

File E132003
Project 99NK44229

Issued: February 4, 2000
Revised: August 27, 2005

REPORT

on

COMPONENT - FANS, ELECTRIC

Delta Electronics Inc.
Taoyuan Hsien, Taiwan

Copyright © 2000 Underwriters Laboratories Inc.

Underwriters Laboratories Inc. authorizes the above named company to reproduce this Report provided it is reproduced in its entirety.

Underwriters Laboratories Inc. authorizes the above named company to reproduce that portion of this Report consisting of this Cover Page through Page 3.

DESCRIPTION

PRODUCT COVERED:

USR, CNR Component - DC Fans, Models see "ELECTRICAL RATINGS" for details.

ELECTRICAL RATINGS:

Model Nos.	V, dc	mA
EFB1512LG	12	1300
EFB1512MG	12	1600
EFB1512HG	12	2200
EFB1512HHG	12	3200
EFB1712LG	12	1300
EFB1712MG	12	1600
EFB1712HG	12	2200
EFB1712HHG	12	3200
EFB1524LG	24	700
EFB1524MG	24	800
EFB1524HG	24	1000
EFB1524HHG	24	1300
EFB1524VHG	24	1700
EFB1524SHG	24	2100
EFB1724LG	24	700
EFB1724MG	24	800
EFB1724HG	24	1000
EFB1724HHG	24	1300
EFB1724VHG	24	1700
EFB1724SHG	24	2100
EFB1724EHG (Y)	24	1920
EFB1724GHG (Y)	24	2280
AFB1524LG (Y)	24	1080
AFB1524MG (Y)	24	1440
AFB1524HG (Y)	24	2100
AFB1524HHG (Y)	24	2520
AFB1548LG (Y)	48	600
AFB1548MG (Y)	48	740
AFB1548HG (Y)	48	960
AFB1548HHG (Y)	48	1330
EFB1524VHGBLJ (Y5)	24	1700
BSB0712HN-00 (Y6)	12	0.85
BSB0912HN-00 (Y6)	12	0.85
BSB0712HD-00 (Y6)	12	0.85

DESCRIPTION

PRODUCT COVERED:

USR, CNR Component - DC Fans, Models see "ELECTRICAL RATINGS" for details.

ELECTRICAL RATINGS:

Model Nos.	V, dc	mA
THB1748MG(Y9)	48	2.35
THB1548EG-00(Y6)	48	4.75
THB1548VG-00(Y6)	48	3.0
QFR0912EJ-00(Y6)	12	1.46
QFR0924EJ-00(Y6)	24	0.55
QFR0912VJ-00(Y6)	12	0.60
TGM0612SS-00(Y6)	12	8.00
EFC1248VF-00(Y6)	48	0.8
THB1512EG-00(Y6)	12	6.00

Note:

Model THB1548EG-00(Y6) are identical to THB1548VG-00(Y6) except rating and model designation respectively.

Model QFR0912EJ-00(Y6) are identical to QFR0924EJ-00(Y6) and QFR0912VJ-00(Y6) except rating and model designation respectively.

Note: The content in "()" is optional. The number after Y represents digits, each digit may be A through Z, 0 through 9, "-" or blank. And the Y is only for locating the number, shall not show in the model name.

ENGINEERING CONSIDERATIONS (NOT FOR FIELD REPRESENTATIVE USE):

USR indicates investigation to Standard for Electric Fans, UL 507.

CNR indicates investigation to the Canadian Standard for Fans and Ventilators, CSA C22.2 No. 113.

Use - For use only in complete equipment where the acceptability of the combination is determined by Underwriters Laboratories Inc.

Conditions of Acceptability -

When installed in the end-use equipment, consideration shall be given to the following:

1. The suitability of the fan leads, connector and strain relief shall be determined for each application.
2. A suitable enclosure, either a fire enclosure (enclosure rated with suitable flammability rating) or mechanical enclosure (guard) shall be provided in accordance with the requirements of the end application.
3. These fans have not been evaluated for use in combination with any solid-state speed control.
4. These fans have only been investigated for connection to low voltage non-energy hazard isolated secondary circuit. Further considerations must be given for a non-isolated secondary circuit connection.
5. These units are provided with Class A (105) insulation, the need for measuring fan coil temperature shall be determined during each end-use application.
6. These fans all Models except for Models AFB1524 and AFB1548 series are provided with locked rotor protected circuit (controlled by the IC and other electronic components); the locked rotor current is less than 50% of the normal input current and is considered as an electronic protected type motor.
- *7. These fans Models AFB1524, AFB1548, EFB1724EHG(Y) and EFB1724GHG(Y) series are provided with locked rotor protected circuit (controlled by the IC and other electronic components); the locked rotor current is greater than 50% of the normal input current and **cannot** be considered as an electronic protected type motor.