



SandenVendo America Inc

10710 Sanden Drive, Dallas, TX 75238

**TECHNICAL SERVICES
ADVISORY MEMO 00-XXXX**

To: Distribution

From: Technical Services

Date: 01/21/10

Subject: Supply voltage below 208VAC

Remarks: For Your Review

Some areas where the RD showcase is being installed may be suffering from a “**low voltage**” condition. Minimum **NO** load line voltage for the RD showcase is 208VAC single phase. With the supply voltage below 208VAC, there exist 2 potential failures; one would be high current draw of the compressor causing windings to short and other electrical components. The second is the fan motor running below RPM specification. The lower voltages causes the fan motor to reduce the RPM, which reduces the airflow through the condenser thus reduces the condenser heat exchange causing high head pressures and excessive compressor cycling. It is highly recommended that the supply voltage is checked during peak demands such as mid afternoon or when voltage demand is high for the store. If the voltage is below 208VAC, we require the installation of a BUCK BOOST transformer such as “ACME Transformer, T-1-81050” or equivalent to increase the line voltage above 208VAC.

ACME ELECTRIC T-1-81050 .25KVA

SandenVendo 1070163

If you need further information or assistance please call SandenVendo Technical Service at
800 344-7216 ext 9935

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