

the upper bowl shall be not more than 1 inch or less than one-half inch above the inside bottom of the lower bowl.

3.3.2. *Material II (metal upper bowl and glass lower bowl).*—Coffee makers made of material II shall consist of an upper bowl made of metal and a lower bowl made of glass.

3.3.2.1. *Design—metal upper bowl.*—The metal upper bowl shall have a stem with approximately 1-inch clearance between end of tube and bottom of lower bowl when placed in brewing position. It shall be provided with a rubber bushing (gasket) to effect a leakproof seal when the bowl is nested in the lower bowl.

3.4. *Method of operation.*—The vacuum-type coffee maker shall heat fresh tap water to the boiling temperature in the lower bowl by means of gas or electric heat, as specified in the invitation for bids. The pressure generated in the lower bowl shall then force the water up the stem of the upper bowl, through the filter, and into the upper bowl containing the ground coffee. After removal from heat source, vacuum generated in the lower bowl shall draw the brewed coffee through the filter to the lower bowl. Brewing time shall not exceed 5 minutes. Brewing time is defined as the time lapse (after the upper bowl containing filter and coffee is inserted into the lower bowl of boiling water) to raise the water to the upper bowl and, by condensation vacuum in the lower bowl, return the brewed coffee to the lower bowl.

3.5.2.1. *Electrically heated heating elements.*—Elements shall have a life of not less than 1,000 hours operating time when used with name plate voltage.

3.5.2.2. *Switches.*—Each electrical heating element shall be controlled by a make and break indicating rotary-type switch. Switches shall have "high," "warm" or "low," and "off" positions. At the option of the contractor, additional heating positions may be supplied.

3.5.2.3. *Wiring and connections.*—Wiring and connection between parts shall be concealed and enclosed or adequately protected from spillage. Electrically heated type coffee makers shall be furnished with flexible heater cord $3\frac{1}{2}$ feet long minimum with cord grip, moulded plastic, or rubber cap on free end.

Federal Specification—W-H-00193a Heater, Space, Electric (Portable)

1.1 *Scope.*—This specification covers portable electric space heaters.

3. REQUIREMENTS.

3.1 *Portable space heaters.*—Portable space heaters furnished under this specification shall conform to the requirements of UL 573.

3.1.1 *Handles.*—All heaters shall be equipped with a suitable carrying handle.

3.2 *Fire and casualty hazards.*

3.2.1. Each contractor shall submit to the contracting officer proof that the portable electric heaters he proposes to supply under this specification conform to the requirements of the Underwriters' Laboratories, Inc., Standard UL573, Electric Space-Heating Equipment. The label, or listing with reexamination, of the Underwriters' Laboratories, Inc., may be accepted as evidence that the electric heaters conform to this requirement.

3.2.4. *Tipover switch.*—Type I, forced air; type II base board; type III radiant convection—Unless otherwise specified, types I, II, and III heaters shall be furnished with or without a tipover switch at the option of the manufacturer. When specified types I, II, and III heaters shall be furnished with a tipover switch that will automatically cut off the power supply when the heater is accidentally turned over from its natural operating position. Tipover switch shall automatically reactivate the power supply when the heater is returned to its normal operating position.

3.3. *Type forced air.*—Heaters shall be thermostatically controlled and shall be equipped with a suitable fractional horsepower motor and fan for circulating the heat. Heaters shall be equipped with a minimum of 6 feet of cord.

Federal Specification—00-M-671c Lawnmower, Hand

1. SCOPE AND CLASSIFICATION

1.1 *Scope.*—This specification covers standard cutting reel and hand lawnmowers that are pushed or propelled by manual effort. It is used for cutting grass ordinarily grown on lawns. Average-duty mowers are for use on ordinary lawns, and heavy-duty mowers are for lawn areas with extra-tough, matted or high grasses.

3.3. *Duty.*

3.3.1. *Average duty.*—Average-duty mower shall be so designed and constructed that it will cut grass ordinarily encountered on lawns. It shall cleanly cut grass from fine shade grass to matured crab grass.