

Excella E24 & E25 Series Shaker Specifications

SPECIFICATIONS		E24 & E24R	E25 & E25R
TEMPERATURE	Range	E24 & E25: 7°C above ambient to 60°C E24R & E25R: 15°C below ambient to 60°C	
	Accuracy & Control	±0.1°C at 37°C, regulated by PI microprocessor feedback control with platinum RTD sensor	
	Refrigeration	E24R & E25R only: Hermetically-sealed compressor uses CFC-free refrigerant	
	Heaters	Low-watt density resistance-type heaters	
SHAKING	Range	50 to 400 rpm with 3/4" (1.9 cm) diameter orbit	50 to 400 rpm with 1" (2.54 cm) diameter orbit
	Control	± 2 rpm over entire speed range by means of PI microprocessor controller. Acceleration circuit prevents sudden starts and minimizes splashing	
	Drive	UniCentric™ heavy-duty counterbalanced drive with DC brushless motors and permanently lubricated ball bearings	
TIMER		Enables programmable shaking periods from 0.1 hr to 99.9 hrs. Shuts off agitation at end of period	
ALARMS		Visible warning signal indicates when speed deviates more than 5 rpm, and temperature more than 1°C from setpoints, and when timer has expired	
LED DISPLAY		Indicates speed, running time, alarm conditions and temperature. Character height 9/16" (1.4 cm)	
SAFETY		Sensor stops shaker when lid is opened and shuts off temperature when high temperature limit is exceeded	
ELECTRIC	Service	120V 50/60 Hz. 100 V 60 Hz. 230 V 50 Hz. 100 V 50 Hz	
	Power	E24: 800 VA E24R: 1,500 VA	E25: 800 VA E25R: 1,500 VA
SETPOINT RETENTION		Setpoints and operating status retained by non-volatile memory. Automatic restart after power is restored. (Indicated by flashing display)	
DIMENSIONS wide x deep x high	Platform	18" x 18" (46 x 46 cm)	30" x 18" (76 x 46 cm)
	Chamber	20.25" x 21.5" x 14" (51.4 x 54.6 x 35.6 cm)	33.5" x 23" x 19" (85 x 58 x 48 cm)
	Overall	22" x 30" x 24" (56 x 76.2 x 61 cm)	50" x 30.5" x 41.7" (127 x 77 x 85 cm)
	Lid open	40" High (101.6 cm)	65" High (165 cm)
WEIGHT	Net	E24: 135 lbs. E24R: 180 lbs.	E25: 420 lbs. E25R: 450 lbs.
	Gross	E24: 145 lbs. E24R: 190 lbs.	E25: 450 lbs. E25R: 480 lbs.
AMBIENT OPERATING CONDITIONS		Temperature: 10°C to 35°C. Humidity: 20% - 80% RH, non-condensing	
CERTIFICATIONS		cETLus. Meets UL, CSA and CE standards	
WARRANTY		US and Canada: 2 years parts & labor. Elsewhere: contact your local NBS rep	

(*) Specifications subject to change without notice.

(†) Based on shaking a typical workload.



Excella E25 / E25R



Benchtop E24 / E24R



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