### Controls on top
- Left-hinged
- Stainless steel-backed full glass front
- Width 24" (60 cm)

### Included accessories
1. Measuring spoon
2. Assembly screws
3. Milk container 17 oz (0.5 liters)
4. Water hardness test strip
5. Connection hose for milk frother
6. Milk tube

### 400 series fully automatic espresso machine CM 450
- Handleless doorautomatic door opening
- Continuous flow heater means no waiting time and constant brewing temperature
- Aroma brewing technology for a full aroma
- Single portion cleaning
- TFT touch display
- Panel-free appliance with surface control module
- One-touch operation
- Personalization function
- Seven light settings
- Electronic fill level control for milk, water and coffee to ensure a perfect result

### Beverage types
- Ristretto/2 x Ristretto
- Espresso/2 x Espresso
- Espresso macchiato/2 x Espresso macchiato
- Coffee/2 x Coffee
- Americano/2 x Americano
- Caffe latte/2 x Caffe latte
- Latte macchiato/2 x Latte macchiato
- Cappuccino/2 x Cappuccino
- Flat white/2 x Flat white
- Milk froth/2 x Milk froth
- Warm milk/2 x Warm milk
- Hot water/2 x Hot water

### Operation
- Automatic door opening to the left
- Rotary knobs and TFT touch display operation.
- Clear text display in 25 languages.
- Personalization function, up to 8 beverages can be personalized and memorized.
- 4 beverage size settings from small to extra large; can be individually adjusted to match the size of the cup.
- 8 coffee strength levels from very mild to extra strong.
- 3 coffee and hot water temperature levels.
- 4 coffee-milk ratio levels.
- Adjustable grinding level.
- Height-adjustable coffee dispenser 2 ¼" to 6 ¼".
- Easy access to water tank, milk and coffee bean container behind the door.

### Features
- Non-wearing grinding unit with ceramic discs.
- Separate drawer for second ground coffee type.
- Water pump with 275 psi (19 bar) pressure.
- Double grinding and brewing cycles for extra intensity for one beverage.
- Double grinding and brewing cycles for two beverages.
- Beverage dispenser with integrated milk system.
- Insulated stainless steel milk container for up to 17 oz (0.5 liters).
- Integrated LED lighting.
- Removable 17.6 oz. (0.5 kg) bean container with aroma lid allows for an effortless exchange of different types of coffee beans.
- Automatic adjustment of ground coffee quantity.

### Planning notes
- Ideal installation height 2.1 ft.– 4.8 ft. (top edge of bottom niche).
- The front of the appliance extends 1 ¾" from the furniture cavity.
- When installing in a corner a side clearance is required.
- Opening angle approximately 110° (default status upon delivery)—mounting distance to the wall has to be at least 13 ¼".
- Opening angle approximately 155°—mounting distance to the wall has to be at least 25 ¾".
- Opening angle approximately 92°—mounting distance to the wall has to be at least 3 ½".

### Cleaning
- Fully automatic rinse program when machine is turned on/off.
- Automatic steam cleaning of the milk system after every beverage.
- Automatic cleaning and descaling program.
- Emptying program.
- Removable brewing unit.
- Coffee residue container and drip tray dishwasher-safe.
- Beverage dispenser dishwasher-safe.

### Rating
- Total rating: 1.6 kW.
- Total Amps: 10 A.
- 120 V / 60 Hz.
- Connection cable 39" with plug.
If using the 92° door hinge restrictor (spare part no. 00636455), the minimum distance to the wall is only \(3\frac{15}{16}''\) (100 mm).