

Innovative triple-cam shaking mechanism with offering reliable performance across a wide speed range.

Specially designed to carry out heavy-duty and trouble-free operations continuously.



SKC - 7075

with optional slide type dedicated platform

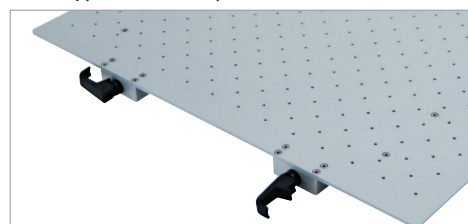
Optional accessories see page 152

- Dual universal platforms, Rubber mats, Universal attachments
- Flask clamps, Funnel clamps, Test tube racks, Spring wire racks

Control panel

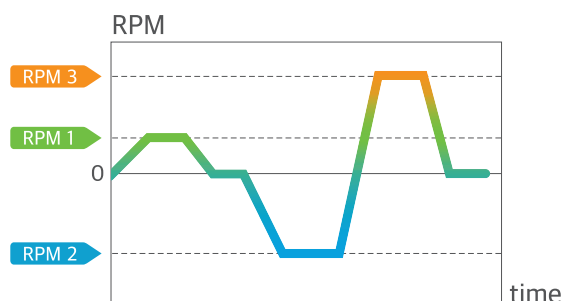


Slide type universal platform (optional)





Progressive program operation



Programming parameters		
Max. number of segments in one(1) pattern (cycle)		20
Max. number of patterns (cycle) saved		20
Shaking motion - Forward & Backward, Pause	Time	1min. to 99hr. 59min.
	rpm	30 to 500

Performance

- Microprocessor PID control maintaining constant speed
- Competitive high shaking speed up to 500 rpm.
- Orbital shaking motion in various diameter.
 - 19mm for SKC-6075/7075
 - 25mm for SKC-6100/7100
 - 50mm for SKC-6200/7200
- Wide speed range even with heavy workload.
 - Ideal DD(Direct Drive) Brushless Motor and triple cam system support heavy load, quiet, maintenance free operation and deliver high torque at high speeds and smooth rotation.

- Best effort run function intelligently manages its rpm to keep shaking even workload is out of its capacity.
- Automatic shaking speed adjustment in case of excessive workload such as unbalanced load placement, unusual vibrations caused from unstable floor or external shock.
- Pleasant test environment by the smooth acceleration and deceleration control.
- Smooth start and smooth stop function prevent chemical spills from flasks or test tubes.
- Exceptional low-profile design (only 12cm from bottom to platform) minimizes vibration or sliding caused by the high speed shaking motion.

Convenience

- User friendly control panel.
 - Lab Companion's unique VFD-bright, clear, easy to read.
 - Durable membrane touch switch and control knob.
- Easy-exchangeable slide type universal platform reduces physical fatigue when handling the heavy load samples. (optional)
- Repetitive task can be easily performed as the platform stops where it starts.
- Stopping the shaking platform always at the same position is highly beneficial for automated dosing or sampling process.
- Variety of accessories are available to meet application demands.

Safety

- Shaking speed deviation alarm.
- Over-current protection.

Model		SKC-6075	SKC-6100	SKC-6200	SKC-7075	SKC-7100	SKC-7200
Control system		PID feedback control					
Display		VFD					
Shaking system	Motion type	Orbital					
	Amplitude size (mm / inch, dia)	19 / 0.75	25 / 1	50 / 2	19 / 0.75	25 / 1	50 / 2
	Speed range ²⁾ (rpm)	30 to 500					
	Accuracy at 100 rpm	±1					
Dimension	Platform (WxD) (mm / inch)	Small	580×520 / 22.8×20.5			755×520 / 29.7×20.5	
		Large	660×520 / 26×20.5			885×520 / 34.8×20.5	
	Body ¹⁾ (WxDxH) (mm / inch)	582.8×618 ×122.2			754.8×662×122.2		
		22.9×24.3×4.8			29.7×26.1×4.8		
Net weight (kg / lbs)		65 / 143.3			75 / 165.4		
Electric requirements (230V, 50 / 60Hz)		0.4A					
Cat. No.		AAH30105K	AAH30115K	AAH30125K	AAH30205K	AAH30215K	AAH30225K
Electric requirements (120V, 60Hz)		0.8A					
Cat. No.		AAH30106U	AAH30116U	AAH30126U	AAH30206U	AAH30216U	AAH30226U

1) Main body dimension without accessories.

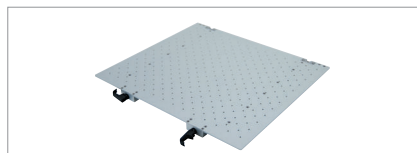
2) In case of operating at high speed (350 to 500 rpm), it is recommended to use optional attachments to be fixed on the working surface.

* Permissible environmental conditions: temperature (5-40°C) and relative humidity (up to 80%).

* FDA establishment registered company. FDA listed products.

Accessories & Options

for Open-air Shakers (SKC models)



Universal platforms



Dual universal platforms



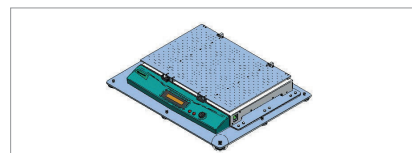
Spring wire racks
(two tier rack with flexible crossed spring)



Universal attachments



Rubber mats



Weight increaser

Cat. No.	Description	SKC - 6000 models		SKC - 7000 models	
		Small	Large	Small	Large
Universal platform	Single	AAA30501	AAA30503	AAA30502	AAA30504
	Dual ¹⁾	-	-	AAA30541	AAA30542
-	Erlenmeyer flask size	Max. mountable flask clamps			
AAA23550	for 50 ml	84	96	108	126
AAA23551	for 100 ml	54	66	72	84
AAA23552	for 250 ml	33	39	42	51
AAA23556	for 300 ml	28	32	36	40
AAA23553	for 500 ml	20	24	27	30
AAA23554	for 1 L	14	16	18	20
AAA23555	for 2 L	8	11	12	13
AAA23557	for 2.8 L	6	7	9	11
AAA23558	for 4 L	4	6	8	9
AAA23559	for 6 L	3	4	6	7
-	Erlenmeyer flask size	Max. mountable flask clamps			
AAA30570	for 50 ml	56	64	72	80
AAA30571	for 100 ~ 125 ml	42	48	54	60
AAA30572	for 200 ml	25	39	30	32
AAA30573	for 250 ml	25	30	30	32
AAA30574	for 300 ml	25	30	30	32
AAA30575	for 500 ml	20	20	24	28
AAA30576	for 1 L	10	12	12	15
AAA30577	for 2 L	6	6	6	9
-	Separating funnel size	Max. mountable funnel clamps			
AAA23562	for 250 ml	14	16	18	20
AAA23563	for 500 ml	9	10	11	14
AAA23564	for 1 L	7	8	9	12
AAA23565	for 2 L	5	6	7	8
-	Test tube size	Mountable capacity of racks			
AAA23581	for 86 test tubes, ø8mm	8	9	9	12
AAA23582	for 86 test tubes, ø10mm				
AAA23583	for 58 test tubes, ø12mm				
AAA23584	for 58 test tubes, ø14mm				
AAA23585	for 32 test tubes, ø16mm				
AAA23586	for 19 test tubes, ø25mm				
AAA23594	for 10 test tubes, ø35mm				
-	Holder type	Max. mountable microplate holders			
AAA23654	Single	20	23	25	28
AAA23651	Tower	16	19	22	25
AAA23652	Flat A(large)	3	4	4	5
AAA23653	Flat B(small)	4	5	6	7

1) Universal platform attachments are mounted on the dual universal platform, Under the dual universal platform are mounted only 50ml, 100ml 250ml

- Refer to the above chart (Distance between platforms is 175mm).

2) No declination

* Above accessories need to be mounted on a universal platform which is sold separately.

Description	SKC - 6000 models		SKC - 7000 models	
	Small	Large	Small	Large
Spring wire rack	AAA30521	AAA30522	AAA30523	AAA30524
Universal attachment	AAA30511	AAA30512	AAA30513	AAA30514
Rubber mat	AAA30531	AAA30532	AAA30533	AAA30534

Description	SKC - 6000 models		SKC - 7000 models	
	Small	Large	Small	Large
Lab Sticker	AAA30551			
Weight increaser	AAA30562		AAA30561	