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## CHAPTER 52

## CODES AND STANDARDS

THE Codes and Standards listed in Table 1 represent accepted practice, methods, or standards prepared and accepted by the organizations indicated. They are valuable guides for the practicing engineer in determining test methods, ratings, performance requirements, and limits applying to equipment used in heating, ventilating, and air conditioning. Copies can usually be obtained from the organization listed in the reference column.

TABLE 1. CODES AND STANDARDS PREPARED AND ACCEPTED BY VARIOUS SOCIETIES AND ASSOCIATIONS

| SUBJECT                                   | TITLE                                                                                                                        | SPONSOR                  | REFERENCE                           |
|-------------------------------------------|------------------------------------------------------------------------------------------------------------------------------|--------------------------|-------------------------------------|
| Acoustics (Terminology)                   | American Standard Acoustical Terminology.                                                                                    | AS of A                  | ASA 224.1                           |
| Air Conditioning                          | Code of Minimum Requirements for Comfort Air Conditioning (1933).                                                            | ASHVE ASRE               | ASHVE                               |
| Air Conditioning (120,000 Btu/hr or less) | Code and Manual for the Design and Installation of Warm Air Winter Air Conditioning Systems (1945).                          | NWAA & ACA               | NWAA & ACA Manual No. 7 3rd Edition |
| Air Conditioning (Above 120,000 Btu/hr)   | The Technical Code for the Design and Installation of Mechanical Warm Air Heating Systems (1948).                            | NWAA & ACA               | NWAA & ACA Manual No. 9 4th Edition |
| Air Conditioning                          | Standards of the NBFU for the Installation of Air Conditioning, Warm Air Heating, Air Cooling and Ventilating Systems.       | NFPA NBFU                | NBFU Pamphlet No. 90 Feb. 1950      |
| Air Conditioning (Equipment)              | ASRE Standard Methods of Rating and Testing Air Conditioning Equipment (1942).                                               | ASRE ASHVE NEMA RMA ACMA | ASRE Circular No. 13-42             |
| Air Conditioners                          | ASRE Standard Methods of Rating and Testing Air Conditioners (1949). (Supersedes ASRE Circular 13-42).                       | ASRE                     | ASRE Standard 16-53                 |
| Airplane                                  | Aeronautical Recommended Practice for Heating and Ventilating Airplanes (1943).                                              | SAE                      | SAE ARP 85                          |
| Airplane                                  | Aeronautical Recommended Practice for Internal Combustion Type Airplane Heaters (1945).                                      | SAE                      | SAE ARP 143A                        |
| Attic Ventilation                         | Residence Ventilation Guide (1950).                                                                                          | PFMA                     | PFMA                                |
| Boilers                                   | I=B=R Testing and Rating Code for Low Pressure Heating Boilers (1950).                                                       | IBR                      | IBR                                 |
| Boilers                                   | Net Load Recommendations for Heating Boilers. Publ. semi-annually.                                                           | HP & ACCNA               | HP & ACCNA                          |
| Boilers                                   | Net Square Feet Radiation Loads in 70 Deg. Fahr. Recommended for Low Pressure Heating Boilers (1948).                        | HP & ACCNA               | HP & ACCNA                          |
| Boilers                                   | Standard and Short Form Heat Balance Codes for Testing Low Pressure Steam Heating Solid Fuel Boilers (Codes 1 and 2) (1929). | ASHVE                    | ASHVE                               |
| Boilers                                   | ASHVE Performance Test Code for Steam Heating Solid Fuel Boilers (Code No. 3) (1929).                                        | ASHVE                    | ASHVE                               |
| Boilers                                   | ASHVE Standard Code for Testing Steam Heating Boilers Burning Oil Fuel (1932).                                               | ASHVE                    | ASHVE                               |