AHRI Standard 870 (I-P) - 2016

2016 Standard for
Performance Rating of Direct Geoexchange Heat Pumps

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IMPORTANT

SAFETY DISCLAIMER

AHRI does not set safety standards and does not certify or guarantee the safety of any products, components or systems designed, tested, rated, installed or operated in accordance with this standard/guideline. It is strongly recommended that products be designed, constructed, assembled, installed and operated in accordance with nationally recognized safety standards and code requirements appropriate for products covered by this standard/guideline.

AHRI uses its best efforts to develop standards/guidelines employing state-of-the-art and accepted industry practices. AHRI does not certify or guarantee that any tests conducted under its standards/guidelines will be non-hazardous or free from risk.

Note:

This standard supersedes ANSI/AHRI Standard 870-2005 with Addendum 1.
For SI ratings, see AHRI Standard 871 (SI) -2016.

AHRI CERTIFICATION PROGRAM PROVISIONS

Scope of the Certification Program

The certification program includes all factory made residential, commercial and industrial Direct Geoexchange Heat Pumps as defined in Section 3. It does not apply to the rating and testing of retrofit units.

Certified Ratings

The following ratings are verified by test at the Standard Rating Conditions:

1. Full load Cooling Capacity, Btu/h
2. Full load Heating Capacity, Btu/h
3. Energy Efficiency Ratio, EER, Btu/(W·h)
4. Coefficient of Performance, COP (W/W)
5. Part-load Cooling Capacity (if applicable), Btu/h
6. Part-load Heating Capacity (if applicable), Btu/h
7. Part-load Energy Efficiency Ratio (if applicable), EER, Btu/(W·h)
8. Part-load Coefficient of Performance (if applicable), COP (W/W)

Price $10.00 (M) $20.00 (NM)
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