



Product Service

# CERTIFICATE

No. B 05 11 57907 001

**Holder of Certificate:** Cooltron Industrial Supply, Inc.

20468 Carrey Road,  
Walnut CA 91789  
USA

**Certification Mark:**



**Product:**

**Component 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. See also notes overleaf.

**Test report no.:**

612105160001

**Date,** 2005-11-02

*Bill L. -*

Page 1 of 3





**CERTIFICATE**

No. B 05 11 57907 001

**Model(s):**

FD25 Series, FD30 Series, FD40 Series

Difference:

FD 25 10 B 03 W3 - R YYY

A B C D E F G

A - Frame dimension

"25" : 25 x 25 mm

"30" : 30 x 30 mm

"40" : 40 x 40 mm

B - Frame thickness

"07" : 07 mm

"08" : 08 mm

"10" : 10 mm

"20" : 20 mm

"28" : 28 mm

C - Bearing type

"B" : Ball bearing

"S" : Sleeve bearing

"C" : Ball bearing / Sleeve bearing

"F" : Long life bearing

(For FD4010H/M/L/HH12EYYY)

D - Input voltage

"03" : 3.3 Vdc

"05" : 5 Vdc

"12" : 12 Vdc

"24" : 24 Vdc

E - Fan speed

"W3" : Low speed

"W5" : Medium speed

"W7" : High speed

"W9" : Super high speed

"W10" : Triple high speed

"W11" : Fourfold high speed

F - Protect type

"-" : With locked rotor protected circuit

Blank : without locked rotor protected circuit

G - Customer ID

"Y"- Can be 0-9, A-Z or blank circuit

**Parameters:**

Rated input voltage:	3.3, 5, 12 or 24 Vdc
Rated input current:	See attachment
Protection class:	III
Max. ambient temperature:	40°C
Degree of protection against ingress of liquids:	Ordinary

Remark: When installing, all requirements of below mentioned test standards must be fulfilled.  
See attachment(s) for model designation and ratings.

**Tested according to:**

EN 60950-1:2001

**Production Facility(ies):**

48954

**Main-Certificate no.:**

B 04 12 28804 037

Page 2 of 3

*Bill Li*



Taiwan

### Attachment to the Certificate

### No. B 05 11 57907 001

The following models of the Component Fan “FD25 Series, FD30 Series, FD40 Series” will be covered by above certificate:

Model-#	DC Ratings	Model-#	DC Ratings	Difference:
FD2510B03W7-XXX	3.3 Vdc, 0.30 A	FD4020B05W7-xxx	24 Vdc, 0.38 A	<b>FD 25 10 B 03 W3 -R YYY</b> <b>A B C D E F G</b>  <b>A - Frame dimension</b> "25" : 25 x 25 mm "30" : 30 x 30 mm "40" : 40 x 40 mm  <b>B - Frame thickness</b> "07" : 07 mm "08" : 08 mm "10" : 10 mm "20" : 20 mm "28" : 28 mm  <b>C - Bearing type</b> "B" : Ball bearing "S" : Sleeve bearing "C" : Ball bearing / Sleeve bearing "F" : Long life bearing (For FD4010H/M/L/HH12EYYY)  <b>D - Input voltage</b> "03" : 3.3 Vdc "05" : 5 Vdc "12" : 12 Vdc "24" : 24 Vdc  <b>E - Fan speed</b> "W3" : Low speed "W5" : Medium speed "W7" : High speed "W9" : Super high speed "W10" : Tripe high speed "W11" : Fourfold high speed  <b>F - Protect type</b> "-" : With locked rotor protected circuit Blank : without locked rotor protected circuit  <b>G - Customer ID</b> "Y" - Can be 0-9,A-Z or blank circuit
FD2510B03W5-XXX	3.3 Vdc, 0.24 A	FD4020B05W5-xxx	24 Vdc, 0.32 A	
FD2510B03W3-XXX	3.3 Vdc, 0.18 A	FD4020B05W3-XXX	24 Vdc, 0.26 A	
FD2510B05W7-XXX	5 Vdc, 0.20 A	FD4020B12W7-XXX	12 Vdc, 0.20 A	
FD2510B05W5-XXX	5 Vdc, 0.17 A	FD4020B12W5-XXX	12 Vdc, 0.16 A	
FD2510B05W3-XXX	5 Vdc, 0.14 A	FD4020B12W3-XXX	12 Vdc, 0.12 A	
FD2510B12W7-XXX	12 Vdc, 0.14 A	FD4020B24W7-XXX	24 Vdc, 0.11 A	
FD2510B12W5-XXX	12 Vdc, 0.11 A	FD4020B24W5-XXX	24 Vdc, 0.09 A	
FD2510B12W3-XXX	12 Vdc, 0.08 A	FD4020B24W3-XXX	24 Vdc, 0.07 A	
FD3010B03W7-XXX	3.3 Vdc, 0.30 A	FD4020B05W9-RXXX	5 Vdc, 0.44 A	
FD3010B03W5-XXX	3.3 Vdc, 0.24 A	FD4020B05W10-RXXX	5 Vdc, 0.50 A	
FD3010B03W3-XXX	3.3 Vdc, 0.18 A	FD4020B05W11-RXXX	5 Vdc, 0.56 A	
FD3010B05W7-XXX	5 Vdc, 0.20 A	FD4020B12W9-RXXX	12 Vdc, 0.24 A	
FD3010B05W5-XXX	5 Vdc, 0.17 A	FD4020B12W10-RXXX	12 Vdc, 0.28 A	
FD3010B05W3-XXX	5 Vdc, 0.14 A	FD4020B12W11-RXXX	12 Vdc, 0.32 A	
FD3010B12W7-XXX	12 Vdc, 0.14 A	FD4020B24W9-RXXX	24 Vdc, 0.13 A	
FD3010B12W5-XXX	12 Vdc, 0.11 A	FD4020B24W10-RXXX	24 Vdc, 0.15 A	
FD3010B12W3-XXX	12 Vdc, 0.08 A	FD4020B24W11-RXXX	24 Vdc, 0.17 A	
FD4007B05W7-XXX	5 Vdc, 0.26 A	FD4028B12W3-RXXX	12 Vdc, 0.12 A	
FD4007B05W5-XXX	5 Vdc, 0.20 A	FD4028B12W5-RXXX	12 Vdc, 0.22 A	
FD4007B05W3-XXX	5 Vdc, 0.14 A	FD4028B12W7-RXXX	12 Vdc, 0.28 A	
FD4007B12W7-XXX	12 Vdc, 0.16 A	FD4028B12W9-RXXX	12 Vdc, 0.42 A	
FD4007B12W5-XXX	12 Vdc, 0.12 A	FD4028B12W10-RXXX	12 Vdc, 0.58 A	
FD4007B12W3-XXX	12 Vdc, 0.08 A	FD4028B12W11-RXXX	12 Vdc, 0.66 A	
FD4008B05W7-XXX	5 Vdc, 0.28 A			
FD4008B05W5-XXX	5 Vdc, 0.24 A			
FD4008B05W3-XXX	5 Vdc, 0.20 A			
FD4008B12W7-XXX	12 Vdc, 0.18 A			
FD4008B12W5-XXX	12 Vdc, 0.14 A			
FD4008B12W3-XXX	12 Vdc, 0.10 A			
FD4010B03W7-XXX	3.3 Vdc, 0.34 A			
FD4010B03W5-XXX	3.3 Vdc, 0.28 A			
FD4010B03W3-XXX	3.3 Vdc, 0.22 A			
FD4010B05W7-XXX	5 Vdc, 0.42 A			
FD4010B05W5-XXX	5 Vdc, 0.19 A			
FD4010B05W3-XXX	5 Vdc, 0.16 A			
FD4010B12W7-XXX	12 Vdc, 0.18 A			
FD4010B12W5-XXX	12 Vdc, 0.16 A			
FD4010B12W3-XXX	12 Vdc, 0.14 A			
FD4010B12W9-XXX	12 Vdc, 0.16 A			
FD4010B24W7-XXX	24 Vdc, 0.10 A			
FD4010B24W5-XXX	24 Vdc, 0.09 A			
FD4010B24W3-XXX	24 Vdc, 0.08 A			

Date: 2005-11-02



Testing Laboratory

Bill Lin



Product Service

# CERTIFICATE

No. B 05 11 57907 002

**Holder of Certificate:** Cooltron Industrial Supply, Inc.

20468 Carrey Road,  
Walnut CA 91789  
USA

**Certification Mark:**



**Product:** Component 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. See also notes overleaf.

**Test report no.:** 612105160101

**Date,** 2005-11-02

*Bill L.*

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**CERTIFICATE**

No. B 05 11 57907 002

**Model(s):**

FD45 Series, FD50 Series, FD52 Series

Difference:

FD 45 10 B 03 W3 - R YYY

A B C D E F G

A - Frame dimension

"45" : 45 x 45 mm

"50" : 50 x 50 mm

"50" : 52 x 52 mm

B - Frame thickness

"10" : 10 mm

"15" : 15 mm

"20" : 20 mm

C - Bearing type

"B" : Ball bearing

"S" : Sleeve bearing

"C" : Ball bearing / Sleeve bearing

"F" : Long life bearing

D - Input voltage

"05" : 5 Vdc

"12" : 12 Vdc

"24" : 24 Vdc

E - Fan speed

"W2" : Less Low speed

"W3" : Low speed

"W5" : Middle speed

"W7" : High speed

"W9" : Super high speed

F - Protect type

"-" : Normal

Blank : Protect provided

G - Customer ID

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

**Parameters:**

Rated input voltage:	5, 12 or 24 Vdc
Rated input current:	See attachment
Protection class:	III
Max. ambient temperature:	40°C
Degree of protection against ingress of liquids:	Ordinary

Remark: When installing, all requirements of below mentioned test standards must be fulfilled.  
See attachment(s) for model designation and ratings.

**Tested according to:**

EN 60950-1:2001

**Production Facility(ies):**

48954

**Main-Certificate no.:**

B 04 12 28804 038

*Bill ✓*

**Attachment to the Certificate**

**No. B 05 11 57907 002**

**The following models of the Component Fan “FD45 Series, FD50 Series, FD52 Series” will be covered by above certificate:**

<u>Model-#</u>	<u>DC Ratings</u>	<u>Difference:</u>
FD4510B05W7-XXX	5Vdc, 0.38A	<b>FD 45 10 B 03 W3 - R YYY</b> <b>A B C D E F G</b>  <b>A - Frame dimension</b> "45" : 45 x 45 mm "50" : 50 x 50 mm "50" : 52 x 52 mm  <b>B - Frame thickness</b> "10" : 10 mm "15" : 15 mm "20" : 20 mm  <b>C - Bearing type</b> "B" : Ball bearing "S" : Sleeve bearing "C" : Ball bearing / Sleeve bearing "F" : Long life bearing  <b>D - Input voltage</b> "05" : 5 Vdc "12" : 12 Vdc "24" : 24 Vdc  <b>E - Fan speed</b> "W2" : Less Low speed "W3" : Low speed "W5" : Middle speed "W7" : High speed "W9" : Super high speed  <b>F - Protect type</b> "-" : Normal Blank : Protect provided  <b>G - Customer ID</b> "Y" – can be 0-9,A-Z or blank
FD4510B05W5-XXX	5Vdc, 0.28A	
FD4510B05W3-XXX	5Vdc, 0.18A	
FD4510B12W7-XXX	12Vdc, 0.23A	
FD4510B12W5-XXX	12Vdc, 0.15A	
FD4510B12W3-XXX	12Vdc, 0.10A	
FD4510B24W7-XXX	24Vdc, 0.14A	
FD4510B24W5-XXX	24Vdc, 0.11A	
FD4510B24W3-XXX	24Vdc, 0.08A	
FD5010B05W7-XXX	5Vdc, 0.30A	
FD5010B05W5-XXX	5Vdc, 0.24A	
FD5010B05W3-XXX	5Vdc, 0.18A	
FD5010B12W7-XXX	12Vdc, 0.14A	
FD5010B12W5-XXX	12Vdc, 0.11A	
FD5010B12W3-XXX	12Vdc, 0.08A	
FD5010B24W7-XXX	24Vdc, 0.12A	
FD5010B24W5-XXX	24Vdc, 0.10A	
FD5010B24W3-XXX	24Vdc, 0.08A	
FD5015B05W7-XXX	5Vdc, 0.65A	
FD5015B05W5-XXX	5Vdc, 0.50A	
FD5015B05W3-XXX	5Vdc, 0.35A	
FD5015B12W7-XXX	12Vdc, 0.25A	
FD5015B12W5-XXX	12Vdc, 0.20A	
FD5015B12W3-XXX	12Vdc, 0.15A	
FD5015B12W9-RXXX	12Vdc, 0.30A	
FD5015B24W7-XXX	24Vdc, 0.14A	
FD5015B24W5-XXX	24Vdc, 0.12A	
FD5015B24W3-XXX	24Vdc, 0.10A	
FD5015B24W9-RXXX	24Vdc, 0.16A	
FD5020B12W7-XXX	12Vdc, 0.24A	
FD5020B12W5-XXX	12Vdc, 0.20A	
FD5020B12W3-XXX	12Vdc, 0.16A	
FD5210B05W7-XXX	5Vdc, 0.30A	
FD5210B05W5-XXX	5Vdc, 0.24A	
FD5210B05W3-XXX	5Vdc, 0.18A	
FD5210B24W7-XXX	24Vdc, 0.12A	
FD5210B24W5-XXX	24Vdc, 0.10A	
FD5210B24W3-XXX	24Vdc, 0.08A	
FD5210B12W7-XXX	12Vdc, 0.14A	
FD5210B12W5-XXX	12Vdc, 0.11A	
FD5210B12W3-XXX	12Vdc, 0.08A	

Date: 2005-11-02



Testing Laboratory

Bill Lin



Product Service

# CERTIFICATE

No. B 05 11 57907 003

**Holder of Certificate:** Cooltron Industrial Supply, Inc.  
20468 Carrey Road,  
Walnut CA 91789  
USA

**Certification Mark:**



**Product:** Component 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. See also notes overleaf.

**Test report no.:** 612105160201

**Date,** 2005-11-02

*Bill L.*

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**CERTIFICATE**

No. B 05 11 57907 003

**Model(s):**

FD60 Series, FD70 Series, FD80 Series

Difference:

FD 60 10 B 05 W3 - R YYY

A B C D E F G

A – Frame dimension

“60” : 60 x 60 mm

“70” : 70 x 70 mm

“80” : 80 x 80 mm

B – Frame thickness

“15” : 15 x 15 mm “25” : 25 x 25 mm

“10” : 10 x 10 mm “20” : 20 x 20 mm

“38” : 38 x 38 mm

C – Bearing type

“B” : Ball bearing “S” : Sleeve bearing

“C” : Ball / Sleeve bearing “F” : Long life bearing

D – Input voltage

“05” : 5 Vdc “07” : 7 Vdc

“12” : 12 Vdc “20” : 20 Vdc

“24” : 24 Vdc “48” : 48 Vdc

E – Fan speed

“W1” : Tripe low speed “W2” : Super low speed

“W3” : Low speed “W2” : Middle speed

“W7” : High speed “W9” : Super high speed

“W10” : Tripe high speed “W11” : Fourfold high speed

F – Protect type

“-“ : With locked rotor protected circuit

Blank : without locked rotor protected circuit

G – Customer ID

“Y” Can be 0-9, A-Z or blank

**Parameters:**

Rated input voltage: 5, 7, 12, 24 or 48 Vdc

Rated input current: See attachment

Protection class: III

Max. ambient temperature: 40°C

Degree of protection against ingress of liquids: Ordinary

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

See attachment(s) for model designation and ratings.

**Tested according to:**

EN 60950-1:2001

**Production Facility(ies):**

48954

**Main-Certificate no.:**

B 04 12 28804 039

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*Bill*



Taiwan

**Attachment to the Certificate**

**No. B 05 11 57907 003**

**The following models of the Component Fan “FD60 Series, FD70 Series, FD80 Series” will be covered by above certificate:**

Model-#	DC Ratings	Model-#	DC Ratings	Difference
FD6010B12W9-XXX	12 Vdc, 0.30 A	FD6025B05W5-RXXX	5 Vdc, 0.35 A	FD 60 10 B 05 W3 - R YYY A B C D E F G
FD6010B12W7-XXX	12 Vdc, 0.25 A	FD6025B05W3-RXXX	5 Vdc, 0.18 A	
FD6010B12W5-XXX	12 Vdc, 0.20 A	FD6025B05W2-RXXX	5 Vdc, 0.12 A	A – Frame dimension “60” : 60 x 60 mm “70” : 70 x 70 mm “80” : 80 x 80 mm
FD6010B12W3-XXX	12 Vdc, 0.15 A	FD6025B05W1-RXXX	5 Vdc, 0.08 A	
FD6010B12W2-XXX	12 Vdc, 0.08 A	FD6025B05W9-XXX	5 Vdc, 0.65 A	
FD6010B12W2-RXXX	12 Vdc, 0.08 A	FD6025B05W7-XXX	5 Vdc, 0.50 A	B – Frame thickness “15” : 15 x 15 mm “25” : 25 x 25 mm “10” : 10 x 10 mm “20” : 20 x 20 mm “38” : 38 x 38 mm
FD6010B12W1-XXX	12 Vdc, 0.05 A	FD6025B05W5-XXX	5 Vdc, 0.35 A	
FD6010B12W1-RXXX	12 Vdc, 0.05 A	FD6025B05W3-XXX	5 Vdc, 0.18 A	
FD6010B05W7-XXX	5 Vdc, 0.55 A	FD6025B05W2-XXX	5 Vdc, 0.12 A	C – Bearing type “B” : Ball bearing “S” : Sleeve bearing “C” : Ball / Sleeve bearing “F” : Long life bearing
FD6010B05W5-XXX	5 Vdc, 0.45 A	FD6025B05W1-XXX	5 Vdc, 0.08 A	
FD6010B05W3-XXX	5 Vdc, 0.35 A	FD6025B24W11-RXXX	24 Vdc, 0.35 A	
FD6010B24W7-XXX	24 Vdc, 0.16 A	FD6025B24W10-RXXX	24 Vdc, 0.28 A	D – Input voltage “05” : 5 Vdc “07” : 7 Vdc “12” : 12 Vdc “20” : 20 Vdc “24” : 24 Vdc “48” : 48 Vdc
FD6010B24W5-XXX	24 Vdc, 0.13 A	FD6025B24W9-RXXX	24 Vdc, 0.18 A	
FD6010B24W3-XXX	24 Vdc, 0.10 A	FD6025B24W7-RXXX	24 Vdc, 0.16 A	
FD6010B24W9-XXX	24 Vdc, 0.19 A	FD6025B24W5-RXXX	24 Vdc, 0.14 A	E – Fan speed “W1” : Tripe low speed “W2” : Super low speed “W3” : Low speed “W5” : Middle speed “W7” : High speed “W9” : Super high speed “W10” : Tripe high speed “W11” : Fourfold high speed
		FD6025B24W3-RXXX	24 Vdc, 0.12 A	
FD6015B05W3-XXX	5 Vdc, 0.55 A	FD6025B24W2-RXXX	24 Vdc, 0.05 A	
FD6015B05W5-XXX	5 Vdc, 0.70 A	FD6025B24W9-RXXX	24 Vdc, 0.18 A	F – Protect type “-“ : With locked rotor protected circuit Blank : without locked rotor protected circuit
FD6015B05W7-XXX	5 Vdc, 0.85 A	FD6025B24W7-RXXX	24 Vdc, 0.16 A	
FD6015B12W3-XXX	12 Vdc, 0.15 A	FD6025B24W5-XXX	24 Vdc, 0.14 A	
FD6015B12W5-XXX	12 Vdc, 0.25 A	FD6025B24W3-XXX	24 Vdc, 0.12 A	G – Customer ID “Y” Can be 0-9, A-Z or blank
FD6015B12W7-XXX	12 Vdc, 0.35 A	FD6025B24W2-XXX	24 Vdc, 0.05 A	
FD6015B12W9-RXXX	12 Vdc, 0.45 A	FD6025B48W11-RXXX	48 Vdc, 0.20 A	
FD6015B05W2-XXX	12 Vdc, 0.08 A	FD6025B48W10-RXXX	48 Vdc, 0.14 A	
FD6015B05W2-RXXX	12 Vdc, 0.08 A	FD6025B48W9-RXXX	48 Vdc, 0.11 A	
FD6015B24W9-RXXX	24 Vdc, 0.25 A	FD6025B48W7-RXXX	48 Vdc, 0.08 A	
FD6015B24W3-XXX	24 Vdc, 0.10 A	FD6025B48W5-RXXX	48 Vdc, 0.07 A	
FD6015B24W5-XXX	24 Vdc, 0.15 A	FD6025B48W3-RXXX	48 Vdc, 0.06 A	
FD6015B24W7-XXX	24 Vdc, 0.20 A	FD6025B48W2-RXXX	48 Vdc, 0.05 A	
		FD7010B12W3-XXX	12 Vdc, 0.20 A	
FD6020B05W7-XXX	5 Vdc, 0.30 A	FD7010B12W5-XXX	12 Vdc, 0.25 A	
FD6020B05W5-XXX	5 Vdc, 0.24 A	FD7010B12W7-XXX	12 Vdc, 0.30 A	
FD6020B05W3-XXX	5 Vdc, 0.18 A	FD7010B24W3-XXX	24 Vdc, 0.10 A	
FD6020B12W7-RXXX	12 Vdc, 0.16 A	FD7010B24W5-XXX	24 Vdc, 0.13 A	
FD6020B12W7-XXX	12 Vdc, 0.16 A	FD7010B24W7-XXX	24 Vdc, 0.16 A	
FD6020B12W5-XXX	12 Vdc, 0.14 A	FD7010B12W9-RXXX	12 Vdc, 0.39 A	
FD6020B12W3-XXX	12 Vdc, 0.12 A	FD7010B12W10-RXXX	12 Vdc, 0.44 A	
FD6020B12W2-XXX	12 Vdc, 0.10 A	FD7010B24W9-RXXX	24 Vdc, 0.19 A	
FD6020B24W11-RXXX	24 Vdc, 0.18 A	FD7010B24W10-RXXX	24 Vdc, 0.30 A	
FD6020B24W10-RXXX	24 Vdc, 0.15 A	FD7010B24W11-RXXX	24 Vdc, 0.35 A	
FD6020B24W9-RXXX	24 Vdc, 0.13 A			
FD6020B24W7-RXXX	24 Vdc, 0.12 A	FD7015B12W3-XXX	12 Vdc, 0.15 A	
FD6020B24W5-RXXX	24 Vdc, 0.10 A	FD7015B12W5-XXX	12 Vdc, 0.25 A	
FD6020B24W3-RXXX	24 Vdc, 0.08 A	FD7015B12W7-XXX	12 Vdc, 0.40 A	
FD6020B24W2-RXXX	24 Vdc, 0.06 A	FD7015B12W9-XXX	12 Vdc, 0.50 A	
FD6020B24W9-XXX	24 Vdc, 0.13 A	FD7015B12W3-XXX	12 Vdc, 0.15 A	
FD6020B24W7-XXX	24 Vdc, 0.12 A	FD7015B12W5-XXX	12 Vdc, 0.25 A	
FD6020B24W5-XXX	24 Vdc, 0.10 A	FD7015B12W7-XXX	12 Vdc, 0.40 A	
FD6020B24W3-XXX	24 Vdc, 0.08 A	FD7015B12W9-XXX	12 Vdc, 0.50 A	
FD6020B24W2-XXX	24 Vdc, 0.06 A	FD7015B24W3-XXX	24 Vdc, 0.10 A	
		FD7015B24W5-XXX	24 Vdc, 0.15 A	
FD6025B12W11-RXXX	12 Vdc, 0.55 A	FD7015B24W7-XXX	24 Vdc, 0.20 A	
FD6025B12W10-RXXX	12 Vdc, 0.85 A	FD7015B24W9-XXX	24 Vdc, 0.30 A	
FD6025B12W9-RXXX	12 Vdc, 0.45 A	FD7015B07W10-XXX	7 Vdc, 0.07 A	
FD6025B12W7-XXX	12 Vdc, 0.25 A			
FD6025B12W5-XXX	12 Vdc, 0.20 A			
FD6025B12W3-XXX	12 Vdc, 0.15 A			
FD6025B05W9-RXXX	5 Vdc, 0.65 A			
FD6025B05W7-RXXX	5 Vdc, 0.50 A			



### Attachment to the Certificate

No. B 05 11 57907 003

The following models of the Component Fan “FD60 Series, FD70 Series, FD80 Series” will be covered by above certificate:

Model-#	DC Ratings	Model-#	DC Ratings	Difference
FD7025B12W9-RXXX	12 Vdc, 0.60 A	FD8025B12W9-RXXX	12 Vdc, 0.55 A	FD 60 10 B 05 W3 -R YYY A B C D E F G
FD7025B12W10-RXXX	12 Vdc, 0.85 A	FD8025B12W9-XXX	12 Vdc, 0.34 A	
FD7025B12W11-RXXX	12 Vdc, 1.00 A	FD8025B12W7-XXX	12 Vdc, 0.24 A	A – Frame dimension “60”: 60 x 60 mm “70”: 70 x 70 mm “80”: 80 x 80 mm
FD7025B24W9-RXXX	24 Vdc, 0.25 A	FD8025B12W7-RXXX	12 Vdc, 0.30 A	
FD7025B24W10-RXXX	24 Vdc, 0.40 A	FD8025B12W5-RXXX	12 Vdc, 0.12 A	
FD7025B24W11-RXXX	24 Vdc, 0.55 A	FD8025B12W5-XXX	12 Vdc, 0.19 A	B – Frame thickness “15”: 15 x 15 mm “25”: 25 x 25 mm “10”: 10 x 10 mm “20”: 20 x 20 mm “38”: 38 x 38 mm
FD7025B12W3-RXXX	12 Vdc, 0.13 A	FD8025B12W3-XXX	12 Vdc, 0.14 A	
FD7025B12W5-RXXX	12 Vdc, 0.21 A	FD8025B12W10-RXXX	12 Vdc, 0.65 A	
FD7025B12W7-RXXX	12 Vdc, 0.30 A	FD8025B24W7-XXX	24 Vdc, 0.12 A	C – Bearing type “B”: Ball bearing “S”: Sleeve bearing “C”: Ball / Sleeve bearing “F”: Long life bearing
FD7025B24W3-RXXX	24 Vdc, 0.10 A	FD8025B24W7-RXXX	24 Vdc, 0.14 A	
FD7025B24W5-RXXX	24 Vdc, 0.15 A	FD8025B24W5-XXX	24 Vdc, 0.12 A	
FD7025B24W7-RXXX	24 Vdc, 0.20 A	FD8025B24W5-RXXX	24 Vdc, 0.11 A	D – Input voltage “05”: 5 Vdc “07”: 7 Vdc “12”: 12 Vdc “20”: 20 Vdc “24”: 24 Vdc “48”: 48 Vdc
FD8015B12W9-RXXX	12 Vdc, 0.50 A	FD8025B24W3-XXX	24 Vdc, 0.08 A	
FD7025B12W10-RXXX	12 Vdc, 1.00 A	FD8025B24W3-RXXX	24 Vdc, 0.07 A	
FD7025B12W11-RXXX	12 Vdc, 1.30 A	FD8025B24W9-RXXX	24 Vdc, 0.23 A	C – Fan speed “W1”: Triple low speed “W2”: Super low speed “W3”: Low speed “W5”: Middle speed “W7”: High speed “W9”: Super high speed “W10”: Triple high speed “W11”: Fourfold high speed
FD8015B24W9-RXXX	24 Vdc, 0.35 A	FD8025B24W10-RXXX	24 Vdc, 0.30 A	
FD8015B24W10-RXXX	24 Vdc, 0.50 A	FD8025B24W11-RXXX	24 Vdc, 0.55 A	
FD8015B24W11-RXXX	24 Vdc, 0.65 A	FD8025B12W2-XXX	12 Vdc, 0.05 A	F – Protect type “-”: With locked rotor protected circuit Blank : without locked rotor protected circuit
FD8015B12W3-RXXX	12 Vdc, 0.15 A	FD8025B12W2-RXXX	12 Vdc, 0.05 A	
FD8015B12W5-RXXX	12 Vdc, 0.25 A	FD8025B20W11-RXXX	20 Vdc, 0.64 A	
FD8015B12W7-RXXX	12 Vdc, 0.35 A	FD8025B20W10-RXXX	20 Vdc, 0.38 A	G – Customer ID “Y” Can be 0-9, A-Z or blank
FD8015B12W7-XXX	12 Vdc, 0.35 A	FD8025B20W9-RXXX	20 Vdc, 0.28 A	
FD8015B24W3-RXXX	24 Vdc, 0.10 A	FD8025B20W7-RXXX	20 Vdc, 0.18 A	
FD8015B24W5-RXXX	24 Vdc, 0.15 A	FD8025B20W5-RXXX	20 Vdc, 0.08 A	
FD8015B24W7-RXXX	24 Vdc, 0.25 A	FD8025B20W3-RXXX	20 Vdc, 0.06 A	
FD8015B24W3-XXX	24 Vdc, 0.10 A	FD8025B20W2-RXXX	20 Vdc, 0.04 A	
FD8015B24W5-XXX	24 Vdc, 0.15 A	FD8025B20W9-XXX	20 Vdc, 0.28 A	
FD8015B24W7-XXX	24 Vdc, 0.25 A	FD8025B20W7-XXX	20 Vdc, 0.18 A	
FD8015B12W3-XXX	12 Vdc, 0.15 A	FD8025B20W5-XXX	20 Vdc, 0.08 A	
FD8015B12W5-XXX	12 Vdc, 0.25 A	FD8025B20W3-XXX	20 Vdc, 0.06 A	
		FD8025B20W2-XXX	20 Vdc, 0.04 A	
FD8020B12W7-XXX	12 Vdc, 0.22 A			
FD8020B12W5-XXX	12 Vdc, 0.17 A	FD8038B12W3-RXXX	12 Vdc, 0.20 A	
FD8020B12W3-XXX	12 Vdc, 0.12 A	FD8038B12W5-RXXX	12 Vdc, 0.35 A	
FD8020B12W10-RXXX	12 Vdc, 0.60 A	FD8038B12W7-RXXX	12 Vdc, 0.60 A	
FD8020B12W9-RXXX	12 Vdc, 0.50 A	FD8038B12W9-RXXX	12 Vdc, 1.00 A	
FD8020B24W11-RXXX	24 Vdc, 0.50 A	FD8038B24W3-RXXX	24 Vdc, 0.15 A	
FD8020B24W10-RXXX	24 Vdc, 0.36 A	FD8038B24W5-RXXX	24 Vdc, 0.25 A	
FD8020B24W9-RXXX	24 Vdc, 0.25 A	FD8038B24W7-RXXX	24 Vdc, 0.45 A	
FD8020B24W7-RXXX	24 Vdc, 0.18 A	FD8038B24W9-RXXX	24 Vdc, 0.60 A	
FD8020B24W5-RXXX	24 Vdc, 0.14 A			
FD8020B24W3-RXXX	24 Vdc, 0.10 A			
FD8020B24W2-RXXX	24 Vdc, 0.05 A			
FD8020B24W7-XXX	24 Vdc, 0.18 A			
FD8020B24W5-XXX	24 Vdc, 0.14 A			
FD8020B24W3-XXX	24 Vdc, 0.10 A			
FD8020B24W2-XXX	24 Vdc, 0.05 A			
FD8020B48W7-RXXX	48 Vdc, 0.12 A			
FD8020B48W9-RXXX	48 Vdc, 0.14 A			
FD8020B48W10-RXXX	48 Vdc, 0.18 A			

Date: 2005-11-02



Testing Laboratory

Bill Lin



Product Service

# CERTIFICATE

No. B 05 11 57907 004

**Holder of Certificate:** Cooltron Industrial Supply, Inc.

20468 Carrey Road,  
Walnut CA 91789  
USA

**Certification Mark:**



**Product:**

**Component 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. See also notes overleaf.

**Test report no.:**

612105160301

**Date,** 2005-11-02

*Bill L.*

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**CERTIFICATE**

**No. B 05 11 57907 004**

**Model(s):**

FD92 Series, FD12 Series  
 Difference:  
 FD 92 25 B 12 W3 - R YYY  
     A B C D E F G  
**A – Frame dimension**  
     "92 " : 92 x 92 mm  
     "12" : 120 x 120 mm  
**B – Frame thickness .**  
     "25" : 25 mm  
     "38" : 38 mm  
**C – Bearing type**  
     "B" : Ball bearing  
     "S" : Sleeve bearing  
     "C" : Ball / Sleeve bearing  
     "F" : Long life bearing  
**D – Input voltage**  
     "12" : 12 Vdc  
     "24" : 24 Vdc  
     "48" : 48 Vdc  
**E – Fan speed**  
     "W1" : Tripe low speed  
     "W2" : Super low speed  
     "W3" : Low speed  
     "W5" : Middle speed  
     "W7" : High speed  
     "W9" : Super high speed  
     "W10" : Tripe high speed  
     "W11" : Fourfold high speed  
**F – Protect type**  
     "-" : With locked rotor protected circuit  
     Blank: without locked rotor protected circuit  
**G – Customer ID**  
     "Y" – can be 0-9, A-Z or blank

**Parameters:**

Rated input voltage:	12, 24 or 48 Vdc
Rated input current:	See attachment
Protection class:	III
Max. ambient temperature:	40°C
Degree of protection against ingress of liquids:	Ordinary

Remark: When installing, all requirements of below  
 mentioned test standards must be fulfilled.  
 See attachment(s) for model designation and ratings.

**Tested according to:**

EN 60950-1:2001

**Production Facility(ies):**

48954

**Main-Certificate no.:**

B 04 12 28804 040

Page 2 of 3

*Pill*



Taiwan

### Attachment to the Certificate

### No. B 05 11 57907 004

The following models of the Component Fan “FD92 Series, FD12 Series” will be covered by above certificate:

Model-#	DC Ratings	Model-#	DC Ratings	Difference
FD9225B12W9-RXXX	12 Vdc, 0.45 A	FD1225B24W3-RXXX	24 Vdc, 0.20 A	<b>FD 92 25 B 12 W3 -R YYY</b> <b>A B C D E F G</b>  <b>A – Frame dimension</b> “92 “ : 92 x 92 mm “12” : 120 x 120 mm  <b>B – Frame thickness</b> “25” : 25 mm “38” : 38 mm  <b>C – Bearing type</b> “B” : Ball bearing “S” : Sleeve bearing “C” : Ball / Sleeve bearing “F” : Long life bearing  <b>D – Input voltage</b> “12” : 12 Vdc “24” : 24 Vdc “48” : 48 Vdc  <b>E – Fan speed</b> “W1” : Tripe low speed “W2” : Super low speed “W3” : Low speed “W5” : Middle speed “W7” : High speed “W9” : Super high speed “W10” : Tripe high speed “W11” : Fourfold high speed  <b>F – Protect type</b> “-“ : With locked rotor protected circuit Blank: without locked rotor protected circuit  <b>G – Customer ID</b> “Y” – can be 0-9, A-Z or blank
FD9225B12W7-RXXX	12 Vdc, 0.32 A	FD1225B24W3-XXX	24 Vdc, 0.20 A	
FD9225B12W7-XXX	12 Vdc, 0.32 A	FD1225B24W5-RXXX	24 Vdc, 0.30 A	
FD9225B12W5-RXXX	12 Vdc, 0.28 A	FD1225B24W7-RXXX	24 Vdc, 0.40 A	
FD9225B12W5-XXX	12 Vdc, 0.28 A	FD1225B48W3-RXXX	48 Vdc, 0.15 A	
FD9225B12W3-RXXX	12 Vdc, 0.24 A	FD1225B48W3-XXX	48 Vdc, 0.15 A	
FD9225B12W3-XXX	12 Vdc, 0.24 A	FD1225B48W5-RXXX	48 Vdc, 0.20 A	
FD9225B24W9-RXXX	24 Vdc, 0.30 A	FD1225B48W7-RXXX	48 Vdc, 0.25 A	
FD9225B24W11-RXXX	24 Vdc, 0.35 A			
FD9225B24W7-RXXX	24 Vdc, 0.18 A	FD1238B12W3-RXXX	12 Vdc, 0.50 A	
FD9225B24W5-RXXX	24 Vdc, 0.14 A	FD1238B12W5-RXXX	12 Vdc, 0.70 A	
FD9225B24W5-XXX	24 Vdc, 0.14 A	FD1238B12W7-RXXX	12 Vdc, 0.90 A	
FD9225B24W3-RXXX	24 Vdc, 0.10 A	FD1238B12W9-RXXX	12 Vdc, 1.50 A	
FD9225B48W9-RXXX	48 Vdc, 0.20 A	FD1238B24W3-RXXX	24 Vdc, 0.30 A	
FD9225B48W10-RXXX	48 Vdc, 0.26 A	FD1238B24W5-RXXX	24 Vdc, 0.40 A	
FD9225B48W11-RXXX	48 Vdc, 0.32 A	FD1238B24W7-RXXX	24 Vdc, 0.50 A	
FD9225B48W3-RXXX	48 Vdc, 0.08 A	FD1238B24W9-RXXX	24 Vdc, 0.70 A	
FD9225B48W5-RXXX	48 Vdc, 0.12 A	FD1238B48W3-RXXX	48 Vdc, 0.20 A	
FD9225B48W7-RXXX	48 Vdc, 0.16 A	FD1238B48W5-RXXX	48 Vdc, 0.30 A	
FD9225B12W10-RXXX	12 Vdc, 0.75 A	FD1238B48W7-RXXX	48 Vdc, 0.40 A	
FD9225B12W11-RXXX	12 Vdc, 1.0 A	FD1238B48W9-RXXX	48 Vdc, 0.50 A	
FD9238B12W3-RXXX	12 Vdc, 0.25 A			
FD9238B12W5-RXXX	12 Vdc, 0.40 A			
FD9238B12W7-RXXX	12 Vdc, 0.60 A			
FD9238B12W9-RXXX	12 Vdc, 0.90 A			
FD9238B12W10-RXXX	12 Vdc, 1.30 A			
FD9238B24W3-RXXX	24 Vdc, 0.15 A			
FD9238B24W5-RXXX	24 Vdc, 0.25 A			
FD9238B24W7-RXXX	24 Vdc, 0.45 A			
FD9238B24W9-RXXX	24 Vdc, 0.60 A			
FD9238B24W10-RXXX	24 Vdc, 0.90 A			
FD1225B12W1-XXX	12 Vdc, 0.10 A			
FD1225B12W1-RXXX	12 Vdc, 0.10 A			
FD1225B12W2-XXX	12 Vdc, 0.18 A			
FD1225B12W2-RXXX	12 Vdc, 0.18 A			
FD1225B12W3-RXXX	12 Vdc, 0.40 A			
FD1225B12W3-XXX	12 Vdc, 0.40 A			
FD1225B12W5-RXXX	12 Vdc, 0.60 A			
FD1225B12W7-RXXX	12 Vdc, 0.80 A			
FD1225B12W9-RXXX	12 Vdc, 1.20 A			

Date: 2005-11-02



Testing Laboratory

Bill Lin