

A-A-2282
May 31, 1985

COMMERCIAL ITEM DESCRIPTION

AIR CONDITIONER (WINDOW, HEAT PUMP)

The General Services Administration has authorized the use of this commercial item description.

This commercial item description covers the requirements for heat pump window air conditioners. They shall provide free delivery of conditioned air to an enclosed space. The air conditioner includes a source of refrigeration for cooling and dehumidification, a source for heating and for circulating and cleaning air.

Salient characteristics.

Window heat pump air conditioners shall be of the following sizes, capacities, electrical characteristics, and energy efficiency ratio (EER) as specified in the requirements table.

Size	Requirements					
	Cooling Capacity in BTU/ Hr	Heating* Capacity in BTU/Hr	Electrical Rating in Volts	Amps. Cooling ***	Amps. Heating ***	Cooling EER (MIN)**
1	7,500- 8,999	7,000- 8,499	115	7.5	7.0	8.0
2	9,000-11,999	8,500-11,999	115	12.0	11.5	7.5
3	12,000-14,999	12,000-14,199 12,000-13,999	230/208	6.0/6.3	5.8/6.1	8.0/8.0
4	15,000-17,499	14,200-15,999 13,200-15,999	230/208	9.1/9.3	8.3/8.1	8.0/8.0
5	17,500-over	16,000-over	230/208	11.5/12.0	10.5/11.0	7.0/7.0

*Electric heating elements may be included.

**The definition for EER is in AHAM Standard RAC-1.

***Plus or minus 5 percent.

The air conditioners shall operate on 60 Hz, single phase current.

The air conditioners shall be provided with all mounting devices necessary for their installation.

The circulating fan motor shall have two or more speeds for cooling and heating.

The air conditioner shall control the exhaust of room air or the admittance of outside air or both, but the two operations shall not be simultaneous.

The design shall permit easy removal of the chassis for servicing from inside the building without breaking the weathertight seal.

The maximum dimensions of the air conditioners shall be 19 inches high by 26 inches wide. They shall be designed for double hung windows.

The heating capacity shall be as specified in the above table. An adjustable thermostat shall be provided to automatically control the temperature from 60 to 80 degrees F (15 to 27 degrees C) within + 4 degrees F (+ 2 degrees C).

For electrical safety, the air conditioners shall be in accordance with Underwriters Laboratories (UL) Inc. Standard No. 484. Acceptable evidence that the air conditioners conform to UL Standard 484 shall be the UL label or listing mark.

FSC 4120

A-A 2282

The cooling and heating capacity ratings of the units shall be in accordance with the Association of Home Appliance Manufacturers (AHAM) Standard RAC-1. Acceptable evidence of meeting these ratings is a listing in the latest edition of the AHAM Directory of Certified Room Air Conditioners or an AHAM certification seal displayed on the unit.

The manufacturer's standard commercial warranty shall apply.

The annual energy consumption shall be determined in accordance with AHAM Standard No. RAC-1.

The issues of UL Standard No. 484 and AHAM Standard No. RAC-1 in effect on the date of the solicitation shall be used to determine compliance with stated requirements.

Workmanship. All components and assemblies of the air conditioners shall be free from dirt or other extraneous materials, burrs, slivers, rough die, tool and grind marks, dents and cracks. Castings, molded parts and stampings, if used, shall be free of sand, fins, pits, blow holes, and sprues. The surfaces of parts to be welded or brazed shall be clean. All scale and flux shall be removed from the finished weld area. The welds shall be smooth. Threaded fasteners shall not be missing, broken, cracked, or stripped. There shall be no defects that affect serviceability, durability, or appearance.

Regulatory requirements. The offeror/contractor is encouraged to use recovered materials in accordance with Public Law 94-580 to the maximum practical extent.

Preservation, packaging, packing, labeling, and marking. The preservation, packaging, packing, labeling, and marking shall be as specified in the contract or order.

Notes.

AHAM Standard RAC-1 is available from the Association of Home Appliance Manufacturers, 20 North Wacker Drive, Chicago, IL 60606.

UL Standard No. 484 is available from Underwriters Laboratories Inc., 333 Pfingsten Road, Northbrook, IL 60062.

When this commercial item description is used for procurement, the commercial item certification clause must appear in the solicitation.

The NSN's are as follows:

Size 2 - 4120-01-182-1886

Size 4 - 4120-01-182-1887

MILITARY INTEREST:

None: DoD has waived coordination on this commercial item description until further notice.

PREPARING ACTIVITY:

GSA - FSS
COM - NBS
VA - OSS
GSA - PCD