Features	Eppendorf ThermoMixer C	Eppendorf ThermoMixer F0.5	Eppendorf ThermoMixer F1.5
Basic application	Heating/mixing/cooling	Heating/mixing	Heating/mixing
Temperature control range	min: 15°C*² below RT, max: 100°C	min: 4°C above RT, max: 100°C	min: 4°C above RT, max: 100°C
Lowest and highest settings	1°C/100°C	1°C/100°C	1°C/100°C
Maximum temperature accuracy	± 0.5 °C at 20–45 °C	± 0.5°C at 20–45°C	± 0.5°C at 20–45°C
Temperature homogeneity	Max. ± 0.5°C at 20–45°C (all SmartBlock positions)	Max. ± 0.5°C at 20–45°C (all SmartBlock positions)	Max. ± 0.5°C at 20–45°C (all SmartBlock positions)
Maximum heating rate	7°C/min	15°C/min	11°C/min
Maximum cooling rate	2.5°C/min between 100°C and RT	–	–
Mixing frequency	300–3,000 rpm (depends on SmartBlock used)	300–2,000 rpm	300–1,500 rpm
Mixing orbit in Ø (orbit)	3 mm	3 mm	3 mm
Timer	15 sec to 99:30 h, continuous	–	–
Accessories	> Exchangeable SmartBlocks (automatic block recognition) > ThermoTop with condens.protect® technology	> ThermoTop with condens.protect® technology	> ThermoTop with condens.protect® technology
Programs	> 20 program slots available > 5 program keys (pre-defined, rewritable) > Programmable: up to 4 program levels	> 5 temperature keys (pre-defined at 37°C, 42°C, 56°C, 95°C and temp off)	> 5 temperature keys (pre-defined at 37°C, 42°C, 56°C, 95°C and temp off)
Additional functions	> ²ᴰMix-Control > Anti-spill technology > Short Mix > Intervall Mix > Time/temp mode > Pause function > USB interface*¹	> ²ᴰMix-Control > Anti-spill technology > USB interface*¹ > Short Mix	> ²ᴰMix-Control > Anti-spill technology > USB interface*¹ > Short Mix
Mains/power connection	100 V–130 V ±10 %, 50 Hz–60 Hz 220 V–240 V ±10 %, 50 Hz–60 Hz	100 V–130 V ±10 %, 50 Hz–60 Hz 220 V–240 V ±10 %, 50 Hz–60 Hz	100 V–130 V ±10 %, 50 Hz–60 Hz 220 V–240 V ±10 %, 50 Hz–60 Hz
Output	200 W (max.)	200 W (max.)	200 W (max.)
Dimensions (W × D × H)	20.6 × 30.4 × 13.6 cm	20.6 × 30.4 × 16.3 cm	20.6 × 30.4 × 17.0 cm
Weight	6.3 kg	6.2 kg	6.3 kg

*¹ Only for Eppendorf Service
*² ± 2°C
Technical specifications subject to change.

Eppendorf ThermoMixer F2.0	Eppendorf ThermoMixer FP	Eppendorf ThermoStat C	Eppendorf MixMate®
Heating/mixing	Heating/mixing	Heating/cooling	Mixing
min: 4°C above RT, max: 100°C	min: 4°C above RT, max: 100°C	min: 30°C*2 below RT, max: 110°C	–
1°C/100°C	1°C/100°C	-10°C/110°C (110°C can be set when using 12 mm and cryo)	–
± 0.5°C at 20–45°C	± 1°C at 20–45°C	± 0.5°C at 20–45°C	–
Max. ± 0.5°C at 20–45°C (all SmartBlock positions)	Max. ± 0.5°C at 20–45°C (all SmartBlock positions)	Max. ± 0.5°C at 20–45°C (all SmartBlock positions)	–
13°C/min	18°C/min	5.5°C/min	–
–	–	5°C/min between 110°C and RT	–
300–1,500 rpm	300–2,000 rpm	–	300–3,000 rpm 3,500 rpm (vortexing)
3 mm	3 mm	–	3 mm
–	–	15 sec to 99:30 h, continuous	15 sec to 99:30 h, continous
> ThermoTop with condens.protect® technology	> ThermoTop with condens.protect® technology	> Exchangeable SmartBlocks (automatic block recognition) > ThermoTop with condens.protect® technology	> 5 tube holders (0.5 mL, 1.5/ 2.0 mL, 96 well PCR, 5/ 15 mL, 25/ 50 mL)
> 5 temperature keys (pre-defined at 37°C, 42°C, 56°C, 95°C and temp off)	> 5 temperature keys (pre-defined at 37°C, 42°C, 56°C, 95°C and temp off)	> 15 program slots available > 5 temperature keys pre-defined at 4°C, 16°C, 37°C, 56°C and 95°C) > Programmable: up to 4 program levels	> 5 softkeys (pre-defined, most common mixing parameters)
> 2DMix-Control > Anti-spill technology > USB interface*1 > Short Mix	> 2DMix-Control > Anti-spill technology > USB interface*1 > Short Mix	> Pause function > USB interface*1 > Time/temp mode	> 2DMix-Control > Anti-spill technology > Touch vortexing
100 V–130 V ±10 %, 50 Hz–60 Hz 220 V–240 V ±10 %, 50 Hz–60 Hz	100 V–130 V ±10 %, 50 Hz–60 Hz 220 V–240 V ±10 %, 50 Hz–60 Hz	100 V–130 V ±10 %, 50 Hz–60 Hz 220 V–240 V ±10 %, 50 Hz–60 Hz	100 V–130 V ±10 %, 50 Hz–60 Hz 220 V–240 V ±10 %, 50 Hz–60 Hz
200 W (max.)	200 W (max.)	200 W (max.)	40 W (max.)
20.6 × 30.4 × 17.0 cm	20.6 × 30.4 × 16.4 cm	20.6 × 30.4 × 13.1 cm	17.0 × 23.0 × 13.0 cm
6.3 kg	6.1 kg	4.3 kg	4.2 kg