

Section 2 Specifications

Model number	SHKA7000	SHKA7000-1CE	SHKE7000	SHKE7000-1CE
Exterior Unit Dimensions				
Length	25" (63.5 cm)	25" (63.5 cm)	25" (63.5 cm)	25" (63.5 cm)
Width	21.5" (54.6 cm)	21.5" (54.6 cm)	21.5" (54.6 cm)	21.5" (54.6 cm)
Height	18" (45.7 cm)	18" (45.7 cm)	18" (45.7 cm)	18" (45.7 cm)
Weight	95 lbs (43.1 kg)	95 lbs (43.1 kg)	95 lbs (43.1 kg)	95 lbs (43.1 kg)
Bath Chamber Dimensions				
Length	16" (41 cm)	16" (41 cm)	16" (41 cm)	16" (41 cm)
Width	14" (36 cm)	14" (36 cm)	14" (36 cm)	14" (36 cm)
Height	7.5" (19 cm)	7.5" (19 cm)	7.5" (19 cm)	7.5" (19 cm)
Electrical - Standard Temperature				
Voltage AC	120	220-240	120	220-240
Amperage	7.0	4.0	7.0	3.5
Wattage	850	850	800	800
Frequency	50/60	50/60	50/60	50/60

Intended Use

Orbital shakers are designed to provide increased aeration in a stable temperature environment.

Unintended Use

- 1) Not intended for use in Class I or II applications as defined in 21 CFR
- 2) Not intended for mixtures of flammable materials

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Speed Accuracy	40 to 400 rpm, ± 10 rpm	40 to 400 rpm, ± 10 rpm	15 to 500 rpm, ± 1 rpm	15 to 500 rpm, ± 1 rpm
Timer	Continuous or timed operation from 1-60 min.	Continuous or timed operation from 1-60 min.	Continuous or timed operation 0.1-999 hours or 0.1-999 mins.	Continuous or timed operation 0.1-999 hours or 0.1-999 mins.
Display	3 individual LED displays indicate temperature in 1°C increments. Analog tachometer displays speed in rpm.	3 individual LED displays indicate temperature in 1°C increments. Analog tachometer displays speed in rpm.	3 individual LED displays indicate temperature, time and speed simultaneously. 3 characters height $\frac{1}{2}$ inch (1.27 cm)	3 individual LED displays indicate temperature, time and speed simultaneously. 3 characters height $\frac{1}{2}$ inch (1.27 cm)
Mutable Alarms	None	None	Audible portion of the alarm can be silenced for a period of 1 hour without deactivating the actual alarm condition by depressing any key.	Audible portion of the alarm can be silenced for a period of 1 hour without deactivating the actual alarm condition by depressing any key.
Motor	Permanent Magnet DC	Permanent Magnet DC	Solid State Brushless DC	Solid State Brushless DC
Soft Start Feature	None	None	Software algorithms prevent sudden start/stops.	Software algorithms prevent sudden start/stops.
RS232 Interface *	None	None	Monitor speed, temperature in $^{\circ}\text{C}$ and time with a computer.	Monitor speed, temperature in $^{\circ}\text{C}$ and time with a computer.
Recorder Output *	None	None	10 mv/ $^{\circ}\text{C}$ output monitors temperature with external chart recorder.	10 mv/ $^{\circ}\text{C}$ output monitors temperature with external chart recorder.

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Speed	None	None	Audible with flashing LED indicate when speed deviates more than 10% of set point.	Audible with flashing LED indicate when speed deviates more than 10% of set point.
Speed Shut off	None	None	When speed deviates 10% of set point, unit will shut down immediately.	When speed deviates 10% of set point, unit will shut down immediately.
Timer	Continuous operation (hold) or timed operation from 1 to 60 minutes	Continuous operation (hold) or timed operation from 1 to 60 minutes	Beeps twice when time has expired. Shaking motion stops.	Beeps twice when time has expired. Shaking motion stops.
Unbalanced Load	None	None	If the unit is running in an unbalanced condition, an alarm will sound and the shaker will stop until the end user corrects the condition. The speed display will flash "bAL" on speed panel LED.	If the unit is running in an unbalanced condition, an alarm will sound and the shaker will stop until the end user corrects the condition. The speed display will flash "bAL" on speed panel LED.

Optional Platform Dimensions - in. (cm)	
Catalog Number L x W	
30105	Universal 13" x 11" (33 x 27.9 cm)