

GENESIS COMPACT INDOOR



M13
1000 BTU/Hr.
293 Watt



M17
1800 BTU/Hr.
527 Watt



M28
2200 BTU/Hr.
645 Watt

INDUSTRY STANDARDS

UL/cUL Listed; Type 12; File No. SA6453
UR/cUR Recognized

Maintains U/cUL Type 12 rating when properly installed on a UL/cUL Type 12 enclosure.

UR/cUR Recognized on select models, reference performance data tables.

CE
EAC

APPLICATION

- Industrial automation
- Package handling equipment
- Security and defense systems
- And more

FEATURES

- Robust reciprocating compressor
- R134a or R407c earth-friendly refrigerant
- Models for 115, 230 and 460 single phase VAC power input
- UL Listed or Recognized to save customers time and money with agency approvals
- Operating temperature range from 50 F/10 C to 125 F/52 C
- Attractive industrial design with minimal use of visible fasteners
- Reliable mechanical thermostat located behind the filter of the unit; indoor air conditioner models include digital display on ambient side
- Low-carbon mild-steel sheet-metal cover for rugged factory environments
- Easy-mount flanges for simple installation

- Cleanable, reusable aluminum mesh filter protects coils for maximum cooling performance
- Mounting hardware, gaskets and user manual furnished with the unit
- Every unit functionally tested before shipping
- Standard Indoor Air Conditioner models also include:
 - Electro-Mechanical Thermostat
 - Surge Suppressor
 - Condensate Management System

FINISH

- RAL 7042 gray, semi-gloss powder-coat paint standard
- Other colors and textures available

OPTIONS

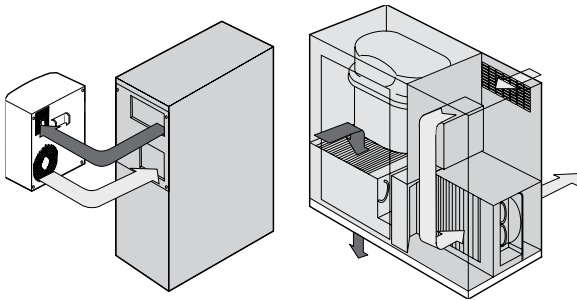
- Thermostat Malfunction Package
- Special Voltage Package
- Active Condensate Evaporator Package
- Outdoor Package*
- Harsh Environment Package*
- Stainless Steel Package*
- Heater Package*
 - * T-Series or PROAIR may be more appropriate. Refer to T-Series A/C and PROAIR A/C Chapters. Consult the Factory for availability and catalog number.

NOTES

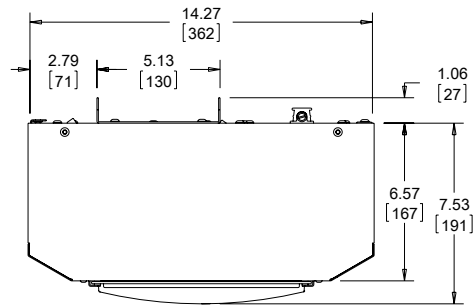
Visit www.PentairProtect.com to download 2D and 3D CAD drawings into the overall design of your electrical system.

Performance Data M13 Models 1000 BTU/Hr. (293 Watt)

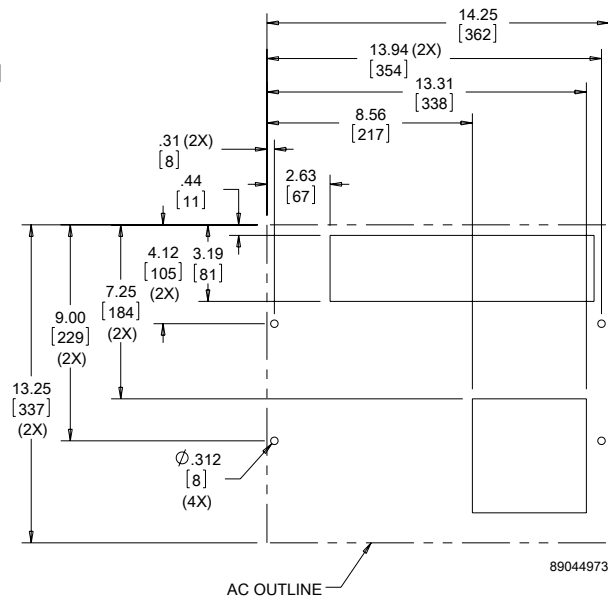
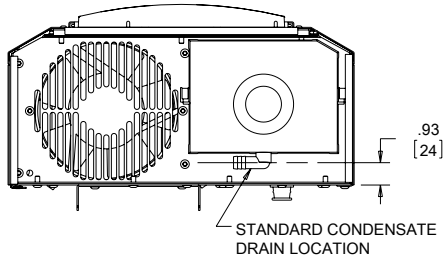
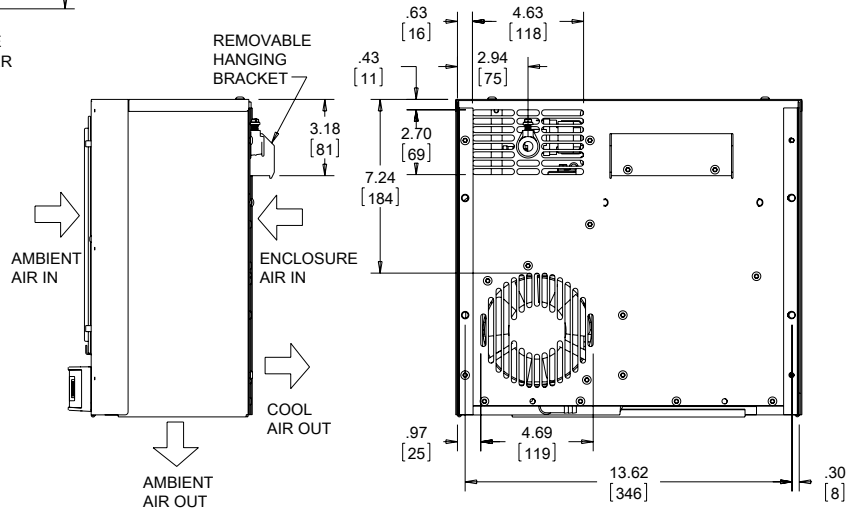
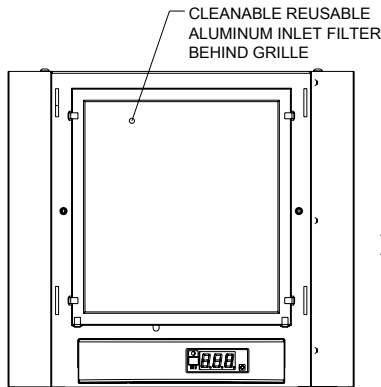
CATALOG NUMBER	M130116G1014	M130126G1008	M130146G1400
COOLING PERFORMANCE			
Nominal:			
BTU/Hr.	800/1000	800/1000	800/1000
Watts	234/293	234/293	234/293
Refrigerant	R-134A	R-134A	R-134A
Refrigerant Charge (ounces/grams)	5.5/156	4.8/136	4.8/136
Operating Temperature Range:			
Maximum [°F/°C]	125/52	125/52	125/52
Minimum [°F/°C]	50/10	50/10	50/10
Airflow at 0 Static Pressure:			
Internal loop 50 Hz (CFM / m³/hr.)	71/121	75/127	75/127
External loop 50 Hz (CFM / m³/hr.)	75/127	71/121	71/121
Internal loop 60 Hz (CFM / m³/hr.)	74/126	78/132	78/132
External loop 60 Hz (CFM / m³/hr.)	78/132	74/126	74/126
ELECTRICAL DATA			
Rated Voltage	100/115	220/230	460V 1PH
Frequency (Hz)	50/60	50/60	50/60
Operating Range	+/- 10%	+/- 10%	+/- 10%
Max. Power Consumption (W at 50/60 Hz)	449	598	683
Max. Nominal Current (A at 50/60 Hz)	3.7/3.9	2.6/2.6	1.5
Starting Current (A)	18.5	13.2	7.5
Agency Approvals	UL/cUL Listed CE EAC Others available upon request		cUR Recognized CE EAC
Power Input Description	6-ft. cord with NEMA 5-15 plug	6-ft. cord with NEMA 6-15 plug	6-ft. cord with wire leads
ENCLOSURE PROTECTION			
UL Type	Type 12 standard		
CONTROLLER			
Description	Basic mechanical thermostat		
Thermostat Location	Behind filter		
Factory Thermostat Setting [°F/°C]	80/27		
SOUND LEVEL			
At 1.5 Meters	56 dB(A)		
UNIT CONSTRUCTION			
Material	Mild steel sheet metal standard Stainless steel optional		
Finish	RAL 7042 gray, semi-gloss powder-coat paint standard		
UNIT DIMENSIONS			
Height (in./mm)	13.25/337	13.25/337	17.75/450.9
Width (in./mm)	14.25/362	14.25/362	14.25/362
Depth (in./mm)	7.8/198	7.8/198	7.8/198
Weight (lb./kg)	46/21	46/21	58/26



M13 Models 1000 BTU/Hr. (293 Watt)



- NOTE:
 1. MOUNTING GASKET SUPPLIED (NOW SHOWN)
 2. UNITS: in. [mm]
 3. CUTOUT DIMENSIONS FOR STANDARD UNITS ONLY.

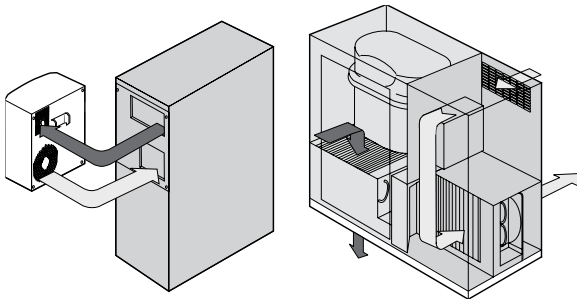


Cutout Dimensions

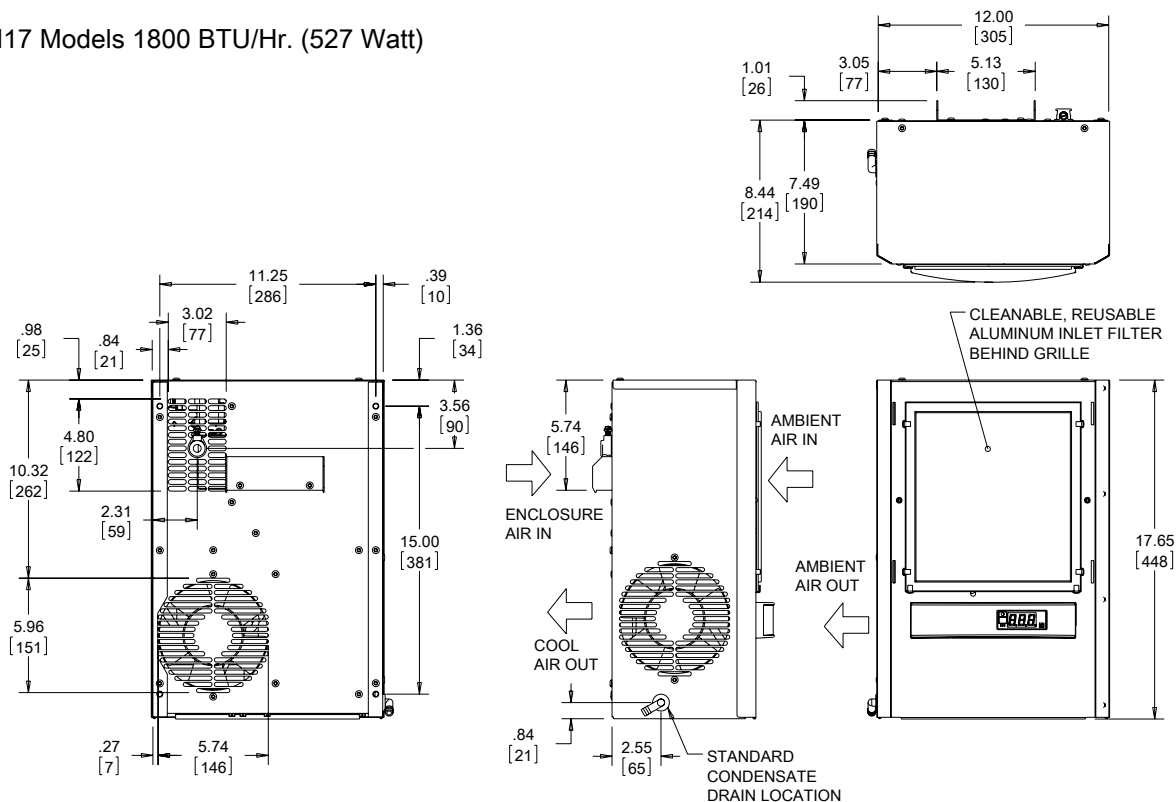
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Performance Data M17 Models 1800 BTU/Hr. (527 Watt)

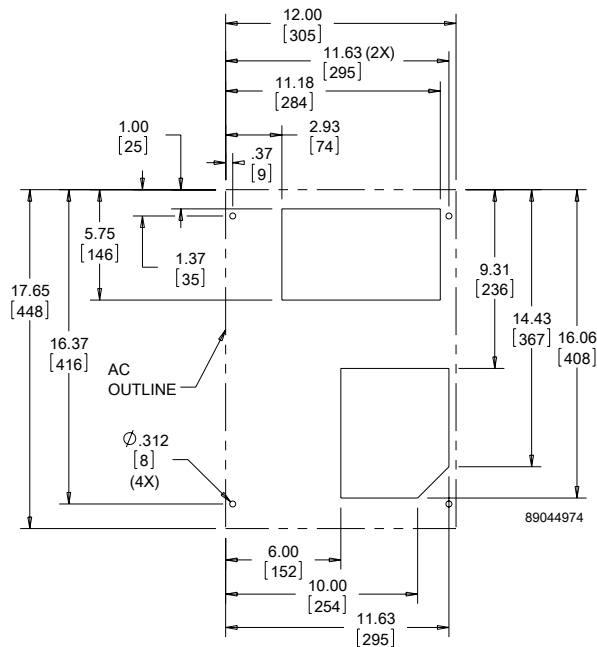
CATALOG NUMBER	M170216G009	M170226G004	M170246G400
COOLING PERFORMANCE			
Nominal:			
BTU/Hr.	1500/1800	1500/1800	1500/1800
Watts	440/527	440/527	440/527
Refrigerant	R-134A	R-134A	R-134A
Refrigerant Charge (ounces/grams)	5.8/165	5.2/148	5.2/148
Operating Temperature Range:			
Maximum (°F/°C)	125/52	125/52	125/52
Minimum (°F/°C)	50/10	50/10	50/10
Airflow at 0 Static Pressure:			
Internal loop 50 Hz (CFM / m³/hr.)	67/114	125/212	125/212
External loop 50 Hz (CFM / m³/hr.)	112/190	144/245	144/245
Internal loop 60 Hz (CFM / m³/hr.)	79/134	125/212	125/212
External loop 60 Hz (CFM / m³/hr.)	130/221	161/274	161/274
ELECTRICAL DATA			
Rated Voltage	100/115	220/230	460V 1PH
Frequency (Hz)	50/60	50/60	50/60
Operating Range	+/- 10%	+/- 10%	+/- 10%
Max. Power Consumption (W at 50/60 Hz)	720/793.5	682/713	780/815
Max. Nominal Current (A at 50/60 Hz)	7.2/6.9	3.1/3.1	1.7/1.8
Starting Current (A)	27.5	13	7.4
Agency Approvals	UL/cUL Listed CE EAC Others available upon request		cUR Recognized CE EAC
Power Input Description	6-ft. cord with NEMA 5-15 plug	6-ft. cord with NEMA 6-15 plug	6-ft. cord with wire leads
ENCLOSURE PROTECTION			
UL Type	Type 12 standard		
CONTROLLER			
Description	Basic mechanical thermostat		
Thermostat Location	Behind filter		
Factory Thermostat Setting (°F/°C)	80/27		
SOUND LEVEL			
At 1.5 Meters	60 dB(A)		
UNIT CONSTRUCTION			
Material	Mild steel sheet metal standard Stainless steel optional		
Finish	RAL 7042 gray, semi-gloss powder-coat paint standard		
UNIT DIMENSIONS			
Height (in./mm)	17.65/448	17.65/448	22.15/562.6
Width (in./mm)	12/305	12/305	12/305
Depth (in./mm)	8.68/220	8.68/220	8.68/220
Weight (lb./kg)	56/25	56/25	66/30



M17 Models 1800 BTU/Hr. (527 Watt)



- NOTE:
1. MOUNTING TEMPLATE SUPPLIED (NOT SHOWN)
 2. UNITS: in. [mm]
 3. CUTOUT DIMENSIONS FOR STANDARD UNITS ONLY



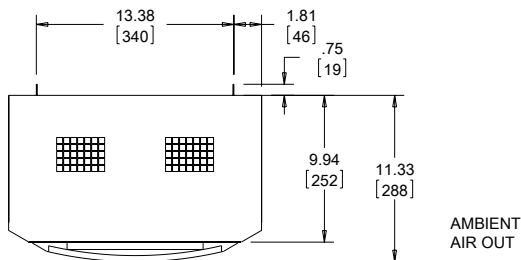
Cutout Dimensions

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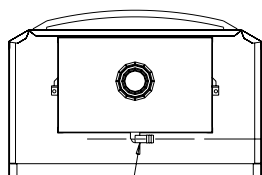
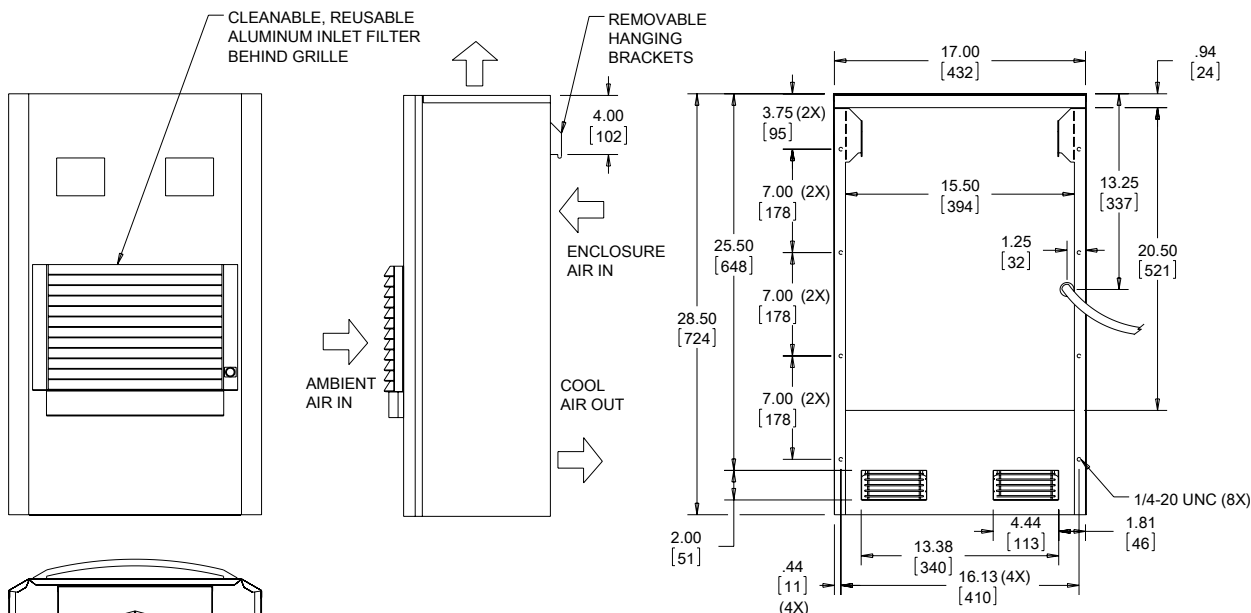
Performance Data M28 Models 2200 BTU/Hr. (645 Watt)

CATALOG NUMBER	M280216G013	M280226G004	M280246G400
COOLING PERFORMANCE			
Nominal:			
BTU/Hr.	2200/2200	2200/2200	2200/2200
Watts	645/645	645/645	645/645
Refrigerant	R-134A	R-134A	R-134A
Refrigerant Charge (ounces/grams)	11.5/325	12/340	12/340
Operating Temperature Range:			
Maximum (°F/°C)	125/52	125/52	125/52
Minimum (°F/°C)	50/10	50/10	50/10
Airflow at 0 Static Pressure:			
Internal loop 50 Hz (CFM / m³/hr.)	146/248	175/297	175/297
External loop 50 Hz (CFM / m³/hr.)	230/391	225/382	225/382
Internal loop 60 Hz (CFM / m³/hr.)	170/289	210/357	210/357
External loop 60 Hz (CFM / m³/hr.)	260/442	255/433	255/433
ELECTRICAL DATA			
Rated Voltage	100/115	220/230	460V 1PH
Frequency (Hz)	50/60	50/60	50/60
Operating Range	+/- 10%	+/- 10%	+/- 10%
Max. Power Consumption (W at 50/60 Hz)	830/966	924/966	1056/1104
Max. Nominal Current (A at 50/60 Hz)	8.3/8.4	4.2/4.2	2.3/2.4
Starting Current (A)	27.5	13	7.4
Agency Approvals	UL/cUL Listed CE EAC Others available upon request		cUR Recognized CE EAC
Power Input Description	6-ft. cord with NEMA 5-20 plug	6-ft. cord with NEMA 6-15 plug	6-ft. cord with wire leads
ENCLOSURE PROTECTION			
UL Type	Type 12 standard		
CONTROLLER			
Description	Basic mechanical thermostat		
Thermostat Location	Behind filter		
Factory Thermostat Setting (°F/°C)	80/27		
SOUND LEVEL			
At 1.5 Meters	55 dB(A)		
UNIT CONSTRUCTION			
Material	Mild steel sheet metal standard Stainless steel optional		
Finish	RAL 7042 gray, semi-gloss powder-coat paint standard		
UNIT DIMENSIONS			
Height (in./mm)	28.5/724	28.5/724	28.5/724
Width (in./mm)	17/432	17/432	17/432
Depth (in./mm)	11.3/288	11.3/288	11.3/288
Weight (lb./kg)	97/44	97/44	108/49

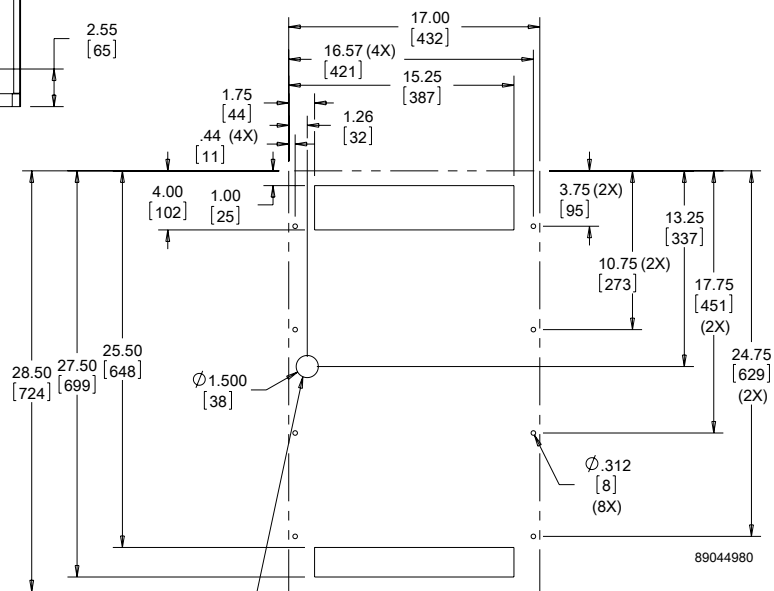
M28 Models 2200 BTU/Hr. (6645 Watt)



- NOTE:
 1. MOUNTING GASKET SUPPLIED (NOT SHOWN)
 2. UNITS: in. [mm]
 3. CUTOUT DIMENSIONS FOR STANDARD UNITS ONLY



STANDARD
CONDENSATE
DRAIN
LOCATION



THIS HOLE MAY BE DELETED IF THE SERVICE CORD
IS ROUTED THROUGH THE 3.00 X 13.50 OPENING
[76] [343]
(EXCEPT UNITS WITH ELECTRIC HEAT)

Cutout Dimensions

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Notes