

STATE BUILDING CODE OPINION 24-Sept11

CODE: 2021 Washington State Energy Code-Commercial

SECTION: C403.3.2 HVAC Equipment Efficiency testing

BACKGROUND: There are several manufacturers of Monobloc Heat Pump Units (Through-Wall Air-to-Air Unducted Heat Pumps) that are pursuing AHRI certification. These heat pumps have inverter duty compressors for extended range heat pump heating and capacity control for energy savings. Per manufacturer discussions with AHRI and other testing agencies these units do not directly fall under the scope of AHRI 310/380 for PTHP, AHRI 290 for SPVHP, or any other existing test procedure.

QUESTION: Is it correct that if these units do not have an applicable test procedure in Tables C403.3.2(1) through C403.3.2(16) and no certification program exists then equipment efficiency ratings are only required to be supported by data furnished by the manufacturer?

ANSWER: **Yes, this is correct. Manufacturer shall provide supporting documentation that unit is not covered by an applicable test procedure and provide efficiency rating data. There is no energy code minimum performance standard for units that do not have an applicable test procedure.**

SUPERSEDES: None

REQUESTED BY: City of Bellevue