

High Speed Centrifuge

Scope of Application

Widely used in teaching, scientific research, biochemical products, medical inspection, food safety, agricultural product inspection, animal husbandry and aquatic product inspection, microbiology, molecular chemistry, environmental protection, quality inspection and other industries.

Key Features



Smart Control

7-inch touchscreen with one-key setup for speed/RCF/time/acceleration profiles; Stores at least 20 programs supporting 15 speed gradients.



Robust Steel Construction

304 stainless steel chamber with reinforced frame; Brushless AC motor.



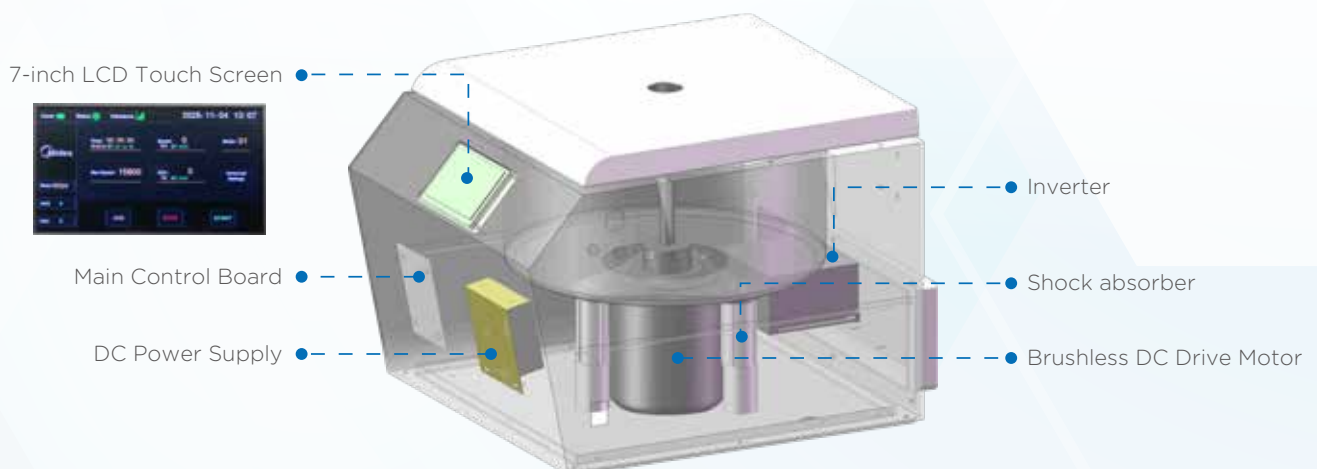
Triple Safety Protection

Auto-rotor ID detection (except MLX-2012H).
Auto-stops when detecting: Rotor imbalance (dynamic monitoring); Vibration overload (6-axis gyroscope); Installation errors (electronic gradiometer); Lid locks during operation.



Silent Efficiency

Low noise; Gravity-assisted door hinge for smooth access;













Specifications



Model	MLX-2012H	MLX-2018H	MLX-3021H	MLX-3022H
Max Capacity	5ml x 12	10ml x 12	100ml x 6	750ml x 4
Max Speed (rpm)	15500	18800	21000	21000
Max RCF (xg)	23449	26870	30410	30410
Speed Accuracy (rpm)	±10			
Timer	1s-99h59min59s/short spin			
Tube Temperature Rise	less than 10°C after running for 20 min			
Sound Level dB(A)	≤50	≤58		
Power Supply	110V~/50/60Hz 220-240V~/50/60Hz			
Display	LCD Touch Screen			
Exterior Dimension(W*D*H)mm	325 x 275 x 265	426 x 322 x 340	485 x 370 x 385	640 x 515 x 450
Packing Dimension(W*D*H)mm	390 x 340 x 355	530 x 520 x 520	580 x 505 x 680	750 x 645 x 630
Net/Gross Weight (kg)	22/25	27/28	40/45	68/86

Available Rotor

Model	Available Rotor	Capacity	Max.Speed	Max.RCF
MLX-2012H		0.2ml x 4 x 8	13000 rpm	13037 xg
		0.5ml x 12	15500 rpm	12893 xg
		1.5ml/2.2ml x 24	15500 rpm	23449 xg
		5ml x 12	15000 rpm	17105 xg
MLX-2018H		0.1ml x 36 (capillary)	12000 rpm	16904 xg
		0.2ml x 4 x 8	13500 rpm	14059 xg
		0.5ml x 12	18800 rpm	18967 xg
		1.5ml/2.2ml x 12	18800 rpm	26870 xg
		1.5ml/2.2ml x 24	15800 rpm	24365 xg
		5ml x 12	16000 rpm	19462 xg
		10ml x 12	13500 rpm	17645 xg
		0.1ml x 36 (capillary)	15000 rpm	26413 xg
MLX-3021H & MLX-3022H		0.2ml x 4 x 8	14500 rpm	16219 xg
	* 	0.2ml x 8 x 8	13000 rpm	14926 xg
		0.5ml x 12	21000 rpm	23666 xg
		1.5ml/2.2ml x 12	20000 rpm	30410 xg
		1.5ml/2.2ml x 24	17500 rpm	29890 xg
		1.5ml/2.2ml x 36	16000 rpm	25473 xg

Available Rotor

Model	Available Rotor	Capacity	Max.Speed	Max.RCF	
MLX-3021H & MLX-3022H		1.5ml/2.2ml x 48	15500 rpm	26672 xg	
		5ml x 12	17000 rpm	21971 xg	
		5ml x 24	13500 rpm	17115 xg	
		10ml x 12	14500 rpm	20356 xg	
		10ml x 24	12500 rpm	16770 xg	
		15ml x 8	13000 rpm	17572 xg	
		30ml x 6	14500 rpm	21155 xg	
		50ml x 6	12500 rpm	17346 xg	
		50ml x 8	12000 rpm	16904 xg	
		100ml x 4	12000 rpm	16904 xg	
		100ml x 6	12000 rpm	16904 xg	
		0.5ml x 48	16000 rpm	22324 xg	
	*	750ml x 4	4200 rpm	3727 xg	Swing out rotor adapters: 500ml x 4 250ml x 4 100ml x 12 50ml x 20 (Conical) 50ml x 28 (Round) 10/15ml x 56 (Round) 10ml x 76 (Vacutainer) 3ml/5ml/7ml x 96 (Vacutainer) 5ml x 148 (RIA vial)
	*	300ml x 4	4500 rpm	3645 xg	Swing out rotor adapters: 250ml x 4 100ml x 4 50ml x 12 10ml x 40 (Vacutainer) 15ml x 28 (Conical) 3ml/5ml/7ml x 56 (Cacutainer) 5ml x 76 (RIA vial)
	*	96well x 2/ 96well x 2 x 2 (Microbial Reaction Plate)	5000 rpm	4801 xg	

*only for MLX-3022H