AHRI Standard 325
(Formerly ARI Standard 325)

1998 Standard for

Ground Water-Source Heat Pumps

Air-Conditioning, Heating, and Refrigeration Institute

2111 Wilson Boulevard, Suite 500
Arlington, VA 22201, USA
www.ahrinet.org

PH 703.524.8800
FX 703.562.1942

Documents
Document Sharing Hub

Full document details: AHRI Standard 325-1998 - Ground Water-Source Heat Pumps

IMPORTANT

SAFETY RECOMMENDATIONS

It is strongly recommended that the product be designed, constructed, assembled and installed in accordance with nationally recognized safety requirements appropriate for products covered by this standard.

AHRI, as a manufacturers' trade association, uses its best efforts to develop standards employing state-of-the-art and accepted industry practices. However, AHRI does not certify or guarantee safety of any products, components or systems designed, tested, rated, installed or operated in accordance with these standards or that any tests conducted under its standards will be non-hazardous or free from risk.

ARI CERTIFICATION PROGRAM PROVISIONS

Scope to the Certification Program

The certification program includes ground water-source heat pumps that are electrically driven, mechanical compression type systems as defined in the standard and included in this program.

Equipment Covered: This program applies only to ground water-source heat pumps, rated below 135,000 Btu/h [40 kW] at AHRI Standard Rating Conditions (Cooling).

Exclusion: This certification program does not apply to the rating and testing of individual assemblies, such as condensing units or coils, for separate use.

Certified Ratings

The following certification program ratings are verified by test:

1. High and Low Temperature Cooling Capacity, Btu/h [W]
2. High and Low Temperature EER, Btu/W·h [W/W]
3. High and Low Temperature Heating Capacity, Btu/h [W]
4. High and Low Temperature COP, W/W
5. Fluid Flow, gpm [L/s]

Note:

This standard supersedes ARI Standard 325-93.

Price $10.00 (M) $20.00 (NM)
Printed in U.S.A.

©Copyright 1998, by Air-Conditioning, Heating and Refrigeration Institute
Registered United States Patent and Trademark Office

Documents
Document Sharing Hub

Full document details: AHRI Standard 325-1998 - Ground Water-Source Heat Pumps

TABLE OF CONTENTS

SECTION		PAGE
Section 1.	Purpose	1
Section 2.	Scope	1
Section 3.	Definitions	1
Section 4.	Classification	2
Section 5.	Testing and Rating Requirements	2
Section 6.	Performance Requirements	5
Section 7.	Marking and Nameplate Data	7
Section 8.	Voluntary Conformance	7

TABLES

Table 1.	Classification of Ground Water-Source Heat Pumps	2
Table 2.	Basic Pumping Penalty PP_B vs. Water Flow Rate	4
Table 3.	Minimum External Resistance	5

APPENDICES

Appendix A.	References - Normative	8
Appendix B.	References - Informative	8

Documents
Document Sharing Hub

Full document details: AHRI Standard 325-1998 - Ground Water-Source Heat Pumps

Documents
Document Sharing Hub

Full document details: AHRI Standard 325-1998 - Ground Water-Source Heat Pumps