

As the technology leader and the oldest name in the marine air conditioning industry, we have accepted the challenge of creating a new design that is not only smaller than the units previously available, but more importantly, more efficient than anything in it's class. It's called **mini-kool** and it's built by the company whose name is synonymous with high quality and durability...**Aqua-Air!**

### Features



- ▶ Compact, low profile units are the smallest available. SSIG-05 is the **"Worlds Smallest"**.
- ▶ Designed and engineered for maximum efficiency with open mounted condenser.
- ▶ Quiet, high efficiency rotary (on 5K-16K), and scroll compressors (on 24K).
- ▶ Aqua-Air **TSV Sapphire** digital microprocessor control and mechanical control versions available.
- ▶ Rugged yet light weight design.
- ▶ High and Low pressure switches for protection of valuable equipment are standard on all units and interface with **TSV** digital controls.
- ▶ High capacity motorized impeller blowers provide excellent air flow with quiet operation.
- ▶ Blowers are fully insulated and rotatable for variability in installation and ducting.
- ▶ Corrosion resistant, galvanized and coated condensate pan has multiple drain locations.
- ▶ Simple plug in of control panels on factory installed connector cables.
- ▶ Double vibration isolation on all models.
- ▶ All models utilize the environmentally friendly **R-407C** refrigerant.
- ▶ 90-10 cupronickel condensers are corrosion resistant for low maintenance and long life.
- ▶ 1 year limited warranty on the system

The **mini-kool** SSIG-05 is the **"Worlds Smallest"** full featured marine air conditioning unit. It includes all of the features of the **mini-kool** line such as reverse cycle and electronic control and operates at only 3.5 amps. At less than 1 cubic foot in overall volume, it requires 32% less installation space than its nearest competitor. This design features a compact and very quiet blower with selectable vertical or horizontal outlet. Controls plug in to the factory installed leads. Complete installation kits are available.



The **mini-kool** unit is commonly used in new installations however it is very well suited to the replacement or retrofitting of an older, less efficient or obsolete unit, or as an upgrade. This self contained unit is a refrigerant to air heat exchanger that has all the major components mounted on one chassis. It is installed in the area of the boat that is to be heated or cooled.

Basic refrigeration theory dictates that opposite heat exchanges occurring in close proximity have a canceling effect, which translates to efficiency loss. True to this principle, the **mini-kool** achieves maximum efficiency through the application of a correctly sized seawater condenser located in the proper orientation to the unit's evaporator coil. By choosing **mini-kool**, you know you're getting the highest efficiency available!



**TSV Series Digital Thermostat  
Included with all SSIG Units**

Technical Specifications		S*IG-05	S*IG-07	S*IG-10	S*IG-12	S*IG-16	S*IG-24C
Capacity	BTU/H KCAL/H	5,000 1,260	7,000 1,764	10,000 2,520	12,000 3,024	16,000 4,032	24,000 6,048
Air Flow	CFM m <sup>3</sup> /HR	170 290	270 560	330 560	400 679	533 904	800 1358
Amp Draw	115 VAC 230 VAC	3.5 -	6.3 3.0	8.0 4.0	10.4 4.8	11.7 5.6	- 8.4
Power	Watts	380	685	877	1051	1298	2328
Blower Adapter Diameter	IN MM	4 102	5 127	5 127	6 152	6 152	7 178
Minimum Return Air Grille Size	IN <sup>2</sup> CM <sup>2</sup>	64 413	72 465	100 645	120 775	144 930	225 1450
Minimum Supply Air Grille Size	IN <sup>2</sup> CM <sup>2</sup>	13 84	40 258	48 310	60 387	72 465	120 775
Height (max.)	IN CM	11.38 28.90	12.75 32.4	12.75 32.4	13.38 33.9	13.38 33.9	18.00 45.7
Width (pan)	IN CM	16.50 41.9	20.00 50.8	20.00 50.8	20.00 50.8	20.00 50.8	29.25 74.3
Depth (pan)	IN CM	9.00 22.8	10.63 27.0	12.00 30.5	12.00 30.5	12.00 30.5	18.00 45.7
Required Seawater Flow	GPH LPH	100 390	140 540	200 760	240 915	320 1220	480 1825
Net Weight	LBS / KG	45.0 / 20.5	56.0 / 25.5	57.0 / 25.9	61.0 / 27.7	68.0 / 30.9	120 / 54.5
Ship Weight	LBS / KG	49.0 / 22.3	63.0 / 28.7	64.0 / 29.1	68.0 / 30.9	75.0 / 34.1	130 / 59.1

**\*S = TSV Digital Control (SSIG) \*M = Mechanical Control (SMIG)**

Add 'C' to the end of the model number for 208-230/1/60, 'CK' for 200-220/1/50

Standard units are 115 V, 50/60Hz and 230V, 50/60Hz, and operate at rated capacities at 60 Hz. Standard unit capacity is reduced by 17% when operated at 50 Hz. For full capacity units at 50Hz, order 'CK' models.

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