

TECHNICAL SERVICE

Unitary Products Group
5005 York Drive
Norman, OK 73069
1/877-874-7378

Date: February 18, 2009

YS-023-09

To: All York Distributors
All York Branches
All Field Service Supervisors

Subject: YZH Fan Operation

We have received reports of the above referenced units displaying abnormal fan motor operation.

Units produced with serial numbers prior to W0B9 (February 2009) have the potential of the fan motor modulating up and down and not attaining a steady state running speed. This behavior only occurs in heat mode operation under the condition of a restricted (frosted) coil. Steady state operation, in these cases, would resume after the defrost sequence clears the coil. These fan motors are an ECM type motor with a remote mounted control module. Alterations to the motor control module software correct this modulating condition.

Modules containing the updated software can be identified by either a red dot on the motor module or the addition of the suffix letter "A" on the Regal Beloit part number. As an example, part number 5SME39HSHY77 will become 5SME39HSHY77A. See figure one for example of motor module label.

The ECM motor and module are provided as a set and Source 1 will have the new motors available for shipment beginning February 27, 2009. If you would like to return the motors in your repair inventory that do not contain the updated software, contact your Source 1 representative for a Return Authorization

If you come across a unit in the field that displays this behavior, the motor and module should be replaced. As the issue is with the module software only, it is acceptable to replace the module only. Please note, however, that replacement motor / modules are available as complete sets only.

This is a fix on fail only with the YS letter allowing 1 hour labor credit for the installation of a new replacement module installed on any YZH unit built prior to February 2009.

Jack Reimer
Field Service Supervisor
Johnson Controls, Inc.

Tom Martin
Principal Engineer, Cooling Products
Johnson Controls, Inc.

 **GE ECM Motors**

By REGAL-BELOIT



ECM™



MADE IN USA
ELECTRONIC PROTECTED
CONT AIR OVER

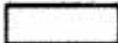
Class B

Date Code B09X

Rot →

CPN

102411

 **1 Ph**
60/60 Hz
1/3 HP
240 V
2.8 A
682 RPM

Model

5SME39HS HY77A



This A indicates
the updated module

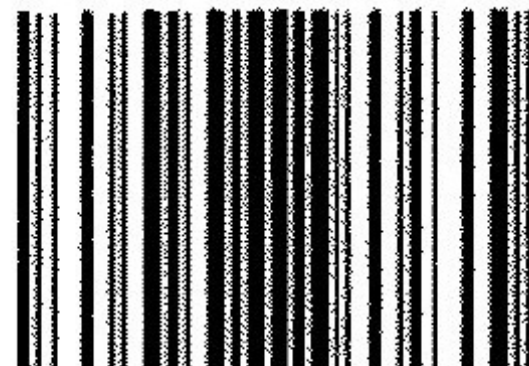


GE ECM Motors

By REGAL-BELOIT



ECMTM



MADE IN USA
ELECTRONIC PROTECTED
CONT AIR OVER

Class B
Date Code B09X

Rot →
CPN

102411

1 Ph
60/50 Hz
1/3 HP
240 V
2.8 A
682 RPM

Model
5SME39HS

HY77A



**This A indicates
the updated module**