Product: Microwave Ovens

Variations: Output power ranges from 1000 watts to 3200 watts. Sizes vary from capacity for (1) ½ size pan to (2) full size 12" x 20" x 4" deep pans, controls may be dial type manual or push button programmable.

General: In school foodservice 1000-watt ovens are used only for small item reheat. In the last few years, technology has progressed to where the 3200-watt oven is large enough and fast enough to be used for medium production requirements.

Sizes:
1000 watt (1) half size, 10" x 12" pan capacity, 1 magnetron
1200 watt, (1) half size, 10" x 12" pan capacity, 2 magnetrons
1700 watt, (1) half size, 10" x 12" pan capacity, 2 magnetrons
2100 watt, (1) half size, 10" x 12" pan capacity, 2 magnetrons
2100 watt, (2) full size, 12" x 20" x 4" deep pan capacity, 4 magnetrons
3200 watt, (2) full size, 12" x 20" x 4" deep pan capacity, 4 magnetrons

Differences: Microwave ovens use a "magnetron" to produce the microwaves that cause friction of the internal molecules of the food product, which causes heat to build and cooking to take place. The problem has always been to provide even heat throughout the food product for even cooking. The use of multiple magnetrons in conjunction with microwave "stirrers" that distribute the waves around the cavity have solved the old problems.

The larger microwave ovens are excellent at steaming vegetables in their own juices by turning the juices into steam in a covered microwave-safe pan in very quick times, with excellent product results. This is especially applicable when water quality is very poor and scale build-up is a problem, or where drains and water are unavailable. Also, generally, microwaves do not need to be under a hood, which reduces costs associated with hoods or where hood space is not available.

Required Information: Type and quantity of product to be cooked, available electrical outlets.

Concerns: Be sure to see the unit demonstrated before specifying. Units vary greatly by manufacturer, size, output power, evenness of cooking and production capability. Consumer or home microwaves will NOT provide the production necessary for schools. They are also not NSF approved or UL approved for commercial applications.

All microwaves are not alike. Be sure before purchasing.

Product: Microwave Ovens **Quantity:** _____
Manufacturer: _____ **Model #:** _____

Size:

- ☐ 1000 watt (1) half size, 10" x 12" pan capacity, 1 magnetron
- ☐ 1200 watt, (1) half size, 10" x 12" pan capacity, 2 magnetrons
- ☐ 1700 watt, (1) half size, 10" x 12" pan capacity, 2 magnetrons
- ☐ 2100 watt, (1) half size, 10" x 12" pan capacity, 2 magnetrons
- ☐ 2100 watt, (2) full size, 12" x 20" x 4" deep pan capacity, 4 magnetrons
- ☐ 3200 watt, (2) full size, 12" x 20" x 4" deep pan capacity, 4 magnetrons

Options: Microwave ovens come complete with no options available, other than the stand that it sits on, which would come under" tables" or "fabrication".

Spec: Other pertinent information should accompany the above to provide a spec that looks something like this:

One (1) 3200-watt microwave oven with (4) magnetrons, capacity for (2) full size, 12" x 20" x 4" deep microwave safe pans, with digital display, and 10 pad, programmable timer. Unit to have 6 power levels, and no moving parts in the door handle. Door to be drop-down style. Unit shall be capable of three stage programmable cooking. Unit to be stainless steel cabinet and cavity.

Reheating: Due to new regulations regarding reheating in the State of Georgia.

A microwave on or close to the serving line is to use Only Plastic Reheatable Pans that may suit your needs.