

# Update: Coil Ratings

## 4MXC and 4GXC coil ratings for 5 ton, 16 SEER systems



eAPB1911 | March 7, 2019

As part of our relentless focus on customer quality, we regularly monitor failure rates of our systems and components through our warranty claims and technical support group. We have recently seen a significantly high number of compressor failures for 5 ton, 16 SEER systems when paired with 4MXC or 4GXC coils. These failures have primarily been caused by overcharging the system, resulting in liquid refrigerant reaching the compressor and causing a compressor failure. We have also seen increases in compressor failure rates on other American Standard systems when paired with 4MXC and 4GXC coils, though not as severe. We will be monitoring these closely on a regular basis.



**We are moving quickly to do everything we can from a product and support standpoint to improve our customers' experience with this issue, including taking the following steps:**

- We will be **discontinuing** any AHRI ratings with 4MXC and 4GXC coils on American Standard 5 ton, 16 SEER systems and replacing with ratings that call out that a Thermal Expansion Valve (TXV) must be used. See link below with discontinued combinations and the new AHRI reference numbers with the TXV added.
- We have updated the literature in our outdoor units to include superheat charging charts for orifice systems. The indoor installer's guides already have the needed charging charts.
- We will be adding a hang tag to some outdoor units to remind the installer to check the flow control type of the indoor unit being installed and to use the appropriate charging method, whether the indoor coil uses a TXV or an orifice.

A TXV installed on the indoor unit continues to be the best protection for the compressor, and best solution for overall system comfort, efficiency, and reliability. If orifice systems are used, proper charging methods using superheat and indoor dry bulb and wet bulb temperature readings are necessary. We thank our installing dealers and contractors in advance for helping us to raise awareness on these issues and for making sure correct installation practices are taking place. Your efforts will help us continue to ensure we continue to deliver on our brand promise and provide reliable solutions to our customers.

Please use the **4AYTXVH3G6000A** TXV kit on all future 5 ton, 16 SEER combinations when used with the following coils:

- 4GXCC009AC6HUA
- 4GXCD010AC6HUA
- 4MXCC009AC6HCA
- 4MXCD010AC6HCA

[CLICK HERE](#) for the list of new AHRI ratings with TXV added.

**American Standard Product Manager**

Patrick Van Deventer | Product Manager, Coils | [Patrick.vandeventer@irco.com](mailto:Patrick.vandeventer@irco.com)