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## Omcan 20442

# Omcan SP300AE General Purpose Mixer

MODEL: 20442 (30 QT. CAPACITY)

## 1. Introduction

Thank you for choosing the Omcan SP300AE General Purpose Mixer. This industrial-grade mixer is designed for commercial use, offering reliable performance for various mixing tasks. It features a robust gear-driven system with three distinct speeds, a 30-quart stainless steel bowl, and a safety guard for secure operation. This manual provides essential information for the proper installation, operation, maintenance, and troubleshooting of your mixer.

Please read this manual thoroughly before operating the mixer to ensure safe and efficient use and to prevent damage to the unit or injury to personnel. Keep this manual for future reference.



Image 1.1: The Omcan SP300AE General Purpose Mixer, showcasing its robust design and stainless steel bowl.

## 2. Safety Instructions

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Operating any electrical appliance requires strict adherence to safety precautions. Failure to follow these instructions may result in serious injury or equipment damage.

- Always ensure the mixer is unplugged before cleaning, maintenance, or installing/removing attachments.
- Do not operate the mixer with a damaged cord or plug. If the cord is damaged, it must be replaced by the manufacturer or a qualified service agent.
- Keep hands, hair, clothing, and utensils away from moving parts during operation to prevent injury.
- Never bypass or tamper with the safety guard. The mixer is designed to operate only when the guard is properly in place.
- Ensure the mixer is placed on a stable, level surface to prevent tipping during operation.
- Do not immerse the motor unit in water or other liquids.
- This appliance is not intended for use by persons with reduced physical, sensory, or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety.
- Children should be supervised to ensure that they do not play with the appliance.

## 3. Setup

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### 3.1 Unpacking

Carefully remove the mixer from its packaging. Inspect the unit for any signs of shipping damage. Report any damage immediately to the carrier and your supplier. Retain all packaging materials for inspection.

### 3.2 Placement

Place the mixer on a sturdy, level surface capable of supporting its weight (approximately 433 pounds). Ensure there is adequate clearance around the mixer for ventilation and safe operation. The dimensions of the unit are 23.5"D x 21"W x 44.5"H.

### 3.3 Electrical Connection

The Omcan SP300AE mixer requires a 110V / 60Hz / 1Ph electrical supply with a 20 AMP circuit. It uses a 5-20R plug. Ensure the electrical outlet matches these specifications and is properly grounded. Do not use extension cords or adapters that are not rated for the mixer's power requirements.

### 3.4 Attachment Installation

The mixer comes complete with three standard attachments. To install an attachment:

1. Ensure the mixer is turned off and unplugged.
2. Lower the mixing bowl.
3. Slide the desired attachment onto the planetary shaft, aligning the pin on the shaft with the slot on the attachment.
4. Rotate the attachment slightly until it locks into place.
5. To remove, reverse the process.

## 4. Operating Instructions

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### 4.1 Controls

The mixer is controlled by a knob for speed selection and separate ON/OFF buttons. The safety guard

must be closed for the mixer to operate.

## 4.2 Speed Settings

The mixer offers three distinct speeds, suitable for various mixing consistencies:

- **1st Speed:** 91 RPM (Revolutions Per Minute) - Ideal for heavy doughs and initial mixing.
- **2nd Speed:** 166 RPM - Suitable for batters and medium consistency mixes.
- **3rd Speed:** 282 RPM - Best for whipping creams, meringues, and light mixtures.

Always select the appropriate speed for the task to prevent strain on the motor and ensure optimal mixing results.

## 4.3 General Operation

1. Ensure the mixer is plugged into the correct electrical outlet.
2. Install the desired attachment and mixing bowl.
3. Add ingredients to the mixing bowl. Do not exceed the 30 qt. capacity.
4. Close the safety guard securely.
5. Select the desired speed using the knob.
6. Press the 'ON' button to start the mixer.
7. Monitor the mixing process. If necessary, stop the mixer by pressing the 'OFF' button, lower the bowl, scrape down the sides, and then resume mixing.
8. Once mixing is complete, press the 'OFF' button, unplug the mixer, and remove the bowl and attachment.

## 5. Maintenance

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Regular cleaning and maintenance are crucial for the longevity and optimal performance of your Omcan SP300AE mixer.

### 5.1 Cleaning

- **Always unplug the mixer before cleaning.**
- The stainless steel bowl and attachments are dishwasher safe.
- Wipe down the exterior of the mixer with a damp cloth and mild detergent. Do not use abrasive cleaners or scourers.
- Ensure no water enters the motor housing or electrical components.
- Dry all surfaces thoroughly after cleaning.

### 5.2 General Maintenance

- Regularly inspect the power cord for any signs of damage or fraying.
- Check that all bolts and fasteners are tight.
- Listen for unusual noises during operation, which may indicate a mechanical issue.
- Periodically check for any signs of oil leakage. If oil leakage is observed, discontinue use and contact a qualified service technician immediately. This can indicate a seal failure requiring professional repair.

## 6. Troubleshooting

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This section addresses common issues you might encounter with your mixer. For problems not listed here, or if solutions do not resolve the issue, contact customer support.

Problem	Possible Cause	Solution
Mixer does not start	Not plugged in; Power outage; Safety guard not closed; Faulty power switch.	Check power connection; Verify power supply; Ensure safety guard is fully closed; Contact service if switch is faulty.
Unusual noise during operation	Overloaded bowl; Loose attachment; Internal mechanical issue.	Reduce load; Secure attachment; Discontinue use and contact service.
Oil leakage	Damaged internal seal or gasket.	<b>Discontinue use immediately.</b> This requires professional repair. Contact customer support or a qualified technician.
Mixer stops unexpectedly	Overload protection activated; Power interruption.	Reduce load and restart after a cool-down period; Check power supply.

## 7. Specifications

Feature	Specification
Model Number	20442
Brand	Omcan
Capacity	30 Quarts (QT)
Horsepower	2 HP
Electrical Requirements	110V / 60Hz / 1Ph, 20 AMP
Plug Type	5-20R
Shaft RPM (1st/2nd/3rd Speed)	91 / 166 / 282
Product Dimensions (DWH)	23.5" x 21" x 44.5"
Item Weight	433 pounds
Material	Stainless Steel
Controls Type	Knob
Dishwasher Safe Parts	Bowl and attachments

## 8. Warranty

The Omcan SP300AE General Purpose Mixer comes with a **1-Year Parts & Labor Manufacturer Warranty**. This warranty covers defects in materials and workmanship under normal use. Please retain your proof of purchase for warranty claims. For specific terms and conditions, or to initiate a warranty claim, please contact Omcan customer service.

## 9. Support

For technical assistance, parts, or service inquiries regarding your Omcan SP300AE mixer, please contact

Omcan customer support. Have your model number (20442) and serial number ready when contacting support to expedite service.

Contact information can typically be found on the manufacturer's official website or on the product's rating plate.