

Technical Data

Table 1-1. 230 V, 50 / 60 Hz ventilated

Centrifuge	Multifuge X3	Multifuge X3 F	Multifuge X1
Catalog #	75004500	75004530	75004210
Weight empty [kg]	2.4	2.4	2.4
Max. cycle number	50,000	50,000	50,000
Maximum permissible load [g]	48 x 4	48 x 4	48 x 4
Maximum speed $n_{\max}$ [rpm]	15,200	15,200	15,200
Maximum RCF value at $n_{\max}$	25,314	25,314	25,314
Max. / min. radius [cm]	9.8 / 5.9	9.8 / 5.9	9.8 / 5.9
Pitch angle [°]	45	45	45
Accel. / braking time [s]	45 / 45	45 / 45	45 / 45
Sample heating at $n_{\max}$ [°C] referred to ambient temperature of 23 °C, running time 120 minutes	19	19	16
Aerosol-tight*	yes	yes	yes
Permissible temperature range autoclavable °C	121	121	121

* Tested by HPA, Porton-down, UK

Centrifuge	Megafuge 40
Catalog #	75004503
Weight empty [kg]	2.4
Max. cycle number	50,000
Maximum permissible load [g]	48 x 4
Maximum speed $n_{\max}$ [rpm]	15,200
Maximum RCF value at $n_{\max}$	25,314
Max. / min. radius [cm]	9.8 / 5.9
Pitch angle [°]	45
Accel. / braking time [s]	45 / 45
Sample heating at $n_{\max}$ [°C] referred to ambient temperature of 23 °C, running time 120 minutes	19
Aerosol-tight*	yes
Permissible temperature range autoclavable °C	121

* Tested by HPA, Porton-down, UK

Table 1-2. 230 V, 50 / 60 Hz refrigerated

Centrifuge	Multifuge X3 R	Multifuge X3 FR	Multifuge X1 R
Catalog #	75004515	75004536	75004250
Weight empty [kg]	2.4	2.4	2.4
max. cycle number	50,000	50,000	50,000
Maximum permissible load [g]	48 x 4	48 x 4	48 x 4
maximum speed $n_{\max}$ [rpm]	15,200	15,200	15,200
maximum RCF value at $n_{\max}$	25,314	25,314	25,314
max. / min. radius [cm]	9.8 / 5.9	9.8 / 5.9	9.8 / 5.9
Pitch angle [°]	45	45	45
Accel. / braking time [s]	45 / 45	45 / 45	45 / 45
aerosol-tight*	yes	yes	yes
permissible temperature range autoclavable °C	121	121	121

* Tested by HPA, Porton-down, UK

Centrifuge	Megafuge 40R
Catalog #	75004518
Weight empty [kg]	2.4
max. cycle number	50,000
Maximum permissible load [g]	48 x 4
maximum speed $n_{\max}$ [rpm]	15,200
maximum RCF value at $n_{\max}$	25,314
max. / min. radius [cm]	9.8 / 5.9
Pitch angle [°]	45
Accel. / braking time [s]	45 / 45
aerosol-tight*	yes
permissible temperature range autoclavable °C	121

* Tested by HPA, Porton-down, UK

Table 1-3. 120 V, 60 Hz ventilated

Centrifuge	Multifuge X3	Multifuge X3F	Multifuge X1
Catalog #	75004501	75004504	75004211
Weight empty [kg]	2.4	2.4	2.4
Max. cycle number	50,000	50,000	50,000
Maximum permissible load [g]	48 x 4	48 x 4	48 x 4
Maximum speed $n_{\max}$ [rpm]	15,200	15,200	15,200
Maximum RCF value at $n_{\max}$	25,314	25,314	25,314
Max. / min. radius [cm]	9.8 / 5.9	9.8 / 5.9	9.8 / 5.9
Pitch angle [°]	45	45	45
Accel. / braking time [s]	45 / 45	45 / 45	55 / 50
Sample heating at $n_{\max}$ [°C] referred to ambient temperature of 23 °C, running time 120 minutes	19	19	16
Aerosol-tight*	yes	yes	yes
Permissible temperature range autoclavable °C	121	121	121

* Tested by HPA, Porton-down, UK

Centrifuge	Megafuge 40
Catalog #	75004518
Weight empty [kg]	2.4
Max. cycle number	50,000
Maximum permissible load [g]	48 x 4
Maximum speed $n_{\max}$ [rpm]	15,200
Maximum RCF value at $n_{\max}$	25,314
Max. / min. radius [cm]	9.8 / 5.9
Pitch angle [°]	45
Accel. / braking time [s]	45 / 45
Sample heating at $n_{\max}$ [°C] referred to ambient temperature of 23 °C, running time 120 minutes	19
Aerosol-tight*	yes
Permissible temperature range autoclavable °C	121

* Tested by HPA, Porton-down, UK

Table 1-4. 120 V, 60 Hz refrigerated

Centrifuge	Multifuge X3 R	Multifuge X3 FR	Multifuge X1 R
Catalog #	75004516	75004537	75004251
Weight empty [kg]	2.4	2.4	2.4
Max. cycle number	50,000	50,000	50,000
Maximum permissible load [g]	48 x 4	48 x 4	48 x 4
Maximum speed $n_{\max}$ [rpm]	15,200	15,200	15,200
Maximum RCF value at $n_{\max}$	25,314	25,314	25,314
Max. / min. radius [cm]	9.8 / 5.9	9.8 / 5.9	9.8 / 5.9
Pitch angle [°]	45	45	45
Accel. / braking time [s]	45 / 45	45 / 45	55 / 50
Aerosol-tight*	yes	yes	yes
Permissible temperature range autoclavable °C	121	121	121

*Tested by HPA, Porton-down, UK

Centrifuge	Megafuge 40R
Catalog #	75004519
Weight empty [kg]	2.4
Max. cycle number	50,000
Maximum permissible load [g]	48 x 4
Maximum speed $n_{\max}$ [rpm]	15,200
Maximum RCF value at $n_{\max}$	25,314
Max. / min. radius [cm]	9.8 / 5.9
Pitch angle [°]	45
Accel. / braking time [s]	45 / 45
Aerosol-tight*	yes
Permissible temperature range autoclavable °C	121

*Tested by HPA, Porton-down, UK

Table 1-5. 230 V, 50 / 60 Hz ventilated

Centrifuge	Sorvall Legend XT	Sorvall Legend XF	Sorvall Legend X1
Catalog #	75004505	75004532	75004220
Weight empty [kg]	2.4	2.4	2.4
Max. cycle number	50,000	50,000	50,000
Maximum permissible load [g]	48 x 4	48 x 4	48 x 4
Maximum speed $n_{\max}$ [rpm]	15,200	15,200	15,200
Maximum RCF value at $n_{\max}$	25,314	25,314	25,314
Max. / min. radius [cm]	9.8 / 5.9	9.8 / 5.9	9.8 / 5.9
Pitch angle [°]	45	45	45
Accel. / braking time [s]	45 / 45	45 / 45	45 / 45
Sample heating at $n_{\max}$ [°C] referred to ambient temperature of 23 °C, running time 120 minutes	19	19	16
Aerosol-tight*	yes	yes	yes
Permissible temperature range autoclavable °C	121	121	121

* Tested by HPA, Porton-down, UK

Centrifuge	Sorvall ST 40
Catalog #	75004509
Weight empty [kg]	2.4
Max. cycle number	50,000
Maximum permissible load [g]	48 x 4
Maximum speed $n_{\max}$ [rpm]	15,200
Maximum RCF value at $n_{\max}$	25,314
Max. / min. radius [cm]	9.8 / 5.9
Pitch angle [°]	45
Accel. / braking time [s]	45 / 45
Sample heating at $n_{\max}$ [°C] referred to ambient temperature of 23 °C, running time 120 minutes	19
Aerosol-tight*	yes
Permissible temperature range autoclavable °C	121

* Tested by HPA, Porton-down, UK

Table 1-6. 230 V, 50 / 60 Hz refrigerated

Centrifuge	Sorvall Legend XTR	Sorvall Legend XFR	Sorvall Legend X1R
Catalog #	75004520	75004538	750042260
Weight empty [kg]	2.4	2.4	2.4
Max. cycle number	50,000	50,000	50,000
Maximum permissible load [g]	48 x 4	48 x 4	48 x 4
Maximum speed $n_{\max}$ [rpm]	15,200	15,200	15,200
Maximum RCF value at $n_{\max}$	25,314	25,314	25,314
Max. / min. radius [cm]	9.8 / 5.9	9.8 / 5.9	9.8 / 5.9
Pitch angle [°]	45	45	45
Accel. / braking time [s]	45 / 45	45 / 45	45 / 45
Aerosol-tight*	yes	yes	yes
Permissible temperature range autoclavable °C	121	121	121

*Tested by HPA, Porton-down, UK

Centrifuge	Sorvall ST 40R
Catalog #	75004524
Weight empty [kg]	2.4
Max. cycle number	50,000
Maximum permissible load [g]	48 x 4
Maximum speed $n_{\max}$ [rpm]	15,200
Maximum RCF value at $n_{\max}$	25,314
Max. / min. radius [cm]	9.8 / 5.9
Pitch angle [°]	45
Accel. / braking time [s]	45 / 45
Aerosol-tight*	yes
Permissible temperature range autoclavable °C	121

*Tested by HPA, Porton-down, UK

Table 1-7. 120 V, 60 Hz ventilated

Centrifuge	Sorvall Legend XT	Sorvall Legend XF	Sorvall Legend 1X
Catalog #	75004506	75004533	75004221
Weight empty [kg]	2.4	2.4	2.4
Max. cycle number	50,000	50,000	50,000
Maximum permissible load [g]	48 x 4	48 x 4	48 x 4
Maximum speed $n_{\max}$ [rpm]	15,200	15,200	15,200
Maximum RCF value at $n_{\max}$	25,314	25,314	25,314
Max. / min. radius [cm]	9.8 / 5.9	9.8 / 5.9	9.8 / 5.9
Pitch angle [°]	45	45	45
Accel. / braking time [s]	45 / 45	45 / 45	55 / 50
Sample heating at $n_{\max}$ [°C] referred to ambient temperature of 23 °C, running time 120 minutes	19	19	16
Aerosol-tight*	yes	yes	yes
Permissible temperature range autoclavable °C	121	121	121

* Tested by HPA, Porton-down, UK

Centrifuge	Sorvall ST 40
Catalog #	75004510
Weight empty [kg]	2.4
Max. cycle number	50,000
Maximum permissible load [g]	48 x 4
Maximum speed $n_{\max}$ [rpm]	15,200
Maximum RCF value at $n_{\max}$	25,314
Max. / min. radius [cm]	9.8 / 5.9
Pitch angle [°]	45
Accel. / braking time [s]	45 / 45
Sample heating at $n_{\max}$ [°C] referred to ambient temperature of 23 °C, running time 120 minutes	19
Aerosol-tight*	yes
Permissible temperature range autoclavable °C	121

* Tested by HPA, Porton-down, UK

Table 1-8. 120 V, 60 Hz refrigerated

Centrifuge	Sorvall Legend XTR	Sorvall Legend XFR	Sorvall Legend X1R
Catalog #	75004521	75004539	75004261
Weight empty [kg]	2.4	2.4	2.4
Max. cycle number	50,000	50,000	50,000
Maximum permissible load [g]	48 x 4	48 x 4	48 x 4
Maximum speed $n_{\max}$ [rpm]	15,200	15,200	15,200
Maximum RCF value at $n_{\max}$	25,314	25,314	25,314
Max. / min. radius [cm]	9.8 / 5.9	9.8 / 5.9	9.8 / 5.9
Pitch angle [°]	45	45	45
Accel. / braking time [s]	45 / 45	45 / 45	55 / 50
Aerosol-tight*	yes	yes	yes
Permissible temperature range autoclavable °C	121	121	121

* Tested by HPA, Porton-down, UK

Centrifuge	Sorvall ST 40R
Catalog #	75004525
Weight empty [kg]	2.4
Max. cycle number	50,000
Maximum permissible load [g]	48 x 4
Maximum speed $n_{\max}$ [rpm]	15,200
Maximum RCF value at $n_{\max}$	25,314
Max. / min. radius [cm]	9.8 / 5.9
Pitch angle [°]	45
Accel. / braking time [s]	45 / 45
Aerosol-tight*	yes
Permissible temperature range autoclavable °C	121

* Tested by HPA, Porton-down, UK

Table 1-9. 100 V, 50 / 60 Hz ventilated

Centrifuge	Sorvall Legend XT	Sorvall Legend XF	Sorvall Legend 1X
Catalog #	75004507	75004534	75004223
Weight empty [kg]	2.4	2.4	2.4
Max. cycle number	50,000	50,000	50,000
Maximum permissible load [g]	48 x 4	48 x 4	48 x 4
Maximum speed $n_{\max}$ [rpm]	15,200	15,200	15,200
Maximum RCF value at $n_{\max}$	25,314	25,314	25,314
Max. / min. radius [cm]	9.8 / 5.9	9.8 / 5.9	9.8 / 5.9
Pitch angle [°]	45	45	45
Accel. / braking time [s]	45 / 45	45 / 45	60 / 50
Sample heating at $n_{\max}$ [°C] referred to ambient temperature of 23 °C, running time 120 minutes	19	19	21
Aerosol-tight*	yes	yes	yes
Permissible temperature range autoclavable °C	121	121	121

* Tested by HPA, Porton-down, UK

Centrifuge	Sorvall ST 40
Catalog #	75004511
Weight empty [kg]	2.4
Max. cycle number	50,000
Maximum permissible load [g]	48 x 4
Maximum speed $n_{\max}$ [rpm]	15,200
Maximum RCF value at $n_{\max}$	25,314
Max. / min. radius [cm]	9.8 / 5.9
Pitch angle [°]	45
Accel. / braking time [s]	45 / 40
Sample heating at $n_{\max}$ [°C] referred to ambient temperature of 23 °C, running time 120 minutes	19
Aerosol-tight*	yes
Permissible temperature range autoclavable °C	121

* Tested by HPA, Porton-down, UK

Table 1-10. 100 V, 50 / 60 Hz refrigerated

Centrifuge	Sorvall Legend XTR	Sorvall Legend XFR	Sorvall Legend X1R
Catalog #	75004522	75004540	75004263
Weight empty [kg]	2.4	2.4	2.4
Max. cycle number	50,000	50,000	50,000
Maximum permissible load [g]	48 x 4	48 x 4	48 x 4
Maximum speed $n_{\max}$ [rpm]	15,200	15,200	15,200
Maximum RCF value at $n_{\max}$	25,314	25,314	25,314
Max. / min. radius [cm]	9.8 / 5.9	9.8 / 5.9	9.8 / 5.9
Pitch angle [°]	45	45	45
Accel. / braking time [s]	45 / 45	45 / 45	60 / 60
Aerosol-tight*	yes	yes	yes
Permissible temperature range autoclavable °C	121	121	121

* Tested by HPA, Porton-down, UK

Centrifuge	Sorvall ST 40R
Catalog #	75004526
Weight empty [kg]	2.4
Max. cycle number	50,000
Maximum permissible load [g]	48 x 4
Maximum speed $n_{\max}$ [rpm]	15,200
Maximum RCF value at $n_{\max}$	25,314
Max. / min. radius [cm]	9.8 / 5.9
Pitch angle [°]	45
Accel. / braking time [s]	45 / 45
Aerosol-tight*	yes
Permissible temperature range autoclavable °C	121

* Tested by HPA, Porton-down, UK

Table 1-11. 230 V, 50 / 60 Hz ventilated

Centrifuge	SL 40	SL 40 F
Catalog #	75004512	75004542
Weight empty [kg]	2.4	2.4
Max. cycle number	50,000	50,000
Maximum permissible load [g]	48 x 4	48 x 4
Maximum speed $n_{\max}$ [rpm]	15,200	15,200
Maximum RCF value at $n_{\max}$	25,314	25,314
Max. / min. radius [cm]	9.8 / 5.9	9.8 / 5.9
Pitch angle [°]	45	45
Accel. / braking time [s]	45 / 45	45 / 45
Sample heating at $n_{\max}$ [°C] referred to ambient temperature of 23 °C, running time 120 minutes	19	19
Aerosol-tight*	yes	yes
Permissible temperature range autoclavable °C	121	121

* Tested by HPA, Porton-down, UK

Table 1-12. 230 V, 50 / 60 Hz refrigerated

Centrifuge	SL 40R	SL 40 FR
Catalog #	75004527	75004543
Weight empty [kg]	2.4	2.4
Max. cycle number	50,000	50,000
Maximum permissible load [g]	48 x 4	48 x 4
Maximum speed $n_{\max}$ [rpm]	15,200	15,200
Maximum RCF value at $n_{\max}$	25,314	25,314
Max. / min. radius [cm]	9.8 / 5.9	9.8 / 5.9
Pitch angle [°]	45	45
Accel. / braking time [s]	45 / 45	45 / 45
Aerosol-tight*	yes	yes
Permissible temperature range autoclavable °C	121	121

* Tested by HPA, Porton-down, UK

Table 1-13. 120 V, 60 Hz ventilated

Centrifuge	SL 40
Catalog #	75004513
Weight empty [kg]	2.4
Max. cycle number	50,000
Maximum permissible load [g]	48 x 4
Maximum speed $n_{\max}$ [rpm]	15,200
Maximum RCF value at $n_{\max}$	25,314
Max. / min. radius [cm]	9.8 / 5.9
Pitch angle [°]	45
Accel. / braking time [s]	45 / 45
Sample heating at $n_{\max}$ [°C] referred to ambient temperature of 23 °C, running time 120 minutes	19
Aerosol-tight*	yes
Permissible temperature range autoclavable °C	121

* Tested by HPA, Porton-down, UK

Table 1-14. 120 V, 60 Hz refrigerated

Centrifuge	SL 40R
Catalog #	75004528
Weight empty [kg]	2.4
Max. cycle number	50,000
Maximum permissible load [g]	48 x 4
Maximum speed $n_{\max}$ [rpm]	15,200
Maximum RCF value at $n_{\max}$	25,314
Max. / min. radius [cm]	9.8 / 5.9
Pitch angle [°]	45
Accel. / braking time [s]	45 / 45
Aerosol-tight*	yes
Permissible temperature range autoclavable °C	121

* Tested by HPA, Porton-down, UK