

1. Rotor Specifications

1.1. General Purpose Centrifuges

230 V, 50 / 60 Hz, ventilated

Centrifuge	Multifuge X3	Multifuge X3F	Megafuge 40
Weight of Empty Rotor	4.92 kg	4.92 kg	4.92 kg
Max. Cycle Number	55000	55000	55000
Maximum Permissible Load	4 x 1500 g	4 x 1500 g	4 x 1500 g
Maximum Speed n_{max}	3800 Rpm	3800 Rpm	3800 Rpm
Maximum RCF-Value at n_{max}	3374	3374	3374
K-Factor	11567	11567	11567
Radius max. / min.	20.9 cm / 10.8 cm	20.9 cm / 10.8 cm	20.9 cm / 10.8 cm
Angle	90°	90°	90°
Accel. / Braking Time	147 s / 85 s	147 s / 85 s	147 s / 85 s
Sample Heating at n_{max} (Ambient Temperature of 23 °C, Run Time 90 min)	7 °C	7 °C	7 °C
Aerosol-tight (Tested and approved by HPA, Porton-Down, UK)	Yes	Yes	Yes
Maximum Autoclave Temperature	121 °C	121 °C	121 °C

230 V, 50 / 60 Hz, refrigerated

Centrifuge	Multifuge X3R	Multifuge X3FR	Megafuge 40R
Weight of Empty Rotor	4.92 kg	4.92 kg	4.92 kg
Max. Cycle Number	55000	55000	55000
Maximum Permissible Load	4 x 1500 g	4 x 1500 g	4 x 1500 g
Maximum Speed n_{max}	4200 Rpm	4200 Rpm	4200 Rpm
Maximum RCF-Value at n_{max}	4122	4122	4122
K-Factor	9469	9469	9469
Radius max. / min.	20.9 cm / 10.8 cm	20.9 cm / 10.8 cm	20.9 cm / 10.8 cm
Angle	90°	90°	90°
Accel. / Braking Time	96 s / 94 s	96 s / 94 s	96 s / 94 s
Maximum Speed at 4 °C	4200 Rpm	4200 Rpm	4200 Rpm
Sample Heating at n_{max} (Ambient Temperature of 23 °C, Run Time 90 min)	< 0 °C	< 0 °C	< 0 °C
Aerosol-tight (Tested and approved by HPA, Porton-Down, UK)	Yes	Yes	Yes
Maximum Autoclave Temperature	121 °C	121 °C	121 °C

120 V, 60 Hz, ventilated

Centrifuge	Multifuge X3	Multifuge X3F	Megafuge 40
Weight of Empty Rotor	4.92 kg	4.92 kg	4.92 kg
Max. Cycle Number	55000	55000	55000
Maximum Permissible Load	4 x 1500 g	4 x 1500 g	4 x 1500 g
Maximum Speed n_{max}	3800 Rpm	3800 Rpm	3800 Rpm
Maximum RCF-Value at n_{max}	3374	3374	3374
K-Factor	11567	11567	11567
Radius max. / min.	20.9 cm / 10.8 cm	20.9 cm / 10.8 cm	20.9 cm / 10.8 cm
Angle	90°	90°	90°
Accel. / Braking Time	75 s / 60 s	75 s / 60 s	75 s / 60 s
Sample Heating at n_{max} <small>(Ambient Temperature of 23 °C, Run Time 90 min)</small>	7 °C	7 °C	7 °C
Aerosol-tight (Tested and approved by HPA, Porton-Down, UK)	Yes	Yes	Yes
Maximum Autoclave Temperature	121 °C	121 °C	121 °C

120 V, 60 Hz, refrigerated

Centrifuge	Multifuge X3R	Multifuge X3FR	Megafuge 40R
Weight of Empty Rotor	4.92 kg	4.92 kg	4.92 kg
Max. Cycle Number	55000	55000	55000
Maximum Permissible Load	4 x 1500 g	4 x 1500 g	4 x 1500 g
Maximum Speed n_{max}	4200 Rpm	4200 Rpm	4200 Rpm
Maximum RCF-Value at n_{max}	4122	4122	4122
K-Factor	9469	9469	9469
Radius max. / min.	20.9 cm / 10.8 cm	20.9 cm / 10.8 cm	20.9 cm / 10.8 cm
Angle	90°	90°	90°
Accel. / Braking Time	70 s / 60 s	70 s / 60 s	70 s / 60 s
Maximum Speed at 4 °C	3900 Rpm	3900 Rpm	3900 Rpm
Sample Heating at n_{max} <small>(Ambient Temperature of 23 °C, Run Time 90 min)</small>	8 °C	8 °C	8 °C
Aerosol-tight (Tested and approved by HPA, Porton-Down, UK)	Yes	Yes	Yes
Maximum Autoclave Temperature	121 °C	121 °C	121 °C

1.2. Sorvall General Purpose Centrifuge

230 V, 50 / 60 Hz, ventilated

Centrifuge	Legend XT	Legend XF	ST 40
Weight of Empty Rotor	4.92 kg	4.92 kg	4.92 kg
Max. Cycle Number	55000	55000	55000
Maximum Permissible Load	4 x 1500 g	4 x 1500 g	4 x 1500 g
Maximum Speed n_{\max}	3800 Rpm	3800 Rpm	3800 Rpm
Maximum RCF-Value at n_{\max}	3374	3374	3374
K-Factor	11567	11567	11567
Radius max. / min.	20.9 cm / 10.8 cm	20.9 cm / 10.8 cm	20.9 cm / 10.8 cm
Angle	90°	90°	90°
Accel. / Braking Time	147 s / 85 s	147 s / 85 s	147 s / 85 s
Sample Heating at n_{\max} (Ambient Temperature of 23 °C, Run Time 90 min)	7 °C	7 °C	7 °C
Aerosol-tight (Tested and approved by HPA, Porton-Down, UK)	Yes	Yes	Yes
Maximum Autoclave Temperature	121 °C	121 °C	121 °C

230 V, 50 / 60 Hz, refrigerated

Centrifuge	Legend XTR	Legend XFR	ST 40R
Weight of Empty Rotor	4.92 kg	4.92 kg	4.92 kg
Max. Cycle Number	55000	55000	55000
Maximum Permissible Load	4 x 1500 g	4 x 1500 g	4 x 1500 g
Maximum Speed n_{\max}	4200 Rpm	4200 Rpm	4200 Rpm
Maximum RCF-Value at n_{\max}	4122	4122	4122
K-Factor	9469	9469	9469
Radius max. / min.	20.9 cm / 10.8 cm	20.9 cm / 10.8 cm	20.9 cm / 10.8 cm
Angle	90°	90°	90°
Accel. / Braking Time	96 s / 94 s	96 s / 94 s	96 s / 94 s
Maximum Speed at 4 °C	4200 Rpm	4200 Rpm	4200 Rpm
Sample Heating at n_{\max} (Ambient Temperature of 23 °C, Run Time 90 min)	< 0 °C	< 0 °C	< 0 °C
Aerosol-tight (Tested and approved by HPA, Porton-Down, UK)	Yes	Yes	Yes
Maximum Autoclave Temperature	121 °C	121 °C	121 °C

120 V, 60 Hz, ventilated

Centrifuge	Legend XT	Legend XF	ST 40
Weight of Empty Rotor	4.92 kg	4.92 kg	4.92 kg
Max. Cycle Number	55000	55000	55000
Maximum Permissible Load	4 x 1500 g	4 x 1500 g	4 x 1500 g
Maximum Speed n_{max}	3800 Rpm	3800 Rpm	3800 Rpm
Maximum RCF-Value at n_{max}	3374	3374	3374
K-Factor	11567	11567	11567
Radius max. / min.	20.9 cm / 10.8 cm	20.9 cm / 10.8 cm	20.9 cm / 10.8 cm
Angle	90°	90°	90°
Accel. / Braking Time	75 s / 60 s	75 s / 60 s	75 s / 60 s
Sample Heating at n_{max} <small>(Ambient Temperature of 23 °C, Run Time 90 min)</small>	7 °C	7 °C	7 °C
Aerosol-tight (Tested and approved by HPA, Porton-Down, UK)	Yes	Yes	Yes
Maximum Autoclave Temperature	121 °C	121 °C	121 °C

120 V, 60 Hz, refrigerated

Centrifuge	Legend XTR	Legend XFR	ST 40R
Weight of Empty Rotor	4.92 kg	4.92 kg	4.92 kg
Max. Cycle Number	55000	55000	55000
Maximum Permissible Load	4 x 1500 g	4 x 1500 g	4 x 1500 g
Maximum Speed n_{max}	4200 Rpm	4200 Rpm	4200 Rpm
Maximum RCF-Value at n_{max}	4122	4122	4122
K-Factor	9469	9469	9469
Radius max. / min.	20.9 cm / 10.8 cm	20.9 cm / 10.8 cm	20.9 cm / 10.8 cm
Angle	90°	90°	90°
Accel. / Braking Time	70 s / 60 s	70 s / 60 s	70 s / 60 s
Maximum Speed at 4 °C	3900 Rpm	3900 Rpm	3900 Rpm
Sample Heating at n_{max} <small>(Ambient Temperature of 23 °C, Run Time 90 min)</small>	8 °C	8 °C	8 °C
Aerosol-tight (Tested and approved by HPA, Porton-Down, UK)	Yes	Yes	Yes
Maximum Autoclave Temperature	121 °C	121 °C	121 °C

100 V, 50 / 60 Hz, ventilated

Centrifuge	Legend XT	Legend XF	ST 40
Weight of Empty Rotor	4.92 kg	4.92 kg	4.92 kg
Max. Cycle Number	55000	55000	55000
Maximum Permissible Load	4 x 1500 g	4 x 1500 g	4 x 1500 g
Maximum Speed n_{max}	3800 Rpm	3800 Rpm	3800 Rpm
Maximum RCF-Value at n_{max}	3374	3374	3374
K-Factor	11567	11567	11567
Radius max. / min.	20.9 cm / 10.8 cm	20.9 cm / 10.8 cm	20.9 cm / 10.8 cm
Angle	90°	90°	90°
Accel. / Braking Time	75 s / 60 s	75 s / 60 s	75 s / 60 s
Sample Heating at n_{max} <small>(Ambient Temperature of 23 °C, Run Time 90 min)</small>	7 °C	7 °C	7 °C
Aerosol-tight (Tested and approved by HPA, Porton-Down, UK)	Yes	Yes	Yes
Maximum Autoclave Temperature	121 °C	121 °C	121 °C

100 V, 50 / 60 Hz, refrigerated

Centrifuge	Legend XTR	Legend XFR	ST 40R
Weight of Empty Rotor	4.92 kg	4.92 kg	4.92 kg
Max. Cycle Number	55000	55000	55000
Maximum Permissible Load	4 x 1500 g	4 x 1500 g	4 x 1500 g
Maximum Speed n_{max}	4200 Rpm	4200 Rpm	4200 Rpm
Maximum RCF-Value at n_{max}	4122	4122	4122
K-Factor	9469	9469	9469
Radius max. / min.	20.9 cm / 10.8 cm	20.9 cm / 10.8 cm	20.9 cm / 10.8 cm
Angle	90°	90°	90°
Accel. / Braking Time	70 s / 60 s	70 s / 60 s	70 s / 60 s
Maximum Speed at 4 °C	3900 Rpm	3900 Rpm	3900 Rpm
Sample Heating at n_{max} <small>(Ambient Temperature of 23 °C, Run Time 90 min)</small>	8 °C	8 °C	8 °C
Aerosol-tight (Tested and approved by HPA, Porton-Down, UK)	Yes	Yes	Yes
Maximum Autoclave Temperature	121 °C	121 °C	121 °C

1.3. Thermo Scientific General Purpose Centrifuges

230 V, 50 / 60 Hz, ventilated

Centrifuge	SL 40	SL 40 F
Weight of Empty Rotor	4.92 kg	4.92 kg
Max. Cycle Number	55000	55000
Maximum Permissible Load	4 x 1500 g	4 x 1500 g
Maximum Speed n_{\max}	3800 Rpm	3800 Rpm
Maximum RCF-Value at n_{\max}	3374	3374
K-Factor	11567	11567
Radius max. / min.	20.9 cm / 10.8 cm	20.9 cm / 10.8 cm
Angle	90°	90°
Accel. / Braking Time	147 s / 85 s	147 s / 85 s
Sample Heating at n_{\max} <small>(Ambient Temperature of 23 °C, Run Time 90 min)</small>	7 °C	7 °C
Aerosol-tight (Tested and approved by HPA, Porton-Down, UK)	Yes	Yes
Maximum Autoclave Temperature	121 °C	121 °C

230 V, 50 / 60 Hz, refrigerated

Centrifuge	SL 40 R	SL 40 FR
Weight of Empty Rotor	4.92 kg	4.92 kg
Max. Cycle Number	55000	55000
Maximum Permissible Load	4 x 1500 g	4 x 1500 g
Maximum Speed n_{\max}	4200 Rpm	4200 Rpm
Maximum RCF-Value at n_{\max}	4122	4122
K-Factor	9469	9469
Radius max. / min.	20.9 cm / 10.8 cm	20.9 cm / 10.8 cm
Angle	90°	90°
Accel. / Braking Time	96 s / 94 s	96 s / 94 s
Maximum Speed at 4 °C	4200 Rpm	4200 Rpm
Sample Heating at n_{\max} <small>(Ambient Temperature of 23 °C, Run Time 90 min)</small>	< 0 °C	< 0 °C
Aerosol-tight (Tested and approved by HPA, Porton-Down, UK)	Yes	Yes
Maximum Autoclave Temperature	121 °C	121 °C

120 V, 60 Hz, ventilated

Zentrifuge	Multifuge X3	Multifuge X3F
Gewicht (leer)	4.92 kg	4.92 kg
Maximale Zykluszahl	55000	55000
Maximal zulässige Beladung	4 x 1500 g	4 x 1500 g
Maximale Drehzahl n_{\max}	3800 Rpm	3800 Rpm
Maximaler RZB-Wert bei n_{\max}	3374	3374
K-Faktor	11567	11567
Radius max. / min.	20.9 cm / 10.8 cm	20.9 cm / 10.8 cm
Anstellwinkel	90°	90°
Beschleunigungs- / Bremszeit	75 s / 60 s	75 s / 60 s
Probentemperatur bei n_{\max} (Umgebungstemperatur 23 °C, Laufzeit 90 Minuten)	7 °C	7 °C
Aerosoldicht	Yes	Yes
Zulässige Temperatur zum Autoklavieren	121 °C	121 °C

120 V, 60 Hz, refrigerated

Zentrifuge	Multifuge X3	Multifuge X3F
Weight of Empty Rotor	4.92 kg	4.92 kg
Max. Cycle Number	55000	55000
Maximum Permissible Load	4 x 1500 g	4 x 1500 g
Maximum Speed n_{\max}	4200 Rpm	4200 Rpm
Maximum RCF-Value at n_{\max}	4122	4122
K-Factor	9469	9469
Radius max. / min.	20.9 cm / 10.8 cm	20.9 cm / 10.8 cm
Angle	90°	90°
Accel. / Braking Time	70 s / 60 s	70 s / 60 s
Maximum Speed at 4 °C	3900 Rpm	3900 Rpm
Sample Heating at n_{\max} (Ambient Temperature of 23 °C, Run Time 90 min)	8 °C	8 °C
Aerosol-tight (Tested and approved by HPA, Porton-Down, UK)	Yes	Yes
Maximum Autoclave Temperature	121 °C	121 °C