



# S-SERIES

Closed-loop, Standard Design  
2 to 20 Ton Capacity Units



3 & 5 Ton



7.5 & 10 Ton



15 & 20 Ton

## Standard, Closed-Loop Platform

This standard, closed-loop chiller is the reliable solution for many process cooling applications. It offers both indoor and outdoor models with a wide range of options, making it adaptable for virtually any situation.

### PRODUCT SUMMARY

- Indoor and outdoor air-cooled models available
- Indoor water-cooled models available
- Packages available for enhanced controls and high ambient situations
- Water or water/glycol fluids
- Fluid setpoint range 50 to 85°F
- Capacities: 36,000 to 240,000 BTU/hr (at 65°F fluid temp and 95°F ambient)  
Temps can vary but will affect capacity.
- Temperature stability  $\pm 3^\circ\text{F}$  ( $\pm 1^\circ\text{F}$  on certain configurations)
- Ambient temperature:
  - 50 to 95°F (indoor)
  - 20 to 95°F (outdoor standard)
  - 20 to 115°F (outdoor high ambient)
- Built to UL 1995
- 18-month parts and labor warranty
- 24/7 service and support
- Next day parts available

### BASE CONFIGURATION

- Digital controller
  - Hermetic scroll compressor
  - Brazed plate evaporator
  - Manual fluid bypass valve
  - Hot gas regulator
  - Discharge fluid pressure gauge
  - Corrosion free, non-pressurized tank
  - Refrigerant and tank sight glasses
  - Cleanable air filters
  - Fused disconnect
  - R407C (R134A on high ambient models)
  - Powder-coated cabinet
- The following features are included only in water-cooled, high ambient & enhanced control models:
- PCOxs controller
  - 24 VDC control voltage
  - Phase monitor
  - Fault interlocks

### OPTIONS\*\*

- Pressure and flow pump upgrades
- Pressure relief bypass
- Inlet water filter
- Auto water fill
- Anti-backflow kit
- Float switch
- 50 and 60Hz power options
- Casters (up to 5 tons)
- CE certified
- CSA certified or compliant
- Motorized hot gas bypass \*\*\*
- Communication options \*\*\*
- Economizer interface \*\*\*
- Remote controller \*\*\*

\*\* Not all options are available in all sizes.  
\*\*\* These options are ONLY available in certain configurations. Please consult factory for details.

MODEL	CAPACITY <sup>a</sup> @ 65°F fluid setpoint and 95°F ambient	VOLTAGE	FLA <sup>a</sup>	INLET/OUTLET PORT SIZE	TANK CAPACITY	MAX DIMENSIONS L x W x H	CRATED WEIGHT	PUMP STANDARD		PUMP PRESSURE 80 PSI UPGRADE	PUMP FLOW UPGRADE	
AIR COOLED or WATER COOLED INDOOR	BTU per HR AIR/WATER 65°/95°	VOLTS	AMPS AIR/ WATER	IN	GAL	INCH	LBS	GPM	PSI	GPM	GPM	PSI
SVI-3000-M / SWI-3000-M	36,000 / 34,900	230/3/60	22.0 / 20.6	1.5	36	34.5 x 37 x 65	1,100	10	45	10	30	38
		460/3/60	11.2 / 10.4									
SVI-5000-M / SWI-5000-M	60,000 / 66,600	230/3/60	29.0 / 27.6	1.5	36	34.5 x 37 x 65	1,100	15	45	15	40	45
		460/3/60	16.2 / 15.4									
SVI-7500-M / SWI-7500-M	90,000 / 104,400	460/3/60	22.0 / 20.4	2	60	57 x 37 x 65.5	1,600	25	40	25	40	45
SVI-10000-M / SWI-10000-M	120,000 / 126,650	460/3/60	26.0 / 24.4	2	60	57 x 37 x 65.5	1,600	30	40	30	70	38
SVI-15000-M / SWI-15000-M	180,000 / 206,550	460/3/60	44.1 / 40.1	2	75	57 x 61.5 x 65.5	2,550	60	45	60	120	42
SVI-20000-M / SWI-20000-M	240,000 / 255,950	460/3/60	55.1 / 47.1	2	75	57 x 61.5 x 65.5	2,550	60	45	60	120	42
AIRCOOLED OUTDOOR	BTU/HR 65°/95°	VOLTS	AMPS	IN	GAL	INCH	LBS	GPM	PSI	GPM	GPM	PSI
SVO-2000-M	24,000	230/3/60	22.0	1.25	8	28.25 x 31 x 49	900	10	35	10	n/a	n/a
		460/3/60	10.0									
SVO-3000-M	36,000	230/3/60	23.0	1.5	36	34.5 x 37 x 68.5	1,100	10	45	10	30	38
		460/3/60	12.0									
SVO-5000-M	60,000	230/3/60	34.0	1.5	36	34.5 x 37 x 68.5	1,100	15	45	15	40	45
		460/3/60	17.0									
SVO-7500-M	90,000	460/3/60	22.8	2	60	57 x 37 x 68.5	1,600	25	40	25	40	45
SVO-10000-M	120,000	460/3/60	26.9	2	60	57 x 37 x 68.5	1,600	30	40	30	70	38
SVO-15000-M	180,000	460/3/60	44.2	2	75	57 x 61.5 x 70	2,550	60	45	60	120	42
SVO-20000-M	240,000	460/3/60	52.2	2	75	57 x 61.5 x 70	2,550	60	45	60	120	42
HIGH AMBIENT AIRCOOLED OUTDOOR	BTU/HR 65°/115°	VOLTS	AMPS	IN	GAL	INCH	LBS	GPM	PSI	GPM	GPM	PSI
SVO-3003-M	24,700	230/3/60	23.0	1.5	36	34.5 x 37 x 68.5	1,100	10	45	10	30	38
		460/3/60	12.0									
SVO-5003-M	50,800	230/3/60	34.0	1.5	36	34.5 x 37 x 68.5	1,100	15	45	15	40	45
		460/3/60	17.0									
SVO-7503-M	71,500	460/3/60	22.8	2	60	57 x 37 x 68.5	1,600	25	40	25	40	45
SVO-10003-M	85,500	460/3/60	26.9	2	60	57 x 37 x 68.5	1,600	30	40	30	70	38
SVO-15003-M	140,450	460/3/60	44.2	2	75	57 x 61.5 x 70	2,550	60	45	60	120	42
SVO-20003-M	173,550	460/3/60	52.2	2	75	57 x 61.5 x 70	2,550	60	45	60	120	42

Fluid temperatures and ambients can vary from those stated. Please consult the factory for the effect on capacity. <sup>a</sup> Does not include pump upgrade.