



# EVO Series

HIGH SPEED FLOOR CENTRIFUGE

## EVO Series High Speed Floor Centrifuge

Versatile, high-throughput sample processing from 1 L bottles, to 50 mL conical tubes, to microtubes and PCR tubes per run. Save time and ensure sample integrity with fast acceleration and deceleration rates, combined with smooth runs at all speeds.

### Ergonomic Design

Touchscreen interface with bright, highly visible, and durable display simplifies run set-up.

### Adjustable Acceleration and Deceleration

10 rates available for to ensure the unit provide the best acceleration and deceleration profile to ensure your samples get the best separation.



### DISPLAY

Large Multi-color Touchscreen Display provide clear indication of running condition including rotor, speed, RCF, time etc.

The glove friendly touchscreen display gives you ease of control and a modern feel. An advanced microprocessor controls allow for setting/displaying of the rotational speed in either RPM or RCF. It is splash-proof and protects the inner electronics from external elements.

## PERFORMANCE

There are 10 rates available for customised acceleration and deceleration profile plus zero brake for each of your program. Ensuring your samples get the best separation. Frequency variable motor drive system enable the unit to operate in a stable and quiet manner. Pre-cool function allows set temperature to be reached rapidly.

## FLEXIBILITY

Our floor standing high speed centrifuges simplify high-throughput sample processing with up to **64,800 x g**, maximized capacity up to 6 liters, and an extensive rotor portfolio. Supporting labware from microtubes, to 1 Liter bottles. Overcome challenges of a shared laboratory setting with the productivity, safety, and reliability of a Newton Scientific Centrifuge

**Precision metal components for both shaft and rotor ensure reliable performance and long life**



## CONVENIENT

The EVO series high performance centrifuge enable the users to edit and store up to 40 programs with combination of speed, centrifugal force, running time, acceleration/ deceleration rate which is sufficient for all users in a lab.

## SAFETY

Enhanced safety provided by electronic door lock and protection against imbalance, over speed and over heat. These three layers of protection ensure safety of the machine and user.



## Ordering Information and Specifications



Model	EVO 23	EVO 10	EVO 25
Cat. No.	87002300	87001000	87002500
Max RPM (rpm)	23,000	10,000	25,000
RPM accuracy	±10 rpm	±10 rpm	±20 rpm
Max RCF (x g)	35,500	18,300	64,800
Max Capacity	4 x 750ml	6 x 1000ml	4 x 1000ml
Set Time	1s to 23h 59m	1s to 99h 99m 99s	1s to 99h 99m 99s
Temp Range	-20°C to 40°C	-20°C to 40°C	-20°C to 40°C
Temp Accuracy	±1.0°C	±1.0°C	±2.0°C
Dimension (mm)	660 x 520 x 820	905 x 745 x 1100	930 x 770 x 1080
Weight (Kg)	140	280	300
Power Supply	AC 200-240V, 50/60Hz	AC 200-240V, 50/60Hz	AC 200-240V, 50/60Hz
Power (W)	1300	4500	4500
Sound Level	≤ 65dBA	≤ 63dBA	≤ 60dBA

## Rotor Selections

		EVO 23	
Cat. No.	Type	Max. Speed (RPM)	RCF (x g)
88105052	Angle Rotor, 12x1.5/2.0ml	23,000	35,500
88105084	Angle Rotor, 16 x 1.5/2.0ml	21,000	30,230
88105054	Angle Rotor, 24 x 1.5/2.0ml	18,000	29,650
88105056	Angle Rotor, 48 x 1.5/2.0ml	16,000	26,760
88105053	Angle Rotor, 12 x 5ml	18,500	23,000
88105055	Angle Rotor, 12 x 10ml	17,000	29,700
88105006	Angle Rotor, 12 x 15ml Conical	13,000	19,177
88105007	Angle Rotor, 6 x 50ml Con/Round + Adapter for 15ml Conical (set of 6pcs)	14,000	20,800
88105087	Angle Rotor, 8 x 50ml Con/Round + Adapter for 15ml Conical (set of 8pcs)	12,000	16,000
88105058	Angle Rotor, 6 x 50ml	16,000	23,430
88105086	Angle Rotor, 4 x 100ml	13,000	18,160
88105014	Angle Rotor, 6 x 100ml	12,500	18,550
87140250	Angle Rotor, 4 x 250ml	12,000	21,630
87140500	Angle Rotor, 4 x 500ml	8,000	10,375
88105060	Angle Rotor, 8 x PCR 8-Strip Tube	14,000	16,434



**88105056**  
48 x 1.5/2ml



**88105007**  
6 x 50ml



**87140500**  
4 x 500ml





EVO 23			
Cat. No.	Type	Max. Speed (RPM)	RCF (x g)
<b>Cell Culture Package 1:</b>			
88106001	1) Swing-Out Rotor + Buckets, 4 x 750ml 2) Adapter, 7 x 50ml con. (set of 4) 3) Adapter, 14 x 15 mL con. (set of 4)	4,000	3,580
88106002	Swing-Out Rotor + Buckets, 4 x 750ml	4,000	3,580
88106003	Swing-Out Rotor + Buckets + Sealing Lids, 4 x 750ml	4,000	3,580
<b>Cell Culture Package 2:</b>			
88106004	1) Swing Out Rotor + Buckets, 4 x 500ml 2) Adapter, 4 x 50ml con. (set of 4) 3) Adapter, 9 x 15ml con. (set of 4)	4,000	3,580
88106005	Swing-Out Rotor + Buckets, 4 x 500ml	4,000	3,580
88106006	Swing-Out Rotor + Buckets + Sealing Lids, 4 x 500ml	4,000	3,580
88106007	4 x 500ml Swing-out Rotor + Buckets (for Corning Conical Tube)	4,000	3,580
88106008	Swing-Out Rotor + Buckets, 4 x 250ml	4,000	3,500
88106009	Swing-Out Rotor + Buckets + Sealing Lids, 4 x 250ml	4,000	3,500
88106010	Swing-out Rotor, 6x250ml Round Bucket	4,000	3,500
88106011	Swing Out Rotor + Carrier for 2 x Microplate (set of 4)	4,000	3,500
<b>Cell Culture Package 3:</b>			
88106012	1) Swing Out Rotor with Carriers 2) Adapter, 4 x 50ml con. (set of 4) 3) Adapter, 10 x 15ml con. (set of 4)	4,200	3,550
88106013	Carrier for Microplate (set of 4)	-	-
<b>Blood Collection Tube Package:</b>			
88106014	1) Swing Out Rotor with Carrier 2) Adapter, 96 x 2-7ml Blood Collection Tube (set of 4)	4,000	3,580



**88106005**  
4 x 500ml



**88106002**  
4 x 750ml



**88106014**  
384 x 2-7ml



		EVO 10	
Cat. No.	Type	Max. Speed (RPM)	RCF (x g)
87160250	NSA-6.250 Angle Rotor, 6 x 250ml	10,000	18,300
87160500	NSA-6.500 Angle Rotor, 6 x 500ml	8,000	11,620
87161000	NSA-6.1000 Angle Rotor, 6 x 1000ml	8,000	15,310
87241000	NSS-4.1000 Swing-out Rotor, 4 x 1000ml	4,200	4,430
87261000	NSS-6.1000 Swing-out Rotor, 6 x 1000ml	4,200	5,100

\*We provide custom solutions for specialise containers and vessels. Contact us with your requirement!



**87160500**  
6 x 500ml



**87161000**  
6 x 1000ml



**87261000**  
6 x 1000ml



		EVO 25	
Cat. No.	Type	Max. Speed (RPM)	RCF (x g)
87240002	NSA-24.2T Angle Rotor, Titanium, 24×1.5/2.0ml	25,000	64,800
87180010	NSA-18.10 Angle Rotor, 18×10ml	23,000	60,460
87180050	NSA-8.50T Angle Rotor, 8×50ml Round Bottom, Titanium	21,000	52,356
87280050	NSA-8.50 Angle Rotor, 8×50ml Round Bottom	20,000	46,420
87380050	NSA-8.50C Angle Rotor, 8×50ml Conical	20,000	46,420
87480050	NSA-8.50CF Angle Rotor, 8×50ml Conical, Carbon Fiber	20,000	46,420
87160050	NSA-6.50 Angle Rotor, 6×50ml Conical/Round (includes 15ml Con adapters, 6 pcs)	18,000	33,506
87260050	NSA-6.50 Angle Rotor, Carbon Fiber 6×50ml, Conical/Round (includes 15ml Con adapters, 6 pcs)	18,000	33,506
87120015	NSA-12.15C Angle Rotor, 12 x 15ml Conical	16,000	29,050
87160250	NSA-6.250 Angle Rotor, 6 x 250ml	14,000	30,074
87260250	NSA-6.250F Angle Rotor, Carbon Fiber, 6 x 250ml	14,000	30,074
87180100	NSA-8.100 Angle Rotor, 8 x 100ml	13,000	19,830
87120050	NSA-12.50 Angle Rotor, 6×50ml Con/Round	12,000	22,135
87160500	NSA-6.500 Angle Rotor, 6 x 500ml	10,000	17,700
87260500	NSA-6.500F Angle Rotor, Carbon Fiber 6 x 500ml	10,000	17,700
87141000	NSA-4.1000 Angle Rotor, 4 x 1000ml	8,000	12,040
87241000	NSA-4.1000F Angle Rotor, Carbon Fiber, 4 x 1000ml	8,000	12,040

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**87141000**  
4 x 1000ml



**87160250**  
4 x 250ml



**87240002**  
24 x 1.5/2ml



Unit 2, New Horizon  
Business Centre, Barrows  
Road, Harlow, Essex, United  
Kingdom, CM19 5FN  
info@newton-scientific.com  
www.newton-scientific.com

