

ES-20/60, Orbital Shaker-Incubator



DESCRIPTION

Orbital Shaker-Incubator **ES-20/60** for biotechnological and pharmaceutical laboratories is a professional category equipment designed for cultivation of microorganisms and eukaryotic cells including animal, plant and insect cells. It is also possible to cultivate thermophilic bacteria in **ES-20/60** shaker-incubator.

Shaker is equipped with a direct-drive mechanism for platform motion. It provides reliable and stable operation for the long term experiments needed for cell growth.

Shaker-Incubator **ES-20/60** provides smooth or intensive mixing in flasks installed on the platform.

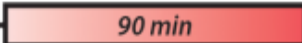
Built-in noiseless thermoresistant brushless fan provides precise temperature distribution inside the chamber (adjustable for up to +80°C). The inner chamber is made of stainless steel. State-of-the-art motor, newest thermal insulation materials, soft-start of the platform motion and temperature PID-control decrease the energy consumption and make the Shaker-Incubator highly energy efficient despite its relatively large size.



SPECIFICATION

Speed control range	50-250 rpm (increment 10 rpm)
Temperature setting range	+25°C... +80°C
Temperature control range	10°C above ambient... +80°C
Temperature setting resolution	0.1°C
Temperature stability	±0.5°C
Temperature accuracy at +37°C	±0.5°C
Temperature uniformity at +37°C	±0.5°C
Maximum load	8 kg
Orbit	20 mm
Digital time setting	1 min-96 hrs / non-stop (1 min increment)
Display	LCD, 2 × 16 signs
Maximum continuous operation time	30 days
Overall dimensions (W×D×H)	590 × 525 × 510 mm
Dimensions of the inner chamber	460 × 350 × 400 mm
Weight	41.1 kg
Nominal operating voltage	230 V, 50/60 Hz or 120 V, 50/60 Hz
Power consumption (230V / 120 V)	450 W (2 A) / 450 W (4.5 A)

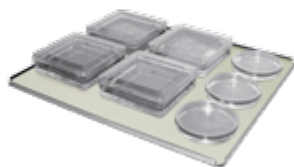
Heat up time for ES-20/60

from 25°C +  to 80°C

CAT. NR.

	ES-20/60 w-out platform, incl. power plug
BS-010135-AAA	230VAC 50/60Hz Euro plug
BS-010135-AAB	230VAC 50/60Hz UK plug
BS-010135-AA3	230VAC 50/60Hz AU plug
BS-010135-AAC	120VAC 60Hz US plug
please, inquire	100VAC 50/60Hz US plug
-----	Optional accessories
BS-010135-DK	Platform P-6/1000
BS-010135-AK	Platform P-9/500
BS-010135-CK	Platform P-16/250
BS-010135-BK	Platform P-30/100
BS-010135-FK	Platform PP-400 with silicone mat

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PP-400

Flat platform with non-slip silicone mat can accommodate various low profile containers (360x400 mm)