Specifications

Model	MDX-310	MDX-210	MDX-110
Maximum Speed	15,000rpm		
Maximum RCF	21,890G	20,380G	20,380G
Maximum Capacity	50ml × 4	30ml × 6	2ml × 24
Speed Control System	Microprocessor feedback control		
Drive Motor	Induction motor		
Data Entry	Jog Dial with ENTER key and Touchscreen Numeric keypad available		
Temperature Setting Range	From -9°C to +35°C (1°C increment)		
Speed Setting Range	300 to 15,000rpm (100rpm increments)		
RCF Setting Range	10 to Maximum RCF (Less than 300G : 10G increments, Over 300G : 100G increments)		
Time Setting Range	10sec ~ 99min50sec (in 10sec increments) or (Free) for a continuous run		
Safety Devices	Imbalance detector	Over-speed detector	
	Lid interlock	Motor over-current detector	
	Over-current circuit breaker	Lid open / close detector	
	Overheat / Overcool detector	Rotor identification system	
Convenient Functions	Last run memory	Power saving (ECO) mode	
	Soft Brake function	PRE-TEMP function	
	FLASH (Short spin) function	Annual inspection indicator	
	Memory function (six sets of operating parameters)		
	Heat exchanger overheat detector	Calendar date & time display	
Refrigerant	HFC R134a (260g)		
Power Requirements	1-Phase AC120V 60Hz 15A 1-Phase AC220-240V 50/60Hz 10A		
Dimensions	341 W × 491 D × 823 H (Lid in open position : 1138 H, table height : 787 H)		
Net Weight	62 kg		
Accessories Included	• Operator's manual x 1 copy • Drain plug x 1 piece	• Rotor fixing knob x 1 piece • Power cord x 1 piece	• Caster holder x 2 pieces • Hexagon wrench x 1 piece

* Specifications and design are subject to change for improvement without prior notice.
Ask for the latest specifications prior to your order and procurement.

Features for MDX-310

-Spin-able up to 2ml x 72 tubes
-50ml /15ml x 4 conical tubes
-14,000rpm with 96 well PCR plate x 2

Features for MDX series

- Max. speed 15,000rpm
- Rack-in Rotor system
- Touchscreen with color LED display
- Jog Dial with enter key
- Numeric keypad
- Flash (momentary) spins
- Memory function
- PRE-TEMP function
- Annual voluntary inspection reminder
- Dusting indicator
- ECO mode
- Date format selectable

Sales Office:

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TOMY SEIKO CO., LTD.

Manufacturer:

TOMY KOGYO CO., LTD.

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All TOMY products have a limited one-year warranty.
Specifications are subject to change according to product advancement.
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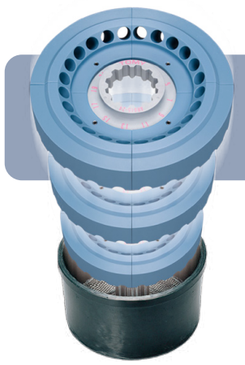
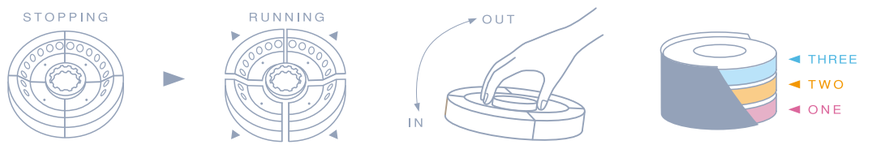
TOMY

MDX MDX-310 MDX-210 MDX-110

HIGH SPEED REFRIGERATED CENTRIFUGES

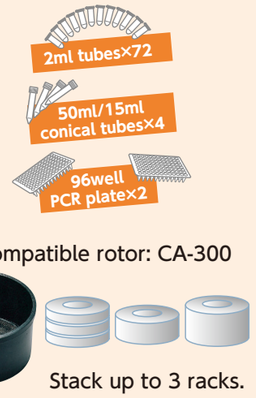


Rack-in-Rotor System



MDX-310

Flagship Model



Compatible rotor: CA-300

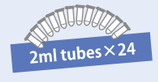
Stack up to 3 racks.

MDX-210

Compatible rotor: CA-200

Stack up to 2 racks.

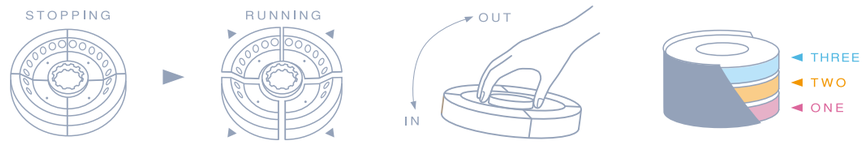
MDX-110



Compatible rotor: CA-100

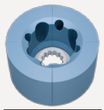
Load 1 rack only.
No-stackable.

Rack-in- Rotor System



Rack for CA-300

50 or 14ml × 4 tubes
15,000rpm
20,130G

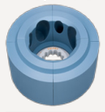


AR501-04 *1

15ml × 8 tubes
Conical
15,000rpm
20,380G

AR150-08

50 or 15ml × 4 tubes
Conical
15,000rpm
20,380G



AR510-04 *1

96 well PCR plate × 2
14,000rpm
10,740G~15,340G

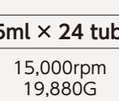
PCR96-02 *2

Adapter A96-01PC

×1

Rack for CA-300/200/100

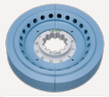
2ml × 24 tubes
15,000rpm
20,380G



AR015-24

×3

0.5ml × 24 tubes
15,000rpm
19,880G



AR005-24

×2

PCR 8-wells tube x 8 lines
15,000rpm
Outer:18,120G Inner:16,350G

AR002-64

×1

Rotor CA-300 for MDX-310

Rotor CA-200 for MDX-210

Rotor CA-100 for MDX-110

×1

Rack for CA-300/200

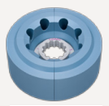
2ml × 24 tubes
Spin column
15,000rpm
20,380G

AR015-SC24

5ml × 12 tubes
Conical
15,000rpm
20,130G

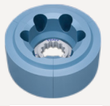
AR050-12 *3

14ml × 8 tubes
15,000rpm
20,380G



AR141-08

30ml × 6 tubes
15,000rpm
20,380G



AR300-06

*1 : Impossible to spin 50ml tubes and 15 ml tubes at the same time.
*2 : Adapter A96-01PC is required.
*3 : Contact TOMY for applicable tube details.

Fixed Angle Rotors for MDX-310 only

2ml×18 tubes
15,000pm
17,860G

CA-1

2ml×24 tubes
13,500rpm
17,730G

CA-10

2ml×18 tubes
15,000rpm
0.5ml×12 tubes
/ 0.2 ml×12 tubes
19,120G(2ml)

CA-15

2ml×24 tubes
15,000rpm
21,130G

CA-5

2ml×36 tubes
15,000rpm
21,130G
(Outer line)

CA-6

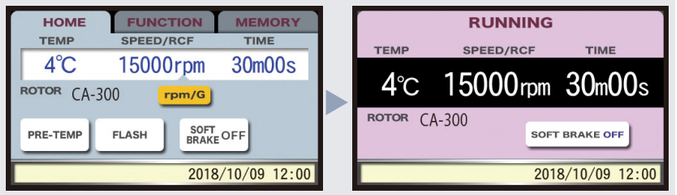
5ml×12 tubes *3
15,000rpm
20,630G

CA-12

50ml or 15ml 4 tubes
Conical
15,000rpm
21,890G

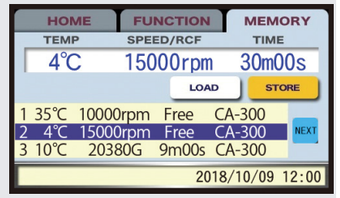
CA-17

Intuitive Operation Panel with Touchscreen



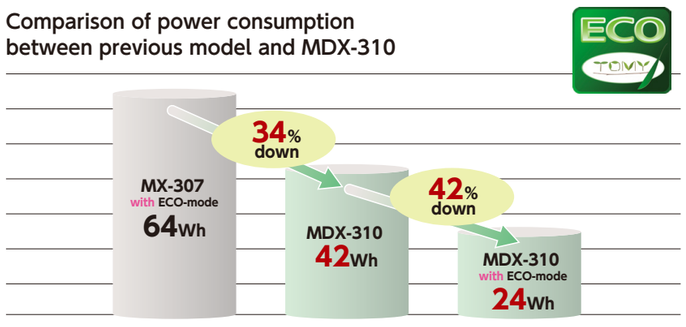
Operation panel changes during the operation for easy monitoring.

Numeric keypad available



6 memory functions for quick and easy settings

User Friendly and Safety Features

- Simplified data entry with Jog Dial
- Flash (momentary) spins
- Annual voluntary inspection reminder
- Dusting indicator
- Advanced ECO-MODE

Comparison of power consumption between previous model and MDX-310