

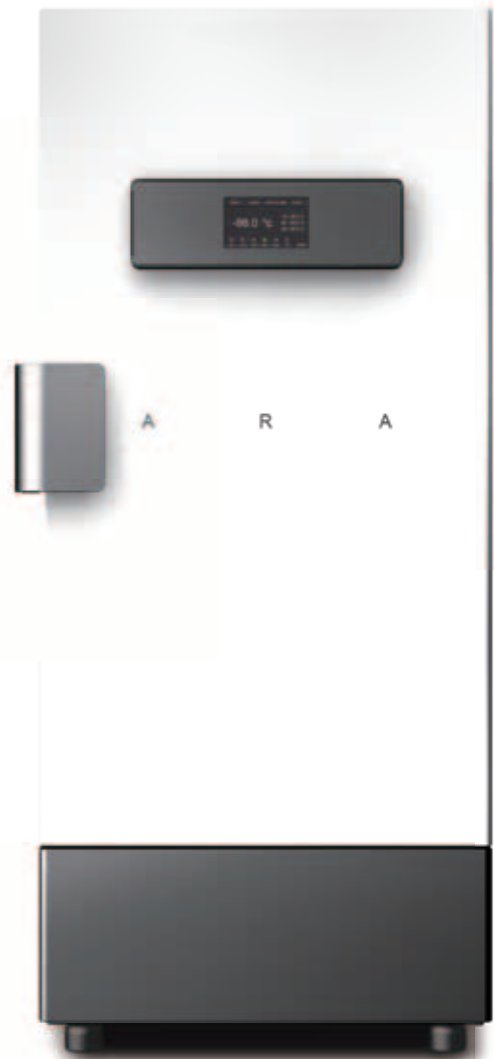
Deep Freezers

Upright Type - ARA M/MD Series

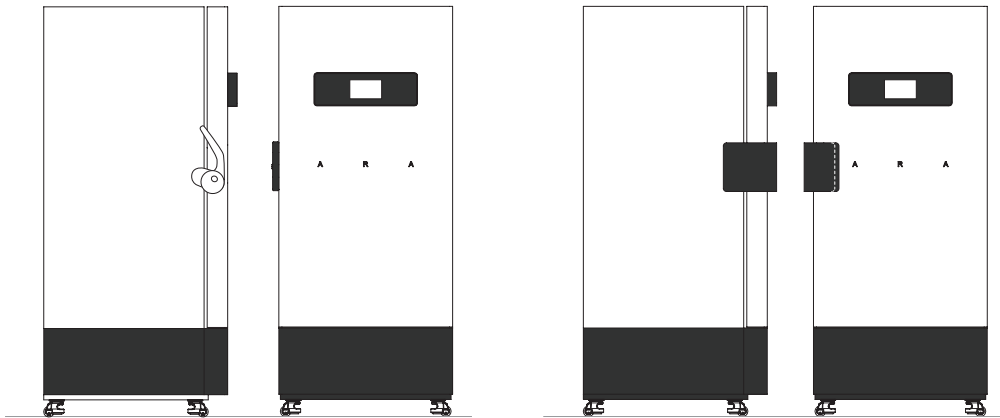
Upright Type Deep Freezers

ARA M/MD Series

- Fast pull-down and recovery to optimal storage temperature
- Automatic door for safety lock and easy unlock (Manual type is optionally available.)
- Automatic vacuum release structure for fast lock and unlock
- Independent dual compressor system with no oil separator and expansion tank
- Unique SMART freezing system with pin-less block condenser
- Exclusive recipe, CFC-free refrigerant
- Three internal temperature sensors for failure free temp-monitoring
- Dual controller construction for failure-free operation
- Controllable ECO mode for energy saving operation (For dual compressor model)
- Informative 7" display and control screen with history tracking
- Easy data transportation through USB port
- Alarm function for abnormal temperature and compressor, door open status, improper voltage, battery shortage, power failure, etc.
- Optionally attachable external remote alarm system
- Optionally available chart recorder and LCO₂ back-up system



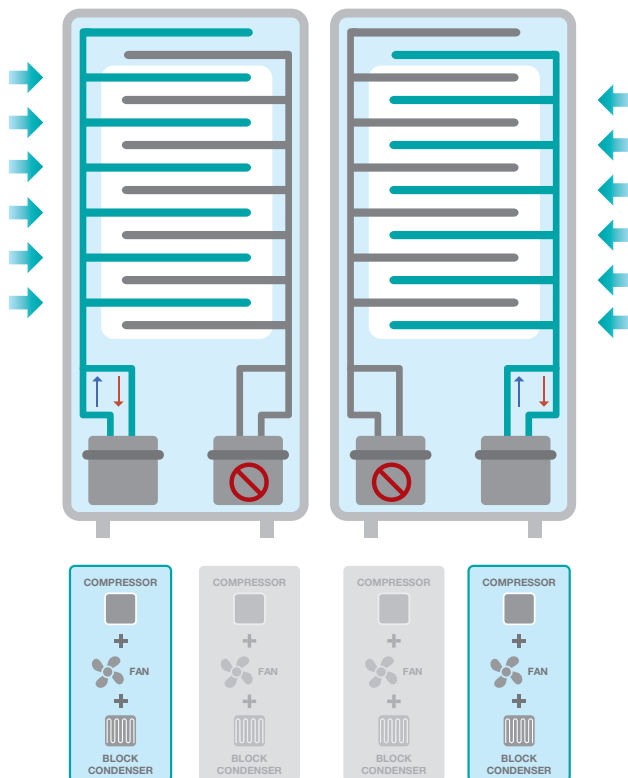
Robust and Flexible Design of Door Handle



Manual Door

Automatic Door

Independent Dual Compressor System



SMART Freezing System with Block Condenser

Deep Freezers

Upright Type - ARA M/MD Series

Technical Specifications

	Upright Type Deep Freezer
Capacity	82, 308, 393, 503, or 714 Lit.
Temperature range	-86°C / -80°C ~ -65°C or -95°C / 90°C ~ -65°C
Compressor	Hermetic Type, Single or Independent Dual Compressor (Eco mode of Dual type for economic operation)
Condenser Type	Block Condenser, No pin, Filter Free Mechanism
Refrigerant	Natural (CFC Free Refrigerant System)
Controller & Display	Failure free Dual Controller and 7" Touch Screen TFT LCD
Door	Door opening and closing by pressing a touch button on control screen (Manual Door is Optional)
Material	Internal Stainless Steel / External Powder Coated Steel Plate
Power supply	Single Phase, AC 230V, 50/60Hz (Optional AC 120V, 60Hz)



Ordering Information

		ARA M80	ARA M300	ARA MD300	ARA M400	ARA MD400	ARA M500	ARA MD500	ARA M700	ARA MD700
Capacity		82 Lit.	308 Lit.		393 Lit.		503 Lit.		714 Lit.	
Temperature Range		-86°C ~ -65°C	-86°C ~ -65°C	-95°C ~ -65°C	-86°C ~ -65°C	-95°C ~ -65°C	-86°C ~ -65°C	-95°C ~ -65°C	-80°C ~ -65°C	-90°C ~ -65°C
Compressor		Single	Single	Dual, Independent	Single	Dual, Independent	Single	Dual, Independent	Single	Dual, Independent
Rack Capacity		4 pcs of 12 (3 x 4) Placed Rack	12 pcs of 15 (3 x 5) Placed Rack		16 pcs of 15 (3 x 5) Placed Rack		16 pcs of 20 (4 x 5) Placed Rack		24 pcs of 20 (4 x 5) Placed Rack	
Chamber Dimension (W x D x H, mm)	Internal	340 x 485 x 520	470 x 500 x 1,310		600 x 500 x 1,310		600 x 640 x 1,310		880 x 620 x 1,310	
	External	572 x 730 x 1,147	800 x 792 x 1,990		930 x 792 x 1,990		930 x 932 x 1,990		1,210 x 912 x 1,990	
Net Weight		102 kg	190 kg	220 kg	220 kg	260 kg	245 kg	284 kg	285 kg	327 kg
Power Requirement	Dual Mode	321 W/h	364 W/h	364 W/h	386 W/h	386 W/h	469 W/h	469 W/h	508 W/h	508 W/h
	Eco Mode			415 W/h		461 W/h		526 W/h		576 W/h
Cat. No.	Auto Door	-	AMUS300	AMUD300	AMUS400	AMUD400	AMUS500	AMUD500	AMUS700	AMUD700
	Manual Door	AMUS080-M	AMUS300-M	AMUD300-M	AMUS400-M	AMUD400-M	AMUS500-M	AMUD500-M	AMUS700-M	AMUD700-M

