

**Full Automatic Espresso Coffee
Machine With Ice Maker
Specification**

Model:

MACES7C-300-90-IM-*M-00

Draft:

Date: 20210105001

Version: 01

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Machine Dimension: H 1845mm, W 710mm, D 1014mm


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1. Introduction


MACES7C-300-90-00 is composed of the following parts:

Grinder (1), Brewer (1), Tea brewer (1), Coffee bean Canister (1), instant canister (7), Mixer(3~4), coffee residue bucket(1), waste water bucket(1), drip tray(1), hot water system (1), drink outlet mouth (1), cup system (1), touch screen (1), 27inch multimedia advertisement screen (1), control system (IO+touch screen)(1), shell (1), door (1), Cooling unit (1)Cup Lid dispenser (1) Stirrer module (1) and other modules. Optional module(foam system) Optional module (Cash module, Coin module)

(Remark : Number in the bracket means total number of modules)





Understand the **MACAS** Model Code




Professional High Temperature and High Pressure Italian Coffee Brewing System

Model Code


01 

 Model Code

02




6units of Instant Powder Canister and 1unit of Coffee Bean Canister (Include 3 Mixer)



Ice Maker

Model Code

03 

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- Main parts : (Include "*" means optional)
 - ES: Professional high temperature and high pressure Italian coffee brewing system
 - 7C: 6units instant canisters and 1unit coffee bean canister (include 3units mixer)
 - IM: Ice Maker
 - M: Foam system (optional)

2. Major Beverage List

MACES7C-300-90-00 machine can provide different drinks based on customer requirements. But major include: hot water, instant drinks , Italian coffee, Ice products.

3. Major Beverage List:

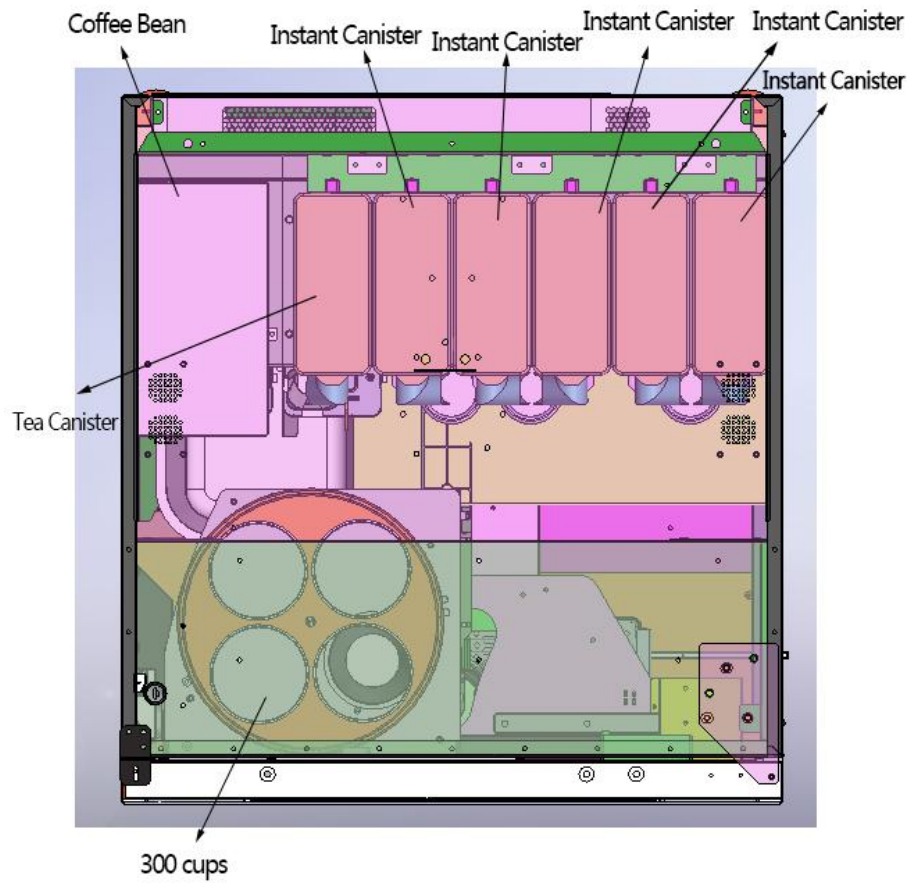
- Macchiatto
 - Italian coffee
 - Italian coffee(Ice)
 - Americal coffee
 - Americal coffee(Ice)
 - Cappuccino
 - Caffe Latte
 - Caffe Latte(Ice)
 - Mocha
 - Bubble tea
 - Instant tea
 - Milk tea
 - Hot milk
 - Hot chocolate
 - Chocolate milk
 - Hot water
 - More drink category can be edited
 - Sugar can be selected
 - Other kind of drinks can be configured based on customer requirements.
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4. Machine feature:



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24hours 24 hours ice output	35KG	Rated power	160W
Rated Current	1.1A	Single ice output	22 ice
Ice storage	4.5KG	Ice shape	Round
Water input method	Automatic	Single ice time	6-10minutes
Machine weight	17.2kg		

Remark: This data is the test data in a laboratory environment. The lower the water temperature, the lower the environment temperature, the greater the ice production.

- Embedded Barista AI artificial intelligence system, This system can accurately reproduce and control the process steps of professional coffee makers.
- 15.6 inch industrial display and capacitive touch system
- Vending system supports Multi-platform (LINUX,ANDROID,WINDOWS)
 - Machine dimension : H 1830mm, W 664mm, D 700mm
 - 300 cups , 4 cup buckets , cup diameter is 90mm
 - Mug
 - Max cup height : 150mm
 - Min cup height : 70mm
 - Max height of coffee pot : 200 mm
 - 27 inch multimedia advertisement screen
 - Proximity sensor

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- Waste water bucket full water reaction
 - Speed of mixer motor is adjustable
 - Dose of coffee bean is adjustable (0~12g)
 - Canister with no bean detection
 - All executable component can reporting status, for example: Valve , motor blocking with over current protection , disconnection detection ,status report
 - Root self check , water system alarm with no water
 - RFID automatic lock , Electromagnetic induction unlock state
 - Adopt code lock to open the door or Emergency lock to open the door
 - Communication interface: USB, 4G router
 - Payment interface: MDB , mobile payment interface (support coin changer and cash receiver)
 - APP drinks taste adjustment interface
 - Cloud platform or IOT remote control interface
 - Data system: EVA-DTS
 - Product price setting
 - Vending data statistic
 - Machine status monitor
 - Dose of instant drinks is adjustable
 - Intelligent machine maintenance system
 - Daily automatic cleaning
 - Automatic descaling
 - Automatic remove the powder in the grinder
 - Drinks configuration and machine configuration graphical tool
 - High flexible parameter configuration adjustment tool
 - 27 inch multimedia advertisement playing
-

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- Automatic flushing of milk frother and manual pill cleaning

5. Machine Key Parameter

- Design life : 125000cups , Design life of core module is 5years, (Evaluation: design life of 5years , 100cups/day , 250days/year.
- Failure rate: 1.5times/year
- Single instant drink in 25seconds (120ml)
- Single Espresso coffee in 40 seconds (30ml) (brewing 35seconds)
- Hot water outlet speed: 20L/H
- Machine startup in 4mimutes, include boiler heating time.
- Cold water and ice-making dual-channel cooling can provide ice and cold water at the same time.
- Adjustable beverage ice output.

6. Maintenance

- Rapaid maintenance guide card
- Maintenance handbook: include accessory list
- Frequency of maintenance: 500cups of fresh coffee or every 2days.
- Maintenance guide card

7. Storage

- Storage temperature : +5°C to +50°C
- Humidity: 10% to 90%

8. Standard

- Electrical safety(CE):
 - Safety certification of materials contact with food
 - Energy consumption grade:
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- Idle energy: <75W

9. Installation

- Power supply: AC 220 V / 50 Hz/60HZ
- Installation power: 3000W
- Max output power : 3000W
- Fuse: 15A
- Inlet water pressure: 0.5 – 7Bar
- Water tank : 2 units (18.9L)
- Background installation space: 60 mm
- The side of installation space: 0mm (suggest reserve 5mm)
- Inlet water hardness: 2~8°HD
- Operating environment: 5-40°C, Max humidity 90%
- Weight: 315kg
- Full load : <360kg (include bottled water)

10. Volume Parameter

- Water bucket used for residual air : 200ml
 - Boiler : 700ml 2700W AC230V
 - Waste water bucket volume : >12L
 - Coffee residue bucket : >15L
 - Instant canister volume : 7 groups
 - Instant canister volume: 3.8L (Volume can be adjusted based on customer requirements)
 - Coffee bean canister volume : 2KG
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