



## *Unitary Products Technical Services Service Tips Letter*

Letter: **ST-007-2016**

Date: May 27, 2016

To: All Unitary Products Branch Service, Sales, and Training Managers  
All Unitary Products Distribution Service, Sales, and Training Managers

Subject: **MH Equipment Application Update**

Product: MH 4 & 5 ton coils and EB Furnace Accessories

Summary: This letter is to advise of new 4 and 5 ton a-coil dimension changes and provide an update with our MH equipment regarding different applications.

### **4 & 5 Ton A-coils**

There has been a dimension change in the MSH/MHQH 4 and 5 ton MH coils which will make installations easier. The depth of the 4 ton coil is now 19.18" deep and no longer requires the extension ring when installed in a DGAA furnace. The 5 ton AC match up coil is 20.25" in depth and does require the extension ring for the DGAA furnaces. (The extension ring allows for a 1" longer drain pan- DGAA Cabinet Extension ring part # is 7900-8601). Both the 4 and 5 ton coils are less than 20" in height and will fit the height requirement in the DGAA coil compartment.

### **Blower Applications**

The DGAA model gas furnace and the EB series electric furnace are shipped with a standard blower assembly that will provide airflow up to 4 tons for AC applications and 3.5 tons for HP applications (providing ductwork in the home is sized properly). There is a 5 Ton AC/4 Ton HP accessory blower assembly available for the DGAA (7900-7751) and the EB series (3500-7901/A).

### **Limitations:**

We do not support 5 Ton HP applications, because there is not sufficient ductwork for the required airflow. We do offer a 5 Ton coil for AC applications that will fit in the DGAA cabinet, however, our current 4 Ton HP coil is 24.5" tall and will not fit in the coil cabinet of a DGAA. The coil cabinet in a DGAA will not allow a coil wider than 18 ¼", no taller than 20" and no deeper than 19 ½". You can use a coil up to 20 ½" deep with the cabinet extension ring accessory (7900-8601).

EB Series furnaces are not shipped with a coil shelf. Coil shelves are an accessory item that need to be ordered separately and field installed. The EB is shipped in downflow configuration, but may be field converted for upflow applications up to 4 ton AC or HP. We do not offer an upflow coil shelf for 5 Ton AC applications.

The Thermo Pride 95% CMC model does not have an accessory blower for 4/5 Ton applications and by the blower chart in the Installation manual and tech guide it would be marginal to provide 3.5 tons of airflow depending on external static pressure. Their manual recommends applications of 3 tons or less.

**EB\*\*C and Newer Accessories:**

- 1 ½ to 4 Ton AC/HP Downflow Coil Shelf Part # 3500-8941/B
- 5 Ton AC Downflow Coil Shelf Part # 3500-8601
- 1 ½ to 4 Ton AC/HP Upflow Coil Shelf Part # 3500-8961/A
- 4 Ton HP application, EB cabinet extension for taller coil part # 3500-8602
- EB\* Upflow Kit (Supply duct flange) part #3500-7211/A
- EB\* Upflow Filter Box part # 3500-5451
- EB\* Solid Door for Upflow applications part # 3501-9111

**MG9S-application:**

The MG9S models are 95% efficient and are approved for use in a manufactured home, although they do not fit the standard manufactured housing furnace foot print. The MG9S models are 29.5” deep and the standard MH furnace closet is 24” deep.

The MG9S models are shipped in the downflow configuration and although they are multi-positional, they must vent out either the left or right side of the furnace in downflow applications. The MG9S models are not a designed for application in most manufactured housing furnace closets. We offer the Thermo Pride line which does fit the standard manufactured housing foot print. (Thermo Pride 86% Oil model OME\*, 95% gas heat only model CMA\* and 95% gas AC ready model CMC\*.)

**LP Gas Conversions:**

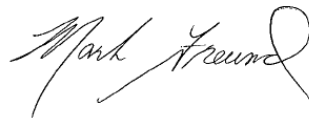
The DGAA/DGAH and MG9S models are shipped from the factory ready for Natural gas application. The LP orifice(s) and LP Gas conversion tag are supplied with the furnaces for easy field conversion. The gas valve does not require a spring change for LP gas. Conversion of the gas valve is accomplished by flipping the brass regulator on the valve to the appropriate position.

Reference the Tech Guide or Installation manuals for High Altitude application instructions.

Please feel free to contact us if you have any questions regarding the proper application of any MH equipment directly at 800-919-3428. You can also reach the MH Technical Support staff through the 877-874-7378 number and follow the prompts to be directed to the Manufactured Housing support group.



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