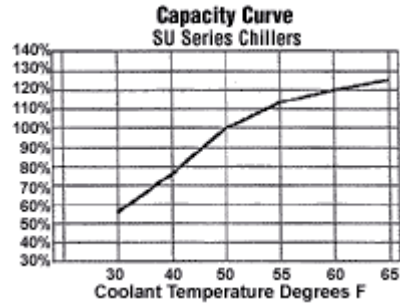
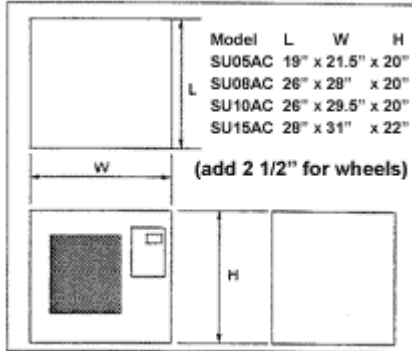


# Compact Utility Chillers

## GENERAL SPECIFICATION SERIES SU

This *specification* is for a series of small packaged air-condensing chillers. The units are self-contained, compact, quiet, efficient, durable and attractive. The units feature digitally adjustable coolant temperature, automatic load adjustment, automatic coolant bypass and a sealed compressor for long life.



### REFRIGERATION SYSTEM:

#### Cooling capacity BTU/Hr @ 50°F:

SU05	SU08	SU10	SU15
5,000	7,000	10,000	14,800

### Safety Controls:

- Low pressure cut-out
- Pressure relief
- Compressor motor overload
- Main circuit fuse
- NEMA electrical enclosure
- Fused line circuit
- Magnetic starter
- Compressor overload protection
- Main power

### Design temperature range:

30 to 75°F leaving coolant

### Design ambient range:

40 to 95°F

	110V/1/60	220/1/60<	220/3/60
SU05	12 Amps	N/A	N/A
SU08	20 Amps	10 Amps	N/A
SU10	N/A	12 Amps	N/A
SU15	N/A	18 Amps	12

### Compressor: Copeland hermetic

SU05	SU08	SU10	SU15
1/2 Hp	3/4 Hp	1 1/4 Hp	1 1/2 Hp

### COOLANT SYSTEM

Pump: Centrifugal

SU05	SU08	SU10/15
1/8 hp	1/8 hp	1/2 hp

**Condenser Type:**

Air cooled aluminum fin, copper tube fitted with cooling fan

**Evaporator:**

Fully insulated steel shell and copper tube in tube heat exchanger. Coolant only in contact with copper.

**Pressure Relief:**

Receiver to be fitted with fusible plug type pressure relief device.

**Capacity Control:**

On/Off control standard Optional Hot Gas Bypass to control +/- 1/2°F with microprocessor digital temperature controller with programmable limits.

**Expansion valve:**

Thermal control expansion valve.

**Refrigerant piping:**

All ACR specification copper, joined with silver bearing brazing. Service and isolation valves (2). Full refrigerant charge

**Other features:**

Desiccant core drier  
 Refrigerant sight glass

**Thermostat:**

Electronic microprocessor digital controller with programmable limits.>

**Pressure and flow:**

	SU05	SU08	SU10	SU15
PSI	11	11	30	25
GPM	3	3	4	8

**Coolant piping:** All Copper

**Coolant Connections:** One each, on supply, return

SU05	SU08	SU10/15
1/2" FPT	1/2" FPT	3/4" FPT
2 gal tank	2 gal tank	4 gal tank

**PHYSICAL**

**Weight:**

SU05	SU08	SU10	SU15
130 lbs.	210 lbs.	280 lbs.	300 lbs.

**Mounting:**

Skid mounted with bolt-down lugs or casters at customer choice.

**Frame:**

Structural steel

**Covers:**

Galvanized steel, painted removable for maintenance

**Paint color:**

Light Gray

**OPTIONS**

- Hot gas bypass temperature control
- Low tank warning light
- Low flow warning light and interlock
- High temperature warning light
- Special colors
- Stainless steel exterior