



## HANIL SCIENTIFIC Multi-purpose Centrifuges

*For your diverse research applications*

# Combi 508

Compact Benchtop,  
Multi-purpose Centrifuge



# Combi R515

High-speed, Multi-purpose  
Refrigerated Centrifuge



## Combi 508

- Compact, Multi-purpose benchtop centrifuge with a clean white design
- Ideal for routine usage of 4 x 750 mL swing-out centrifugation
- Very quiet and static operation with BLDC motor
- The extensive range of accessories can accommodate tubes from 0.2 mL to 750 mL as well as microtiter plates.
- Automatic rotor identification
- Imbalance cutoff and tracking
- Intuitive and easy control and informative display
- Smooth operation with motorized lid opening and closure

## Combi R515

- Multi-purpose centrifuge for using both fixed angle and swing-out rotors
- Robust, practical benchtop design with an easy-to-clean, UV-resistant white surface
- Performance up to 15,000 rpm (24,000 xg) with 6 x 85 mL rotor
- Can be used with many different rotors and adaptors for a wide variety of applications
- Large capacity swing-out rotor for 4 x 500 mL up to 4,500 rpm (4,300 xg)
- The extensive range of accessories can accommodate tubes from 0.2 mL to 750 mL as well as microtiter plates.
- Automatic rotor identification prevents overspeed
- Imbalance cutoff and tracking
- Intuitive and easy control and extensively informative display
- Smoothly working motorized lid opening and closure
- Excellent temperature control
- Built-in condensation drain to eliminate water accumulation
- Password lock function

## Compatible Rotors

Cat. No.	A0.2-48	A2.0-24	A2.0-36	A10-12
Max. Capacity	48 x 0.2 mL, 6 x PCR strip	24 x 1.5/2.0 mL	36 x 1.5/2.0 mL	12 x 10 mL
Max. Speed (508 / R515)	8,000 / 12,500	8,000 / 15,000	8,000 / 14,000	8,000 / 15,000
Max. g-force (508 / R515)	6,361 / 15,530	5,781 / 20,325	8,279 / 25,353	6,089 / 21,407

Cat. No.	A15S-12	A15c-12	A50-6	A50C-6
Max. Capacity	12 x 15 mL	12 x 15 mL conical	6 x 50 mL	6 x 50 mL conical
Max. Speed (508 / R515)	8,000 / 15,000	8,000 / 15,000	8,000 / 15,000	8,000 / 15,000
Max. g-force (508 / R515)	6,876 / 24,174	7,112 / 25,004	6,876 / 24,174	6,511 / 22,891

Cat. No.	A50-8	A50c-8	A85-6	A250-6
Max. Capacity	8 x 50 mL	8 x 50 mL conical	6 x 85 mL	6 x 250 mL
Max. Speed (508 / R515)	8,000 / 15,000	8,000 / 13,000	8,000 / 15,000	- / 8,000
Max. g-force (508 / R515)	7,076 / 24,878	7,906 / 20,878	6,983 / 24,551	- / 9,896

Swing-Out Rotor Rotor Frame + Bucket	S-750-4		B750S		B750		TM96(750-4)	
	508	R515	508	R515	508	R515	508	R515
Max. Capacity	4 x 100 mL		750 mL		750 mL		4 x MTP	
Max. Speed / g -force	4,000 rpm		3,515 xg		3,515 xg		2,925 xg	

Swing-Out Rotor Rotor Frame + Bucket	S-500-4		B500		TM96(500-4)	
	508	R515	508	R515	508	R515
Max. Capacity	4 x 500 mL		500 mL		4 x MTP	
Max. Speed / g -force	4,000 rpm	4,500 rpm	3,470 xg	4,392 xg	2,775 xg	

## Technical Specifications

Model Name	Combi 508	Combi R515
Max. RPM / Fixed angle	8,000 rpm	15,000 rpm
Max. RCF / Fixed angle	8,279 xg	25,353 xg
Max. RPM / Swing-out	4,000 rpm	4,500 rpm
Max. RCF / Swing-out	3,515 xg	4,392 xg
Max. capacity / Fixed angle	6 x 85 mL	6 x 250 mL, 36 x 1.5 / 2.0 mL
Max. capacity / Swing-out	4 x 750 mL	4 x 750 mL, 76 x 15 mL, 4 MTPs
ACC / DEC ramps	10 / 10 steps	10 / 10 steps
Temperature range	-	-10 °C ~ 40 °C
Time control	< 2 hr, continuous	< 100 hr, pulse, continuous
Program memory	100	100
Noise level	≤ 65 dB	≤ 65 dB
Imbalance cutoff	Yes	Yes
Rotor identification	Automatic	Automatic
Dimension (W x D x H, mm)	530 x 676 x 400	723 x 665 x 387
Weight	61 kg	95 kg
Power requirement	1.0 kVA	1.9 kVA
Power input (V,Hz)	210 V ~ 240 V, 50 / 60 Hz (110 V optional)	210 V ~ 240 V, 50 / 60 Hz (110 V optional)
Cat. No.	CB-508 / CB-408	CB-R515 / CB-514R

## Ordering Information

Main Body	
CB-508	Combi 508 without rotor (220V, 50/60Hz)
CB-R515	Combi R515 without rotor (220V, 50/60Hz)

Rotors	
S500-4	Four-wing Swing 500 mL Rotor
S750-4	Four-wing Swing 750 mL Rotor
A0.2-48	Angle Rotor of PCR strip tubes
A2.0-24	Angle Rotor of 24 microtubes
A2.0-36	Angle Rotor of 36 microtubes
A10-12	Angle Rotor of 12 x 10 mL tube
A15S-12	Angle Rotor of 12 x 15 mL tube
A15c-12	Angle Rotor of 12 x 15 mL conical
A50-6	Angle Rotor of 6 x 50 mL
A50c-6	Angle Rotor of 6 x 50 mL conical
A50-8	Angle Rotor of 8 x 50 mL
A50c-8	Angle Rotor of 8 x 50 mL conical
A85-6	Angle Rotor of 6 x 85 mL
A250-6	Angle Rotor of 6 x 250 mL

Buckets	
B500	500 mL Round Bucket including cap (SET=4EA)
B750	750 mL Round Bucket
B750S	750 mL Round Bucket without cap
BL500-4	Clear Cap for 500 mL round bucket (4 ea/set)
BL750-4	Black Cap for 750 mL round bucket B750S (4 ea/set)
BL750-C-6	Clear Cap for 750 mL round bucket B750S (4 ea/set)
TM96(500-4)	Microplate Holder of swing 500 mL rotor
TM96(750-4)	Microplate Holder of swing 750 mL rotor
TM96(mw-750)	Microplate Holder of swing 750 mL rotor (Black)

Adaptors	
TR0.2(2)	0.2 mL Adaptor for microtube rotors
TR0.5(2)	0.5 mL Adaptor for microtube rotors
TR15(A50)	15 mL Round Tube Adaptor for angle rotor A50-6, A50-8
TR15c(50)	15 mL Conical Tube Adaptor for 50 mL round bottom hole
TR25c(50)	25 mL Conical Tube Adaptor for 50 mL round bottom hole
TR30(50)	30 mL Round Tube Adaptor for 50 mL round bottom hole
TR15c(50c)	15 mL Conical Tube Adaptor for 50 mL conical bottom hole
TR25c(50c)	25 mL Conical Tube Adaptor for 50 mL conical bottom hole
TR30(50c)	30 mL Round Tube Adaptor for 50 mL conical bottom hole
TR50(50c)	50 mL Round Tube Adaptor for 50 mL conical bottom hole

Adaptors	
TR50cs(50c)	50 mL Skirted Conical Tube Adaptor for 50 mL conical bottom hole
TR15(85)	15 mL Round Tube Adaptor for 85 mL round bottom hole
TR15c(85)	15 mL Conical Tube Adaptor for 85 mL round bottom hole
TR25c(85)	25 mL Conical Tube Adaptor for 85 mL round bottom hole
TR30(85)	30 mL Round Tube Adaptor for 85 mL round bottom hole
TR50(85)	50 mL Round Tube Adaptor for 85 mL round bottom hole
TR50c(85)	50 mL Conical Tube Adaptor for 85 mL round bottom hole
TR2-9(250)	9 x 1.5/2.0 mL Microtube Rack for angle rotor A250-6
TR5c-4(250)	4 x 5 mL Conical Tube Rack for angle rotor A250-6
TR7-8(250)	8 x 4~7 mL Round Tube Rack for angle rotor A250-6
TR10-7(250)	7 x 8~10 mL Round Tube Rack for angle rotor A250-6
TR15-4(250)	4 x 15 mL Round Tube Rack for angle rotor A250-6
TR15c-4(250)	4 x 15 mL Conical Tube Rack for angle rotor A250-6
TR25c(250)	25 mL Conical Tube Adaptor for angle rotor A250-6
TR30-3(250)	3 x 30 mL Round Tube Rack for angle rotor A250-6
TR50-2(250)	2 x 50 mL Round Tube Rack for angle rotor A250-6
TR50c(250)	50 mL Conical Tube Adaptor for angle rotor A250-6
TR50cs(250)	50 mL Skirted Conical Tube Adaptor for angle rotor A250-6
TR85(250)	85 mL Round Tube Adaptor for angle rotor A250-6
TR100(250)	100 mL Round Tube Adaptor for angle rotor A250-6
TR5-9(500)	9 x 5 mL Tube Rack for 500 mL bucket
TR10-9(500)	9 x 10 mL Tube Rack for 500 mL bucket
TR15-9(500)	9 x 15 mL Tube Rack for 500 mL bucket
TR15c-7(500)	7 x conical 15 mL Tube Rack for 500 mL bucket
TR50-4(500)	4 x 50 mL Tube Rack for 500 mL bucket
TR50c-3(500)	3 x 50 mL conical Tube Rack for 500 mL bucket
TR100(500)	1 x 100 mL Tube Rack for 500 mL bucket
TR250(500)	1 x 250 mL Tube Rack for 500 mL bucket
TR500(500)	1 x 500 mL Tube Rack for 500 mL bucket
TR5-24(750)	24 x 5 mL Tube Rack for 750 mL bucket
TR10-21(750)	21 x 10 mL Tube Rack for 750 mL bucket
TR15-19(750)	19 x 15 mL Tube Rack for 750 mL bucket
TR15c-14(750)	14 x 15 mL Conical Tube Rack for 750 mL bucket
TR50-7N(750)	7 x 50 mL Tube Rack for 750 mL bucket
TR50c-5N(750)	5 x 50 mL Conical Tube Rack for 750 mL bucket
TR250(750)	1 x 250 mL Tube Rack for 750 mL bucket
TR225c(750)	225 mL Conical Adaptor for 750 mL bucket
TR250c(750)	250 mL Conical Adaptor for 750 mL bucket
TR500(750)	1 x 500 mL Tube Rack for 750 mL bucket
TR500c(750)	500 mL Conical Adaptor for 750 mL bucket

# hanil

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