X may be A through Z or 0 through 9.

Models D4KA1238BAH5W(V), D4KA1238SAH5W(V), D4KA1238BBH5W(V), D4KA1238SBH5W(V) series, where (V) may be XX, each X may be A through Z or 0 through 9.

Models D7KA1238BAH5W(V), D7KB1238BAH5W(V), D7KB1238BBH5W(V), D7KC1238BBH5W(V) series, where (V) may be XX, each X may be A through Z or 0 through 9.

Models B5AA1968BBH3W(V), D3KB1738BAH3W(V), D3KB1738BBH3W(V), D3KA1755BAH3W(V), D3KB1755BBH3W(V), ACDA1755BBH7W(V) Series, where (V) may be XX, each X may be A through Z or 0 through 9.

Models B5AA2271BBH3W(V), D4KA2280BBH3W(V), ACDA2280BBH7W(V) Series, where (V) may be XX, each X may be A through Z or 0 through 9.

Models D5KA2380BBH3W(V), D4KA2880BBH3W(V), ACDA2880BBH7W(V) Series, where (V) may be XX, each X may be A through Z or 0 through 9 or blank.

Models B2AA18M5BBH3W(V), B5AA2299BBH3W(V), ACBA2299BBH7W(V), B5AA2589BBH3W(V) series, where (V) may be XX, each X may be A through Z or 0 through 9 or blank.

Models D3KC1751BBH3W(V), ACDA2085BBH3W(V), D3KC1751BAH3W(V) series, where (V) may be XX, each X may be A through Z or 0 through 9 or blank.

Models ACBA1307BBH3W(V) and ACBA1309BBH3W(V) series, where (V) may be XX, each X may be A through Z or 0 through 9 or blank.

DC fans, Models AVCHSF4010, AVCHSF4510, AVCHSF5210, AVCHSF6010, AVCHSF8010, AVCHSF9010, HS4010-B.

Models B8025 Series, C5010 Series, E9025 Series, F9025 Series, F6015 Series.

Models (L)2510(Z)05M(Y), C2510(Z)12M(Y), C2510(Z)12L(Y), C3010(Z)05L(Y), (L)3010(Z)05M(Y), D3010(Z)05L(Y), (L)3010(Z)12M(Y), (L)3507(Z)05M(Y), C3507(Z)05L(Y), D3507(Z)05L(Y), C4007(Z)05(C)(Y), D4007(Z)05M(Y), (L)4007(Z)12H(Y), (L)4010(Z)05(B)(Y), (M)4010(Z)12(X)(Y), F4010(Z)12(B)(Y), (L)4010(Z)24(B)(Y), D4407(Z)12L(Y), (L)4407(Z)05(C)(Y), (L)4407(Z)12M(Y), (L)4510(Z)05(B)(Y), (M)4510(Z)12(X)(Y), F4510(Z)12(B)(Y), (M)5010(Z)05(A)(Y), (M)5010(Z)12(X)(Y), F5010(Z)12(B)(Y), F5011(Z)05(A)(Y), (M)6010(Z)12(X)(Y), F6010(Z)12E(Y), F6010(Z)24(A)(Y), B6015(Z)12(X)(Y), (L)6015(Z)12E(Y), E6015(Z)12H(Y), (M)6015(Z)24(B)(Y), F6015(Z)24(A)(Y), C6025(Z)12(B)(Y), C6025(Z)12E(Y), (O)6025(Z)12(A)(Y), E6025(Z)12H(Y), (O)6025(Z)24(B)(Y), C6025(Z)24(B)(Y), E6025(Z)24H(Y), C6025(Z)24(B)(Y), (P)6025(Z)48(B)(Y), (Q)8025(Z)12(X)(Y), C8025(Z)12(B)(Y), F8025(Z)12E(Y), E8025(Z)12H(Y), (L)8025(Z)24(B)(Y), B8025(Z)24(A)(Y), C8025(Z)48H(Y), D9025(Z)12(B)(Y), D9025(Z)12E(Y), B9025(Z)12(X)(Y), E9025(Z)12H(Y), (L)9025(Z)24(B)(Y), (N)9025(Z)24(A)(Y), (N)1225(Z)12(A)(Y), E1225(Z)12(D)(Y), B1225(Z)24(B)(Y), F1225(Z)24(A)(Y), B1225(Z)48(B)(Y), B1238(Z)12(A)(Y), B1238(Z)24(B)(Y), F1238(Z)24(A)(Y), E1238(Z)24(D)(Y), B1238(Z)48(B)(Y), D2510(Z)12L(Y), where (A) may be H, M, L or E, (B) may be H, M or L, (C) may be M or L, (D) may be U or H, (X) may be U, H, M, L, E or X, (L) may be C or D, (M) may be B, C or D, (N) may be B or F, (O) may be B, D or F, (P) may be B, C or F, (Q) may be B or D, (Z) may be A, B, C, S, T, R or P, (Y) may be XXXX, where X may be A through Z, 0 through 9, blank or "-".

Models C6015(A)12(X)(Y), D6015(Z)12(X)(Y), where (A) may be A, B, S, T, R or P, (X) may be H, M or L, (Y) may be XXXX, where X may be A through Z, 0 through 9, blank or "-".

Models B4020(Z)12H(Y), B4020(Z)12M(Y), B4020(Z)12L(Y), B5010(Z)12X(Y), B8025(Z)24U(Y), C4020(Z)24H(Y), where (Z) may be A, B, S, T, R or P, (Y) may be XXXX, where X may be A through Z, 0 through 9, blank or "-".

Models C5515(Z)12E(Y), C5515(Z)12H(Y), C5515(Z)12L(Y), C5515(Z)12M(Y), C9025(Z)12L(Y), C9025(Z)12M(Y), C9025(Z)12H(Y), C6015(Z)12E(Y), where (Z) may be A, B, S, T, R or P, (Y) may be XXXX, where X may be A through Z, 0 through 9, blank or "-".

Models D2510(Z)12H(Y), D5515(Z)12(X)(Y), where (Z) may be A, B, S, T, R or P, (X) may be H, M, L or E, (Y) may be XXXX, where X may be A through Z, 0 through 9, blank or "-".

Models E6015(Z)12H(Y), E8025(Z)12L(Y), E4020(Z)12H(Y), where (Z) may be A, B, S, T, R or P, (Y) may be XXXX, where X may be A through Z, 0 through 9, blank or "-".

Models F4020(Z)12(X)(Y), F6010(Z)12(A)(Y), F6015(Z)12(X)(Y), F8025(Z)12(B)(Y), F8025(Z)24U(Y), F9025(Z)12(B)(Y), F1225(Z)12U(Y), F1238(Z)12(C)(Y), F3510(Z)12(X)(Y), F4511(Z)05(X)(Y), F5013(Z)05(X)(Y), F6020(Z)12(X)(Y), F8017(Z)12(X)(Y), F1238(Z)12(D)(Y), F1238(Z)24(D)(Y), D(E)12038(Z)12(D)(Y), D(E)12038(Z)24(D)(Y), B3510(Z)12(X)(Y), where (Z) may be A, B, S, T, R or P, (X) may be H, M or L, (A) may be H, L or E, (B) may be H, M, L or E, (C) may be U, H, M, L or E, (D) may be F, S or U, (Y) and (V) may be XXXX, where X may be A through Z, 0 through 9, blank or "-", (E) may be A through Z, 0 through 9.

Models P4010(Z)12H(Y), P5010(Z)12H(Y), P5010(Z)12M(Y), P6010(Z)12H(Y), P6015(Z)12U(Y), P6025(Z)24U(Y), P8025(Z)24U(Y), P9025(Z)24U(Y), P1238(Z)24H(Y), P1225(Z)24H(Y), F4020(Z)24(A)(Y), C6010(Z)05(A)(Y), D6010(Z)05(A)(Y), B6020(Z)12(B)(Y), T6020(Z)12(B)(Y), F6025(Z)05(C)(Y), F6025(Z)12(D)(Y), C7015(Z)12(E)(Y), where (A) may be U, H, M or L, (B) may be H, M or L, (C) may be U, H, M, L or E, (D) may be S, U or H, (E) may be H, M, L or E, (Z) may be A, B, S, T, R or P, (Y) may be XXXX, where X may be A through Z, 0 through 9, blank or "-".

Models T4010(Z)12U(Y), T5010(Z)12U(Y), T5010(Z)12M(Y), T6010(Z)12H(Y), T6015(Z)12U(Y), T6015(Z)12H(Y), where (Z) may be A, B, S, T, R or P, (Y) may be XXXX, where X may be A through Z, 0 through 9, blank or "-".

Model (A)(B)(C)(Z)(E)(X)(Y), where (A) may be B, C, D, E, F or R, (B) may be 25, 30, 35, 40, 44, 50, 60, 80, 90 or 12, (C) may be 07, 10, 15, 17, 20, 25 or 38, (Z) may be A, B, S, T, R or P, (E) may be 05 or 12, (X) may be E, L, M, H or U, (Y) may be XXXX, where X may be A through Z, 0 through 9, blank or "-".

Models B6015(Z)07M(Y), F3820(Z)12(A)(Y), F7015(Z)12(X)(Y), C7015(Z)12(X)(Y), where (Z) may be A, B, S, T, R or P, (A) may be U, H, M or L, (X) may be U, H, M, L or E, (Y) may be XXXX, where X may be A through Z, 0 through 9, blank or "-".

Models F3828(Z)12(A)(Y), F4020(Z)12(F)(Y), F4028(Z)12(A)(Y), E5010(Z)12(A)(Y), F6010(Z)12U(Y), E6010(Z)12(A)(Y), F6015(Z)12U(Y), F6017(Z)12(B)(Y), F6038(Z)12(D)(Y), E7015(Z)12(B)(Y), E7025(Z)12H(Y), F7025(Z)12(E)(Y), F9733(Z)12(A)(Y), F6025(Z)24U(Y), F9025(Z)24U(Y), F8025(Z)48H(Y), where (Z) may be A, B, C, S, T, R or P, (A) may be H, M or L, (B) may be H or M, (C) may be U or H, (D) may be U, H, M or L, (E) may be H, M, L or E, (F) may be G, F, S or U, (Y) may be XXXX, where X may be A through Z, 0 through 9, blank or "-".

Models C7025(Z)12(X)(Y), D7025(Z)12(X)(Y), T7015(Z)12(A)(Y), F1238(Z)48(X)(Y), F8025(Z)12U(Y), F9025(Z)12U(Y), F9025(Z)24(A)(Y), C3010(Z)12H(Y), F1225(Z)48(X)(Y), C6010(Z)05M(Y), C8025(Z)24U(Y), C8025(Z)24U(Y), D8025(Z)24U(Y), B6015(Z)12U(Y), F8017(Z)12(B)(Y), F8025(Z)12(C)(Y), C9025(Z)24U(Y), where (Z) may be A, B, C, S, T, R or P, (X) may be U, H, M, L or E, (A) may be U, H, M or L, (B) may be S or U, (C) may be G, F or S, (Y) may be XXXX, where X may be A through Z, 0 through 9, "-" or blank.

Models D(Y)07015(Z)12(X)(V), DA07015B12E(V), D(Y)07020(Z)12(B)(V), B(Y)04015(Z)05(A)(V), B(Y)05015(Z)05(A)(V), D(Y)09020(Z)12(B)(V), D(Y)09032(Z)12(B)(V), D(Y)09238(Z)12(B)(V), D(Y)09238(Z)24(B)(V), D(Y)12025(Z)12(B)(V), DV09238(Z)12(C)(V), DV09238(Z)24(C)(V) series, where (Z) may be A, B, C, G, S, T, R or P, (Y) may be A through Z or 0 through 9, (X) may be U, H, M or L, (A) may be H, M or L, (B) may be U, H, M, L or E, (C) may be S, U or H, (V) may be XXXX, where X may be A through Z, 0 through 9, "-" or blank.

Models F7015T12MY-X, F7015S12MY-X, F7015B12MY-X, F7015T12HY-X, F7015S12HY-X, F7015B12HY-X, F7015T12UY-X, F7015S12UY-X, F7015B12UY-X.

Models B(Y)04015(Z)05(X)(V), B(Y)04510(Z)05(A)(V), B(Y)05115(Z)12(B)(V), D(Y)06015(Z)05(C)(V), D(Y)08020(Z)12(C)(V), D(Y)08025(Z)12(C)(V), D(Y)09220(Z)12(C)(V), D(Y)09225(Z)12(D)(V), where (Y) may be A through Z or 0 through 9, (Z) may be A, B, C, G, S, T, R or P, (C) may be U, H, M, L or E, (D) may be S, U or H, (V) may be S or U, (A) may be U, H, M, L or E, (B) may be U, H, M or L, (V) may be XXXX, where X may be A through Z, 0 through 9, "-" or blank.

Models D(Y)06010(Z)12(X)(V), D(Y)06015(Z)12(X)(V), D(Y)07520(Z)12(X)(V), where (Y) may be A through Z or 0 through 9, (Z) may be A, B, C, G, S, T, R or P, (X) may be U, H, M, L or E, (V) may be XXXX, where X may be A through Z, 0 through 9, "-" or blank.

Models B(Y)03510(Z)05(A)(V), B(Y)03510(Z)12(B)(V), D(Y)04010(Z)05(C)(V), D(Y)04010(Z)12(D)(V), D(Y)04028(Z)12S(V), D(Y)04028(Z)12E(V), D(Y)04048(Z)12(F)(V), B(Y)05515(Z)05(G)(V), B(Y)06015(Z)05(H)(V), B(Y)06015(Z)12(J)(V), D(Y)06025(Z)12(E)(V), D(Y)06038(Z)12(C)(V), D(Y)07025(Z)12H(V), B(Y)07530(Z)12(B)(V), B(Y)07530(Z)24(E)(V), D(Y)08025(Z)34(K)(V), D(Y)08038(Z)12(E)(V), B(Y)09733(Z)12H(V), DB08038(Z)12S(V), DB08038(Z)12U(V), DB08038(Z)12H(V), DB08038(Z)12M(V), DB08038(Z)12L(V) Series, where (Y) may be A through Z or 0 through 9, (Z) may be A, B, C, G, S, T, R or P, (A) may be H, M, L, E or X, (B) may be U, H, M, L or E, (C) may be S, U, H, M, L, E or X, (D) may be S, U, H, M, L or E, (E) may be U, H, M or L, (F) may be S, U or H, (G) may be H, M or L, (H) may be F, S, U, H, M, L, E or X, (J) may be G, F, S, U, H, M, L, E or X, (K) may be U, H or M, (V) may be XXXX, where X may be A through Z, 0 through 9, "-" or blank.

Models D(Y)04015(Z)12(A)(V), D(Y)08015(Z)12(B)(V), D(Y)08025(Z)12(U)(V), B(Y)10033(Z)12(C)(V), D(Y)12025(Z)12(B)(V), where (Y) may be A through Z or 0 through 9, (Z) may be A, B, C, G, S, T, R or P, (A) may be U, H, M, L, E or X, (B) may be U, H, M, L or E, (C) may be G, F, S, U, H, M or L, (V) may be XXXX, where X may be A through Z, 0 through 9, "-" or blank.

Models DA03510(Z)05(A)(V), D(Y)03510(Z)12(B)(V), D(Y)04510(Z)05(C)(V), D(Y)04510(Z)12(D)(V), B(Y)05015(Z)05(A)(V), B(Y)05015(Z)12(H)(V), D(Y)05015(Z)12(E)(V), B(Y)06025(Z)24(E)(V), D(Y)07025(Z)24(F)(V), D(Y)08025(Z)24(F)(V), D(Y)09025(Z)12(E)(V), D(Y)09238(Z)12(G)(V), D(Y)12025(Z)24(E)(V), D(Y)12025(Z)48(E)(V), where (Y) may be A through Z or 0 through 9, (Z) may be A, B, C, G, S, T, R or P, (A) may be F, S, U, H, M, L or E, (B) may be F, S, U, H or M, (C) may be H, M, L, E or X, (D) may be S, U, H, M, L, E or X, (E) may be U, H, M, L or E, (F) may be U, H, M or L, (G) may be S, U, H, M or L, (H) may be S, U, H, M, L or E, (V) may be XXXX, where X may be A through Z, 0 through 9, "-" or blank.

Models D(Y)04056(Z)12(A)(V), B(Y)05125(Z)12(B)(V), B(Y)05512(Z)05(C)(V), B(Y)05512(Z)12(D)(V), D(Y)06020(Z)12(B)(V), D(Y)06025(Z)12(F)(V), D(Y)08038(Z)12(G)(V), B(Y)12032(Z)12(H)(V), D(Y)12038(Z)12(J)(V), D(K)12038(L)24(J)(V), DB12038B24H(W), D(Y)12038(Z)48(J)(V), where (Y) may be A through Z or 0 through 9, (Z) may be A, B, C, G, S, T, R or P, (A) may be U or H, (B) may be S, U, H, M, L or E, (C) may be G, F, S, U, H, M, L, E or X, (D) may be S, U, H, M, L, E or X, (E) may be H, M, L or E, (F) may be S, U, H, M, L, E or X, (G) may be S, U, H, M or L, (H) may be U, H, M, L or E, (J) may be H, M, L, E or X, (K) may be A thru Z or 0 thru 9, except for B; (L) may be A, C, G, S, T, R or P; (W)= XXXX where X may be A thru Z, 0 thru 9, "-" or blank, except for S009; (V) may be XXXX, where X may be A through Z, 0 through 9, "-" or blank

Models B(Y)04010(Z)05(A)(V), B(Y)04010(Z)12(B)(V), B(Y)04510(Z)05(G)(V), B(Y)04515(Z)12(C)(V), D(Y)05028(Z)12(C)(V), B(Y)05513(Z)05(D)(V), B(Y)05513(Z)12(E)(V), D(Y)06038(Z)12(F)(V), D(Y)06038(Z)24(F)(V), D(Y)07020(Z)24(C)(V), D(Y)07025(Z)12(G)(V), D(Y)07038(Z)12(H)(V), D(Y)08020(Z)24(C)(V), D(Y)08038(Z)12(C)(V), D(Y)08038(Z)24(C)(V), D(Y)08038(Z)48(C)(V), D(Y)09220(Z)24(C)(V), D(Y)09238(Z)12(H)(V), where (Y) may be A through Z or 0 through 9, (Z) may be A, B, C, G, S, T, R or P, (A) may be H, M or L, (B) may be H, M, L or E, (C) may be U, H, M, L or E, (D) may be G, F, S, U, H, M, L, E or X, (E) may be F, S, U, H, M, L, E or X, (F) may be S, U, H, M, L, E or X, (G) may be U, H, M or L, (H) may be U, H, M, L, E or X, (V) may be XXXX, where X may be A through Z, 0 through 9, "-" or blank.

Models D(Y)08038(Z)12HP(U), D(Y)09232(Z)12HP(V), where (Y) may be A through Z or 0 through 9, (Z) may be A, B, C, G, S, T, R or P, (U) may be $X_1X_2X_3X_4$, where X_2 is 4 and X_1, X_3, X_4 may be A through Z, 0 through 9, "-" or blank, (V) may be XXXX, where X may be A through Z, 0 through 9, "-" or blank.

Models D(Y)03828(Z)12(A)(V), D(Y)04210(Z)12(B)(V), D(Y)04410(Z)12(B)(V), B(Y)04709(Z)12(B)(V), D(Y)05010(Z)12(B)(V), D(Y)05510(Z)12(B)(V), D(Y)06510(Z)12(B)(V), where (Y) may be A through Z or 0 through 9, (Z) may be A, B, C, G, S, T, R or P, (A) may be U, H, M or L, (B) may be H, M or L, (V) may be XXXX, where X may be A through Z, 0 through 9, "-" or blank.

Models 0310-5(A)B, 0410-5(A)B, -12(A)B, 0420-24(A)B, 0510-12(A)B, 0615-5(A)B, 0815-12(A)B-B11, 0820-12(A)B, 0825-48(A)B, 0925-12LMB, -48(A)B-B7, 1225-48(A)B-B7, 1238-48(a)b-b7, 2510-5(A)B, 4507-12(A)B, 5215-12(A)B-B9, -12HHB-B9, -12(A)B-B11, -12(A)S-B11, -12HHB-B11, B0525-12(A)B, where (A) may be H, L or M.

Models 3510-12(A)B, 5215-12(C)S, 5215-5(C)B, 0615-12(A)B, 0620-12(A)B, 0625-12(A)B, 0625-48(A)B, 9232-12(A)B, 9232-48(A)B, 9232-12HBT(D), where (A) may be L, M or H, (C) may be L, M, H or HH, (D) may be blank, L or A.

Models DS4028-12(A)(B)(C)-(E), DS4028-12HHB(C)-A(E), DS4028-12(A)(B)(C)-A(E), DS4028-12HH(B)(C)-(E), DS8025-12(A)(B)(C)-(E), DB7530-12(A)(B)(C)-(E), DB9733-12(A)(B)(C)-(E), where (A) may be L, M or H, (B) may be B or S, (C) may be blank, A, AA, B, L, BA, T, TL or TA, (E) may be blank or 01 through 99.

Models DS8038-12HB(C)-(E), DS8038-12MB(C)-(E), DS8038-12LB(C)-(E), DS9232-12HS(C)-(E), DS9232-12MS(C)-(E), DS9232-12LS(C)-(E), DS9232-12HBT(D)-(E), DS9238-12HB(C)-(E), DS9238-12MB(C)-(E), DS9238-12LB(C)-(E), DS9238-12HBT(D)-(E), where (C) may be A, AA, blank, B or BA, (D) may be blank, L or A, (E) may be blank or 01 through 99.

Models DS8038-12HB(C)-(E), DS8038-12MB(C)-(E), DS8038-12LB(C)-(E), DS9232-12HS(C)-(E), DS9232-12MS(C)-(E), DS9232-12LS(C)-(E), DS9232-12HBT(D)-(E), DS9238-12HB(C)-(E), DS9238-12MB(C)-(E), DS9238-12LB(C)-(E), DS9238-12HBT(D)-(E), where (C) may be A, AA, blank, B or BA, (D) may be blank, L or A, (E) may be blank or 01 through 99.

Models DS3828-05(A)B(C)-(E), DS4028-05(A)B(C)-(E), DS3828-12(A)(B)(C)-(E), DS6025-12(A)(B)(C)-A(E), DS6025-12(A)(B)(C)-B(E), DS9225-12(A)(B)(C)-(E), DS12038-12(A)B(C)-(E), DS12038-12HBT(D)-(E), DS12738-12(A)B(C)-(E), DS12038-24(A)B(C)-(E), DS12738-24(A)B(C)-(E), DS12038-48(A)B(C)-(E), DS12738-48(A)B(C)-(E), where (A) may be H, M or L, (B) may be B or S, (C) may be A, AA, blank, B or BA, (D) may be blank, L or A, (E) may be blank or 01 through 99.

Models DS4020-05(A)B(C)-(E), DS4020-12(B)B(C)-(E), DS7015-12(A)B(C)-(E), DS8025-12HBT(D)-A(E), DS8025-12(B)B(C)-A(E), DS8025-12LLB(C)-A(E), DS9225-12HBT(D)-B(E), 0925-12HBT(D), DS9225-12(B)B(C)-B(E), DS9232-12(A)B(C)-(E), DS9238-12HBT(D)-A(E), DS9238-12HBT(D)-B(E), DS9238-12HBT(D)-1, DS9238-12HBT(D)-1-B, DS7015-24(A)B(C)-(E), DS8025-24(B)B(C)-A(E), DS8025-24LLB(C)-A(E), DS9225-24(B)B(C)-B(E), DS9232-24(A)B(C)-(E), DS8025-48(A)B(C)-A(E), DS8025-48LLB(C)-A(E), DS9225-48(A)B(C)-B(E), DB7530-12HHB(C)-(E), where (A) may be H, M or L, (B) may be HH, H, M or L, (C) may be A, AA, blank, B or BA, (D) may be blank, L or A, (E) may be blank or 01 through 99.

Models DS6025-12MBT(D)-(E), DS6025-12MBT(D)-C(E), DS8025-12LLB(C)-B(E), DS12025-12HBT(D)-(E), DS12025-12(A)B(C)-(E), DS12038-12HBT(D)-B(E), DB9733-12HHBT(D)-(E), DB9733-12HHB(C)-(E), DR6025-12HB(C)-(E), where (A) may be HH, H, M or L, (C) may be A, AA, blank, B, L or BA, (D) may be blank, L or A, (E) may be blank or 01 through 99.

Models DS8038-12HHB(C)-A(E), DS12038-12HHBT(C)-A(E), DS12038-12HBT(C)-A(E), DS12038-12HHB(C)-A(E), DS12038-12(A)B(C)-A(E), DM8025-12HB(C)-(E), FT-DB00-08025-(F), where (A) may be H, M or L, (C) may be blank, A or L, (E) may be blank or 01 through 99, (F) may be blank or 001 through 999.

Models DS8025-12(A)S(C)-A(E), DS8025-12(B)S(C)-C(E), DS9225-12(B)S(C)-B(E), DS9225-12LS(C)-C(E), DS9225-12(B)S(C)-D(E), DS7015-12HHB(C)-(E), DS7025-12(B)B(C)-(E), where (A) may be H, M or L, (B) may be HH, H, M or L, (C) may be L, blank or A, (E) may be blank or 01 through 99.

Models DS6025-12(A)B(D)-(E), DS7015-12(B)(C)(D)-A(E), DS7015-12(B)(C)(D)-C(E), DS7020-12(B)(C)(D)-A(E), DS7020-12(B)(C)(D)-C(E), DS7020-12H(C)T(D)-D(E), DS7020-12M(C)T(D)-D(E), DS9225-12LLBT(D)-(E), DS9232-12HHBT(D)-(E), DM7224-12(B)B(D)-(E), DB7530-12(A)B(D)-A(E), where (A) may be HH, H, M or L, (B) may be H, M or L, (C) may be B, S or C, (D) may be L, blank or A, (E) may be blank or 01 through 99.

Models DS6010-12(B)S(D)-AY-(E), DS6015-12L(C)(D)-A(E), DS6015-12H(C)(D)-C(E), DS6015-12L(C)(D)-E(E), DS12738-48VHB(D)-(E), DS12738-48(A)B(D)-A-(E), DB9733-12HHBT(D)-A-(E) series, where (A) may be HH, H, M or L, (B) may be H, M or L, (C) may be B, S or C, (D)

may be L, blank or A, (E) may be blank or 01 through 99.

Models DS9238-12HBP(A)-(B), DS9238-12MBP(A)-(B) Series, where (A) may be blank or A through Z, (B) may be blank or 01 through 99.

Models 1238-12LB(A)-A-(B), DS8025-12HHBP(A)-(B), DS12038-12HBP(A)-(B), where (A) may be blank, A or L, (B) may be blank or 01 through 99; Models B(Y)13733(Z)12(C)(V) series, D(Y)13733(Z)12(C)(V) series, D(Y)09232(Z)12(C)(V) series, where (Y) may be A through Z or 0 through 9, (Z) may be A, B, C, G, S, T, R or P, (C) may be U, H, M, L or E, (V) may be XXXX, where X may be A through Z, 0 through 9, "-" or blank.

Model DB7525-12MBP(A)-(B), where (A) may be blank, A or L, (B) may be blank or 01 through 99.

Models DS8025-12(A)C(C)-B(D), DS9225-12(B)C(C)-B(D), DS9225-12HHC(C)-W(D), DS9225-12HHS(C)-W(D), DS9238-12HBT(C)-A-2, DS9238-12HBT(C)-C(D) Series, where (A) may be H, M or L, (B) may be HH, H, M or L, (C) may be blank, A or L, (D) may be blank or 01 through 99.

Model D(Y)12038(Z)12(A)(V) Series, where (Y) may be A through Z or 0 through 9, (Z) may be B, (A) may be H or L, (V) may be XXXX, where X may be A through Z, 0 through 9, "-" or blank

Models DS9225-12HBP(D)-(E), DS12025-12(B)C(D)-A(E), DS12025-12(B)F(D)-A(E), DS12738-12(A)B(D)-A(E), DS12738-24VHB(D)-A(E), DS12738-24(A)B(D)-A(E), DB9733-12VHBP(D)-(E), DB9733-12VHB(D)-(E) Series, where (A) may be HH, H, M or L, (B) may be H, M or L, (D) may be blank, A or L, (E) may be blank or 01 through 99.

Models DS3828-12(A)B(D)-G(E), DS4010-12(A)B(D)-T(E), DS4010-05H(B)(D)-T(E), DS5010-12M(B)(D)-T(E), DS5010-12L(B)(D)-T(E), DS7020-12HB(D)-G(E), DS7020-12HC(D)-G(E) Series, where (A) may be H, M or L, (B) may be B, C or F, (D) may be blank, A or L, (E) may be blank or 01 through 99.

Models B(Y)12054(Z)48(T)(V), D(Y)12738(Z)48(U)(V) series, where (Y) may be A through Z or 0 through 9, (Z) may be A, B, C, G, S, T, R or P, (T) may be F, S, U or H, (U) may be F, S, U, H, M, L or E, (V) may be XXXX, where X may be A through Z, 0 through 9, "-" or blank.

Models DA12032B48UP007, D(Y)12032(Z)48(A)(V), D(Y)12032(Z)48U(W), BA07015(Z)12(B)-S01, D(Y)09225(Z)48(C)(V) series, where (A) may be H, M, L or E, (B) may be S, U, H, M or L, (C) may be F, S, U or H, (Y) may be A through Z or 0 through 9, (Z) may be A, B, C, G, S, T, R or P, (V) may be XXXX, where X may be A through Z, 0 through 9, "-" or blank; (W)= XXXX where X may be A thru Z, 0 thru 9, "-" or blank, except for P007.

Models DB0973312XZUN, DB0973312XZHN, DB0973324XZUN, DB0973324XZHN, DB0973324XZMN, DB0973324XZLN, DB1203212XZUN, DB1203212XZHN, DB1203212XZMN, DB1203212XZLN, DB1203224XZUN, DB1203224XZHN, DB1203224XZMN, DB1203224XZLN, DB1203248XZUN, DB1203248XZHN, DB1203248XZMN, DB1203248XZLN, DF0401005XZHN, DF0401005XZMN, DF0401005XZLN, DF0401012XZHN, DF0401012XZMN, DF0401012XZLN, DF0401505XZHN, DF0401505XZMN, DF0401505XZLN, DF0401512XZHN, DF0401512XZMN, DF0401512XZLN, DF0402012XZHN, DF0402012XZMN, DF0402012XZLN, DF0402012XZLN, DF0521512XZHN, DF0521512XZMN, DF0521512XZLN, DF0602012XZHN, DF0602012XZMN, DF0602012XZLN, DF0602024XZHN, DF0602024XZMN, DF0602024XZLN, DF0602048XZHN, DF0602048XZMN, DF0602048XZLN, DF0602512XZHN, DF0602512XZMN, DF0602512XZLN, DF0602524XZHN, DF0602524XZMN, DF0602524XZLN, DF0702505XZHN, DF0702505XZMN, DF0702505XZLN, DF0702505XZLN, DF0802505XZHN, DF0802505XZMN, DF0802505XZLN, DF0802512XZHN, DF0802512XZMN, DF0802512XZLN, DF0802524XZHN, DF0802524XZMN, DF0802524XZLN, DF0802548XZHN, DF0802548XZMN, DF0802548XZLN, DF0922505XZHN, DF0922505XZMN, DF0922505XZLN, DF0922505XZLN, DF0922524XZHN, DF0922524XZMN, DF0922524XZLN, DF0922548XZHN, DF0922548XZMN, DF0922548XZLN, DF0922548XZLN, DF1202505XZHN, DF1202505XZMN, DF1202505XZLN, DF1202512XZHN, DF1202512XZMN, DF1202512XZLN, DF1202524XZHN, DF1202524XZMN, DF1202524XZLN, DF1203812XZHN, DF1203812XZMN, DF1203812XZLN, DF1203824XZHN, DF1203824XZMN, DF1203824XZLN, DF1203848XZHN, DF1203848XZMN, DF1203848XZLN, DF1273812XZHN, DF1273812XZMN, DF1273812XZLN, DF1273824XZHN, DF1273824XZMN, DF1273824XZLN, DF1273848XZHN, DF1273848XZMN, DF1273848XZLN, DF1723812XZHN, DF1723812XZMN, DF1723812XZLN, DF1725112XZHN, DF1725112XZMN, DF1725112XZLN, DF0402812B2(B)N, DF0451012B1(C)N, DF0300612SE(A)N, DF0501012SE(C)N, DB0501512B2HN, DF0603812B2(C)N, DF0701512B2(D)N, DF0702512B2(E)N, DF0803812B2(A)N, DF0922512SE(B)N, DF0923212B2(C)N, DF1722548B2(F)N, DF0701512(A)(D)N, DF0601512(A)(C)N, DF0802524(A)(D)N, DF0922512B1(A), DF0922512B1(B)(C)N, DF0922524(A)(D)N, where XZ may be SE, B1, B2 or HC, (A) may be U or L, (B) may be U, H, M or L, (C) may be U, M or L, where (D) may be U or M, (E) may be H or L, (F) may be U or H, (A) may be SE, B1 or B2, (B) may be B1 or B2, (C) may be L, M, H or U, (D) may be L, M or H.

Models DS04010(Z)12(W)(V), D(Y)04210(Z)12(Q)(V), B(Y)04812(Z)12(K)(V), DS05010(Z)12(Q)(V), BA06015(Z)05E(V), DS08015(Z)12(Q)(V), D(Y)09225(Z)12(C)(V), D(Y)09225(Z)24(C)(V), D(Y)12032(Z)12(Q)(V), D(Y)12032(Z)24(Q)(V), 2B12038(Z)12(G)(V), 2B12038(Z)24(P)(V), 2B12038(Z)48(P)(V), B(Y)13391(Z)12(U)(V), B(Y)13391(Z)24(N)(V), B(Y)13391(Z)48(N)(V), D(Y)15051(Z)12(Q)(V), DB17251(Z)24(Q)(V), B(Y)18080(Z)48(U)(V), B(Y)18080(Z)48(I)(V) series, where (Z) may be A, B, C, G, S, T, R or P, (W) may be S, U, H, M or L, (V) may be XXXX, where X may be A through Z, 0 through 9, "-" or blank, (Y) may be A through Z or 0 through 9, (Q) may be U, H, M, L or E, (K) may be H, M or L, (C) may be F, S, U or H, (G) may be U, H or M, (P) may be S, U, H or M, (N) may be S or U, (I) may be G, F or S.

Models B(Y)03010(Z)05(J)(V), D(Y)03628(Z)12S(V), DB03628B12F(V), DB03628B12(A)(V), D(Y)04020(Z)24(K)(V), D(Y)05020(Z)24(K)(V), DS06025(Z)12(Q)(V), DS06038(Z)12(Q)(V), DS07015(Z)12(W)(V), DV07020(Z)12(W)(V), D(Y)09238(Z)24U(V), DS12025(Z)24(W)(V), DL08025(Z)12(K)(V), DL09225(Z)12(C)(V), 2(Y)08038(Z)12(P)(V), DAF09020(Z)12(W)(V), B(Y)06015(Z)12H(V), B(Y)07620(Z)12H(V), B(Y)08825(Z)12U(V), D(Y)12051(Z)12H(V), B(Y)17569(Z)24(M)(V), B(Y)17569(Z)48(C)(V) series, where (Y) may be A through Z or 0 through 9, (Z) may be A, B, C, G, S, T, R or P, (J) may be S, U, H or M, (K) may be S, U, H, M or L, (Q) may be S, U, H, M, L, E or X, (W) may be U, H, M, L or E, (C) may be U, H, M or L, (P) may be S, U, H, M, L or E, (M) may be H, M or L, (A) may be U or H, (V) may be XXXX, where X may be A through Z, 0 through 9, "-" or blank.

Models BATA1026(Z)2M(V) series, (Z) may be A, B, C, G, S, T, R or P, (V) may be XXXX, where X may be A through Z, 0 through 9, "-" or blank.

Models D(Y)04010(Z)12(M)(V), B(Y)TA0515(Z)2U(V), 2(Y)06038(Z)12(K)(V), 2B06038(Z)12L FAF, B8025(Z)12U(V), DT09238(Z)24H(V), DATA1238(Z)2(C)(V), DATA1238(Z)8(C)(V), DATA1525(Z)8(Q)(V) series, where (Y) may be A through Z or 0 through 9, (Z) may be A, B, C, G, S, T, R or P, (M) may be H, M or L, (K) may be H, M or L, (C) may be U, H, M or L, (Q) may be S, U, H, M, L, E or X, (V) may be XXXX, where X may be A through Z, 0 through 9, "-" or blank.

Models DA08020(Z)12U(V), DATA1238(Z)4(M)(V) series, where (M) may be U, H, M or L, (Z) may be A, B, C, G, S, T, R or P, (V) may be XXXX, where X may be A through Z, 0 through 9, "-" or blank.

Models DV04028(Z)12E(V), DA08025(Z)12(L)(V), DA08025(Z)24(L)(V), 2B08038(Z)24(J)(V), 2B08038(Z)48(J)(V), DB12738(Z)24(N)(V), DATA0625(Z)2(M)(V), DATA0625(Z)4(M)(V), DATA0625(Z)8(C)(V), DASA0832(Z)2U(V), DASA0832(Z)2(K)(V), DATA1225(Z)4(Q)(V), DATA1225(Z)8(Q)(V), DATA0625B4G(V) series, where (L) may be S, U, H or M, (J) may be S, U, H, M, L or E, (N) may be F, S, U, H, M, L or E, (K) may be H, M, L or E, (Q) may be G, F, S, U, H, M, L, E or X, (C) may be H, M, L, E or X, (M) may be F, S, U, H, M, L, E or X, (Z) may be A, B, C, G, S, T, R

or P, (V) may be XXXX, where X may be A through Z, 0 through 9, "-" or blank.

Models P6025(Z)24U-248, P1238(Z)24H-088, DS07025(Z)12S(V), DS07025(Z)12(F)(V), DA09238(Z)24H(V), DS09238(Z)12(H)(V), DATA1551(Z)8(A)(V), DATA1551(Z)8M(W), DATA2070(Z)4(J)(V), DATA2070B8(E)(V), DYTA2070B8(J)(V), DATA2070(Z)8(J)(V) series, where (Z) may be A, B, C, G, S, T, R or P, (E) may be G, F or E, (F) may be U, H, M, L or E, (H) may be U, H, M, L, E or X, (A) may be U, H or L, (J) may be S, U, H, M, L or E, (V) may be XXXX, where X may be A through Z, 0 through 9, "-" or blank, (W) may be XXXX, where X may be A through Z, 0 through 9, "-" or blank except for P002.

Models DD04010(Z)05U(V), DD05010(Z)24U(V), DS05020(Z)05(G)(V), DS05020(Z)05(P)(V), 2B06038(Z)48(B)(V), , BATA0515(Z)2(C)(V), BAKA0815(Z)5H(V), DATA1225(Z)2(D)(V) series, where (A) may be U, H, M or L, (B) may be S, H, M or L, (C) may be U, H or M, (D) may be G, F, S, U, H, M, L, E or X, (E) may be blank or P, (Z) may be A, B, C, G, S, T, R or P, (V) may be XXXX, where X may be A through Z, 0 through 9, "-" or blank.

Models BA03010(Z)12(A)(V), BN06015(Z)12H(V), 2B06038(Z)12G(V), 2B06038(Z)12U(V), 2B06038(Z)24(B)(V), DV06038(Z)48(C)(V), BA10033(Z)24(D)(V), DFTA0676(Z)2(E)(V), DSSC0715(Z)2(F)(V), DSSC0715(Z)2(F)(A)(V), DESC0715(Z)2(F)(V), DESC0715(Z)2(F)(A)(V), DASA0832(Z)4(G)(V), DATA1551(Z)4(A)(V), BA10033B24G(V), BA10033B24F(V), BA10033B24S(V), BA10033B24U(V) series, where (Z) may be A, B, C, G, S, T, R, P, (A) may be U, H, M or L, (B) may be S, H, M or L, (C) may be S, U, H or M, (D) may be H, M or L, (E) may be S or U, (F) may be U, H, M, L or E, (G) may be M, L or E, (V) may be XXXX, where X may be A through Z, 0 through 9, "-" or blank.

Model DATA0725B8S(V) series, where (V) may be XXXX, where X may be A through Z, 0 through 9, "-" or blank.

Model DBTA0420B2UP018; Models DBTA0420B2(A)(V), DBTA0420B2U(W), DBTA0825B2(B)(V), DBTA0825B4(K)(V), DBTA0825B8(K)(V), DATA0838B8U(V), DCTA0938B8(B)(V), DATA1338B8(C)(V) series, where (A) may be H, M, L or E, (B) may be U, H or M, (C) may be F, S, U, H, M, L or E, (K) may be U, H or M, (V) may be XXXX, where X may be A thru Z, 0 through 9, "-" or blank, (W)= XXXX where X may be A thru Z, 0 thru 9, "-" or blank, except for P018.

Models B6025B12S(V), T9025B24(A)(V), DB03828B12S(V), DA04015B24(B)(V), DK06025B12S(V), BA07015B05(C)(V), DS07025B12(D)(V), DS08025B24(E)(V), DF08080B12U(V), DS09225B12(F)(V), ~~DS12025B12(F)(V)~~, BATA0515B2U(V), DASA0925B2(G)(V), DESA0938B2(H)(V), DCTA0938B2(I)(V), DATB1238B2M(V), DATA1338B2(J)(V), DATA1338B4G(V), DATA1338B4(J)(V), DBTA1551B8(D)(V) series, where (V) may be XXXX, where X may be A through Z, 0 through 9, "-" or blank, (A) may be H, M or L, (B) may be U, H, M, L, E or X, (C) may be M, L, E or X, (D) may be S, U, H, M, L or E, (E) may be U, H, M or L, (F) may be U, H, M, L or E, (G) may be S, U, H, M or L, (H) may be H, M, L, E or X, (I) may be U, H or M, (J) may be F, S, U, H, M, L or E.

Models DBTA1225B8(Q)(V), DK03510B05(R)(V), DNSA0620B2(S)(V), DFTA0456B2(T)(V), where (Q) may be S, U, H, M, L, (R) may be U, H, M, L, (S) may be S, U, H, M, L, E, (T) may be U, H, M, (V) may be XXXX, where X may be A through Z, 0 through 9, "-" or blank.

Model BAKA9318B4H(V) series, where (V) may be XXXX, where X may be A through Z, 0 through 9, "-" or blank.

Model BATA1025B8S(V) series, where (V) may be XXXX, where X may be A through Z, 0 through 9, "-" or blank.

Models DATA0625B2G(V), DAKA0638B2(B)(V), DAKA0638B4(B)(V), DFTA0656B2(C)(V), BA07015B12(A)-S02, DBTA1225B2(A)(V), DBTA1225B4(A)(V) series, where (A) may be S, U, H, M or L, (B) may be U, H, M or L, (C) may be F, S or U, (V) may be XXXX, where X may be A through Z, 0 through 9, "-" or blank.

Models DASA0420R2(A)(V) series, where (A) may be U, H, M or L, (V) may be XXXX, where X may be A through Z, 0 through 9, "-" or blank.

Models DA06010B05(A)(V), BA12032B24(B)(V), DAKA0310B3(C)(V), DAKA0420B2(D)(V), DAKA0510B3(E)(V), DAKB0625B2(F)(V), DAKB0625B4(G)(V), DASC0715R2(H)(V), DAKB0925B4(C)(V), DASD0925R2(B)(V), BASA1025B2(C)(V), DBTA1551B4(I)(V), DBTA1551B8(J)(V) series, where (A) may be M, L or E, (B) may be H, M or L, (C) may be U, H, M or L, (D) may be F, S, U, H or M, (E) may be S, U, H, M or L, (F) may be F, S, U, H, M, L or E, (G) may be S, U, H or M, (H) may be U, H, M, L or E, (I) may be S, U, H, M, L or E, (J) may be G or F, (V) may be XXXX, where X may be A through Z, 0 through 9, "-" or blank.

Models DATA0832B2(A)(V), DATA0832B4(A)(V), DATA0832B8(A)(V) series, where (A) may be G, F, S, U, H, M or L, (V) may be XXXX, where X may be A through Z, 0 through 9, "-" or blank.

Models DA05015B05(A)(V), DASA0620B2(B)(V), DSSD0715R2(A)(V), DAKA0825B2(A)(V), DASA0825B2(C)(V), DATA0838B2(D)(V), DAKA0925B2(A)(V), DAKA0925B4(C)(V), DASB0925B2(A)(V), DATA1232B2(A)(V), DATA1232B4(A)(V), DATA1232B8(A)(V), DATC1238R2M(V), DBTB1238B2S(V), DBTB1238B2(E)(V), DBTB1238B4F(V), DBTB1238B4(F)(V), DBTB1238B8F(V), DBTB1238B8(F)(V), DATB1338B2(G)(V), DATB1338B4(G)(V), DATB1338B8(G)(V), DBTA1551B2(H)(V) series, where (A) may be U, H, M, L or E, (B) may be S, U, H, M, L or E, (C) may be U, H, M or L, (D) may be F, S, U or H, (E) may be U, H or M, (F) may be S, U, H or M, (G) may be F, S, U, H, M, L or E, (H) may be H, M, L or E, (V) may be XXXX, where X may be A through Z, 0 through 9, "-" or blank.

Model BNTA0613R2H(V) series, where (V) may be XXXX, where X may be A through Z, 0 through 9, "-" or blank.

Models DBTA0428B2(A)(V), BATB0515B2(B)(V), DASA0610B2(C)(V), BATA0812R5HP00(H), DASB0825B2(D)(V), DATA0838B4(E)(V), DATA0838B8(F)(V), DBTB0838B2S(V), DYTBO838B2G(V), DYTBO838B2S(V), DASC0925R2(C)(V), DASE0925R2(C)(V), DATA1525B2(G)(V), DATA1525B4(G)(V) series, where (A) may be S, U, H, M or L, (B) may be S, U, H or M, (C) may be U, H, M, L or E, (D) may be U, H, M or L, (E) may be S, U or H, (F) may be S or H, (G) may be S, U, H, M, L, E or X, (H) may be 1 or 2, (V) may be XXXX, where X may be A through Z, 0 through 9, "-" or blank.

Model BATA1015R5H(V) series, where (V) may be XXXX, where X may be A through Z, 0 through 9, "-" or blank.

Models BATA0817R2H(V), BASA0819R5U(V), BASA0819R5H(V), BASA0819R5M(V), BASA0819R5L(V) series, where (V) may be XXXX, each X may be A through Z, 0 through 9, "-" or blank.

Models BATA0715R5H(V), BNTA0815R5H(V), and BATA0715R5M(V) series, where (V) may be xxxx, where x may be A through Z, 0 through 9, "-" or blank.

Models BASA0510R5(X)(V), BASA0720B2(X)(V) series, where (X) may be U, H, M or L, (V) may be xxxx, where x may be A through Z, 0 through 9, "-" or blank.

Model BASA0710R2(X)(V) series, where (X) may be U, H, M or L, (V) may be xxxx, where x may be A through Z, 0 through 9, "-" or blank.

Models DATB0938B8(A)(V), DBTB1551B8G(V) series, where (A) may be U, H or M, (V) may be XXXX, where X may be A through Z, 0 through 9, "-" or blank.

Models BN13391B24F(V), BN2599B48(A)(V), DATA0625B8(B)(V), DATB0625B2(C)(V), DATB0625B4(C)(V), DATB0625B8(C)(V), BATA0832B2U(V), DBTA0838B2G(V), DBTA0838B4G(V), DYTBO925B2F(V), DCTA1238B2S(V), DYTBT1238B2S(V) series, where (A) may be H or M, (B) may be G, F, S or U, (C) may be F, S, U, H, M, L or E, (V) may be XXXX, each X may be A through Z, 0 through 9, "-" or blank.

Models BASA0509R5(A)(V), DSSE0715R2(B)(V), BASA0725R2U(V), BASA0725R2(F)(V), DASC0825B2(A)(V), DASA0925R2(B)(V), DASB0925R2(C)(V), DESA0925R2(B)-001, DESA0925R2(C)-002, DESA0925R2(D)-003, DASA1225B2(D)(V), DASB1225B2(C)(V) series, where (A) may be U, H, M or L, (B) may be U, H, M, L or E, (C) may be H, M, L or E, (D) may be M, L or E, (F) may be H, M or L, (V) may be XXXX, where X may be A through Z, 0 through 9, "-" or blank.

Models DAKA0410B2(a)(V), DAKA0428B2(b)(V), DAKB0428B2(a)(V), DAKA0625B2(a)(V), DAKA0625B4(a)(V), DAKA0825B4(c)(V), DAKA1238B2(a)(V), DAKA1238B4(d)(V), DAKA1238B8(d)(V) series, where (a) may be U, H, M, L or E, (b) may be U, H, M, L, E or X, (c) may be S, U, H, M, L or E, (d) may be H, M, L or E, (e) may be M, L or E, (V) may be XXXX, each X may be A through Z, 0 through 9, "-" or blank.

Model BNKA0310S5M(V) series, where (V) may be XXXX, where X may be A through Z, 0 through 9, "-" or blank.

Models DATA0825B8S(V), DATA0825B8U(V), DATA0825B8H(V), DATA0825B8M(V) series, where (V) may be XXXX, where X may be A through Z, 0 through 9, "-" or blank.

Models BAKA0615R2H(V), BAKB0615R2H(V), BAKA0722B2H(V), BAKA0822B2H(V), BAKA0825B2H(V), BAKA0922B2H(V) series, where (V) may be XXXX, where X may be A through Z, 0 through 9, "-" or blank.

Models BASA0406R5(A)(V), BASA0815R2(C)(V), BASA0817R2(C)(V), DATA0838B8E(V), BAKA0925B2H(V) series, where (A) may be U, H or M, (C) may be M, L or E, (V) may be XXXX, where X may be A through Z, 0 through 9, "-" or blank.

Models BATA0610R5H(V), DYTBO925B8F(V), DYTBO925B8S(V), DYTBO925B8H(V), DYTBO925B8M(V), DYTBO925B8U(V) and BATA0610R5U(V) Series, where (V) may be XXXX, where X may be A through Z, 0 through 9, "-" or blank.

Models DASD0720T2(C)(V), DS04010B24(A)(V), DS08020B48(B)(V), DASA0310R2(C)(V), DASA0510B2(B)(V), DASA0510R2(B)(V), BNTA0712R5H(V), BASA0815R5(D)(V), DASD0825B2(E)(V), BATA0912R5H(V), DAPA1525B8X(V), DAPB1751B8L(V) series, where (A) may be S or U, (B) may be U, H, M, L or E, (C) may be U, H, M or L, (D) may be M, L or E, (E) may be F, S, U, H or M, (V) may be XXXX, where X may be A through Z, 0 through 9, "-" or blank.

Models BASB0510R2(A)(V), DATA0307R5H(V) series, where (A) may be U, H or M, (V) may be XXXX, where X may be A through Z, 0 through 9, "-" or blank.

Models BNTA0610R5H(V), BATA0716R2H(V), BATA0822R2H(V) series, where (V) may be XXXX, where X may be A through Z, 0 through 9, "-" or blank.

Models DS08015R05(A)(V), DASA0815R2(B)(V), DASE0825T2(C)(V), DFTA0880B2U(V), DASA1238B2(D)(V), BNTA2589B8(E)(V), BASA5508R5(C)(V) series, where (A) may be H, M or L, (B) may be U, H, M, L or E, (C) may be U, H, M or L, (D) may be S, U, H, M, L or E, (E) may be H or M, (V) may be XXXX, where X may be A through Z, 0 through 9, "-" or blank.

Models BATA0607R5H(V), BASA0825R2(A)(V), BASB0825R2(A)(V) series, where (A) may be H, M, L or E, (V) may be XXXX, where X may be A through Z, 0 through 9, "-" or blank.

Models BAKA0825R2H(V), BAKA0922R2H(V) series, where (V) may be XXXX, where X may be A through Z, 0 through 9, "-" or blank.

Models DA05015B12S(V), BASA0615R2(A)(V), BASA0714R2(B)(V), BASB0615B2(F)(V), DATB0825B2(G)(V), BASA0819R2(E)(V) series, where (A) may be H, M, L or E, (B) may be U, H, M, L or E, (E) may be U, H, M or L, (F) may be M or L, (G) may be S, U, H or M, (V) may be xxxx, where x may be A through Z, 0 through 9, "-" or blank.

Models BASA0712R5(A)(V), BASA0609R5(X)(V), BAKA0812R2U(W), BAKA0812R2UP003 series, where (A) may be H, M or L, (X) may be U, H, M or L, (V) may be XXXX, where X may be A through Z, 0 through 9, "-" or blank; (W) may be XXXX, where X may be A through Z, 0 through 9, "-" or blank, except for P003.

Model DYTBO638B8U(V) series, where (V) may be XXXX, where X may be A through Z, 0 through 9, "-" or blank.

Models DFTA0348B2S(V), DFTA0348B2U(V), DFTA0448B2(A)(V), DFTB0456B2U(V), DFTA0676B4(B)(V), BASB0712R5(C)(V), DASA0715R2(D)(V), BASB0817R2(E)(V) series, where (A) may be S, U, H or M, (B) may be S or U, (C) may be H, M or L, (D) may be U, H, M, L or E, (E) may be M, L or E, (V) may be XXXX, where X may be A through Z, 0 through 9, "-" or blank.

Models DFTA0880Y2U(V), DBTA0328B2(A)(V) series, where (A) may be S, U, H, M, L or E; (V) may be xxxx, where x may be A through Z, 0 through 9, "-" or blank.

Models DA04015B05(A)(V), DS04020B05(A)(V), DASA0410B5(A)(V), DASA0410B2(B)(V), DASA0410R2(A)(V), DASB0410R2(C)(V), DASB0510B2(D)(V), DASA0615R2(E)(V), DASA0820R2(F)(V), DATA0825B2(G)(V), DATA0825B4(G)(V), DASC0925B2(D)(V), BASA1120R2(H)(V) series, where (A) may be U, H, M or L, (B) may be S, U, H, M or L, (C) may be U, H or M, (D) may be H, M, L or E, (E) may be S, U, H, M, L or E, (F) may be U, H, M, L or E, (G) may be S, U or H, (H) may be M, L or E, (V) may be XXXX, where X may be A through Z, 0 through 9, "-" or blank.

Models DASA0210R5(A)(V), BASA0712R2(B)(V), DBTB1225B8F(V) series, where (A) may be U, H, M or L, (B) may be H, M, L or E, (V) may be XXXX, where X may be A through Z, 0 through 9, "-" or blank.

Models BATA0507R5U(V), BATA0507R5H(V), BATA0812R5H(Y), DBTA0638B2S(W), BAKA0812R2UP003, DBTA0638B2U(V), DBTA0638B2H(V), DBTA0638B2M(V), DBTA0638B2L(V), DBTA0638B4(A)(V), DBTA0638B8(A)(V) series, where (A) may be S, U, H, M or L, (V) may be XXXX, where X may be A through Z, 0 through 9, "-" or blank; (W) may be XXXX, where X may be A through Z, 0 through 9, "-" or blank, except for PK01; (Y)

may be XXXX, where X may be A through Z, 0 through 9, "-" or blank, except for P001 and P002; Model DBTA0638B2SPK01.

Models DATA0420B2(A)(V), DASB0815B2(B)(V), DV09238B48S(V), DBTB1225B2F(V) series, where (A) may be S, U, H, M or L, (B) may be U, H, M, L or E, (V) may be XXXX, where X may be A through Z, 0 through 9, "-" or blank.

Models DBTA0420B5(A)(V), DBTB0428B2(B)(V), DASB0815R2(C)(V), BATA1024B2H(V), BNTA1025B2U(V), DYTf1238B8H(V), DATC1551B8S(V) series, where (A) may be M, L, E or X, (B) may be S, U, H or M, (C) may be U, H, M, L or E, (V) may be XXXX, where X may be A through Z, 0 through 9, "-" or blank.

Models BATA0507R5M(V), DFTB0880B8(A)(V), DBTA1338B8H(V), BNTA1769Y8U(V), and BNTA1769Y8F(V) series, where (A) may be U, H, M or L; and (V) may be XXXX, where X may be A through Z, 0 through 9, "-" or blank.

Models BASA0407R5(A)(V) series, where (A) may be S, U or H; and (V) may be XXXX, where X may be A through Z, 0 through 9, "-" or blank.

Model BASB1125R2(A)(V) series, where (A) may be U, H or M; and (V) may be XXXX, where X may be A through Z, 0 through 9, "-" or blank.

Models DASf0925R2(A)(V), DASG0925R2(B)(V) series, where (A) may be H, M, L or E; (B) may be U, H or M; and (V) may be XXXX, where X may be A through Z, 0 through 9, "-" or blank.

Model BASA1225R2(A)(V) series, where (A) may be U, H or M; and (V) may be XXXX, where X may be A through Z, 0 through 9, "-" or blank.

Models DA06010B24(A)(V), DV09238B48(B)(V), DATA0307R2S(V), DAKA0428R2(C)(V), DBTB0428B2F(V), DASA0510B5(A)(V), DBTC0638B2(C)(V), DASC0815B2(D)(V), DYTf1238B4(C)(V) series, where (A) may be U, H, M or L; (B) may be U or H; (C) may be S, U, H or M; (D) may be U, H, M, L or E; and (V) may be XXXX, where X may be A through Z, 0 through 9, "-" or blank.

Model DATA1551B8MP002 and Models DBTD1551B8U(V) series, where (V) may be XXXX, where X may be A through Z, 0 through 9, "-" or blank.

Models DFPA0856B2(A)(V) series, where (A) may be U, H, M, L or E; and (V) may be xxxx, where x may be A through Z, 0 through 9, "-" or blank.

Models DASC0410B2(A)(V), BATA0613R5H(V), DBTA0838B8G(V), and DBPA1751B2S(V) series, where (A) may be U, H, M or L; (V) may be xxxx, where x may be A through Z, 0 through 9, "-" or blank.

Models DS05015B05(A)(V), BATA0710R5H(V), BASA0715B2(A)(V), DAKA1225R2(B)(V), DAKB1225R2(B)(V), DAKA1425R2(B)(V), and BATA0710R5M(V) Series, where (A) may be U, H, M or L; (B) may be M or L; (V) may be xxxx, where x may be A through Z, 0 through 9, "-" or blank.

Models BATA0716R5H(V), BATA0807R5H(V), BASB0815R5(X)(V), DAZA0825RC(X)(V), BAZA1033RC(Y)(V), and DAZA1225RC(Z)(V) series, where (X) may be U, H or M; (Y) may be U or H; (Z) may be U, H or L; (V) may be xxxx, where x may be A through Z, 0 through 9, "-" or blank.

Models BASB0925R2(A)(V), DBTA0938B2U(V), BASB1825R2(A)(V) series, where (A) may be U, H or M; (V) may be xxxx, where x may be A through Z, 0 through 9, "-" or blank.

Models DBTA0938B8(A)(V) and DYTH1238B8F(V) series, where (A) may be F, S, U, H or M; (V) may be xxxx, where x may be A through Z, 0 through 9, "-" or blank.

Model BATA0815R5H(V) series, where (V) may be xxxx, where x may be A through Z, 0 through 9, "-" or blank.

Models DBTD0428B2(A)(V), DBKA0456B2(B)(V), DASA0515R2(C)(V), DAZA0515RC(C)(V), DAPA0625B2(D)(V), BASB0625B2(E)(V), BASB0710R5(F)(V), DASB0810R2(E)(V), DASf0825B2(E)(V), BAKA0925R2H(V), DYTb0925B2M(V), BATA0712R5H(V), DBTB1225B4(G)(V), DBTD1551B8(B)(V), BASA1625R2(H)(V), BASA1825R2(F)(V) series, where (A) may be F, S, U, H, M or L; (B) may be H, M or L; (C) may be U, H, M or L; (D) may be S, U, H, M or L; (E) may be U, H or M; (F) may be H or M; (G) may be F, S or U; (H) may be U or H; (V) may be xxxx, where x may be A through Z, 0 through 9, "-" or blank.

Low voltage fans, Models 1225-12, -24, 1238-12 followed by H, L or M, may be followed by H, L or M, followed by B or S, may be followed by A, B, C, T or X, may be followed by one suffix letter.

Models DBKA0456R2(A)(V), BASC0712R2(B)(V), BASB0715R2(C)(V), DASA0720B2(C)(V), BATA0810R5H(V), BASA0920R2(D)(V), BAKB0922R2H(V), DAKA0938R4(C)(V), BASB1025B2(E)(V), and BASA1125R2(D)(V) series, where (A) may be U, H, M or L; (B) may be H, M or L; (C) may be U, H, M or L; (D) may be U, H or M; (E) may be U, H, M, L or E; and (V) may be XXXX, where X may be A through Z, 0 through 9, "-" or blank.

Models 0420-5(B)(C)(D), 0420-12(B)(C)(D), 0615-12(B)(C)(D), 0615-24(B)(C)(D), 0620-12(B)(B)(D), 0620-24(B)(B)(D), 0625-12(B)(B)(D), 0625-24(B)(B)(D), 0815-12(B)(C)(D), 0815-24(B)(C)(D), 0825-12(B)(C)(D), 0825-24(B)(C)(D), 0925-12(B)(C)(D)N7, 0925-12(B)(C)(D)B7, 0925-24(B)(C)(D)N7, 0925-24(B)(C)(D)B7, 1225-12(B)(B)(D)N7, 1225-12(B)(B)(D)B7, 1225-24(B)(B)(D)N7, 1225-24(B)(B)(D)B7, 1238-12(B)(B)(D)N7, 1238-24(B)(B)(D)B3, 1238-24(B)(B)(D)B7, 5215-5(B)(B)(D), 5215-12(B)(B)(D), where (A) may be 5, 12 or 24, (B) may be H, L or M, (C) may be B or S, (D) may be A, AA, B, BA, T, TA, TL or X.

Model DS8038-12HBP(A)-(B) Series, where (A) may be blank, A or L, (B) may be blank or 01 through 99; Model D(Y)12038(Z)12(C)(V) series, where (Y) may be A through Z or 0 through 9, (Z) may be A, B, C, G, S, T, R or P, (C) may be U, H, M, L or E, (V) may be XXXX, where X may be A through Z, 0 through 9, "-" or blank.

Models B(Y)07525(Z)12(X)(V), B(Y)07525(Z)24(X)(V), D(Y)08015(Z)24(W)(V) series, where (Y) may be A through Z or 0 through 9, (Z) may be A, B, C, G, S, T, R or P, (X) may be H, M or L, (W) may be U, H, M, L or E, (V) may be XXXX, where X may be A through Z, 0 through 9, "-" or blank.

Models D(Y)06013(Z)12(Q)(V), B(Y)04506(Z)05(E)(V) Series, where (Q) may be U, H, M, L or E, (E) may be H, M or L, (Y) may be A through Z or 0 through 9, (Z) may be A, B, C, G, S, T, R or P, (V) may be XXXX, where X may be A through Z, 0 through 9, "-" or blank.

Models B(Y)04812(Z)05H(V), B(Y)06512(Z)05H(V), D(Y)06076(Z)12U(V), B(Y)12054(Z)24F(V), B(Y)12054(Z)24S(V), B(Y)12054(Z)24U(V), B(Y)12054(Z)24H(V) Series, where (Y) may be A through Z or 0 through 9, (Z) may be A, B, C, G, S, T, R or P, (V) may be XXXX, where X may be A

through Z, 0 through 9, "-" or blank.

Models DD12038B12(E)(V), DS12038(Z)12(F)(V), D(Y)08020(Z)12(D)(V), D(Y)17251(Z)48(E)(V), DA17251B12H(V), DA17251B12M(V), DA17251B12L(V), DA17251B24(E)(V) Series and Model BN06015B12HP003, where (D) may be U, H, M, L, E or X, (E) may be U, H, M or L, (F) may be U, H, M, L or E, (Y) may be A through Z or 0 through 9, (Z) may be A, B, C, G, S, T, R or P, (V) may be XXXX, where X may be A through Z, 0 through 9, "-" or blank.

Models D(Y)12738(Z)12(A)(V), F7015(Z)12S(V), B(Y)04008(Z)05(B)(V), D(Y)09238(Z)24(B)(V), D(Y)09225T12(C)(V), D(Y)07038(Z)12(D)(V), 2(Y)12038(Z)48(E)(V), D(Y)04056(Z)12U(V) Series, where (A) may be F, S, U, H, M, L or E, (B) may be H, M or L, (C) may be U, H, M, L or E, (D) may be U, H, M, L, E or X, (E) may be U, H or M, (Y) may be A through Z or 0 through 9, (Z) may be A, B, C, G, S, T, R or P, (V) may be XXXX, where X may be A through Z, 0 through 9, "-" or blank.

Models DD12038(Z)48(A)(V) series, where (A) may be H, M, L or E, (Z) may be A, B, C, G, S, T, R or P, (V) may be XXXX, where X may be A through Z, 0 through 9, "-" or blank.

Models D(Y)05020(Z)12(A)(V), D(Y)04020(Z)12(A)(V), B(Y)06015(Z)05(B)(V), B(Y)06015(Z)12(B)(V), D(Y)06038(Z)24(C)(V), D(Y)08025(Z)12H(V), 2(Y)12038(Z)24(D)(V) Series, where (Y) may be A through Z or 0 through 9, (Z) may be A, B, C, G, S, T, R or P, (A) may be S, U, H, M or L, (B) may be H, M or L, (C) may be H, M, L, E or X, (D) may be U, H, M or L, (V) may be XXXX, where X may be A through Z, 0 through 9, "-" or blank.

Model B(Y)08825B12H(V) series where (Y) may be A through Z or 0 through 9, (V) may be XXXX, where X may be A through Z, 0 through 9, "-" or blank.

Models D(Y)04010(Z)12X(V), D(Y)04209(Z)12H(V), DD05010(Z)05U(V), DD05010(Z)12(R)(V), DN05010(Z)12X(V), DA07015(Z)12(Q)(V), DE07015(Z)12(Q)(V), DV04028(Z)24(Q)(V), BA07530(Z)24H(V), DB04028(Z)24(R)(V), 2(Y)09238(Z)12(W)(V), 2(Y)09238(Z)24(W)(V), 2(Y)09238(Z)48(W)(V), D(Y)15051(Z)48S(V), D(Y)15051(Z)48(Q)(V), DB17251(Z)48S(V), DB17251(Z)48(Q)(V), D(Y)14050(Z)24(R)(V), D(Y)14050(Z)48(R)(V), 2(Y)12038(Z)12(I)(V), D(Y)08025(Z)48(T)(V) series, where (Y) may be A through Z or 0 through 9, (Z) may be A, B, C, G, S, T, R or P, (W) may be S, U, H, M, L or E, (R) may be U, H, M or L, (Q) may be U, H, M, L or E, (I) may be U, H or M, (T) may be S, U, H or M, (V) may be XXXX, where X may be A through Z, 0 through 9, "-" or blank.

Model DB04028(Z)12U(V) series, where (Z) may be A, B, C, G, S, T, R or P, (V) may be XXXX, where X may be A through Z, 0 through 9, "-" or blank.

Models BASB0817R5M(V), BASB0817R5L(V), BASB0817R5E(V), BASB1120R2U(V), BASB1120R2H(V), BASB1120R2M(V) series, where (V) may be XXXX, where X may be A through Z, 0 through 9, "-" or blank.

Models DBTB0638B8H(V), BASB0815R2(X)(V), DATB1238B8(Y)(V) series, where (X) may be U, H or M; (Y) may be F, S or U; (V) may be XXXX, where X may be A through Z, 0 through 9, "-" or blank.

Models DS06025B24(Y)(V), and BASA1025R2(X)(V) series, where (X) may be U, H or M; (Y) may be U, H, M or L; (V) may be XXXX, where X may be A through Z, 0 through 9, "-" or blank.

Model DB12038B24HS009; and Models BA18080B24U(V), DAKA0825R4(A)(V), DYT0838B2(B)(V), BAKA1232B2(B)(V), BNTA32C0B8L(V) series, where (A) may be H, M or L; (B) may be U, H or M; (V) may be xxxx, where x may be A through Z, 0 through 9, "-" or blank.

Models DYT0838B2(B)(V), and DBTB2070B8S(V) series, where (A) may be U, H, M, L or E; (V) may be xxxx, where x may be A through Z, 0 through 9, "-" or blank.

Models DARH0625R2(A)(V), DARH0820R2(A)(V) series, where (A) may be U or H; (V) may be xxxx, where x may be A through Z, 0 through 9, "-" or blank.

Models BNTA0612R5H(V), BATA0805R5U(V) series, where (V) may be xxxx, where x may be A through Z, 0 through 9, "-" or blank.

Models DFPA0880B2U(V) and DFPA0880B8U(V) series, where (V) may be xxxx, where x may be a through z, 0 through 9, "-", or blank.

Models BATA0707R5H(V), DATC0825B2(X)(V), DAKA0932R4(Y)(V), BNTA1025B2H(V), DAPA1232B8U(V), DBPA1232B8S(V), DYPA1238B8(Z)(V), BNTA2271B8H(V), DAKA0825R4U(V) Series, where (X) may be G, F, S, U, H or M; (Y) may be U, H, M or L; (Z) may be S, U, H, M or L; and (V) may be xxxx, where x may be A through Z, 0 through 9, "-" or blank.

Models DYPA1238B2U(V) series, where (V) may be xxxx, where x may be A through Z, 0 through 9, "-" or blank.

Models DASA0510R5(A)(V), DAZA0625B2(B)(V), BASA0813R5(C)(V) and DASF0825B5(C)(V) series, where (A) may be U, H, M or L; (B) may be U, H, M, L, E or X; (C) may be U, H or M; (V) may be xxxx, where x may be A through Z, 0 through 9, "-" or blank.

Model BAAA0505R5U(V) series, where (V) may be xxxx, where x may be A through Z, 0 through 9, "-" or blank.

Marking: Company name or tradename "DATECH" and model designation.

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Fans, Electric Certified for Canada - Component

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E158191

7TH FL-3
24 WU-CHUAN 2ND RD
HSIN CHUANG DISTRICT
NEW TAIPEI, 242 TAIWAN

AC fans, Models AS8025-V1(X), AS8038-V1(Y), AS9225-V1(X), AS9238-V1(Y), AS12025-V1(Y), AS12038-V1(X), where (X) may be M or L, (Y) may be H, M or L.

Models AS8025-V2(X), AS8038-V2(Y), AS9225-V2(X), AS9238-V2(Y), AS12025-V2(Y), AS12038-V2(X), where (X) may be M or L, (Y) may be H, M or L.

Models AE17251-V1(X)B, AE17251-V1(Y), AS20572-V1H, AR25489-V1H, AR25489-V1M, where (X) may be M or L, (Y) may be H, M or L.

Models AE17251-V2(X)B, AE17251-V2(Y), AS20572-V2H, AR25489-V2H, AR25489-V2M, where (X) may be M or L, (Y) may be H, M or L.

Models AE17251-V1HB, -V2HB, AS12038-V1H, -V2H, AS8025-V1H, -V2H, AS9225-V1H, -V2H.

Models D6KA1751BAH5Y(V), D6KA1751BBH5Y(V) series, where (V) may be XX, each X may be A through Z or 0 through 9

Models P1133HSLF, P2133HSLF, P2133HBL, P2133HBT.

Models P1259MBT, P1259MBL, P2259MBT, P2259MBL.

Models P1175HB(Y)-EF, P2175HB(Y)-EF, D3KA1738BAH5W(V), D3KA1738BBH5W(V), D6KA1738BAH5W(V), D6KA1738BBH5W(V), D3KA1751BAH5W(V), D3KA1751BBH5W(V), D6KA1751BAH5W(V), D6KA1751BBH5W(V) series, where (V) may be XX, each X may be A through Z or 0 through 9

Model D3KA1755BBH5W(V) series, where (V) may be XX, each X may be A through Z or 0 through 9, except for T.

Models D7KA1889BBH5Y(V), D7KA1889BAH5Y(V), D7KA0825SAH7Z(V) series, where (V) may be XX, each X may be A through Z or 0 through 9.

Models D4KA1238BAH5W(V), D4KA1238SAH5W(V), D4KA1238BBH5W(V), D4KA1238SBH5W(V) series, where (V) may be XX, each X may be A through Z or 0 through 9.

Models D7KA1238BAH5W(V), D7KB1238BAH5W(V), D7KB1238BBH5W(V), D7KC1238BBH5W(V) series, where (V) may be XX, each X may be A through Z or 0 through 9.

Models B5AA1968BBH3W(V), D3KB1738BAH3W(V), D3KB1738BBH3W(V), D3KA1755BAH3W(V), D3KB1755BBH3W(V), ACDA1755BBH7W(V) Series, where (V) may be XX, each X may be A through Z or 0 through 9.

Models B5AA2271BBH3W(V), D4KA2280BBH3W(V), ACDA2280BBH7W(V) Series, where (V) may be XX, each X may be A through Z or 0 through 9.

Models D5KA2380BBH3W(V), D4KA2880BBH3W(V), ACDA2880BBH7W(V) Series, where (V) may be XX, each X may be A through Z or 0 through 9 or blank.

Models B2AA18M5BBH3W(V), B5AA2299BBH3W(V), ACBA2299BBH7W(V), B5AA2589BBH3W(V) series, where (V) may be XX, each X may be A through Z or 0 through 9 or blank.

Models D3KC1751BBH3W(V), ACDA2085BBH3W(V), D3KC1751BAH3W(V) series, where (V) may be XX, each X may be A through Z or 0 through 9 or blank.

Models ACBA1307BBH3W(V) and ACBA1309BBH3W(V) series, where (V) may be XX, each X may be A through Z or 0 through 9 or blank.

DC fans, Models AVCHSF4510, HS4010-B.

Models AVCHSF4010, AVCHSF4510, AVCHSF5210, AVCHSF6010, AVCHSF8010, AVCHSF9010.

Models CF41501, CF42401, CF42501, CF43401, CF43501, CF45401, CF46401, HS4010-B, HS5010-B1, -B2, -B3, -B4, Models B8025 Series, C5010

Series, E9025 Series, F6015 Series, F9025 Series.

Models (L)2510(Z)05M(Y), C2510(Z)12M(Y), C2510(Z)12L(Y), C3010(Z)05L(Y), (L)3010(Z)05M(Y), D3010(Z)05L(Y), (L)3010(Z)12M(Y), (L)3507(Z)05M(Y), C3507(Z)05L(Y), D3507(Z)05L(Y), C4007(Z)05(C)(Y), D4007(Z)05M(Y), (L)4007(Z)12H(Y), (L)4010(Z)05(B)(Y), (M)4010(Z)12(X)(Y), F4010(Z)12(B)(Y), (L)4010(Z)24(B)(Y), D4407(Z)12L(Y), D4407(Z)05(C)(Y), (L)4407(Z)12M(Y), (L)4510(Z)12(X)(Y), (M)4510(Z)12(X)(Y), F4510(Z)12(B)(Y), (M)5010(Z)05(A)(Y), (M)5010(Z)12(X)(Y), F5010(Z)12(B)(Y), F5011(Z)05(A)(Y), (M)6010(Z)12(X)(Y), F6010(Z)12E(Y), F6010(Z)24(A)(Y), B6015(Z)12(X)(Y), (L)6015(Z)12E(Y), E6015(Z)12H(Y), (M)6015(Z)24(B)(Y), F6015(Z)24(A)(Y), C6025(Z)12(B)(Y), C6025(Z)12E(Y), (O)6025(Z)12(A)(Y), E6025(Z)12H(Y), (O)6025(Z)24(B)(Y), C6025(Z)24(B)(Y), C6025(Z)12E(Y), E6025(Z)24H(Y), (P)6025(Z)48(B)(Y), (Q)8025(Z)12(X)(Y), C8025(Z)12(B)(Y), F8025(Z)12E(Y), E8025(Z)12H(Y), (L)8025(Z)24(B)(Y), B8025(Z)24(A)(Y), C8025(Z)48H(Y), D9025(Z)12(B)(Y), D9025(Z)12E(Y), B9025(Z)12(X)(Y), E9025(Z)12H(Y), (L)9025(Z)24(B)(Y), (N)9025(Z)24(A)(Y), (N)1225(Z)12(A)(Y), E1225(Z)12(D)(Y), B1225(Z)24(B)(Y), F1225(Z)24(A)(Y), B1225(Z)48(B)(Y), B1238(Z)12(A)(Y), B1238(Z)24(B)(Y), F1238(Z)24(A)(Y), E1238(Z)24(D)(Y), B1238(Z)48(B)(Y), D2510(Z)12L(Y), where (A) may be H, M, L or E, (B) may be H, M or L, (C) may be M or L, (D) may be U or H, (X) may be U, H, M, L, E or X, (L) may be C or D, (M) may be B, C or D, (N) may be B or F, (O) may be B, D or F, (P) may be B, C or F, (Q) may be B or D, (Z) may be A, B, C, S, T, R or P, (Y) may be XXXX, where X may be A through Z, 0 through 9, blank or "-".

Models B6015(Z)07M(Y), F3820(Z)12(A)(Y), F7015(Z)12(X)(Y), C7015(Z)12(X)(Y), where (Z) may be A, B, S, T, R or P, (A) may be U, H, M or L, (X) may be U, H, M, L or E, (Y) may be XXXX, where X may be A through Z, 0 through 9, blank or "-".

Models C6015(Z)12(X)(Y), D6015(Z)12(X)(Y), where (Z) may be A, B, S, T, R or P, (X) may be H, M or L, (Y) may be XXXX, where X may be A through Z, 0 through 9, blank or "-".

Models B4020(Z)12H(Y), B4020(Z)12M(Y), B4020(Z)12L(Y), B5010(Z)12X(Y), B8025(Z)24U(Y), C4020(Z)24H(Y), where (Z) may be A, B, S, T, R or P, (Y) may be XXXX, where X may be A through Z, 0 through 9, blank or "-".

Models C5515(Z)12E(Y), C5515(Z)12H(Y), C5515(Z)12L(Y), C5515(Z)12M(Y), C9025(Z)12L(Y), C9025(Z)12M(Y), C9025(Z)12H(Y), C6015(Z)12E(Y) where (Z) may be A, B, S, T, R or P, (Y) may be XXXX, where X may be A through Z, 0 through 9, blank or "-".

Models D5515(Z)12(X)(Y), D2510(Z)12H(Y), where (Z) may be A, B, S, T, R or P, (X) may be H, M, L or E, (Y) may be XXXX, where X may be A through Z, 0 through 9, blank or "-".

Models E6015(Z)12H(Y), E8025(Z)12L(Y), E4020(Z)12H(Y), E6015(Z)12H(Y), where (Z) may be A, B, S, T, R or P, (Y) may be XXXX, where X may be A through Z, 0 through 9, blank or "-".

Models F4020(Z)12(X)(Y), F6010(Z)12(A)(Y), F6015(Z)12(X)(Y), F8025(Z)12(A)(Y), F8025(Z)24U(Y), F9025(Z)12(A)(Y), F1225(Z)12U(Y), F1238(Z)12(B)(Y), F3510(Z)12(X)(Y), F4511(Z)05(X)(Y), F5013(Z)05(X)(Y), F6020(Z)12(X)(Y), F8017(Z)12(X)(Y), F1238(Z)12(D)(Y), F1238(Z)24(D)(Y), D(E)12038(Z)12(D)(V), D(E)12038(Z)24(D)(V), B3510(Z)12(X)(Y), where (Z) may be A, B, S, T, R or P, (A) may be H, M, L or E, (B) may be U, H, M, L or E, (X) may be H, M or L, (D) may be F, S or U, (Y) and (V) may be XXXX, where X may be A through Z, 0 through 9, blank or "-", (E) may be A through Z, 0 through 9.

Models P4010(Z)12H(Y), P5010(Z)12H(Y), P5010(Z)12M(Y), P6010(Z)12H(Y), P6015(Z)12U(Y), P6025(Z)24U(Y), P8025(Z)24U(Y), P9025(Z)24U(Y), P1238(Z)24H(Y), P1225(Z)24H(Y), F4020(Z)24(A)(Y), C6010(Z)05(A)(Y), D6010(Z)05(A)(Y), B6020(Z)12(B)(Y), T6020(Z)12(B)(Y), F6025(Z)05(C)(Y), F6025(Z)12(D)(Y), C7015(Z)12(E)(Y), where (Z) may be A, B, C, S, T, R or P, (A) may be U, H, M or L, (B) may be H, M or L, (C) may be U, H, M, L or E, (D) may be S, U or H, (E) may be H, M, L or E, (Y) may be XXXX, where X may be A through Z, 0 through 9, "-" or blank.

Models T4010(Z)12U(Y), T5010(Z)12U(Y), T5010(Z)12M(Y), T6010(Z)12H(Y), T6015(Z)12U(Y), T6015(Z)12H(Y), where (Z) may be A, B, S, T, R or P, (Y) may be XXXX, where X may be A through Z, 0 through 9, blank or "-".

Models B6010(Z)12E(Y), B8025(Z)12E(Y), C2510(Z)05H(Y), C2510(Z)05L(Y), C3010(Z)12(X)(Y), C3507(Z)05H(Y), C4007(Z)12L(Y), C4007(Z)12M(Y), C4020(Z)12(X)(Y), C4407(Z)12L(Y), C6010(Z)12H(Y), C6010(Z)12U(Y), C6017(Z)12(X)(Y), C6020(Z)12L(Y), C6020(Z)12M(Y), D2510(Z)05H(Y), D2510(Z)05L(Y), D2510(Z)12M(Y), D3010(Z)12H(Y), D3010(Z)12L(Y), D4007(Z)05L(Y), D4007(Z)12L(Y), D4007(Z)12M(Y), D4020(Z)12(X)(Y), D5010(Z)12E(Y), D6010(Z)12U(Y), D6017(Z)12(X)(Y), D6020(Z)12L(Y), D6020(Z)12M(Y), D8025(Z)12(X)(Y), E1225(Z)12L(Y), E1238(Z)12H(Y), E1238(Z)12L(Y), E6010(Z)12H(Y), E6015(Z)12L(Y), E6015(Z)12M(Y), E6017(Z)12H(Y), E8025(Z)12H(Y), E8025(Z)12M(Y), E9025(Z)12H(Y), E9025(Z)12H(Y), F6010(Z)12M(Y), F6015(Z)12E(Y), R1225(Z)12H(Y), R1225(Z)12U(Y), R1238(Z)12H(Y), R6015(Z)12H(Y), R8025(Z)12H(Y), R9025(Z)12H(Y) series, where (Z) may be A, B, C, S, T, R or P, (X) may be H, M or L, (Y) may be XXXX, where X may be A through Z, 0 through 9, blank or "-".

Models F3828(Z)12(A)(Y), F4020(Z)12(F)(Y), F4028(Z)12(A)(Y), E5010(Z)12(A)(Y), F6010(Z)12U(Y), E6010(Z)12(A)(Y), F6015(Z)12U(Y), F6017(Z)12(B)(Y), F6038(Z)12(D)(Y), E7015(Z)12(B)(Y), E7025(Z)12H(Y), F7025(Z)12(E)(Y), F9733(Z)12(A)(Y), F6025(Z)24U(Y), F9025(Z)24U(Y), F8025(Z)48H(Y), where (Z) may be A, B, C, S, T, R or P, (A) may be H, M or L, (B) may be H or M, (C) may be U or H, (D) may be U, H, M or L, (E) may be H, M, L or E, (F) may be G, F, S or U, (Y) may be XXXX, where X may be A through Z, 0 through 9, blank or "-".

Models C7025(Z)12(X)(Y), D7025(Z)12(X)(Y), T7015(Z)12(A)(Y), F1238(Z)48(X)(Y), F8025(Z)12U(Y), F9025(Z)12U(Y), F9025(Z)24(A)(Y), C3010(Z)12H(Y), F1225(Z)48(X)(Y), C6010(Z)05M(Y), C8025(Z)24U(Y), D8025(Z)24U(Y), B6015(Z)12U(Y), F8017(Z)12(B)(Y), F8025(Z)12(C)(Y), C9025(Z)24U(Y), where (Z) may be A, B, C, S, T, R or P, (X) may be U, H, M, L or E, (A) may be U, H, M or L, (B) may be S or U, (C) may be G, F or S, (Y) may be XXXX, where X may be A through Z, 0 through 9, "-" or blank.

Models D(Y)07015(Z)12(X)(V), DA07015B12E(V), D(Y)07020(Z)12(B)(V), B(Y)04015(Z)05(A)(V), B(Y)05015(Z)05(A)(V), D(Y)09020(Z)12(B)(V), D(Y)09032(Z)12(B)(V), D(Y)09238(Z)12(B)(V), D(Y)09238(Z)24(B)(V), D(Y)12025(Z)12(B)(V), DV09238(Z)12(C)(V), DV09238(Z)24(C)(V) seires, where (Z) may be A, B, C, G, S, T, R or P, (Y) may be A through Z or 0 through 9, (X) may be U, H, M or L, (A) may be H, M or L, (B) may be U, H, M, L or E, (C) may be S, U or H, (V) may be XXXX, where X may be A through Z, 0 through 9, "-" or blank.

Models F7015T12MY-X, F7015S12MY-X, F7015B12MY-X, F7015T12HY-X, F7015S12HY-X, F7015B12HY-X, F7015T12UY-X, F7015S12UY-X, F7015B12UY-X.

Models B(Y)04015(Z)05(X)(V), B(Y)04510(Z)05(A)(V), B(Y)05115(Z)12(B)(V), D(Y)06015(Z)05(C)(V), D(Y)08020(Z)12(C)(V), D(Y)08025(Z)12(C)(V), D(Y)09220(Z)12(C)(V), D(Y)09225(Z)12(D)(V), where (Y) may be A through Z or 0 through 9, (Z) may be A, B, C, G, S, T, R or P, (C) may be U, H, M, L or E, (X) may be S or U, (A) may be U, H, M, L, E or X, (B) may be U, H, M or L, (D) may be U, H, M, L or E, (V) may be XXXX, where X may be A through Z, 0 through 9, "-" or blank.

Models D(Y)06010(Z)12(X)(V), D(Y)06015(Z)12(X)(V), D(Y)07520(Z)12(X)(V), where (Y) may be A through Z or 0 through 9, (Z) may be A, B, C, G, S, T, R or P, (X) may be U, H, M, L or E, (V) may be XXXX, where X may be A through Z, 0 through 9, "-" or blank..

Models B(Y)03510(Z)05(A)(V), B(Y)03510(Z)12(B)(V), D(Y)04010(Z)05(C)(V), D(Y)04010(Z)12(D)(V), D(Y)04028(Z)12S(V), D(Y)04028(Z)12(E)(V), D(Y)04048(Z)12(F)(V), B(Y)05515(Z)05(G)(V), B(Y)06015(Z)05(H)(V), B(Y)06015(Z)12(J)(V), D(Y)06025(Z)12(E)(V), D(Y)06038(Z)12(C)(V), D(Y)07025(Z)12(H)(V), B(Y)07530(Z)12(B)(V), B(Y)07530(Z)24(E)(V), D(Y)08025(Z)34(K)(V), D(Y)08038(Z)12(E)(V), B(Y)09733(Z)12H(V), DB08038(Z)12S(V), DB08038(Z)12U(V), DB08038(Z)12H(V), DB08038(Z)12M(V), DB08038(Z)12L(V) Series, where (Y) may be A through Z or 0 through 9, (Z) may be A, B, C, G, S, T, R or P, (A) may be H, M, L, E or X, (B) may be U, H, M, L or E, (C) may be S, U, H, M, L, E or X, (D) may be S, U, H, M, L or E, (E) may be U, H, M or L, (F) may be S, U or H, (G) may be H, M or L, (H) may be F, S, U, H, M, L, E or X, (J) may be G, F, S, U, H, M, L, E or X, (K) may be U, H or M, (V) may be XXXX, where X may be A through Z, 0 through 9, "-" or blank.

Models D(Y)04015(Z)12(A)(V), D(Y)08015(Z)12(B)(V), D(Y)08025(Z)12U(V), B(Y)10033(Z)12(C)(V), D(Y)12025(Z)12(B)(V), where (Y) may be A through Z or 0 through 9, (Z) may be A, B, C, G, S, T, R or P, (A) may be U, H, M, L, E or X, (B) may be U, H, M, L or E, (C) may be G, F, S, U, H, M or L, (V) may be XXXX, where X may be A through Z, 0 through 9, "-" or blank.

Models DA03510(Z)05(A)(V), , D(Y)03510(Z)12(B)(V), D(Y)04510(Z)05(C)(V), D(Y)04510(Z)12(D)(V), B(Y)05015(Z)05(A)(V), B(Y)05015(Z)12(H)(V), D(Y)05015(Z)12(E)(V), B(Y)06025(Z)24(E)(V), D(Y)07025(Z)24(F)(V), D(Y)08025(Z)24(F)(V), D(Y)09025(Z)12(E)(V), D(Y)09238(Z)12(G)(V), D(Y)12025(Z)24(E)(V), D(Y)12025(Z)48(E)(V), where (Y) may be A through Z or 0 through 9, (Z) may be A, B, C, G, S, T, R or P, (A) may be F, S, U, H, M, L or E, (B) may be F, S, U, H or M, (C) may be H, M, L, E or X, (D) may be S, U, H, M, L, E or X, (E) may be U, H, M, L or E, (F) may be U, H, M or L, (G) may be S, U, H, M or L, (H) may be S, U, H, M, L or E, (V) may be XXXX, where X may be A through Z, 0 through 9, "-" or blank.

Models D(Y)04056(Z)12(A)(V), B(Y)05125(Z)12(B)(V), B(Y)05512(Z)05(C)(V), B(Y)05512(Z)12(D)(V), D(Y)06020(Z)12(B)(V), D(Y)06025(Z)12(F)(V), D(Y)08038(Z)12(G)(V), B(Y)12032(Z)12(H)(V), D(Y)12038(Z)12(J)(V), D(K)12038(L)24(J)(V), DB12038B24H(W), D(Y)12038(Z)48(J)(V), where (Y) may be A through Z or 0 through 9, (Z) may be A, B, C, G, S, T, R or P, (A) may be U or H, (B) may be S, U, H, M, L or E, (C) may be G, F, S, U, H, M, L, E or X, (D) may be S, U, H, M, L, E or X, (E) may be H, M, L or E, (F) may be S, U, H, M, L, E or X, (G) may be S, U, H, M or L, (H) may be U, H, M, L or E, (J) may be H, M, L, E or X, (K) may be A thru Z or 0 thru 9, except for B; (L) may be A, C, G, S, T, R or P; (W)= XXXX where X may be A through Z, 0 thru 9, "-" or blank, except for S009; (V) may be XXXX, where X may be A through Z, 0 through 9, "-" or blank.

Models B(Y)04010(Z)05(A)(V), B(Y)04010(Z)12(B)(V), B(Y)04510(Z)05(G)(V), B(Y)04515(Z)12(C)(V), D(Y)05028(Z)12(C)(V), B(Y)05513(Z)05(H)(V), B(Y)05513(Z)12(E)(V), D(Y)06038(Z)12(F)(V), D(Y)06038(Z)24(F)(V), D(Y)07020(Z)24(C)(V), D(Y)07025(Z)12(G)(V), D(Y)07038(Z)12(D)(V), D(Y)08020(Z)24(C)(V), D(Y)08038(Z)12(C)(V), D(Y)08038(Z)24(C)(V), D(Y)08038(Z)48(C)(V), D(Y)09220(Z)24(C)(V), D(Y)09238(Z)12(H)(V), where (Y) may be A through Z or 0 through 9, (Z) may be A, B, C, G, S, T, R or P, (A) may be H, M or L, (B) may be H, M, L or E, (C) may be U, H, M, L or E, (D) may be G, F, S, U, H, M, L, E or X, (E) may be F, S, U, H, M, L, E or X, (F) may be S, U, H, M, L, E or X, (G) may be U, H, M, L or L, (H) may be U, H, M, L, E or X, (V) may be XXXX, where X may be A through Z, 0 through 9, "-" or blank.

Models D(Y)08038(Z)12HP(U), D(Y)09232(Z)12HP(V), where (Y) may be A through Z or 0 through 9, (Z) may be A, B, C, G, S, T, R or P, (U) may be $X_1X_2X_3X_4$, where X_2 is 4 and X_1, X_3, X_4 may be A through Z, 0 through 9, "-" or blank, (V) may be XXXX, where X may be A through Z, 0 through 9, "-" or blank.

Models D(Y)03828(Z)12(A)(V), D(Y)04210(Z)12(B)(V), D(Y)04410(Z)12(B)(V), B(Y)04709(Z)12(B)(V), D(Y)05010(Z)12(B)(V), D(Y)05510(Z)12(B)(V), D(Y)06510(Z)12(B)(V), where (Y) may be A through Z or 0 through 9, (Z) may be A, B, C, G, S, T, R or P, (A) may be U, H, M or L, (B) may be H, M or L, (V) may be XXXX, where X may be A through Z, 0 through 9, "-" or blank.

Models 0310-5(A)B, 0410-5(A)B, 0410-12(A)B, 0420-24(A)B, 0510-12(A)B, 0615-5(A)B, 0815-12(A)B-B11, 0820-12(A)B, 0825-48(A)B, 0925-12LMB, 0925-48(A)B-B7, 1225-48(A)B-B7, 1238-48(A)B-B7, 2510-5(A)B, 4507-12(A)B, 5215-12(A)B-B9, 5215-12HHB-B9, 5215-12(A)B-B11, 5215-12(A)S-B11, 5215-12HHB-B11, B0525-12(A)B, where (A) may be H, L or M.

Models 3510-12(A)B,, 5215-12(C)S, 5215-5(C)B, 0615-12(A)B, 0620-12(A)B, 0625-12(A)B, 0625-48(A)B, 9232-12(A)B, 9232-12HBT(D), 9232-48(A)B, where (A) may be L, M or H, (C) may be L, M, H or HH, (D) may be blank, L or A.

Models DS4028-12(A)(B)(C)-(E), DS4028-12HHB(C)-A(E), DS4028-12(A)(B)(C)-A(E), DS4028-12HH(B)(C)-(E), DS8025-12(A)(B)(C)-(E), DB7530-12(A)(B)(C)-(E), DB9733-12(A)(B)(C)-(E), where (A) may be L, M or H, (B) may be B or S, (C) may be blank, A, AA, B, L, BA, T, TL or TA, (E) may be blank or 01 through 99.

Models DS8038-12HB(C)-(E), DS8038-12MB(C)-(E), DS8038-12LB(C)-(E), DS9232-12HS(C)-(E), DS9232-12MS(C)-(E), DS9232-12LS(C)-(E), DS9232-12HBT(D)-(E), DS9238-12HB(C)-(E), DS9238-12MB(C)-(E), DS9238-12LB(C)-(E), DS9238-12HBT(D)-(E), where (C) may be A, AA, blank, B or BA, (D) may be blank, L or A, (E) may be blank or 01 through 99.

Models DS8038-12HB(C)-(E), DS8038-12MB(C)-(E), DS8038-12LB(C)-(E), DS9232-12HS(C)-(E), DS9232-12MS(C)-(E), DS9232-12LS(C)-(E), DS9232-12HBT(D)-(E), DS9238-12HB(C)-(E), DS9238-12MB(C)-(E), DS9238-12LB(C)-(E), DS9238-12HBT(D)-(E), where (C) may be A, AA, blank, B or BA, (D) may be blank, L or A, (E) may be blank or 01 through 99.

Models DS3828-05(A)B(C)-(E), DS4028-05(A)B(C)-(E), DS3828-12(A)(B)(C)-(E), DS6025-12(A)(B)(C)-A-(E), DS6025-12(A)(B)(C)-B-(E), DS9225-12(A)(B)(C)-(E), DS12038-12(A)B(C)-(E), DS12038-12HBT(D)-(E), DS12738-12(A)B(C)-(E), DS12038-24(A)B(C)-(E), DS12738-24(A)B(C)-(E), DS12038-48(A)B(C)-(E), DS12738-48(A)B(C)-(E), where (A) may be H, M or L, (B) may be B or S, (C) may be A, AA, blank, B or BA, (D) may be blank, L or A, (E) may be blank or 01 through 99.

Models DS4020-05(A)B(C)-(E), DS4020-12(B)B(C)-(E), DS7015-12(A)B(C)-(E), DS8025-12HBT(D)-A-(E), DS8025-12(B)B(C)-A-(E), DS8025-12LLB(C)-A-(E), DS9225-12HBT(D)-B-(E), 0925-12HBT(D), DS9225-12(B)B(C)-B-(E), DS9232-12(A)B(C)-(E), DS9238-12HBT(D)-A-(E), DS9238-12HBT(D)-B-(E), DS9238-12HBT(D)-1, DS9238-12HBT(D)-1-B, DS7015-24(A)B(C)-(E), DS8025-24(B)B(C)-A-(E), DS8025-24LLB(C)-A-(E), DS9225-24(B)B(C)-B-(E), DS9232-24(A)B(C)-(E), DS8025-48(A)B(C)-A-(E), DS8025-48LLB(C)-A-(E), DS9225-48(A)B(C)-B-(E), DB7530-12HHB(C)-(E), where (A) may be H, M or L, (B) may be HH, H, M or L, (C) may be A, AA, blank, B or BA, (D) may be blank, L or A, (E) may be blank or 01 through 99.

Models DS6025-12MBT(D)-(E), DS6025-12MBT(D)-C(E), DS8025-12LLB(C)-B(E), DS12025-12HBT(D)-(E), DS12025-12(A)B(C)-(E), DS12038-12HBT(D)-B(E), DB9733-12HHBT(D)-(E), DB9733-12HHB(C)-(E), DR6025-12HB(C)-(E) where (A) may be HH, H, M or L, (C) may be A, AA, blank, B, L or BA, (D) may be blank, L or A, (E) may be blank or 01 through 99.

Models DS8038-12HHB(C)-A(E), DS12038-12HHBT(C)-A(E), DS12038-12HBT(C)-A(E), DS12038-12HHB(C)-A(E), DS12038-12(A)B(C)-A(E), DM8025-12HB(C)-(E), FT-DB00-08025-(F), where (A) may be H, M or L, (C) may be blank, A or L, (E) may be blank or 01 through 99, (F) may be blank or 001 through 999.

Models DS8025-12(A)S(C)-A(E), DS8025-12(B)S(C)-C(E), DS9225-12(B)S(C)-B(E), DS9225-12LS(C)-C(E), DS9225-12(B)S(C)-D(E), DS7015-12HHB(C)-(E), DS7025-12(B)B(C)-(E), where (A) may be H, M or L, (B) may be HH, H, M or L, (C) may be L, blank or A, (E) may be blank or 01 through 99.

Models DS6025-12(A)B(D)-(E), DS7015-12(B)C(D)-(A)E, DS7015-12(B)C(D)-(C)E, DS7020-12(B)C(D)-(A)E, DS7020-12(B)C(D)-(C)E, DS7020-12H(C)T(D)-(D)E, DS7020-12M(C)T(D)-(D)E, DS9225-12LLBT(D)-(E), DS9232-12HHBT(D)-(E), DM7224-12(B)B(D)-(E), DB7530-12(A)B(D)-(A)E, where (A) may be HH, H, M or L, (B) may be H, M or L, (C) may be B, S or C, (D) may be L, blank or A, (E) may be blank or 01 through 99.

Models DS6010-12(B)S(D)-AY-(E), DS6015-12L(C)D-(A)E, DS6015-12H(C)D-(C)E, DS6015-12L(C)D-(E)E, DS12738-48VHB(D)-(E), DS12738-48(A)B(D)-A-(E), DB9733-12HHBT(D)-A-(E) series, where (A) may be HH, H, M or L, (B) may be H, M or L, (C) may be B, S or C, (D) may be L, blank or A, (E) may be blank or 01 through 99.

Models DS9238-12HBP(A)-(B), DS9238-12MBP(A)-(B) Series, where (A) may be blank or A through Z, (B) may be blank or 01 through 99.

Models 1238-12LB(A)-A-(B), DS8025-12HHBP(A)-(B), DS12038-12HBP(A)-(B), where (A) may be blank, A or L, (B) may be blank or 01 through 99; Models B(Y)13733(Z)12(C)(V) series, D(Y)13733(Z)12(C)(V) series, D(Y)09232(Z)12(C)(V) series, where (Y) may be A through Z or 0 through 9, (Z) may be A, B, C, G, S, T, R or P, (C) may be U, H, M, L or E, (V) may be XXXX, where X may be A through Z, 0 through 9, "-" or blank.

Model DB7525-12MBP(A)-(B), where (A) may be blank, A or L, (B) may be blank or 01 through 99.

Models DS8025-12(A)C(C)-B(D), DS9225-12(B)C(C)-B(D), DS9225-12HHC(C)-W(D), DS9225-12HHS(C)-W(D), DS9238-12HBT(C)-A-2, DS9238-12HBT(C)-C(D) Series, where (A) may be H, M or L, (B) may be HH, H, M or L, (C) may be blank, A or L, (D) may be blank or 01 through 99.

Model D(Y)12038(Z)12(A)(V) Series, where (Y) may be A through Z or 0 through 9, (Z) may be B, (A) may be H or L, (V) may be XXXX, where X may be A through Z, 0 through 9, "-" or blank

Models DS9225-12HBP(D)-(E), DS12025-12(B)C(D)-A(E), DS12025-12(B)F(D)-A(E), DS12738-12(A)B(D)-A(E), DS12738-24VHB(D)-A(E), DS12738-24(A)B(D)-A(E), DB9733-12VHBP(D)-(E), DB9733-12VHB(D)-(E) Series, where (A) may be HH, H, M or L, (B) may be H, M or L, (D) may be blank, A or L, (E) may be blank or 01 through 99.

Models DS3828-12(A)B(D)-G(E), DS4010-12(A)B(D)-T(E), DS4010-05H(B)D-(T)E, DS5010-12M(B)D-(T)E, DS5010-12L(B)D-(T)E, DS7020-12HB(D)-G(E), DS7020-12HC(D)-G(E) Series, where (A) may be H, M or L, (B) may be B, C or F, (D) may be blank, A or L, (E) may be blank or 01 through 99.

Models B(Y)12054(Z)48(T)(V), D(Y)12738(Z)48(U)(V) series, where (Y) may be A through Z or 0 through 9, (Z) may be A, B, C, G, S, T, R or P, (T) may be F, S, U or H, (U) may be F, S, U, H, M, L or E, (V) may be XXXX, where X may be A through Z, 0 through 9, "-" or blank.

Models DA12032B48UP007, D(Y)12032(Z)48(A)(V), D(Y)12032(Z)48U(W), BA07015(Z)12(B)-S01, D(Y)09225(Z)48(C)(V) series, where (A) may be H, M, L or E, (B) may be S, U, H, M or L, (C) may be F, S, U or H, (Y) may be A through Z or 0 through 9, (Z) may be A, B, C, G, S, T, R or P, (V) may be XXXX, where X may be A through Z, 0 through 9, "-" or blank; (W)= XXXX where X may be A thru Z, 0 thru 9, "-" or blank, except for P007.

Models DB0973312XZUN, DB0973312XZHN, DB0973324XZUN, DB0973324XZHN, DB0973324XZMN, DB0973324XZLN, DB1203212XZUN, DB1203212XZHN, DB1203212XZMN, DB1203212XZLN, DB1203224XZUN, DB1203224XZHN, DB1203224XZMN, DB1203224XZLN, DB1203248XZUN, DB1203248XZHN, DB1203248XZMN, DB1203248XZLN, DF0401005XZHN, DF0401005XZMN, DF0401005XZLN, DF0401012XZHN, DF0401012XZMN, DF0401012XZLN, DF0401505XZHN, DF0401505XZMN, DF0401505XZLN, DF0401512XZHN, DF0401512XZMN, DF0401512XZLN, DF0402012XZHN, DF0402012XZMN, DF0402012XZLN, DF0521512XZHN, DF0521512XZMN, DF0521512XZLN, DF0602012XZHN, DF0602012XZMN, DF0602012XZLN, DF0602024XZHN, DF0602024XZMN, DF0602024XZLN, DF0602048XZUN, DF0602048XZHN, DF0602048XZMN, DF0602048XZLN, DF0602512XZUN, DF0602512XZHN, DF0602512XZMN, DF0602512XZLN, DF0602524XZUN, DF0602524XZHN, DF0602524XZMN, DF0602524XZLN, DF0702505XZHN, DF0702505XZMN, DF0702505XZLN, DF0702512XZHN, DF0702512XZMN, DF0702512XZLN, DF0802505XZHN, DF0802505XZMN, DF0802505XZLN, DF0802512XZHN, DF0802512XZMN, DF0802512XZLN, DF0802524XZUN, DF0802524XZHN, DF0802524XZMN, DF0802524XZLN, DF0922505XZUN, DF0922505XZHN, DF0922505XZMN, DF0922505XZLN, DF0922524XZUN, DF0922524XZHN, DF0922524XZMN, DF0922524XZLN, DF1202505XZUN, DF1202505XZHN, DF1202505XZMN, DF1202505XZLN, DF1202512XZUN, DF1202512XZHN, DF1202512XZMN, DF1202512XZLN, DF1202524XZUN, DF1202524XZHN, DF1202524XZMN, DF1202524XZLN, DF1203812XZUN, DF1203812XZHN, DF1203812XZMN, DF1203812XZLN, DF1203824XZUN, DF1203824XZHN, DF1203824XZMN, DF1203824XZLN, DF1203848XZUN, DF1203848XZHN, DF1203848XZMN, DF1203848XZLN, DF1273812XZUN, DF1273812XZHN, DF1273812XZMN, DF1273812XZLN, DF1273824XZUN, DF1273824XZHN, DF1273824XZMN, DF1273824XZLN, DF1273848XZUN, DF1273848XZHN, DF1273848XZMN, DF1273848XZLN, DF1723812XZUN, DF1723812XZHN, DF1723812XZMN, DF1723812XZLN, DF1725112XZUN, DF1725112XZHN, DF1725112XZMN, DF1725112XZLN, DF0402812B2(B)N, DF0451012B1(C)N, DF0300612SE(A)N, DF0501012SE(C)N, DB0501512B2HN, DF0603812B2(C)N, DF0701512B2(D)N, DF0702512B2(E)N, DF0803812B2(A)N, DF0922512SE(B)N, DF0922512B2(C)N, DF172548B2(F)N, DF0701512(A)(D)N, DF0601512(A)(C)N, DF0802524(A)(D)N, DF0922512B1A, DF0922512B1(B)(C)N, DF0922524(A)(D)N, where XZ may be SE, B1, B2 or HC, (A) may be U or L, (B) may be U, H, M or L, (C) may be U, M or L, (D) may be U or M, (E) may be H or L, (F) may be U or H, (A) may be SE, B1 or B2, (B) may be B1 or B2, (C) may be L, M, H or U, (D) may be L, M or H.

Models DS04010(Z)12(W)(V), D(Y)04210(Z)12(Q)(V), B(Y)04812(Z)12(K)(V), DS05010(Z)12(Q)(V), BA06015(Z)05E(V), DS08015(Z)12(Q)(V), D(Y)09225(Z)12(C)(V), D(Y)09225(Z)24(C)(V), D(Y)12032(Z)12(Q)(V), D(Y)12032(Z)24(Q)(V), 2B12038(Z)12(G)(V), 2B12038(Z)24(P)(V), 2B12038(Z)48(P)(V), B(Y)13391(Z)12U(V), B(Y)13391(Z)24(N)(V), B(Y)13391(Z)48(N)(V), D(Y)15051(Z)24(Q)(V), DB17251(Z)24(Q)(V), B(Y)18080(Z)48U(V), B(Y)18080(Z)48(I)(V) series, where (Z) may be A, B, C, G, S, T, R or P, (W) may be S, U, H, M or L, (V) may be XXXX, where X may be A through Z, 0 through 9, "-" or blank, (Y) may be A through Z or 0 through 9, (Q) may be U, H, M, L or E, (K) may be H, M or L, (C) may be F, S, U or H, (G) may be U, H or M, (P) may be S, U, H or M, (N) may be S or U, (I) may be G, F or S.

Models B(Y)03010(Z)05(J)(V), D(Y)03628(Z)12S(V), DB03628B12F(V),DB03628B12(A)(V), D(Y)04020(Z)24(K)(V), D(Y)05020(Z)24(K)(V), DS06025(Z)12(Q)(V), DS06038(Z)12(Q)(V), DS07015(Z)12(W)(V), DV07020(Z)12(W)(V), D(Y)09238(Z)24U(V), DS12025(Z)24(W)(V), DL08025(Z)12(K)(V), DL09225(Z)12(C)(V), 2(Y)08038(Z)12(P)(V), DA09020(Z)12(W)(V), B(Y)06015(Z)12H(V), B(Y)07620(Z)12H(V), B(Y)08825(Z)12U(V), D(Y)12051(Z)12H(V), B(Y)17569(Z)24(M)(V), B(Y)17569(Z)48(C)(V) series, where (Y) may be A through Z or 0 through 9, (Z) may be A, B, C, G, S, T, R or P, (J) may be S, U, H or M, (K) may be S, U, H, M or L, (Q) may be S, U, H, M, L, E or X, (W) may be U, H, M, L or E, (C) may be U, H, M or L, (P) may be S, U, H, M, L or E, (M) may be H, M or L, (A) may be U or H, (V) may be XXXX, where X may be A through Z, 0 through 9, "-" or blank.

Models BATA1026(Z)2M(V) series, (Z) may be A, B, C, G, S, T, R or P, (V) may be XXXX, where X may be A through Z, 0 through 9, "-" or blank.

Models D(Y)04010(Z)12(M)(V), B(Y)TA0515(Z)2U(V), 2(Y)06038(Z)12(K)(V), 2B06038(Z)12L FAF, B8025(Z)12U(V), DT09238(Z)24H(V), DATA1238(Z)2(C)(V), DATA1238(Z)8(C)(V), DATA1525(Z)8(Q)(V) series, where (Y) may be A through Z or 0 through 9, (Z) may be A, B, C, G, S, T, R or P, (M) may be H, M or L, (K) may be S, U, H, M or L, (C) may be U, H, M or L, (Q) may be S, U, H, M, L, E or X, (V) may be XXXX, where X may be A through Z, 0 through 9, "-" or blank.

Models DA08020(Z)12U(V), DATA1238(Z)4(M)(V) series, where (M) may be U, H, M or L, (Z) may be A, B, C, G, S, T, R or P, (V) may be XXXX, where X may be A through Z, 0 through 9, "-" or blank.

Models DV04028(Z)12E(V), DA08025(Z)12(L)(V), DA08025(Z)24(L)(V), 2B08038(Z)24(J)(V), 2B08038(Z)48(J)(V), DB12738(Z)24(N)(V), DATA0625(Z)2(M)(V), DATA0625(Z)4(M)(V), DATA0625(Z)8(C)(V), DASA0832(Z)2(U)(V), DASA0832(Z)2(K)(V), DATA1225(Z)4(Q)(V), DATA1225(Z)8(Q)(V), DATA0625B4G(V) series, where (L) may be S, U, H or M, (J) may be S, U, H, M, L or E, (N) may be F, S, U, H, M, L or E, (K) may be H, M, L or E, (Q) may be G, F, S, U, H, M, L, E or X, (C) may be H, M, L, E or X, (M) may be F, S, U, H, M, L, E or X, (Z) may be A, B, C, G, S, T, R or P, (V) may be XXXX, where X may be A through Z, 0 through 9, "-" or blank.

Models P6025(Z)24U-248, P1238(Z)24H-088, DS07025(Z)12S(V), DS07025(Z)12(F)(V), DA09238(Z)24H(V), DS09238(Z)12(H)(V), DATA1551(Z)8(A)(V), DATA1551(Z)8M(W), DATA2070(Z)4(J)(V), DATA2070B8(E)(V), DYA2070B8(J)(V), DATA2070(Z)8(J)(V) series, where (Z) may be A, B, C, G, S, T, R or P, (E) may be G, F or E, (F) may be U, H, M, L or E, (H) may be U, H, M, L, E or X, (A) may be U, H, or L, (J) may be S, U, H, M, L or E, (V) may be XXXX, where X may be A through Z, 0 through 9, "-" or blank, (W) may be XXXX, where X may be A through Z, 0 through 9, "-" or blank except for P002.

Models DD04010(Z)05U(V), DD05010(Z)24U(V), DS05020(Z)05(G)(V), DS05020(Z)05(G)P(V), 2B06038(Z)48(B)(V), BATA0515(Z)2(C)(V), BAKA0815(Z)5H(V), DATA1225(Z)2(D)(V) series, where (A) may be U, H, M or L, (B) may be S, H, M or L, (C) may be U, H or M, (D) may be G, F, S, U, H, M, L, E or X, (E) may be blank or P, (Z) may be A, B, C, G, S, T, R or P, (V) may be XXXX, where X may be A through Z, 0 through 9, "-" or blank.

Models BA03010(Z)12(A)(V), BN06015(Z)12H(V), 2B06038(Z)12G(V), 2B06038(Z)12U(V), 2B06038(Z)24(B)(V), DV06038(Z)48(C)(V), BA10033(Z)24(D)(V), DFTA0676(Z)2(E)(V), DSSC0715(Z)2(F)(V), DSSC0715(Z)2(F)A(V), DESC0715(Z)2(F)(V), DESC0715(Z)2(F)A(V), DASA0832(Z)4(G)(V), DATA1551(Z)4(A)(V), BA10033B24G(V), BA10033B24F(V), BA10033B24S(V), BA10033B24U(V) series, (Z) may be A, B, C, G, S, T, R, P, (A) may be U, H, M or L, (B) may be S, H, M or L, (C) may be S, U, H or M, (D) may be H, M or L, (E) may be S or U, (F) may be U, H, M, L or E, (G) may be M, L or E, (V) may be XXXX, where X may be A through Z, 0 through 9, "-" or blank.

Model DATA0725B8S(V) series, where (V) may be XXXX, where X may be A through Z, 0 through 9, "-" or blank.

Model DBTA0420B2UP018; Models DBTA0420B2(A)(V), DBTA0420B2U(W), DBTA0825B2(B)(V), DBTA0825B4(K)(V), DBTA0825B8(K)(V), DATA0838B8U(V), DCTA0938B8(B)(V), DATA1338B8(C)(V) series, where (A) may be H, M, L or E, (B) may be U, H or M, (C) may be F, S, U, H, M, L or E, (K) may be U, H or M, (V) may be XXXX, where X may be A thru Z, 0 through 9, "-" or blank, (W)= XXXX where X may be A thru Z, 0 thru 9, "-" or blank, except for P018.

Models B6025B12S(V), T9025B24(A)(V), DB03828B12S(V), DA04015B24(B)(V), DK06025B12S(V), BA07015B05(C)(V), DS07025B12(D)(V), DS08025B24(E)(V), DF08080B12U(V), DS09225B12(F)(V), DS12025B12(F)(V), BATA0515B2U(V), DASA0925B2(G)(V), DESA0938B2(H)(V), DCTA0938B2(I)(V), DATB1238B2M(V), DATA1338B2(J)(V), DATA1338B4G(V), DATA1338B4(J)(V), DBTA1551B8(D)(V) series, where (V) may be XXXX, where X may be A through Z, 0 through 9, "-" or blank, (A) may be H, M or L, (B) may be U, H, M, L, E or X, (C) may be M, L, E or X, (D) may be S, U, H, M, L or E, (E) may be U, H, M or L, (F) may be U, H, M, L or E, (G) may be S, U, H, M or L, (H) may be H, M, L, E or X, (I) may be U, H or M, (J) may be F, S, U, H, M, L or E.

Models DBTA1225B8(Q)(V), DK03510B05(R)(V), DNSA0620B2(S)(V), DFTA0456B2(T)(V), where (Q) may be S, U, H, M, L, (R) may be U, H, M, L, (S) may be S, U, H, M, L, E, (T) may be U, H, M, (V) may be XXXX, where X may be A through Z, 0 through 9, "-" or blank.

Model BAKA9318B4H(V) series, where (V) may be XXXX, where X may be A through Z, 0 through 9, "-" or blank.

Model BATA1025B8S(V) series, where (V) may be XXXX, where X may be A through Z, 0 through 9, "-" or blank.

Models DATA0625B2G(V), DAKA0638B2(B)(V), DAKA0638B4(B)(V), DFTA0656B2(C)(V), BA07015B12(A)-S02, DBTA1225B2(A)(V), DBTA1225B4(A)(V) series, where (A) may be S, U, H, M or L, (B) may be U, H, M or L, (C) may be F, S or U, (V) may be XXXX, where X may be A through Z, 0 through 9, "-" or blank.

Models DASA0420R2(A)(V) series, where (A) may be U, H, M or L, (V) may be XXXX, where X may be A through Z, 0 through 9, "-" or blank.

Models DA06010B05(A)(V), BA12032B24(B)(V), DAKA0310B3(C)(V), DAKA0420B2(D)(V), DAKA0510B3(E)(V), DAKB0625B2(F)(V), DAKB0625B4(G)(V), DASC0715R2(H)(V), DAKB0925B4(C)(V), DASD0925R2(B)(V), BASA1025B2(C)(V), DBTA1551B4(I)(V), DBTA1551B8(J)(V) series, where (A) may be M, L or E, (B) may be H, M or L, (C) may be U, H, M or L, (D) may be F, S, U, H, or M, (E) may be S, U, H, M or L, (F) may be F, S, U, H, M, L or E, (G) may be S, U, H or M, (H) may be U, H, M, L or E, (I) may be S, U, H, M, L or E, (J) may be G or F, (V) may be XXXX, where X may be A through Z, 0 through 9, "-" or blank.

Models DATA0832B2(A)(V), DATA0832B4(A)(V), DATA0832B8(A)(V) series, where (A) may be G, F, S, U, H, M or L, (V) may be XXXX, where X may be A through Z, 0 through 9, "-" or blank.

Models DA05015B05(A)(V), DASA0620B2(B)(V), DSSD0715R2(A)(V), DAKA0825B2(C)(V), DASA0825B2(C)(V), DATA0838B2(D)(V), DAKA0925B2(A)(V), DAKA0925B4(C)(V), DASB0925B2(A)(V), DATA1232B2(A)(V), DATA1232B4(A)(V), DATA1232B8(A)(V), DATC1238R2M(V), DBTB1238B2S(V), DBTB1238B2(E)(V), DBTB1238B4F(V), DBTB1238B4(F)(V), DBTB1238B8F(V), DBTB1238B8(F)(V), DATB1338B2(G)(V), DATB1338B4(G)(V), DATB1338B8(G)(V), DBTA1551B2(H)(V) series, where (A) may be U, H, M, L or E, (B) may be S, U, H, M, L or E, (C) may be U, H, M or L, (D) may be F, S, U or H, (E) may be U, H or M, (F) may be S, U, H or M, (G) may be F, S, U, H, M, L or E, (H) may be H, M, L or E, (V) may be XXXX, where X may be A through Z, 0 through 9, "-" or blank.

Model BNTA0613R2H(V) series, where (V) may be XXXX, where X may be A through Z, 0 through 9, "-" or blank.

Models DBTA0428B2(A)(V), BATB0515B2(B)(V), DASA0610B2(C)(V), BATA0812R5HP00(H), DASB0825B2(D)(V), DATA0838B4(E)(V), DATA0838B8(F)(V), DBTB0838B2S(V), DYTBO838B2G(V), DYTBO838B2S(V), DASC0925R2(C)(V), DASE0925R2(C)(V), DATA1525B2(G)(V), DATA1525B4(G)(V) series, where (A) may be S, U, H, M or L, (B) may be S, U, H or M, (C) may be U, H, M, L or E, (D) may be U, H, M or L, (E) may be S, U or H, (F) may be S or H, (G) may be S, U, H, M, L, E or X, (H) may be 1 or 2, (V) may be XXXX, where X may be A through Z, 0 through 9, "-" or blank.

Model BATA1015R5H(V) series, where (V) may be XXXX, where X may be A through Z, 0 through 9, "-" or blank.

Models BATA0817R2H(V), BASA0819R5U(V), BASA0819R5H(V), BASA0819R5M(V), BASA0819R5L(V) series, where (V) may be XXXX, each X may be A through Z, 0 through 9, "-" or blank.

Models BATA0715R5H(V), BNTA0815R5H(V), and BATA0715R5M(V) series, where (V) may be xxxx, where x may be A through Z, 0 through 9, "-" or blank.

Models BASA0510R5(X)(V), BASA0720B2(X)(V) series, where (X) may be U, H, M or L, (V) may be xxxx, where x may be A through Z, 0 through 9, "-" or blank.

Model BASA0710R2(X)(V) series, where (X) may be U, H, M or L, (V) may be xxxx, where x may be A through Z, 0 through 9, "-" or blank.

Models DATB0938B8(A)(V), DBTB1551B8G(V) series, where (A) may be U, H or M, (V) may be XXXX, where X may be A through Z, 0 through 9, "-" or blank.

Models BN13391B24F(V), BN22599B48(A)(V), DATA0625B8(B)(V), DATB0625B2(C)(V), DATB0625B4(C)(V), DATB0625B8(C)(V), BATA0832B2U(V), DBTA0838B2G(V), DBTA0838B4G(V), DYTBO925B2F(V), DCTA1238B2S(V), DYTBT1238B2S(V) series, where (A) may be H or M, (B) may be G, F, S or U, (C) may be F, S, U, H, M, L or E, (V) may be XXXX, each X may be A through Z, 0 through 9, "-" or blank.

Models BASA0509R5(A)(V), DSSE0715R2(B)(V), BASA0725R2U(V), BASA0725R2(F)(V), DASC0825B2(A)(V), DASA0925R2(B)(V), DASB0925R2(C)(V), DESA0925R2(B)-001, DESA0925R2(C)-002, DESA0925R2(D)-003, DASA1225B2(D)(V), DASB1225B2(C)(V) series, where (A) may be U, H, M or L, (B) may be U, H, M, L or E, (C) may be H, M, L or E, (D) may be M, L or E, (F) may be H, M or L, (V) may be XXXX, where X may be A through Z, 0 through 9, "-" or blank.

Models DAKA0410B2(a)(V), DAKA0428B2(b)(V), DAKB0428B2(a)(V), DAKA0625B2(a)(V), DAKA0625B4(a)(V), DAKA0825B4(c)(V), DAKA1238B2(a)(V), DAKA1238B4(d)(V), DAKA1238B8(d)(V) series, where (a) may be U, H, M, L or E, (b) may be U, H, M, L, E or X, (c) may be S, U, H, M, L or E, (d) may be H, M, L or E, (e) may be M, L or E, (V) may be XXXX, each X may be A through Z, 0 through 9, "-" or blank.

Model BNKA0310S5M(V) series, where (V) may be XXXX, where X may be A through Z, 0 through 9, "-" or blank.

Models DATA0825B8S(V), DATA0825B8U(V), DATA0825B8H(V), DATA0825B8M(V) series, where (V) may be XXXX, where X may be A through Z, 0 through 9, "-" or blank.

Models BAKA0615R2H(V), BAKB0615R2H(V), BAKA0722B2H(V), BAKA0822B2H(V), BAKA0825B2H(V), BAKA0922B2H(V) series, where (V) may be XXXX, where X may be A through Z, 0 through 9, "-" or blank.

Models BASA0406R5(A)(V), BASA0815R2(C)(V), BASA0817R2(C)(V), DATA0838B8E(V), BAKA0925B2H(V) series, where (A) may be U, H or M, (C) may be M, L or E, (V) may be XXXX, where X may be A through Z, 0 through 9, "-" or blank.

Models BATA0610R5H(V), DYTBO925B8F(V), DYTBO925B8S(V), DYTBO925B8H(V), DYTBO925B8M(V), DYTBO925B8U(V) and BATA0610R5U(V) Series, where (V) may be XXXX, where X may be A through Z, 0 through 9, "-" or blank.

Models DASD0720T2(C)(V), DS04010B24(A)(V), DS08020B48(B)(V), DASA0310R2(C)(V), DASA0510B2(B)(V), DASA0510R2(B)(V), BNTA0712R5H(V), BASA0815R5(D)(V), DASD0825B2(E)(V), BATA0912R5H(V), DAPA1525B8X(V), DAPB1751B8L(V) series, where (A) may be S or U, (B) may be U, H, M, L or E, (C) may be U, H, M or L, (D) may be M, L or E, (E) may be F, S, U, H or M, (V) may be XXXX, where X may be A through Z, 0 through 9, "-" or blank.

Models BASB0510R2(A)(V), DATA0307R5H(V) series, where (A) may be U, H or M, (V) may be XXXX, where X may be A through Z, 0 through 9, "-" or blank.

Models BNTA0610R5H(V), BATA0716R2H(V), BATA0822R2H(V) series, where (V) may be XXXX, where X may be A through Z, 0 through 9, "-" or blank.

Models DS08015R05(A)(V), DASA0815R2(B)(V), DASE0825T2(C)(V), DFTA0880B2U(V), DASA1238B2(D)(V), BNTA2589B8(E)(V), BASA5508R5(C)(V) series, where (A) may be H, M or L, (B) may be U, H, M, L or E, (C) may be U, H, M or L, (D) may be S, U, H, M, L or E, (E) may be H or M, (V) may be XXXX, where X may be A through Z, 0 through 9, "-" or blank.

Models BATA0607R5H(V), BASA0825R2(A)(V), BASB0825R2(A)(V) series, where (A) may be H, M, L or E, (V) may be XXXX, where X may be A through Z, 0 through 9, "-" or blank.

Models BAKA0825R2H(V), BAKA0922R2H(V) series, where (V) may be XXXX, where X may be A through Z, 0 through 9, "-" or blank.

Models DA05015B12S(V), BASA0615R2(A)(V), BASA0714R2(B)(V), BASB0615B2(F)(V), DATB0825B2(G)(V), BASA0819R2(E)(V) series, where (A) may be H, M, L or E, (B) may be U, H, M, L or E, (E) may be U, H, M or L, (F) may be M, or L, (G) may be S, U, H or M, (V) may be xxxx, where x may be A through Z, 0 through 9, "-" or blank.

Models BASA0712R5(A)(V), BASA0609R5(X)(V), BAKA0812R2U(W), BAKA0812R2UP003 series, where (A) may be H, M or L, (X) may be U, H, M or L, (V) may be XXXX, where X may be A through Z, 0 through 9, "-" or blank; (W) may be XXXX, where X may be A through Z, 0 through 9, "-" or blank ,except for P003.

Model DYTBO638B8U(V) series, where (V) may be XXXX, where X may be A through Z, 0 through 9, "-" or blank.

Models DFTA0348B2S(V), DFTA0348B2U(V), DFTA0448B2(A)(V), DFTB0456B2U(V), DFTA0676B4(B)(V), BASB0712R5(C)(V), DASA0715R2(D)(V), BASB0817R2(E)(V) series, where (A) may be S, U, H or M, (B) may be S or U, (C) may be H, M or L, (D) may be U, H, M, L or E, (E) may be M, L or E, (V) may be XXXX, where X may be A through Z, 0 through 9, "-" or blank.

Models DFTA0880Y2U(V), DBTA0328B2(A)(V) series, where (A) may be S, U, H, M, L or E; (V) may be xxxx, where x may be A through Z, 0 through 9, "-" or blank.

Models DA04015B05(A)(V), DS04020B05(A)(V), DASA0410B5(A)(V), DASA0410B2(B)(V), DASA0410R2(A)(V), DASB0410R2(C)(V), DASB0510B2(D)(V), DASA0615R2(E)(V), DASA0820R2(F)(V), DATA0825B2(G)(V), DATA0825B4(G)(V), DASC0925B2(D)(V), BASA1120R2(H)(V) series, where (A) may be U, H, M or L, (B) may be S, U, H, M or L, (C) may be U, H or M, (D) may be H, M, L or E, (E) may be S, U, H, M, L or E, (F) may be U, H, M, L or E, (G) may be S, U, or H, (H) may be M, L or E, (V) may be XXXX, where X may be A through Z, 0 through 9, "-" or blank.

Models DASA0210R5(A)(V), BASA0712R2(B)(V), DBTB1225B8F(V) series, where (A) may be U, H, M or L, (B) may be H, M, L or E, (V) may be XXXX, where X may be A through Z, 0 through 9, "-" or blank.

Models BATA0507R5U(V), BATA0507R5H(V), BATA0812R5H(Y), DBTA0638B2S(W), DBTA0638B2SPK01, DBTA0638B2U(V), DBTA0638B2H(V), DBTA0638B2M(V), DBTA0638B2L(V), DBTA0638B4(A)(V), DBTA0638B8(A)(V) series, where (A) may be S, U, H, M or L, (V) may be XXXX, where X may be A through Z, 0 through 9, "-" or blank; (W) may be XXXX, where X may be A through Z, 0 through 9, "-" or blank, except for PK01; (Y) may be XXXX, where X may be A through Z, 0 through 9, "-" or blank, except for P001 and P002.

Models DATA0420B2(A)(V), DASB0815B2(B)(V), DV09238B48S(V), DBTB1225B2F(V) series, where (A) may be S, U, H, M or L, (B) may be U, H, M, L or E, (V) may be XXXX, where X may be A through Z, 0 through 9, "-" or blank.

Models DBTA0420B5(A)(V), DBTB0428B2(B)(V), DASB0815R2(C)(V), BATA1024B2H(V), BNTA1025B2U(V), DYTF1238B8H(V), DATC1551B8S(V) series, where (A) may be M, L, E or X, (B) may be S, U, H or M, (C) may be U, H, M, L or E, (V) may be XXXX, where X may be A through Z, 0 through 9, "-" or blank.

Models BATA0507R5M(V), DFTB0880B8(A)(V), DBTA1338B8H(V), BNTA1769Y8U(V), and BNTA1769Y8F(V) series, where (A) may be U, H, M, or L; and (V) may be XXXX, where X may be A through Z, 0 through 9, "-" or blank.

Models BASA0407R5(A)(V) series, where (A) may be S, U, or H; and (V) may be XXXX, where X may be A through Z, 0 through 9, "-" or blank.

Models DBKA0456R2(A)(V), BASC0712R2(B)(V), BASB0715R2(C)(V), DASA0720B2(C)(V), BATA0810R5H(V), BASA0920R2(D)(V), BAKB0922R2H(V), DAKA0938R4(C)(V), BASB1025B2(E)(V), and BASA1125R2(D)(V) series, where (A) may be U, H, M, or L; (B) may be H, M, or L; (C) may be U, H, M, or L; (D) may be U, H, or M; (E) may be U, H, M, L, or E; and (V) may be XXXX, where X may be A through Z, 0 through 9, "-" or blank.

Model BASB1125R2(A)(V) series, where (A) may be U, H or M; and (V) may be XXXX, where X may be A through Z, 0 through 9, "-" or blank.

Models DASF0925R2(A)(V), DASG0925R2(B)(V) series, where (A) may be H, M, L or E; (B) may be U, H or M; and (V) may be XXXX, where X may be A through Z, 0 through 9, "-" or blank.

Model BASA1225R2(A)(V) series, where (A) may be U, H, or M; and (V) may be XXXX, where X may be A through Z, 0 through 9, "-" or blank.

Models DA06010B24(A)(V), DV09238B48(B)(V), DATA0307R2S(V), DAKA0428R2(C)(V), DBTB0428B2F(V), DASA0510B5(A)(V), DBTC0638B2(C)(V), DASC0815B2(D)(V), DYTF1238B4(C)(V) series, where (A) may be U, H, M or L; (B) may be U or H; (C) may be S, U, H or M; (D) may be U, H, M, L or E; and (V) may be XXXX, where X may be A through Z, 0 through 9, "-" or blank.

Model DATA1551B8MP002 and Models DBTD1551B8U(V) series, where (V) may be XXXX, where X may be A through Z, 0 through 9, "-" or blank.

Models DFPA0856B2(A)(V) series, where (A) may be U, H, M, L or E; and (V) may be xxxx, where x may be A through Z, 0 through 9, "-" or blank.

Models DASC0410B2(A)(V), BATA0613R5H(V), DBTA0838B8G(V), and DBPA1751B2S(V) series, where (A) may be U, H, M, or L; (V) may be xxxx, where x may be A through Z, 0 through 9, "-", or blank.

Models DS05015B05(A)(V), BATA0710R5H(V), BASA0715B2(A)(V), DAKA1225R2(B)(V), DAKB1225R2(B)(V), DAKA1425R2(B)(V), and BATA0710R5M(V) Series, where (A) may be U, H, M, or L; (B) may be M or L; (V) may be xxxx, where x may be A through Z, 0 through 9, "-", or blank.

Models BATA0716R5H(V), BATA0807R5H(V), BASB0815R5(X)(V), DAZA0825RC(X)(V), BAZA1033RC(Y)(V), and DAZA1225RC(Z)(V) series, where (X) may be U, H, or M; (Y) may be U or H; (Z) may be U, H, or L; (V) may be xxxx, where x may be A through Z, 0 through 9, "-", or blank.

Models BASB0925R2(A)(V), DBTA0938B2U(V), BASB1825R2(A)(V) series, where (A) may be U, H or M; (V) may be xxxx, where x may be A through Z, 0 through 9, "-" or blank.

Models DBTA0938B8(A)(V) and DYTH1238B8F(V) series, where (A) may be F, S, U, H, or M; (V) may be xxxx, where x may be A through Z, 0 through 9, "-", or blank.

Model BATA0815R5H(V) series, where (V) may be xxxx, where x may be A through Z, 0 through 9, "-" or blank.

Models DBTD0428B2(A)(V), DBKA0456B2(B)(V), DASA0515R2(C)(V), DAZA0515RC(C)(V), DAPA0625B2(D)(V), BASB0625B2(E)(V), BASB0710R5(F)(V), DASB0810R2(E)(V), DASF0825B2(E)(V), BAKA0925R2H(V), DYTBO925B2M(V), BATA0712R5H(V), DBTB1225B4(G)(V), DBTD1551B8(B)(V), BASA1625R2(H)(V), BASA1825R2(F)(V) series, where (A) may be F, S, U, H, M or L; (B) may be H, M or L; (C) may be U, H, M or L; (D) may be S, U, H, M or L; (E) may be U, H or M; (F) may be H or M; (G) may be F, S or U; (H) may be U or H; (V) may be xxxx, where x may be A through Z, 0 through 9, "-" or blank.

Low voltage fans, Models 1225-12, -24, 1238-12 followed by H, L or M, may be followed by H, L or M, followed by B or S, may be followed by A, B, C, T or X, may be followed by one suffix letter.

Models 0420-5(B)(C)(D), 0420-12(B)(C)(D), 0615-12(B)(C)(D), 0615-24(B)(C)(D), 0620-12(B)(B)(D), 0620-24(B)(B)(D), 0625-12(B)(B)(D), 0625-24(B)(B)(D), 0815-12(B)(C)(D), 0815-24(B)(C)(D), 0825-12(B)(C)(D), 0825-24(B)(C)(D), 0925-12(B)(C)(D)N7, 0925-12(B)(C)(D)B7, 0925-24(B)(C)(D)N7, 0925-24(B)(C)(D)B7, 1225-12(B)(B)(D)N7, 1225-12(B)(B)(D)B7, 1225-24(B)(B)(D)B7, 1225-24(B)(B)(D)N7, 1238-12(B)(B)(D)B3, 1238-12(B)(B)(D)B7, 1238-24(B)(B)(D)B3, 1238-24(B)(B)(D)B7, 5215-5(B)(B)(D), 5215-12(B)(B)(D), where (A) may be 5, 12 or 24, (B) may be H, L or M, (C) may be B or S, (D) may be A, AA, B, BA, T, TA, TL or X.

Model DS8038-12HBP(A)-(B) Series, where (A) may be blank, A or L, (B) may be blank or 01 through 99; Model D(Y)12038(Z)12(C)(V) series, where (Y) may be A through Z or 0 through 9, (Z) may be A, B, C, G, S, T, R or P, (C) may be U, H, M, L or E, (V) may be XXXX, where X may be A through Z, 0 through 9, "-" or blank.

Models B(Y)07525(Z)12(X)(V), B(Y)07525(Z)24(X)(V), D(Y)08015(Z)24(W)(V) series, where (Y) may be A through Z or 0 through 9, (Z) may be A, B, C, G, S, T, R or P, (X) may be H, M or L, (W) may be U, H, M, L or E, (V) may be XXXX, where X may be A through Z, 0 through 9, "-" or blank.

Models D(Y)06013(Z)12(Q)(V), B(Y)04506(Z)05(E)(V) Series, where (Q) may be U, H, M, L or E, (E) may be H, M or L, (Y) may be A through Z or 0 through 9, (Z) may be A, B, C, G, S, T, R or P, (V) may be XXXX, where X may be A through Z, 0 through 9, "-" or blank.

Models B(Y)04812(Z)05H(V), B(Y)06512(Z)05H(V), D(Y)06076(Z)12U(V), B(Y)12054(Z)24F(V), B(Y)12054(Z)24S(V), B(Y)12054(Z)24U(V), B(Y)12054(Z)24H(V) Series, where (Y) may be A through Z or 0 through 9, (Z) may be A, B, C, G, S, T, R or P, (V) may be XXXX, where X may be A through Z, 0 through 9, "-" or blank.

Models DD12038B12(E)(V), DS12038(Z)12(F)(V), D(Y)08020(Z)12(D)(V), D(Y)17251(Z)48(E)(V), DA17251B12H(V), DA17251B12M(V), DA17251B12L(V), DA17251B24(E)(V) Series and Model BN06015B12HP003, where (D) may be U, H, M, L, E or X, (E) may be U, H, M or L, (F) may be U, H, M, L or E, (Y) may be A through Z or 0 through 9, (Z) may be A, B, C, G, S, T, R or P, (V) may be XXXX, where X may be A through Z, 0 through 9, "-" or blank.

Models D(Y)12738(Z)12(A)(V), F7015(Z)12S(V), B(Y)04008(Z)05(B)(V), D(Y)09238(Z)24(B)(V), D(Y)09225T12(C)(V), D(Y)07038(Z)12(D)(V), 2(Y)12038(Z)48(E)(V), D(Y)04056(Z)12U(V) Series, where (A) may be F, S, U, H, M, L or E, (B) may be H, M or L, (C) may be U, H, M, L or E, (D) may be U, H, M, L, E or X, (E) may be U, H or M, (Y) may be A through Z or 0 through 9, (Z) may be A, B, C, G, S, T, R or P, (V) may be XXXX, where X may be A through Z, 0 through 9, "-" or blank.

Model DD12038(Z)48(A)(V) series, where (A) may be H, M, L or E, (Z) may be A, B, C, G, S, T, R or P, (V) may be XXXX, where X may be A through Z, 0 through 9, "-" or blank.

Models D(Y)05020(Z)12(A)(V), D(Y)04020(Z)12(A)(V), B(Y)06015(Z)05(B)(V), B(Y)06015(Z)12(B)(V), D(Y)06038(Z)24(C)(V), D(Y)08025(Z)12H(V), 2(Y)12038(Z)24(D)(V) Series, where (Y) may be A through Z or 0 through 9, (Z) may be A, B, C, G, S, T, R or P, (A) may be S, U, H, M or L, (B) may be H, M or L, (C) may be H, M, L, E or X, (D) may be U, H, M or L, (V) may be XXXX, where X may be A through Z, 0 through 9, "-" or blank.

Model B(Y)08825B12H(V) series where (Y) may be A through Z or 0 through 9, (V) may be XXXX, where X may be A through Z, 0 through 9, "-" or blank.

Models D(Y)04010(Z)12X(V), D(Y)04209(Z)12H(V), DD05010(Z)05U(V), DD05010(Z)12(R)(V), DN05010(Z)12X(V), DA07015(Z)12(Q)(V), DE07015(Z)12(Q)(V), DV04028(Z)24(Q)(V), BA07530(Z)24H(V), DB04028(Z)24(R)(V), 2(Y)09238(Z)12(W)(V), 2(Y)09238(Z)24(W)(V), 2(Y)09238(Z)48(W)(V), D(Y)15051(Z)48S(V), D(Y)15051(Z)48(Q)(V), DB17251(Z)48S(V), DB17251(Z)48(Q)(V), D(Y)14050(Z)24(R)(V), D(Y)14050(Z)48(R)(V), 2(Y)12038(Z)12(I)(V), D(Y)08025(Z)48(T)(V) series, where (Y) may be A through Z or 0 through 9, (Z) may be A, B, C, G, S, T, R or P, (W) may be S, U, H, M, L or E, (R) may be U, H, M or L, (Q) may be U, H, M, L or E, (I) may be U, H or M, (T) may be S, U, H or M, (V) may be XXXX, where X may be A through Z, 0 through 9, "-" or blank.

Model DB04028(Z)12U(V) series, where (Z) may be A, B, C, G, S, T, R or P, (V) may be XXXX, where X may be A through Z, 0 through 9, "-" or blank.

Models BASB0817R5M(V), BASB0817R5L(V), BASB0817R5E(V), BASB1120R2U(V), BASB1120R2H(V), BASB1120R2M(V) series, where (V) may be XXXX, where X may be A through Z, 0 through 9, "-" or blank.

Models DBTB0638B8H(V), BASB0815R2(X)(V), DATB1238B8(Y)(V) series, where (X) may be U, H or M; (Y) may be F, S or U; (V) may be XXXX, where X may be A through Z, 0 through 9, "-" or blank.

Models DS06025B24(Y)(V), and BASA1025R2(X)(V) series, where (X) may be U, H or M; (Y) may be U, H, M or L; (V) may be XXXX, where X may be A through Z, 0 through 9, "-" or blank.

Model DB12038B24HS009; and Models BA18080B24U(V), DAKA0825R4(A)(V), DYT0838B2(B)(V), BAKA1232B2(B)(V), BNTA32C0B8L(V) series, where (A) may be H, M or L; (B) may be U, H, or M; (V) may be xxxx, where x may be A through Z, 0 through 9, "-", or blank.

Models DYT0838B2(A)(V), and DBTB2070B8S(V) series, where (A) may be U, H, M, L or E; (V) may be xxxx, where x may be A through Z, 0 through 9, "-", or blank.

Models DARH0625R2(A)(V), DARH0820R2(A)(V) series, where (A) may be U or H; (V) may be xxxx, where x may be A through Z, 0 through 9, "-" or blank.

Models BNTA0612R5H(V), BATA0805R5U(V) series, where (V) may be xxxx, where x may be A through Z, 0 through 9, "-" or blank.


Models DFPA0880B2U(V) and DFPA0880B8U(V) series, where (V) may be xxxx, where x may be a through z, 0 through 9, "-", or blank.

Models BATA0707R5H(V), DATC0825B2(X)(V), DAKA0932R4(Y)(V), BNTA1025B2H(V), DAPA1232B8U(V), DBPA1232B8S(V), DYPA1238B8(Z)(V), BNTA2271B8H(V), DAKA0825R4U(V) Series, where (X) may be G, F, S, U, H or M; (Y) may be U, H, M or L; (Z) may be S, U, H, M or L; and (V) may be xxxx, where x may be A through Z, 0 through 9, "-" or blank.

Models DYPA1238B2U(V) series, where (V) may be xxxx, where x may be A through Z, 0 through 9, "-" or blank.

Models DASA0510R5(A)(V), DAZA0625B2(B)(V), BASA0813R5(C)(V) and DAS0825B5(C)(V) series, where (A) may be U, H, M or L; (B) may be U, H, M, L, E or X; (C) may be U, H or M; (V) may be xxxx, where x may be A through Z, 0 through 9, "-" or blank.

Model BAAA0505R5U(V) series, where (V) may be xxxx, where x may be A through Z, 0 through 9, "-" or blank.

Marking: Company name or "DATECH", model designation and Recognized Component Mark for Canada 

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