

# HIGHConic III



## Items Supplied

Article No.	Item	Quantity
75005709	<b>HIGHConic III Rotor</b>	1
50139640	Instruction Manual	1
20059176	Biocontainment Lid	1
75003058	O-Ring Set	1
76003500	O-Ring Grease	1

If any parts are missing, please contact the nearest Thermo Fisher Scientific representative.

## Technical Data

<b>Megafuge 8R, Sorvall ST 8R and SL 8R Centrifuges</b>			
Centrifuge Frequency	230 V	120 V	100 V
Weight (empty)	2.7 kg	2.7 kg	2.7 kg
Maximum Permissible Load	6 x 75 g	6 x 75 g	6 x 75 g
Maximum Speed $n_{max}$	9500 rpm	9500 rpm	9500 rpm
Maximum RCF-Value at $n_{max}$	12108 x g	12108 x g	12108 x g
K-Factor at $n_{max}$	2087	2087	2087
Max. Cycle Number	50000	50000	50000
Radius max. / min.	120 mm / 57 mm	120 mm / 57 mm	120 mm / 57 mm
Angle	45°	45°	45°
Acceleration / Braking Time	40 s / 45 s	45 s / 45 s	55 s / 45 s
Maximum Speed at 4 °C	50 Hz: 8700 rpm 60 Hz: 8700 rpm	60 Hz: 8700 rpm	50 Hz: 8700 rpm 60 Hz: 8700 rpm
Sample Heating [°C] above ambient at max. speed (run time 60 minutes)	50 Hz: < 4 °C 60 Hz: < 4 °C	60 Hz: < 4 °C	50 Hz: < 4 °C 60 Hz: < 4 °C
Aerosol-tight	Yes	Yes	Yes
Permissible Temperature Range Autoclavable	121 °C	121 °C	121 °C

<b>Megafuge 8, Sorvall ST 8 and SL 8 Centrifuges</b>			
<b>Centrifuge Frequency</b>	<b>230 V</b>	<b>120 V</b>	<b>100 V</b>
Weight (empty)	2.7 kg	2.7 kg	2.7 kg
Maximum Permissible Load	6 x 75 g	6 x 75g	6 x 75g
Maximum Speed $n_{max}$	8700 rpm	8700 rpm	8700 rpm
Maximum RCF-Value at $n_{max}$	10155 x g	10155 x g	10155 x g
K-Factor at $n_{max}$	2488	2488	2488
Max. Cycle Number	50000	50000	50000
Radius max. / min.	120 mm / 57 mm	120 mm / 57 mm	120 mm / 57 mm
Angle	45°	45°	45°
Acceleration / Braking Time	28 s / 40 s	27 s / 40 s	27 s / 40 s
Sample Heating [°C] above ambient at max. speed (run time 60 minutes)	14 °C	14 °C	14 °C
Aerosol-tight	Yes	Yes	Yes
Permissible Temperature Range Autoclavable	121 °C	121 °C	121 °C

## Accessories

<b>Article No.</b>	<b>Description</b>	<b>Rotor Capacity (places x volume, mL)</b>	<b>Max Tube Dimensions (Ø x L, mm)</b>
75005731	Replacement Lid (each)		
75003058	Replacement Sealing O-rings (set of 2 with grease)		
<b>Adapters for HIGHConic III Rotor (set of 2)</b>			
Direct fit	50 mL Round Bottom Tube	6 x 50	30 x 115
75005802	38 mL Round Bottom Tube	6 x 38	25.5 x 110
75005803	16 mL Round Bottom Tube	6 x 16	18 x 123
75005808	15 mL Conical Tube	6 x 15	17 x 123
75005804	12 mL Round Bottom Tube	6 x 12	16 x 95
75005805	6.5 mL Round Bottom Tube	6 x 6.5	13.5 x 114
75005770	5 mL Conical Microtube	6 x 5	17 x 100
75005806	3.5 mL Round Bottom Tube	12 x 3.5	11 x 100
75005807	1.5/2 mL Microtube	12 x 2	11 x 40