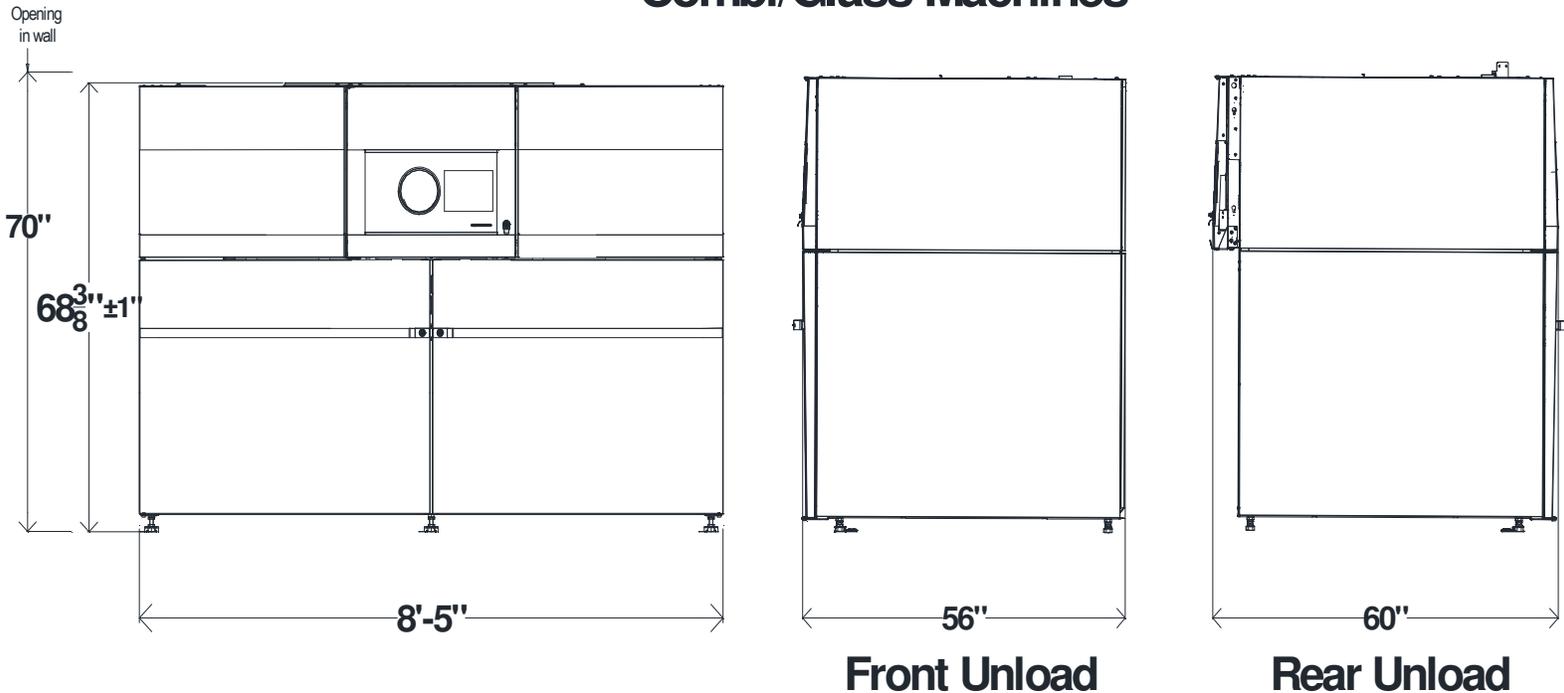


TOMRA T-90 Combi/Glass Machines



Electrical Specifications for Combi Machines:

Main voltage nominal: 208 Volt, 60 HZ, 11.9 Amps
 Main voltage tolerance: 200-220 Volt, 60 HZ Balanced
 Three phase (Balanced) with ground. No High Leg*.
 1 machine per 20-amp circuit.

Electrical Specifications for Glass Machines:

Main voltage nominal: 208 Volt, 60 HZ, 1.8 Amps
 Main voltage tolerance: 200-220 Volt, 60 HZ Balanced
 Three phase (Balanced) with ground. No High Leg*.
 1 machine per 20-amp circuit.

*** Recommended Transformer for unbalanced power:**

Powertrain Part #3PB22-6K: 6 KVA 60 HZ 240 Delta to 208Y

External Alarm & Communications Box:

110-volt 20 amp duplex circuit for communication box.
 Internet connection.
 24-volt buzzer. **(Optional)**

Communication Cable Specification:

CAT 5 or CAT 6
 RJ45 Connection
(See TOMRA for cable spec)

Parts Required:

NEMA L15-20 female receptacle, 20-amp 4-prong twist lock. One per machine.
 One duplex outlet for communication box.
 RJ45 Internet connection
 24 volt buzzer. **(Optional)**

Electrical:

Receptacles should center the middle of the machines. The 110-volt outlet and internet connection for the communication box should be mounted in line with the machine receptacles at the same height and preferably in the middle of the machine receptacles. In order for front unload machines to be installed against the wall the receptacles should be mounted at least 72" above the finished floor. Otherwise the outlets and plugs will require the machines to sit 8-10" from the wall.

Wall construction for T-90 machines:

The height of the opening will be 70." from the finished floor inside the room. The width of the opening will depend on the machine quantity. The opening should be framed similar to that of a door opening, wide open. See drawing provided by TOMRA.

Minimum of 5' space is required to remove bins.

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