

# Heraeus

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

Centrifuge	Heraeus Multifuge X3	Heraeus Multifuge X3F	Heraeus Multifuge X1
Catalog #	75004500	75004530	75004210
Weight empty [kg] of rotor	7.16	7.16	7.16
Maximum permissible load [g]	14x75	14x75	14x75
maximum speed $n_{max}$ [rpm]	10,000	10,000	8,500
maximum RCF value at $n_{max}$	17,105	17,105	12,359
max. / min. radius [cm]	8.3 /15.3	8.3 /15.3	8.3 /15.3
Pitch angle [°]	34	34	34
Accel. / braking time [s]	135 / 90	135 / 90	95 / 90
sample heating at $n_{max}$ [° C] referred to ambient temperature of 23 °C, running time 60 minutes	21	21	19
aerosol-tight	no	no	no
max temperature for autoclaving °C	121	121	121

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

Centrifuge	Heraeus Multifuge X3R	Heraeus Multifuge X3FR	Heraeus Multifuge X1R
Catalog #	75004515	75004536	75004250
Weight empty [kg] of rotor	7.16	7.16	7.16
Maximum permissible load [g]	14x75	14x75	14x75
maximum speed $n_{max}$ [rpm]	10,000	10,000	8,500
maximum RCF value at $n_{max}$	17,105	17,105	12,359
max. / min. radius [cm]	8.3 /15.3	8.3 /15.3	8.3 /15.3
Pitch angle [°]	34	34	34
Accel. / braking time [s]	115 / 90	115 / 90	95 / 90
aerosol-tight	no	no	no
max temperature for autoclaving °C	121	121	121

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

<b>Centrifuge</b>	<b>Heraeus Multifuge X3</b>	<b>Heraeus Multifuge X3F</b>	<b>Heraeus Multifuge X1</b>
Catalog #	75004501	75004531	75004211
Weight empty [kg] of rotor	7.16	7.16	7.16
Maximum permissible load [g]	14x75	14x75	14x75
maximum speed $n_{max}$ [rpm]	9,250	9,250	8,500
maximum RCF value at $n_{max}$	14,636	14,636	12,359
max. / min. radius [cm]	8.3 /15.3	8.3 /15.3	8.3 /15.3
Pitch angle [°]	34	34	34
Accel. / braking time [s]	145 / 90	145 / 90	120 / 105
sample heating at $n_{max}$ [° C] referred to ambient temperature of 23 °C, running time 60 minutes	19	19	21
aerosol-tight	no	no	no
max temperature for autoclaving °C	121	121	121

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

<b>Centrifuge</b>	<b>Heraeus Multifuge X3R</b>	<b>Heraeus Multifuge X3FR</b>	<b>Heraeus Multifuge X1R</b>
Catalog #	75004516	75004537	75004251
Weight empty [kg] of rotor	7.16	7.16	7.16
Maximum permissible load [g]	14x75	14x75	14x75
maximum speed $n_{max}$ [rpm]	9,250	9,250	8,500
maximum RCF value at $n_{max}$	14,636	14,636	12,359
max. / min. radius [cm]	8.3 /15.3	8.3 /15.3	8.3 /15.3
Pitch angle [°]	34	34	34
Accel. / braking time [s]	135 / 90	135 / 90	115 / 105
aerosol-tight	no	no	no
max temperature for autoclaving °C	121	121	121

# Sorvall

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

Centrifuge	Sorvall Legend XT	Sorvall Legend XF	Sorvall Legend X1
Catalog #	75004505	75004532	75004220
Weight empty [kg] of rotor	7.16	7.16	7.16
Maximum permissible load [g]	14x75	14x75	14x75
maximum speed $n_{max}$ [rpm]	10,000	10,000	8,500
maximum RCF value at $n_{max}$	17,105	17,105	12,359
max. / min. radius [cm]	8.3 /15.3	8.3 /15.3	8.3 /15.3
Pitch angle [°]	34	34	34
Accel. / braking time [s]	135 / 90	135 / 90	95 / 90
sample heating at $n_{max}$ [° C] referred to ambient temperature of 23 °C, running time 60 minutes	21	21	19
aerosol-tight	no	no	no
max temperature for autoclaving °C	121	121	121

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

Centrifuge	Sorvall Legend XTR	Sorvall Legend XFR	Sorvall Legend X1R
Catalog #	75004520	75004538	75004260
Weight empty [kg] of rotor	7.16	7.16	7.16
Maximum permissible load [g]	14x75	14x75	14x75
maximum speed $n_{max}$ [rpm]	10,000	10,000	8,500
maximum RCF value at $n_{max}$	17,105	17,105	12,359
max. / min. radius [cm]	8.3 /15.3	8.3 /15.3	8.3 /15.3
Pitch angle [°]	34	34	34
Accel. / braking time [s]	115 / 90	115 / 90	95 / 90
aerosol-tight	no	no	no
max temperature for autoclaving °C	121	121	121

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

<b>Centrifuge</b>	<b>Sorvall Legend XT</b>	<b>Sorvall Legend XF</b>	<b>Sorvall Legend X1</b>
Catalog #	75004506	75004533	75004221
Weight empty [kg] of rotor	7.16	7.16	7.16
Maximum permissible load [g]	14x75	14x75	14x75
maximum speed $n_{max}$ [rpm]	9,250	9,250	8,500
maximum RCF value at $n_{max}$	14,636	14,636	12,359
max. / min. radius [cm]	8.3 /15.3	8.3 /15.3	8.3 /15.3
Pitch angle [°]	34	34	34
Accel. / braking time [s]	145 / 90	145 / 90	120 / 105
sample heating at $n_{max}$ [° C] referred to ambient temperature of 23 °C, running time 60 minutes	19	19	21
aerosol-tight	no	no	no
max temperature for autoclaving °C	121	121	121

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

<b>Centrifuge</b>	<b>Sorvall Legend XTR</b>	<b>Sorvall Legend XFR</b>	<b>Sorvall Legend X1R</b>
Catalog #	75004521	75004539	75004261
Weight empty [kg] of rotor	7.16	7.16	7.16
Maximum permissible load [g]	14x75	14x75	14x75
maximum speed $n_{max}$ [rpm]	9,250	9,250	8,500
maximum RCF value at $n_{max}$	14,636	14,636	12,359
max. / min. radius [cm]	8.3 /15.3	8.3 /15.3	8.3 /15.3
Pitch angle [°]	34	34	34
Accel. / braking time [s]	135 / 90	135 / 90	115 / 105
aerosol-tight	no	no	no
max temperature for autoclaving °C	121	121	121

## 1 Rotor Specifications

Sorvall

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

Centrifuge	Sorvall Legend XT	Sorvall Legend XF	Sorvall Legend X1
Catalog #	75004507	75004534	75004223
Weight empty [kg] of rotor	7.16	7.16	7.16
Maximum permissible load [g]	14x75	14x75	14x75
maximum speed $n_{max}$ [rpm]	9,250	9,250	8,500
maximum RCF value at $n_{max}$	14,636	14,636	12,359
max. / min. radius [cm]	8.3 /15.3	8.3 /15.3	8.3 /15.3
Pitch angle [°]	34	34	34
Accel. / braking time [s]	150 / 90	150 / 90	120 / 105
sample heating at $n_{max}$ [° C] referred to ambient temperature of 23 °C, running time 60 minutes	19	19	21
aerosol-tight	no	no	no
max temperature for autoclaving °C	121	121	121

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

Centrifuge	Sorvall Legend XTR	Sorvall Legend XFR	Sorvall Legend X1R
Catalog #	75004522	75004540	75004263
Weight empty [kg] of rotor	7.16	7.16	7.16
Maximum permissible load [g]	14x75	14x75	14x75
maximum speed $n_{max}$ [rpm]	9,000	9,000	8,500
maximum RCF value at $n_{max}$	13,855	13,855	12,359
max. / min. radius [cm]	8.3 /15.3	8.3 /15.3	8.3 /15.3
Pitch angle [°]	34	34	34
Accel. / braking time [s]	120 / 80	120 / 80	115 / 105
aerosol-tight	no	no	no
max temperature for autoclaving °C	121	121	121