



Big Bill Orbital Shakers



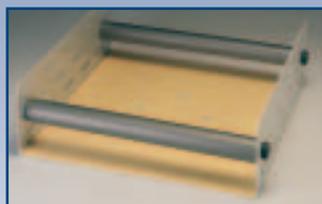
Big Bill Orbital Shakers



Analog Control
Panel



Digital Oscillating
Control Panel



Universal Holder

Durable Shakers for Large - Capacity Applications!

- Heavy-duty cast metal body for durability
- Three mixing modes (digital models only)
- Timer option available on the digital models
- Choose from two large platform sizes
- Precise variable speed control from 25 to 450 rpm
- ☆ 24 Month Warranty



Product Description/Operations:

All units Feature:

- Precise, variable speed control from 25-450 rpm for gentle to vigorous shaking.
- Two large platform sizes: 16.7" x 16.7" (Big Bill) or 21" x 21" (Bigger Bill) to accommodate flasks, test tube racks and utility trays.
- Maximum load capacity = 55 Lbs (25 kg) holds up to five 6L flasks.
- Increase vessel capacity with double tier platform (see Accessories). Use at speeds of 100 rpm or slower.
- Units operate in temperature ranges of 4 to 45°C and humidity conditions from 20% to 80% non-condensing enabling them to be used in incubators, warm rooms, environmental chambers and refrigerators.

Analog Units Feature:

- On/Off rocker switch.
- Economical, dial speed control when digital readout is not necessary.

Digital Units Feature:

- Easy-to-use push button for time and speed.
- Three mixing models (clockwise, counterclockwise, oscillation) offers versatility depending upon your application.
 - Oscillating circular movement guarantees low shear force while maintaining optimum mixing.
 - Shaker also performs continuous circular clockwise or counterclockwise stirring.
- Two timed options are offered for timed studies.
 - General mixing = up to 99 hours and 59 min.
 - Oscillating mixing = 5 sec to 2.8 hours

Applications

- Molecular Biology
- Fermentation
- Mixing Viscous Solutions
- Bacterial Suspensions
- Cell Cultures

Thermolyne Shakers



PRODUCT SPECIFICATIONS

Type	Description	Speed Control	Platform Dimensions Inches (cm)		Overall Dimensions Inches (cm)			Power	Shipping Weight Lbs (kg)	List Price
			W	D	W	H	D			
M49125	Big Bill	Analog	16.7 (42.4)	16.7 (42.4)	16.7 (42.4)	9 (22.9)	16.7 (42.4)	120V, 0.4A	38 (17.2)	\$1,538.00
M49120-26	Big Bill	Analog	16.7 (42.4)	16.7 (42.4)	16.7 (42.4)	9 (22.9)	16.7 (42.4)	220/240V, 0.2A	38 (17.2)	\$1538.00
M49235	Bigger Bill	Analog	21 (53.3)	21 (53.3)	21 (53.3)	9 (22.9)	21 (53.3)	120V, 0.4A	50 (22.7)	\$1,788.00
M59230-26	Bigger Bill	Analog	21 (53.3)	21 (53.3)	21 (53.3)	9 (22.9)	21 (53.3)	220/240V, 0.2A	50 (22.7)	\$1,788.00
M73625	Big Bill	Digital	16.7 (42.4)	16.7 (42.4)	16.7 (42.4)	9 (22.9)	16.7 (42.4)	120V, 1.4A	38 (17.2)	\$2,057.00
M73620-26	Big Bill	Digital	16.7 (42.4)	16.7 (42.4)	16.7 (42.4)	9 (22.9)	16.7 (42.4)	220/240V, 0.2A	38 (17.2)	\$2,057.00
M73735	Bigger Bill	Digital	21 (53.3)	21 (53.3)	21 (53.3)	9 (22.9)	21 (53.3)	120V, 0.4A	50 (22.7)	\$2,322.00
M73730-26	Bigger Bill	Digital	21 (53.3)	21 (53.3)	21 (53.3)	9 (22.9)	21 (53.3)	220/240V, 0.2A	20 (22.7)	\$2,322.00

-26 Models Supplied with European Cord Set
Load Capacity 55 Lbs. (25 kg)
Speed Range rpm 25 - 450
Orbit Diameter inches (cm) .75 (1.9)

ORDERING INFORMATION

Model #	Description	Electrical (50/60 Hz)		US List Price	Model #	Description	Electrical (50/60 Hz)		US List Price
		Volts	Amps				Volts	Amps	
M49120-26	Analog Big Bill	220	0.2	\$1,698.00	M49235'	Analog Bigger Bill	120	0.4	\$1,974.00
M49125'	Analog Big Bill	120	0.4	\$1,698.00	M73730-26	Digital Oscillating Bigger Bill	220	0.2	\$2,563.00
M73620-26	Digital Oscillating Big Bill	220	0.2	\$2,272.00	M73735'	Digital Oscillating Bigger Bill	120	0.4	\$2,563.00
M73625'	Digital Oscillating Big Bill	120	0.4	\$2,272.00	-26 Models Supplied with European Cord Set.				
M49230-26	Analog Bigger Bill	220	0.2	\$1,974.00	'CSA				

ACCESSORIES

Model #	Description	US List Price	Model #	Description	Big Bill Capacity*	Bigger Bill Capacity*	US List Price
AY491X1A	Adjustable Labware Platform for Big Bill - Accommodates flasks, test tube racks, bottles and unusually shaped objects: 11"x13" (27.9x33.0 cm)	\$247.00	FCX64	15 ml flask clamp	64	100	\$21.00
AY492X1A	Adjustable Labware Platform for Bigger Bill - Accommodates flasks, test tube racks, bottles and unusually shaped objects: 16"x16" (40.6x40.6 cm)	\$264.00	FCX65	25 ml flask clamp	64	100	\$21.00
AY734X1	Tube platform: Accommodates 42 16x125 mm test tubes	\$470.00	FCX66	50 ml flask clamp	64	100	\$22.00
AY491X3A	Double tiered platform - Big Bill	\$197.00	FCX67	125 ml flask clamp	29	50	\$27.00
AY492X3A	Double tiered platform - Bigger Bill	\$277.00	FCX68	250 ml flask clamp	25	36	\$33.00
			FCX69	500 ml flask clamp	16	25	\$41.00
			FCX70	1000 ml flask clamp	9	16	\$43.00
			FCX74	2000 ml flask clamp	9	9	\$53.00
			FCX84	4000 ml flask clamp	5	5	\$74.00
			FCX85	6000 ml flask clamp	5	5	\$92.00

* Depends on flask mix and configuration.
For a complete system, order...
Big Bill shaker with flask platform & flask clamps