



thermal innovations

# SoliTherm<sup>®</sup> Progressive and Protec Series **ENCLOSURE AIR CONDITIONERS**

## Feature-Rich:

- ◆ Condensate Evaporation Package
- ◆ Powder Coated or Stainless Steel
- ◆ Programmable Digital Controller
- ◆ RS 485 Modbus Interface
- ◆ Integrated Heater
- ◆ UL Listed – Type 12, 4, 3R and 4X
- ◆ 2-Year Warranty

**NEW!**  
SoliTherm Protec Series  
for Corrosive  
Environments



UL Listed: Encl. Acc. E498756



# Overview of Progressive and Protec Series

These enclosure air conditioners provide reliable cooling for indoor and outdoor applications. Cooling capacities range from 1,000 BTU/hr to 21,170 BTU/hr. Operating temperature range for the Progressive Series is -40°F to 140°F.

All air conditioners in both these series meet **UL Type 12, 4, 3R and 4X** requirements. They are sealed against incursion of dust and water to the IP56 standard. The units can be configured for 120 V, 230 V or 480 V — single or 3-phase power. The 21,170 BTU/hr unit has the smallest footprint in the industry.

## Features and Benefits

**Drip-Free Condensate:** Every Progressive Series air conditioner comes with an integrated condensate evaporation package that's designed for drip-free operation.

**Digital Controller:** All units come with a programmable digital controller with built-in display that is viewable and accessible from inside the cabinet for convenience. Controllers can be programmed to control air conditioner temperature set-point, heater and set alarms/alerts. Default temperature set-point is 95°F. All units come with RS-485 Modbus interface.

**Warranty:** A two-year warranty is provided on all Progressive and Protec Series air conditioners. That's twice the industry standard and reflects Seifert's commitment to developing products that are designed to provide years of reliable service.



### Uniquely Designed with User-Preferred Features:

- ◆ Power Coated Steel – RAL 7035
- ◆ Type 4x units are brushed finish 304 or AISI 316 stainless steel
- ◆ Integrated heater
- ◆ Hermetically sealed cooling system
- ◆ Aluminum mesh filter
- ◆ R134a refrigerant
- ◆ Mounting flange hangers for easy installation
- ◆ Digital programmable controller
- ◆ RS-485 Modbus
- ◆ High temp alarm preset to 131°F
- ◆ Operating temperature from -40°F to 140°F
- ◆ Cage clamp terminal connector
- ◆ Meets IP56



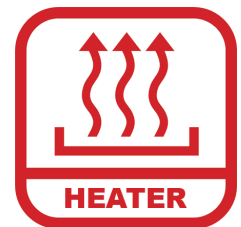
## Solitherm Protec Series for Corrosive Environments

SOLITHERM PROTEC enclosure air conditioners are designed for use in extremely harsh and corrosive environments. Applications include the petrochemical industry, waste/water treatment plants and marine. The coated condenser and tubing on the ambient side as well as a stainless steel housing made of V4A (AISI 316) ensure enhanced protection against chemicals and salt fog.

The protection classes of IP 56, NEMA / Type 12, 3R, 4X and a temperature range of -40°F to +140°F safeguard your electronics from corrosive environments.

### **SOLITHERM PROTEC features include:**

- ◆ Stainless steel AISA 316 (V4A) housing
- ◆ Condensate evaporation
- ◆ Coated condenser
- ◆ Integrated enclosure heater
- ◆ Protected copper tubing - ambient side
- ◆ RS-485 Modbus interface included
- ◆ Protected controller - enclosure side
- ◆ Enhanced chemical and salt spray resistance
- ◆ Protection class IP 56 / Type 3R, 4X



## Progressive Air Conditioner Product Line

Model	BTU/hr	Voltage & Phase (V at 50/60 Hz)	Running Amps	Heater (W)	Max. Ambient Temp. (°F)	Finish	Dimensions (in.) (h x w x d)
870315201	1,000	120	2.8	150	131	RAL 7035	15 x 9.85 x 9.85
870305201	1,000	230	1.4	150	131	RAL 7035	15 x 9.85 x 9.85
87031582	1,000	120	2.8	150	131	304 Stainless Steel	15 x 9.85 x 9.85
87030582	1,000	230	1.4	150	131	304 Stainless Steel	15 x 9.85 x 9.85
870615201	2,050	120	3.9	150	131	RAL 7035	15 x 9.85 x 9.85
870605201	2,050	230	1.9	150	131	RAL 7035	15 x 9.85 x 9.85
870815201	2,700	120	4.9	400	131	RAL 7035	23 x 12 x 12
870805201	2,700	230	2.4	400	131	RAL 7035	23 x 12 x 12
870825201	2,700	400-460 2~	3.3	400	131	RAL 7035	23 x 12 x 12
87081582	2,700	120	4.9	400	131	304 Stainless Steel	23 x 12 x 12
87080582	2,700	230	2.4	400	131	304 Stainless Steel	23 x 12 x 12
87082582	2,700	400-460 2~	3.3	400	131	304 Stainless Steel	23 x 12 x 12
871215201	4,100	120	7.1	400	131	RAL 7035	23 x 12 x 12
871205201	4,100	230	2	400	131	RAL 7035	23 x 12 x 12
871225201	4,100	400-460 2~	1.8	400	131	RAL 7035	23 x 12 x 12
871515201	5,100	120	7.5	1,000	131	RAL 7035	35 x 15.6 x 12
871505201	5,100	230	3.7	1,000	131	RAL 7035	35 x 15.6 x 12
871525201	5,100	400-460 2~	1.8	1,000	131	RAL 7035	35 x 15.6 x 12
87151582	5,100	120	7.5	1,000	131	304 Stainless Steel	35 x 15.6 x 12
87150582	5,100	230	3.7	1,000	131	304 Stainless Steel	35 x 15.6 x 12
87152582	5,100	400-460 2~	1.8	1,000	131	304 Stainless Steel	35 x 15.6 x 12
872015201	6,800	120	11	1,000	131	RAL 7035	35 x 15.6 x 12
872005201	6,800	230	5.7	1,000	131	RAL 7035	35 x 15.6 x 12
872025201	6,800	400-460 2~	2.8	1,000	131	RAL 7035	35 x 15.6 x 12
872515201	8,500	120	13	1,000	131	RAL 7035	35 x 15.6 x 12
872505201	8,500	230	6.6	1,000	131	RAL 7035	35 x 15.6 x 12
872525201	8,500	400-460 2~	3.3	1,000	131	RAL 7035	35 x 15.6 x 12
87251582	8,500	120	13	1,000	131	304 Stainless Steel	35 x 15.6 x 12
87250582	8,500	230	6.6	1,000	131	304 Stainless Steel	35 x 15.6 x 12
87252582	8,500	400-460 2~	3.3	1,000	131	304 Stainless Steel	35 x 15.6 x 12
874005201	13,600	230	12.4	2,000	131	RAL 7035	41 x 17.9 x 14.6
874025201	13,600	380-415 @ 50 Hz 3~ 400-460 @ 60Hz 3~	4	2,000	131	RAL 7035	41 x 17.9 x 14.6
876225201	21,170	380-415 @ 50 Hz 3~ 400-460 @ 60Hz 3~	6.2	2,000	131	RAL 7035	44.7 x 17.9 x 15.4

# SoliTherm Protec - Anti-Corrosion\*



Model	BTU/hr	Voltage & Phase (V at 50/60 Hz)	Running Amps	Heater (W)	Max. Ambient Temp. (°F)	Finish	Dimensions (in.) (h x w x d)
87061584	2,050	120	3.9	150	131	316 Stainless Steel	15 x 9.85 x 9.85
87060584	2,050	230	1.9	150	131	316 Stainless Steel	15 x 9.85 x 9.85
87121584	4,100	120	7.1	400	131	316 Stainless Steel	23 x 12 x 12
87120584	4,100	230	2	400	131	316 Stainless Steel	23 x 12 x 12
87122584	4,100	460 2~	1.8	400	131	316 Stainless Steel	23 x 12 x 12
87201584	6,800	120	11	1,000	131	316 Stainless Steel	35 x 15.6 x 12
87200584	6,800	230	5.7	1,000	131	316 Stainless Steel	35 x 15.6 x 12
87202584	6,800	460 2~	3.3	1,000	131	316 Stainless Steel	35 x 15.6 x 12
87400584	13,600	230	12.4	2,000	131	316 Stainless Steel	41 x 17.9 x 14.6
87402584	13,600	380-415 @ 50Hz 3~ 400-460 @ 60Hz 3~	4	2,000	131	316 Stainless Steel	41 x 17.9 x 14.6
87622584	21,170	380-415 @ 50Hz 3~ 400-460 @ 60Hz 3~	6.2	2,000	131	316 Stainless Steel	44.7 x 17.9 x 15.4

\*These models have corrosion protection package.

## A/C Accessories

Model	Description
AC-8703/06-BZ-1	Cold Air Outlet Duct for Model OC-8703/06
AC-8708/12-BZ-1	Cold Air Outlet Duct for Model OC-8708/12
AC-8715/20/25-BZ-1	Cold Air Outlet Duct for Model OC-8715/20/25
AC-8740/60-BZ-1	Cold Air Outlet Duct for Model OC-8740/60
AC-87622182-BF-1	Spare Part Kit for Aluminum Filter OC-8762 (387 x 270 x 10 mm)
AC-8715/20/25-T-1	Vibration Damping Mounting Kit for Model OC-8715/20/25
5019101818-KIT12	Spare Part Kit - Aluminum Filter Kit of 12 pieces for Models OC-8703/8706
5019102521-KIT12	Spare Part Kit - Aluminum Filter Kit of 12 pieces for Models OC-8708/8712
5019102924-KIT12	Spare Part Kit - Aluminum Filter Kit of 12 pieces for Models OC-8715/8720/87/25
5019103927-KIT12	Spare Part Kit - Aluminum Filter Kit of 12 pieces for Models OC-8740/8762
AC-85/87-BA-1	Ethernet Converter Kit & Power Supply



UL Listed:  
Encl. Acc. E498756



**2-YEAR WARRANTY**

# Air Conditioner Power Curves

## 1,000 BTU/hr

Cooling Capacity 95°F/95° = 1,000 BTU/hr

Dimensions: 15h x 9.85w x 9.85d

Cooling Capacity 131°F/131°F = 1,025 BTU/hr

Frequency: 50/60 Hz

Seifert Part Number	Voltage	Running Amps	Weight (lbs.)	Finish
870315201	120 V	2.8	32	Powder Coated Steel (RAL 7035)
870305201	230 V	1.4	32	Powder Coated Steel (RAL 7035)
87031582	120 V	2.8	32	304 Stainless Steel
87030582	230 V	1.4	32	304 Stainless Steel

## 2,050 BTU/hr

Cooling Capacity 95°F/95° = 2,050 BTU/hr

Dimensions: 15h x 9.85w x 9.85d

Cooling Capacity 131°F/131°F = 2,185 BTU/hr

Frequency: 50/60 Hz

Seifert Part Number	Voltage	Running Amps	Weight (lbs.)	Finish
870615201	120 V	3.9	35	Powder Coated Steel (RAL 7035)
870605201	230 V	1.9	35	Powder Coated Steel (RAL 7035)
87061584	120 V	3.9	35	AISI 316 Stainless Steel
87060584	230 V	1.9	35	AISI 316 Stainless Steel

## 2,700 BTU/hr

Cooling Capacity 95°F/95° = 2,700 BTU/hr

Dimensions: 23h x 12w x 12d

Cooling Capacity 131°F/131°F = 2,730 BTU/hr

Frequency 50/60 Hz

Seifert Part Number	Voltage	Running Amps	Weight (lbs.)	Finish
870815201	120 V	4.9	64	Powder Coated Steel (RAL 7035)
870805201	230 V	2.4	64	Powder Coated Steel (RAL 7035)
870825201	460 V	3.3	64	Powder Coated Steel (RAL 7035)
87081582	120 V	4.9	64	304 Stainless Steel
87080582	230 V	2.4	64	304 Stainless Steel
87082582	460 V	3.3	64	304 Stainless Steel

## 4,100 BTU/hr

Cooling Capacity 95°F/95° = 4,100 BTU/hr

Dimensions: 23h x 12w x 12d

Cooling Capacity 131°F/131°F = 3,870 BTU/hr

Frequency 50/60 Hz

Seifert Part Number	Voltage	Running Amps	Weight (lbs.)	Finish
871215201	120 V	7.1	76	Powder Coated Steel (RAL 7035)
871205201	230 V	2	68.5	Powder Coated Steel (RAL 7035)
871225201	400-460 V 2~	1.8	76	Powder Coated Steel (RAL 7035)
87121584	120 V	7.1	76	AISI 316 Stainless Steel
87120584	230 V	2	68.5	AISI 316 Stainless Steel
87122584	400-460 V 2~	1.8	76	AISI 316 Stainless Steel

## 5,100 BTU/hr

Cooling Capacity 95°F/95° = 5,100 BTU/hr

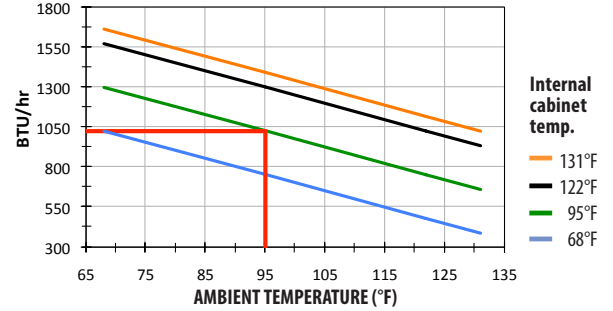
Dimensions: 35h x 15.6w x 12d

Cooling Capacity 131°F/131°F = 3,750 BTU/hr

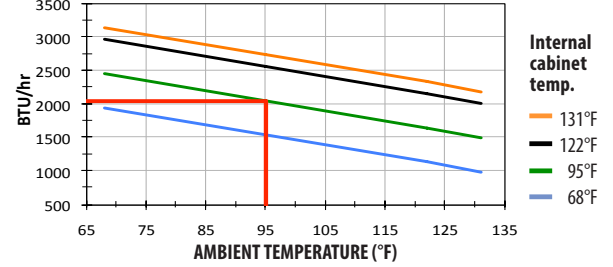
Frequency: 50/60Hz

Seifert Part Number	Voltage	Running Amps	Weight (lbs.)	Finish
871515201	120 V	7.5	89	Powder Coated Steel (RAL 7035)
871505201	230 V	3.7	89	Powder Coated Steel (RAL 7035)
871525201	400-460 V 2~	1.8	89	Powder Coated Steel (RAL 7035)
87151582	120 V	7.5	89	304 Stainless Steel
87150582	230 V	3.7	89	304 Stainless Steel
87152582	400-460 V 2~	1.8	89	304 Stainless Steel

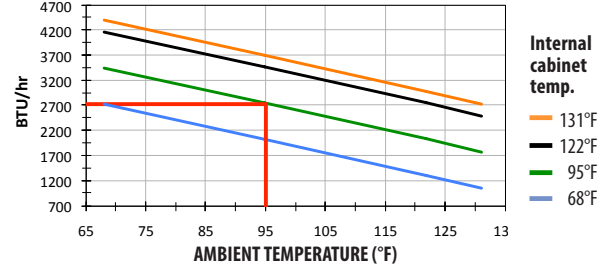
OC-8703



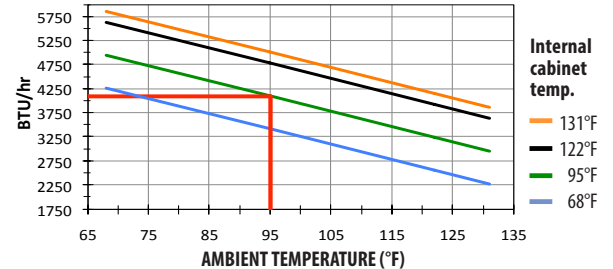
OC-8706



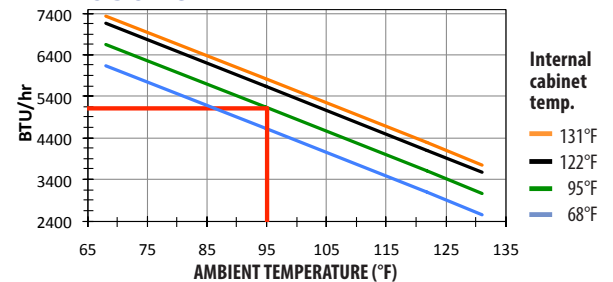
OC-8708



OC-8712



OC-8715



# Air Conditioner Power Curves



## 6,800 BTU/hr

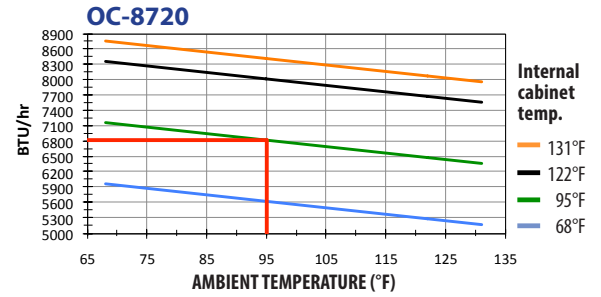
Cooling Capacity 95°F/95° = 6,800 BTU/hr

Cooling Capacity 131°F/131°F = 7,960 BTU/hr

Dimensions: 35h x 15.6w x 12d

Frequency 50/60Hz

Seifert Part Number	Voltage	Running Amps	Weight (lbs.)	Finish
872015201	120 V	11	115	Powder Coated Steel (RAL 7035)
872005201	230 V	5.7	100	Powder Coated Steel (RAL 7035)
872025201	400-460 V 2~	2.8	115	Powder Coated Steel (RAL 7035)
87201584	120 V	11	115	AISI 316 Stainless Steel
87200584	230 V	5.7	100	AISI 316 Stainless Steel
87202584	400-460 V 2~	2.8	115	AISI 316 Stainless Steel



## 8,500 BTU/hr

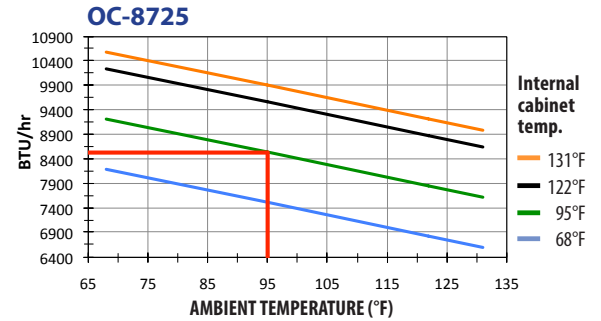
Cooling Capacity 95°F/95° = 8,500 BTU/hr

Cooling Capacity 131°F/131°F = 8,990 BTU/hr

Dimensions: 35h x 15.6w x 12d

Frequency 50/60Hz

Seifert Part Number	Voltage	Running Amps	Weight (lbs.)	Finish
872515201	120 V	13	104	Powder Coated Steel (RAL 7035)
872505201	230 V	6.6	104	Powder Coated Steel (RAL 7035)
872525201	400-460 V 2~	3.3	104	Powder Coated Steel (RAL 7035)
87251582	120 V	13	104	AISI 316 Stainless Steel
87250582	230 V	6.6	104	AISI 316 Stainless Steel
87252582	400-460 V 2~	3.3	104	AISI 316 Stainless Steel



## 13,600 BTU/hr

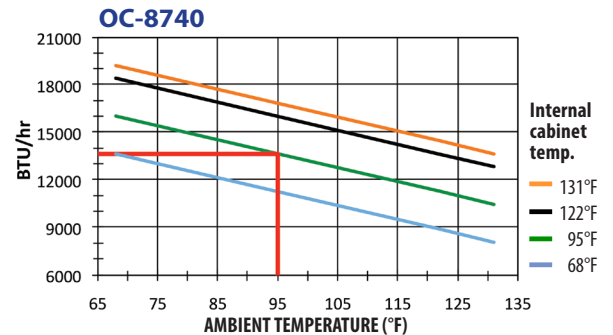
Cooling Capacity 95°F/95° = 13,600 BTU/hr

Cooling Capacity 131°F/131°F = 15,000 BTU/hr

Dimensions: 41h x 17.9w x 14.6d

Frequency 50/60Hz

Seifert Part Number	Voltage	Running Amps	Weight (lbs.)	Finish
874005201	230 V	12.4	144	Powder Coated Steel (RAL 7035)
874025201	380-415 V @ 50Hz 3~ 400-460 V @ 60Hz 3~	4	144	Powder Coated Steel (RAL 7035)
87400584	230 V	12.4	144	AISI 316 Stainless Steel
87402584	380-415 V @ 50Hz 3~ 400-460 V @ 60Hz 3~	4	144	AISI 316 Stainless Steel



## 21,170 BTU/hr

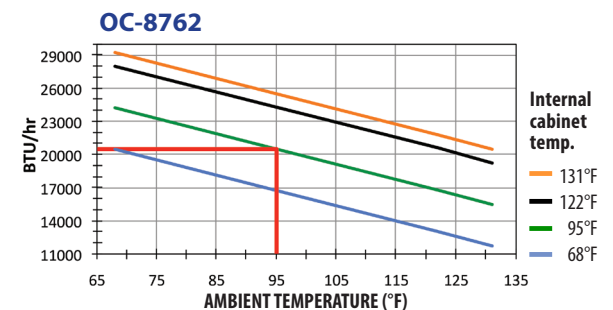
Cooling Capacity 95°F/95° = 21,170 BTU/hr

Cooling Capacity 131°F/131°F = 21,170 BTU/hr

Dimensions: 44.7h x 17.9w x 15.4d

Frequency 50/60Hz

Seifert Part Number	Voltage	Running Amps	Weight (lbs.)	Finish
876225201	380-415 V @ 50Hz 3~ 400-460 V @ 60Hz 3~	6.2	187	Powder Coated Steel (RAL 7035)
87622584	380-415 V @ 50Hz 3~ 400-460 V @ 60Hz 3~	6.2	187	AISI 316 Stainless Steel





t h e r m a l   i n n o v a t i o n s

Qualified service technicians and support personnel  
located in our North Kingstown facility.

Contact us today to speak to a knowledgeable and  
friendly Seifert cooling specialist!

Specifications subject to change.

**Seifert Systems Inc.**

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