

## AHRI Standard 1230 with Addendum 1

# 2014 Standard for Performance Rating of Variable Refrigerant Flow (VRF) Multi-split Air-conditioning and Heat Pump Equipment



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## AHRI STANDARD 1230-2014 WITH ADDENDUM 1,

# Performance Rating of Variable Refrigerant Flow (VRF) Multi-split Air-conditioning and Heat Pump Equipment

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Addendum 1 (dated June 2017) of AHRI Standard 1230-2014, changes AHRI Standard 1230-2014 as follows.

Changes have been incorporated (additions are shown by shading and deletions are shown by strikethroughs) into the already published version of ANSI/AHRI Standard 1230-2010 with Addenda 1 and 2 that is now designated AHRI Standard 1230-2014.

The changes are to the inside front cover, scope of the VRF certification program, and sections listed below.

### Section 3. Definitions

~~All terms in this document shall follow the standard industry definitions established in the current edition of ASHRAE Terminology of Heating, Ventilation, Air Conditioning and Refrigeration, unless otherwise defined in this section.~~

All terms in this document will follow the standard industry definitions in the *ASHRAE Terminology* website (<https://www.ashrae.org/resources--publications/free-resources/ashrae-terminology>) unless otherwise defined in this section.

**3.1** — *Standard Air.* Air weighing 0.075 lb/ft<sup>3</sup> [1.2 kg/m<sup>3</sup>] which approximates dry air at 70°F [21°C] and at a barometric pressure of 29.92 in Hg [101.3 kPa].

**3.1** *Airflow Setting(s).* Programmed or wired control system configurations that control a fan to achieve discrete, differing ranges of airflow—often designated for performing a specific function (e.g., cooling, heating, or constant circulation)—without manual adjustment other than interaction with a user-operable control (i.e., a thermostat) that meets the manufacturer specifications for installed-use. For the purposes of this standard, manufacturer specifications for installed-use are those found in the product literature shipped with the unit.

**3.2** — *Multi-Split Air-Conditioner.* An encased, factory-made assembly or assemblies designed to be used as permanently installed equipment to provide conditioned air to an enclosed space(s). It includes a prime source of refrigeration for cooling and dehumidification and may optionally include other means for heating, humidifying, circulating and cleaning the air. It normally includes multiple evaporator(s), compressor(s), and condenser(s). Such equipment may be provided in more than one assembly, the separated assemblies of which are intended to be used together.

**3.2.4** *Nominal Capacity.* The capacity value of the outdoor units published by the manufacturer in their catalogue or Engineering Data. Nominal Capacity may be referred to using the following terms:

**3.2.4.1** *Nominal Cooling Capacity.* The Nominal Cooling Capacity shall not be more than 105% of the rated cooling capacity. The Nominal Cooling Capacity of each Indoor Unit shall be the published capacity when the ratings are first established, and shall not be changed upon subsequent publications.