

## Technical Data

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

Centrifuge	Multifuge X3	Multifuge X3F	Megafuge 40
Catalog #	75004500	75004530	75004503
Weight of empty rotor [kg]	4.2	4.2	4.2
Max. cycle number	45000	45000	45000
Maximum permissible load [g]	2 x 770	2 x 770	2 x 770
Maximum speed $n_{max}$ [rpm]	4000	4000	4000
Maximum RCF value at $n_{max}$	2272	2272	2272
Max. / min. radius [cm]	12.2 / 7.9	12.2 / 7.9	12.2 / 7.9
Accel. / braking time [s]	30 / 30	30 / 30	30 / 30
Sample heating at $n_{max}$ [°C] referred to ambient temperature of 23 °C, running time 60 minutes	5	5	5
Aerosol-tight *	yes	yes	yes
Permissible temperature range autoclavable °C	121	121	121

\* Tested by HPA, Porton-down, UK

Centrifuge	Multifuge X1	Megafuge 16
Catalog #	75004210	75004230
Weight of empty rotor [kg]	4.2	4.2
Max. cycle number	45000	45000
Maximum permissible load [g]	2 x 770	2 x 770
Maximum speed $n_{max}$ [rpm]	4000	4000
Maximum RCF value at $n_{max}$	2272	2272
Max. / min. radius [cm]	12.2 / 7.9	12.2 / 7.9
Accel. / braking time [s]	30 / 30	30 / 30
Sample heating at $n_{max}$ [°C] referred to ambient temperature of 23 °C, running time 60 minutes	5	5
Aerosol-tight *	yes	yes
Permissible temperature range autoclavable °C	121	121

\* Tested by HPA, Porton-down, UK

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

<b>Centrifuge</b>	<b>Multifuge X3R</b>	<b>Multifuge X3FR</b>	<b>Megafuge 40R</b>
Catalog #	75004515	75004536	75004518
Weight of empty rotor [kg]	4.2	4.2	4.2
Max. cycle number	45000	45000	45000
Maximum permissible load [g]	2 x 770	2 x 770	2 x 770
Maximum speed $n_{max}$ [rpm]	4000	4000	4000
Maximum RCF value at $n_{max}$	2272	2272	2272
Max. / min. radius [cm]	12.2 / 7.9	12.2 / 7.9	12.2 / 7.9
Accel. / braking time [s]	25 / 25	25 / 25	25 / 25
Aerosol-tight *	yes	yes	yes
Permissible temperature range autoclavable °C	121	121	121

\* Tested by HPA, Porton-down, UK

<b>Centrifuge</b>	<b>Multifuge X1R</b>	<b>Megafuge 16R</b>
Catalog #	75004250	75004270
Weight of empty rotor [kg]	4.2	4.2
Max. cycle number	45000	45000
Maximum permissible load [g]	2 x 770	2 x 770
Maximum speed $n_{max}$ [rpm]	4000	4000
Maximum RCF value at $n_{max}$	2272	2272
Max. / min. radius [cm]	12.2 / 7.9	12.2 / 7.9
Accel. / braking time [s]	25 / 25	25 / 25
Aerosol-tight *	yes	yes
Permissible temperature range autoclavable °C	121	121

\* Tested by HPA, Porton-down, UK

## 1 Rotor Specifications

Technical Data

**Table 1-3.** 120 V, 60 Hz ventilated

<b>Centrifuge</b>	<b>Multifuge X3</b>	<b>Multifuge X3F</b>	<b>Megafuge 40</b>
Catalog #	75004501	75004531	75004504
Weight of empty rotor [kg]	4.2	4.2	4.2
Max. cycle number	45000	45000	45000
Maximum permissible load [g]	2 x 770	2 x 770	2 x 770
Maximum speed $n_{\max}$ [rpm]	4000	4000	4000
Maximum RCF value at $n_{\max}$	2272	2272	2272
Max. / min. radius [cm]	12.2 / 7.9	12.2 / 7.9	12.2 / 7.9
Accel. / braking time [s]	30 / 30	30 / 30	30 / 30
Sample heating at $n_{\max}$ [°C] referred to ambient temperature of 23 °C, running time 60 minutes	5	5	5
Aerosol-tight *	yes	yes	yes
Permissible temperature range autoclavable °C	121	121	121

\* Tested by HPA, Porton-down, UK

<b>Centrifuge</b>	<b>Multifuge X1</b>	<b>Megafuge 16</b>
Catalog #	75004211	75004231
Weight of empty rotor [kg]	4.2	4.2
Max. cycle number	45000	45000
Maximum permissible load [g]	2 x 770	2 x 770
Maximum speed $n_{\max}$ [rpm]	4000	4000
Maximum RCF value at $n_{\max}$	2272	2272
Max. / min. radius [cm]	12.2 / 7.9	12.2 / 7.9
Accel. / braking time [s]	30 / 30	30 / 30
Sample heating at $n_{\max}$ [°C] referred to ambient temperature of 23 °C, running time 60 minutes	5	5
Aerosol-tight *	yes	yes
Permissible temperature range autoclavable °C	121	121

\* Tested by HPA, Porton-down, UK

**Table 1-4.** 120 V, 60 Hz refrigerated

<b>Centrifuge</b>	<b>Multifuge X3R</b>	<b>Multifuge X3FR</b>	<b>Megafuge 40R</b>
Catalog #	75004516	75004537	75004519
Weight of empty rotor [kg]	4.2	4.2	4.2
Max. cycle number	45000	45000	45000
Maximum permissible load [g]	2 x 770	2 x 770	2 x 770
Maximum speed $n_{max}$ [rpm]	4000	4000	4000
Maximum RCF value at $n_{max}$	2272	2272	2272
Max. / min. radius [cm]	12.2 / 7.9	12.2 / 7.9	12.2 / 7.9
Accel. / braking time [s]	30 / 35	30 / 35	30 / 35
Aerosol-tight *	yes	yes	yes
Permissible temperature range autoclavable °C	121	121	121

\* Tested by HPA, Porton-down, UK

<b>Centrifuge</b>	<b>Multifuge X1R</b>	<b>Megafuge 16R</b>
Catalog #	75004251	75004271
Weight of empty rotor [kg]	4.2	4.2
Max. cycle number	45000	45000
Maximum permissible load [g]	2 x 770	2 x 770
Maximum speed $n_{max}$ [rpm]	4000	4000
Maximum RCF value at $n_{max}$	2272	2272
Max. / min. radius [cm]	12.2 / 7.9	12.2 / 7.9
Accel. / braking time [s]	30 / 35	30 / 35
Aerosol-tight *	yes	yes
Permissible temperature range autoclavable °C	121	121

\* Tested by HPA, Porton-down, UK

## 1 Rotor Specifications

Technical Data

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

Centrifuge	Sorvall Legend XT	Sorvall XF	Sorvall ST40
Catalog #	75004505	75004532	75004509
Weight of empty rotor [kg]	4.2	4.2	4.2
Max. cycle number	45000	45000	45000
Maximum permissible load [g]	2 x 770	2 x 770	2 x 770
Maximum speed $n_{\max}$ [rpm]	4000	4000	4000
Maximum RCF value at $n_{\max}$	2272	2272	2272
Max. / min. radius [cm]	12.2 / 7.9	12.2 / 7.9	12.2 / 7.9
Accel. / braking time [s]	30 / 30	30 / 30	30 / 30
Sample heating at $n_{\max}$ [°C] referred to ambient temperature of 23 °C, running time 60 minutes	5	5	5
Aerosol-tight *	yes	yes	yes
Permissible temperature range autoclavable °C	121	121	121

\* Tested by HPA, Porton-down, UK

Centrifuge	Sorvall Legend X1	Sorvall ST16
Catalog #	75004220	75004240
Weight of empty rotor [kg]	4.2	4.2
Max. cycle number	45000	45000
Maximum permissible load [g]	2 x 770	2 x 770
Maximum speed $n_{\max}$ [rpm]	4000	4000
Maximum RCF value at $n_{\max}$	2272	2272
Max. / min. radius [cm]	12.2 / 7.9	12.2 / 7.9
Accel. / braking time [s]	30 / 30	30 / 30
Sample heating at $n_{\max}$ [°C] referred to ambient temperature of 23 °C, running time 60 minutes	5	5
Aerosol-tight *	yes	yes
Permissible temperature range autoclavable °C	121	121

\* Tested by HPA, Porton-down, UK

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

<b>Centrifuge</b>	<b>Sorvall Legend XTR</b>	<b>Sorvall XFR</b>	<b>Sorvall ST40R</b>
Catalog #	75004520	75004538	75004524
Weight of empty rotor [kg]	4.2	4.2	4.2
Max. cycle number	45000	45000	45000
Maximum permissible load [g]	2 x 770	2 x 770	2 x 770
Maximum speed $n_{max}$ [rpm]	4000	4000	4000
Maximum RCF value at $n_{max}$	2272	2272	2272
Max. / min. radius [cm]	12.2 / 7.9	12.2 / 7.9	12.2 / 7.9
Accel. / braking time [s]	25 / 25	25 / 25	25 / 25
Aerosol-tight *	yes	yes	yes
Permissible temperature range autoclavable °C	121	121	121

\* Tested by HPA, Porton-down, UK

<b>Centrifuge</b>	<b>Sorvall Legend X1R</b>	<b>Sorvall ST16R</b>
Catalog #	75004260	75004380
Weight of empty rotor [kg]	4.2	4.2
Max. cycle number	45000	45000
Maximum permissible load [g]	2 x 770	2 x 770
Maximum speed $n_{max}$ [rpm]	4000	4000
Maximum RCF value at $n_{max}$	2272	2272
Max. / min. radius [cm]	12.2 / 7.9	12.2 / 7.9
Accel. / braking time [s]	25 / 25	25 / 25
Aerosol-tight *	yes	yes
Permissible temperature range autoclavable °C	121	121

\* Tested by HPA, Porton-down, UK

## 1 Rotor Specifications

Technical Data

**Table 1-7.** 120 V, 60 Hz ventilated

Centrifuge	Sorvall Legend XT	Sorvall XF	Sorvall ST40
Catalog #	75004506	75004533	75004510
Weight of empty rotor [kg]	4.2	4.2	4.2
Max. cycle number	45000	45000	45000
Maximum permissible load [g]	2 x 770	2 x 770	2 x 770
Maximum speed $n_{\max}$ [rpm]	4000	4000	4000
Maximum RCF value at $n_{\max}$	2272	2272	2272
Max. / min. radius [cm]	12.2 / 7.9	12.2 / 7.9	12.2 / 7.9
Accel. / braking time [s]	30 / 30	30 / 30	30 / 30
Sample heating at $n_{\max}$ [°C] referred to ambient temperature of 23 °C, running time 60 minutes	5	5	5
Aerosol-tight *	yes	yes	yes
Permissible temperature range autoclavable °C	121	121	121

\* Tested by HPA, Porton-down, UK

Centrifuge	Sorvall Legend X1	Sorvall ST16
Catalog #	75004221	75004241
Weight of empty rotor [kg]	4.2	4.2
Max. cycle number	45000	45000
Maximum permissible load [g]	2 x 770	2 x 770
Maximum speed $n_{\max}$ [rpm]	4000	4000
Maximum RCF value at $n_{\max}$	2272	2272
Max. / min. radius [cm]	12.2 / 7.9	12.2 / 7.9
Accel. / braking time [s]	30 / 30	30 / 30
Sample heating at $n_{\max}$ [°C] referred to ambient temperature of 23 °C, running time 60 minutes	5	5
Aerosol-tight *	yes	yes
Permissible temperature range autoclavable °C	121	121

\* Tested by HPA, Porton-down, UK

**Table 1-8.** 120 V, 60 Hz refrigerated

<b>Centrifuge</b>	<b>Sorvall Legend XTR</b>	<b>Sorvall XFR</b>	<b>Sorvall ST40R</b>
Catalog #	75004521	75004539	75004525
Weight of empty rotor [kg]	4.2	4.2	4.2
Max. cycle number	45000	45000	45000
Maximum permissible load [g]	2 x 770	2 x 770	2 x 770
Maximum speed $n_{max}$ [rpm]	4000	4000	4000
Maximum RCF value at $n_{max}$	2272	2272	2272
Max. / min. radius [cm]	12.2 / 7.9	12.2 / 7.9	12.2 / 7.9
Accel. / braking time [s]	30 / 35	30 / 35	30 / 35
Aerosol-tight *	yes	yes	yes
Permissible temperature range autoclavable °C	121	121	121

\* Tested by HPA, Porton-down, UK

<b>Centrifuge</b>	<b>Sorvall Legend X1R</b>	<b>Sorvall ST16R</b>
Catalog #	75004261	75004381
Weight of empty rotor [kg]	4.2	4.2
Max. cycle number	45000	45000
Maximum permissible load [g]	2 x 770	2 x 770
Maximum speed $n_{max}$ [rpm]	4000	4000
Maximum RCF value at $n_{max}$	2272	2272
Max. / min. radius [cm]	12.2 / 7.9	12.2 / 7.9
Accel. / braking time [s]	30 / 35	30 / 35
Aerosol-tight *	yes	yes
Permissible temperature range autoclavable °C	121	121

\* Tested by HPA, Porton-down, UK



## 1 Rotor Specifications

Technical Data

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

Centrifuge	Sorvall Legend XT	Sorvall XF	Sorvall ST40
Catalog #	75004507	75004534	75004511
Weight of empty rotor [kg]	4.2	4.2	4.2
Max. cycle number	45000	45000	45000
Maximum permissible load [g]	2 x 770	2 x 770	2 x 770
Maximum speed $n_{\max}$ [rpm]	4000	4000	4000
Maximum RCF value at $n_{\max}$	2272	2272	2272
Max. / min. radius [cm]	12.2 / 7.9	12.2 / 7.9	12.2 / 7.9
Accel. / braking time [s]	30 / 30	30 / 30	30 / 30
Sample heating at $n_{\max}$ [°C] referred to ambient temperature of 23 °C, running time 60 minutes	5	5	5
Aerosol-tight *	yes	yes	yes
Permissible temperature range autoclavable °C	121	121	121

\* Tested by HPA, Porton-down, UK

Centrifuge	Sorvall Legend X1	Sorvall ST16
Catalog #	75004223	75004243
Weight of empty rotor [kg]	4.2	4.2
Max. cycle number	45000	45000
Maximum permissible load [g]	2 x 770	2 x 770
Maximum speed $n_{\max}$ [rpm]	4000	4000
Maximum RCF value at $n_{\max}$	2272	2272
Max. / min. radius [cm]	12.2 / 7.9	12.2 / 7.9
Accel. / braking time [s]	30 / 30	30 / 30
Sample heating at $n_{\max}$ [°C] referred to ambient temperature of 23 °C, running time 60 minutes	5	5
Aerosol-tight *	yes	yes
Permissible temperature range autoclavable °C	121	121

\* Tested by HPA, Porton-down, UK

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

Centrifuge	Sorvall Legend XTR	Sorvall XFR	Sorvall ST40R
Catalog #	75004522	75004540	75004526
Weight of empty rotor [kg]	4.2	4.2	4.2
Max. cycle number	45000	45000	45000
Maximum permissible load [g]	2 x 770	2 x 770	2 x 770
Maximum speed $n_{max}$ [rpm]	4000	4000	4000
Maximum RCF value at $n_{max}$	2272	2272	2272
Max. / min. radius [cm]	12.2 / 7.9	12.2 / 7.9	12.2 / 7.9
Accel. / braking time [s]	25 / 25	25 / 25	25 / 25
Aerosol-tight *	yes	yes	yes
Permissible temperature range autoclavable °C	121	121	121

\* Tested by HPA, Porton-down, UK

Centrifuge	Sorvall Legend X1R	Sorvall ST16R
Catalog #	75004263	75004383
Weight of empty rotor [kg]	4.2	4.2
Max. cycle number	45000	45000
Maximum permissible load [g]	2 x 770	2 x 770
Maximum speed $n_{max}$ [rpm]	4000	4000
Maximum RCF value at $n_{max}$	2272	2272
Max. / min. radius [cm]	12.2 / 7.9	12.2 / 7.9
Accel. / braking time [s]	25 / 25	25 / 25
Aerosol-tight *	yes	yes
Permissible temperature range autoclavable °C	121	121

\* Tested by HPA, Porton-down, UK

## 1 Rotor Specifications

Technical Data

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

Centrifuge	Thermo Scientific SL 40	Thermo Scientific SL 40F	Thermo Scientific SL 16
Catalog #	75004512	75004542	75004000
Weight of empty rotor [kg]	4.2	4.2	4.2
Max. cycle number	45000	45000	45000
Maximum permissible load [g]	2 x 770	2 x 770	2 x 770
Maximum speed $n_{\max}$ [rpm]	4000	4000	4000
Maximum RCF value at $n_{\max}$	2272	2272	2272
Max. / min. radius [cm]	12.2 / 7.9	12.2 / 7.9	12.2 / 7.9
Accel. / braking time [s]	30 / 30	30 / 30	30 / 30
Sample heating at $n_{\max}$ [°C] referred to ambient temperature of 23 °C, running time 60 minutes	5	5	5
Aerosol-tight *	yes	yes	yes
Permissible temperature range autoclavable °C	121	121	121

\* Tested by HPA, Porton-down, UK

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

Centrifuge	Thermo Scientific SL 40R	Thermo Scientific SL 40F	Thermo Scientific SL 16R
Catalog #	75004527	75004543	75004030
Weight of empty rotor [kg]	4.2	4.2	4.2
Max. cycle number	45000	45000	45000
Maximum permissible load [g]	2 x 770	2 x 770	2 x 770
Maximum speed $n_{\max}$ [rpm]	4000	4000	4000
Maximum RCF value at $n_{\max}$	2272	2272	2272
Max. / min. radius [cm]	12.2 / 7.9	12.2 / 7.9	12.2 / 7.9
Accel. / braking time [s]	25 / 25	25 / 25	25 / 25
Aerosol-tight *	yes	yes	yes
Permissible temperature range autoclavable °C	121	121	121

\* Tested by HPA, Porton-down, UK

**Table 1-13.** 120 V, 60 Hz ventilated

Centrifuge	Thermo Scientific SL 16
Catalog #	75004001
Weight of empty rotor [kg]	4.2
Max. cycle number	45000
Maximum permissible load [g]	2 x 770
Maximum speed $n_{max}$ [rpm]	4000
Maximum RCF value at $n_{max}$	2272
Max. / min. radius [cm]	12.2 / 7.9
Accel. / braking time [s]	30 / 30
Sample heating at $n_{max}$ [°C] referred to ambient temperature of 23 °C, running time 60 minutes	5
Aerosol-tight *	yes
Permissible temperature range autoclavable °C	121

\* Tested by HPA, Porton-down, UK

**Table 1-14.** 120 V, 60 Hz refrigerated

Centrifuge	Thermo Scientific SL 16R
Catalog #	75004031
Weight of empty rotor [kg]	4.2
Max. cycle number	45000
Maximum permissible load [g]	2 x 770
Maximum speed $n_{max}$ [rpm]	4000
Maximum RCF value at $n_{max}$	2272
Max. / min. radius [cm]	12.2 / 7.9
Accel. / braking time [s]	30 / 35
Aerosol-tight *	yes
Permissible temperature range autoclavable °C	121

\* Tested by HPA, Porton-down, UK