

# Centrifuges

## **Hettich** Benchtop Centrifuges Rotina 380/380R

- ◆ Standard and refrigerated models
- ◆ Maximum capacity 4 x 250ml using accessory rotors
- ◆ Digital control and display of rpm/rcf, time period (and temperature Rotina 380R only)
- ◆ Simple touch key operation      ◆ Stainless steel lined chamber and lid
- ◆ Choice of swing-out and angle rotors
- ◆ Safety features include:
  - rotor recognition    — imbalance detector    — overspeed protection
- ◆ Maintenance free induction drive for smooth and quiet operation

Catalogue No.		CD650-57	CD650-62
Model		Rotina 380	Rotina 380R
Maximum speed			
Swing-out rotor	rpm	5000	5000
Fixed angle rotor	rpm	15000	15000
Maximum rcf			
Swing-out rotor	xg	4560	4560
Fixed angle rotor	xg	23650	23650
Maximum volume			
Swing-out rotor	ml	4 x 100	4 x 100
Fixed angle rotor	ml	6 x 85	6 x 85
Timer	minutes	1 to 99 and continuous, with pulse key	

### Benchtop Centrifuge Rotina 380

As described. Overall 418 x 457 x 600mm H x W x D. Weight 51kg. For 230V 50/60Hz single phase supplies. 670W. Without rotors, accessories or tubes.

**CD650-57** Rotina 380

### Benchtop Centrifuge Rotina 380R, refrigerated

As CD650-57 but with integral hermetically sealed cooling unit. Chamber temperature can be set between -20°C and +40°C and a pre-cooling programme can be used to ensure that samples maintain their required temperature when placed into the centrifuge. Overall 418 x 457 x 750mm H x W x D. Weight 78kg. For 230V 50Hz single phase supplies. 1050W. Without rotor, accessories or tubes.

**CD650-62** Rotina 380R

### Accessory Swing-Out Rotors

- CD650-66** 4-place x 100ml. Without buckets. Maximum rpm/rcf 5000/4863xg
- CD650-68** 4-place x 250ml (65 x 115mm) tubes. Without buckets. Maximum rpm/rcf 4000/3095xg
- CD650-71** 2-place microtitre plate rotor. Without carriers. Maximum rpm/rcf 4000/2397xg

### Accessory Fixed Angle rotors

- CD650-73** 6-place x 85ml (38 x 101mm) tubes. Maximum rpm/rcf 10000/13528xg (11000/16369xg refrigerated)
- CD650-77** 30-place x 1.5/2.2ml tubes. Maximum rpm/rcf 15000/24400xg

### Accessory Buckets/Carriers/Adapters

The number of buckets, carriers and adapters must equal the number of rotor places. Supplied singly.

#### For 4-place Swing-Out Rotor, CD650-66

- CD652-13** 1 x 100ml bucket
- CD652-15** 1 x hermetic sealing lid for bucket CD652-13
- CD652-20** 1 x 100ml (40 x 115mm tubes) adapter for bucket CD652-13. Max rcf 4640xg
- CD652-21** 3 x 50/75ml (34 x 100/105mm tubes) adapter for bucket CD652-13. Max rcf 4668xg
- CD652-23** 6 x 25ml (24 x 100mm tubes) adapter for bucket CD652-13. Max rcf 4668xg
- CD652-27** 13 x 9-15ml (14/17 x 70/100mm tubes) adapter for bucket CD652-13. Max rcf 4668xg
- CD652-36** 24 x 4-7ml (12 x 60/100mm tubes) adapter for bucket CD652-13. Max rcf 4668xg
- CD652-39** 36 x 1.5/2.0ml reaction tube adapter for bucket CD652-13. Max rcf 3494/4779<sup>†</sup>xg

<sup>†</sup>Upper/lower tier.

#### For 4-place Swing-Out Rotor, CD650-68

- CD653-10** 1 x 250ml bucket
- CD653-13** 1 x hermetic sealing lid for bucket CD653-10
- CD653-16** 12 x 7ml (12 x 100mm tube) adapter for bucket CD653-10. Max rcf 3005xg
- CD653-25** 7 x 12ml (17 x 100mm tube) adapter for bucket CD653-10. Max rcf 3005xg
- CD653-27** 7 x 15ml\* (17 x 120mm conical tube) adapter for bucket CD653-10. Max rcf 3095xg
- CD653-31** 4 x 30ml (25 x 110mm tube/universal) adapter for bucket CD653-10. Max rcf 2898xg
- CD653-33** 2 x 50ml\* (29 x 115mm conical tube) adapter for bucket CD653-10. Max rcf 3095xg
- CD653-38** 1 x 250ml cushion/collar (65 x 115mm tube) adapter for CD653-10. Max rcf 3095xg

\*These adapters are primarily for use with Falcon-type conical base tubes.

#### For 2-place Microtitre Plate Rotor, CD650-71

- CD654-19** 1 x carrier which accepts 4 x microtitre plates with lids



CD650