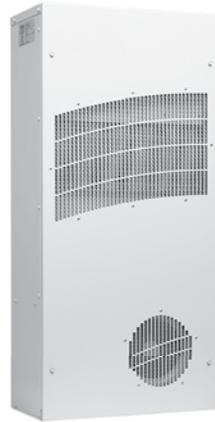
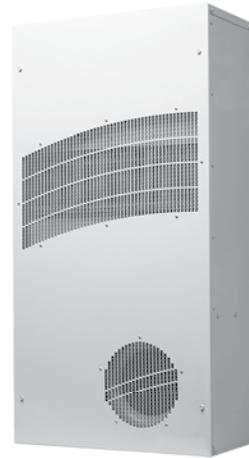


CLIMAGUARD AIR-TO-AIR OUTDOOR


TX23
Models
14 W/°F (25 W/°C)



TX33
Models
28 W/°F (50 W/°C)



TX38
Models
56 W/°F (100 W/°C)



TX52
Models
83 W/°F (150 W/°C)

INDUSTRY STANDARDS

UL/cUL Listed; Type 12, 4; 4X optional; File No. SA7402
UR/cUR Recognized

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

CE
EAC
Telcordia GR-487 capable

APPLICATION

- Telecom shelters
- Outdoor cabinets
- Equipment buildings
- Instrument enclosures
- And more

FEATURES

- Unique counterflow aluminum core for high efficiency and high performance heat transfer
- Models for 24 VDC, 48 VDC, 115 VAC and 230 VAC power supplies
- UL Listed or Recognized to save customers time and money with agency approvals
- Variable speed blowers standard on DC powered units for quiet running
- Surface or recessed mount capable

- Low-carbon mild-steel sheet-metal cover for rugged factory environments
- Easy-mount flanges for simple installation
- Mounting hardware, gaskets and user manual furnished with the unit
- Every unit functionally tested before shipping
- Filterless design for low maintenance and easy cleaning
- Engineered for temperature extremes, corrosive environments and wind driven rain

FINISH

- RAL 7035 light-gray, semi-textured powder-coat paint standard
- Stainless steel Type 304 or 316 finishes available on Type 4X models
- Other colors and textures available

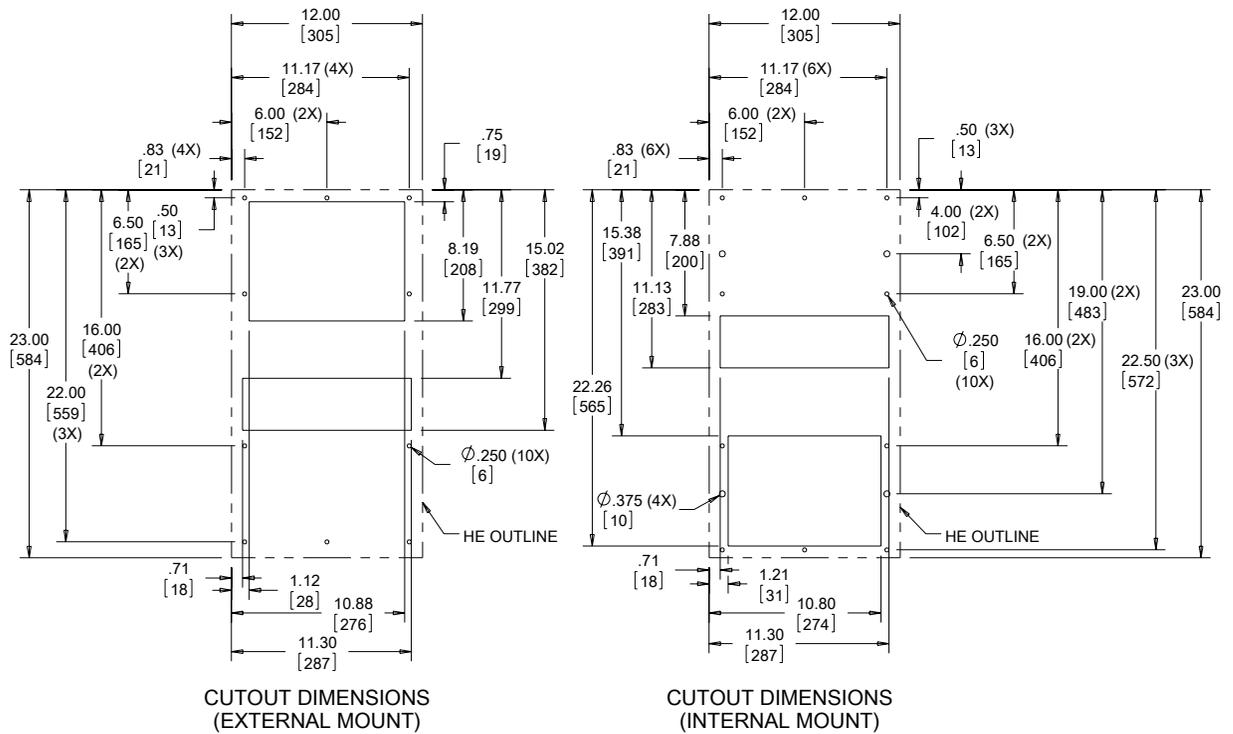
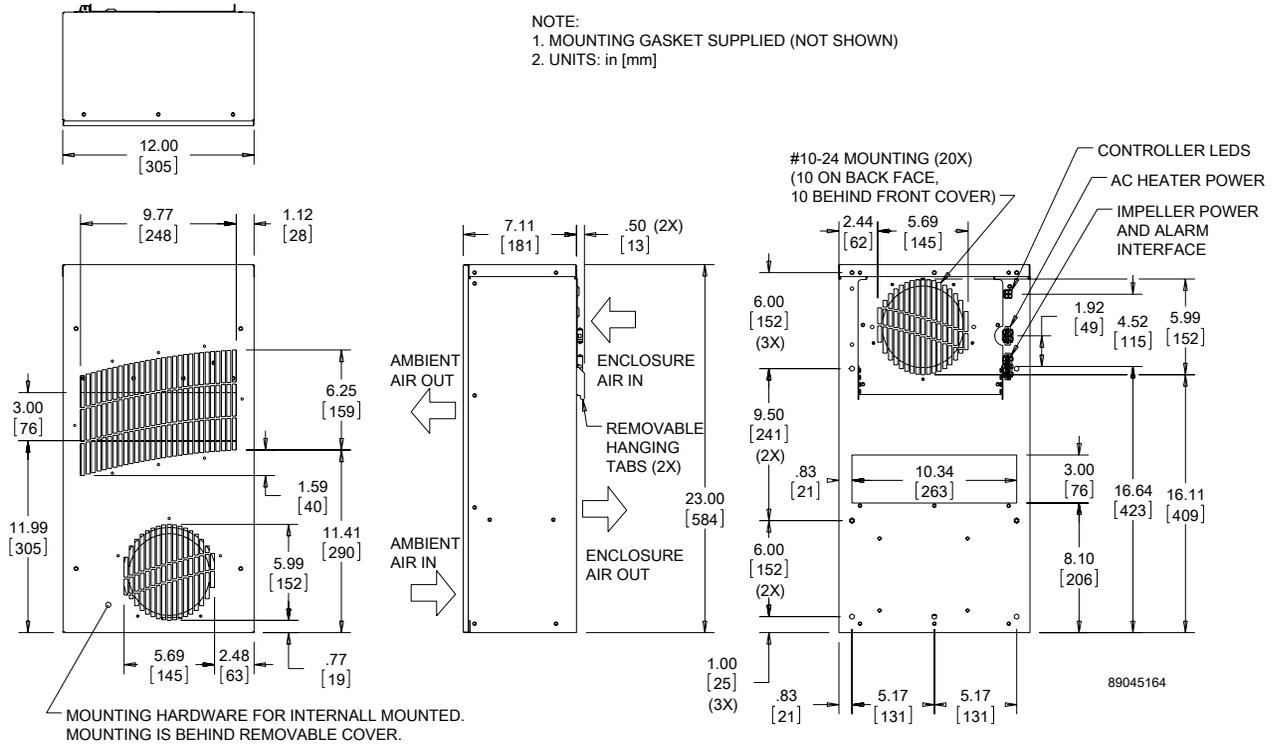
OPTIONS

- Thermostat Package
- Special Voltage Package
- Outdoor Package
- Harsh Environment Package*
- Stainless Steel Package*
- Heater Package*
* Consult the factory for availability and catalog number.

Performance Data **TX23 Models 14 W/°F (25 W/°C)**

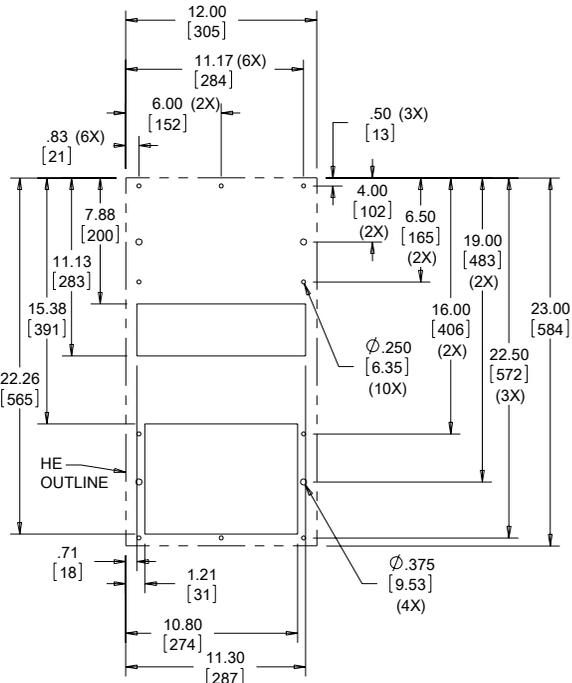
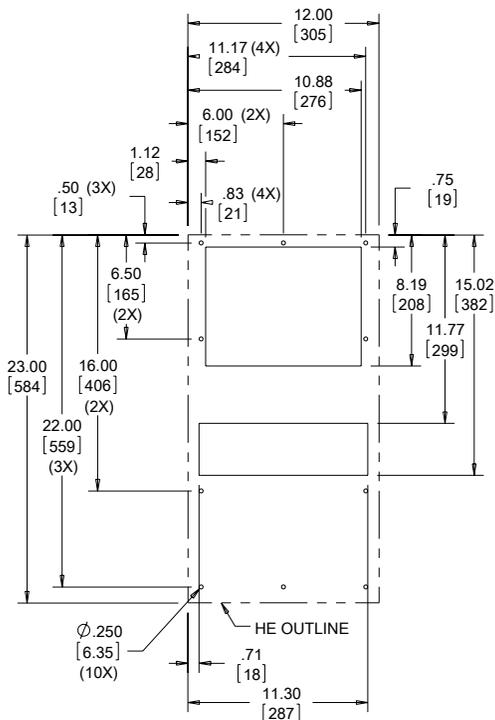
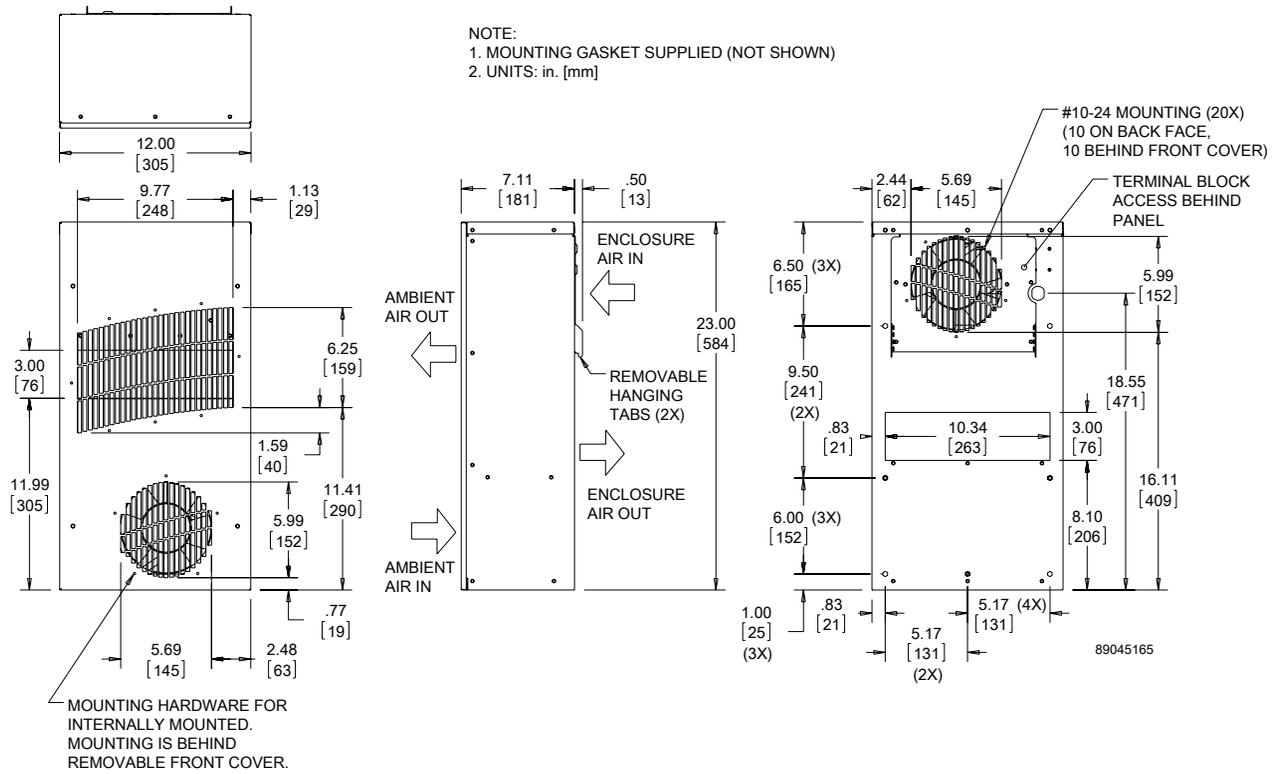
| CATALOG NUMBER | TX231416100 | TX231426100 | TX231448100 |
|---|----------------|--|----------------|
| COOLING PERFORMANCE | | | |
| Nominal: | | | |
| W per °F | 14 | 14 | 14 |
| W per °C | 25 | 25 | 25 |
| Refrigerant | N/A | N/A | N/A |
| Refrigerant Charge (ounces/grams) | N/A | N/A | N/A |
| Operating Temperature Range | | | |
| Maximum (°F/°C) | 149/65 | 149/65 | 149/65 |
| Minimum (°F/°C) | -40/-40 | -40/-40 | -4/-20 |
| Airflow at 0 Static Pressure: | | | |
| Internal loop 50 Hz (CFM / m ³ /hr.) | 69/117 | 69/117 | N/A |
| External loop 50 Hz (CFM / m ³ /hr.) | 58/98 | 58/98 | N/A |
| Internal loop 60 Hz (CFM / m ³ /hr.) | 84/142 | 84/142 | 175/268 |
| External loop 60 Hz (CFM / m ³ /hr.) | 69/117 | 69/117 | 158/297 |
| ELECTRICAL DATA | | | |
| Rated Voltage | 115 VAC | 230 VAC | 48 VDC |
| Frequency (Hz) | 50/60 | 50/60 | 50/60 |
| Operating Range | +/- 10% | +/- 10% | +/- 10% |
| Max. Power Consumption (W at 50/60 Hz) | 69 | 23 | 87 |
| Max. Nominal Current (A at 50/60 Hz) | 0.6 | 0.1 | 1.8 |
| Agency Approvals | | UL/cUL Listed CE EAC | |
| Power Input Description | Terminal block | Terminal block | Terminal block |
| ENCLOSURE PROTECTION | | | |
| UL Type | | Type 12, 3R, 4 standard Type 4X optional | |
| SOUND LEVEL | | | |
| At 1.5 Meters | | 56 dBA | |
| UNIT CONSTRUCTION | | | |
| Material | | Mild steel sheet metal standard Stainless steel optional | |
| Finish | | RAL 7035 light-gray, semi-textured powder-coat paint standard | |
| UNIT DIMENSIONS | | | |
| Height (in./mm) | 23/584.2 | 23/584.2 | 23/584.2 |
| Width (in./mm) | 12/304.8 | 12/304.8 | 12/304.8 |
| Depth (in./mm) | 7.1/180.3 | 7.1/180.3 | 7.1/180.3 |
| Weight (lb./kg) | 30/13.6 | 30/13.6 | 30/13.6 |

TX23 DC Models 14 W/°F (25 W/°C)



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TX23 AC Models 14 W/°F (25 W/°C)

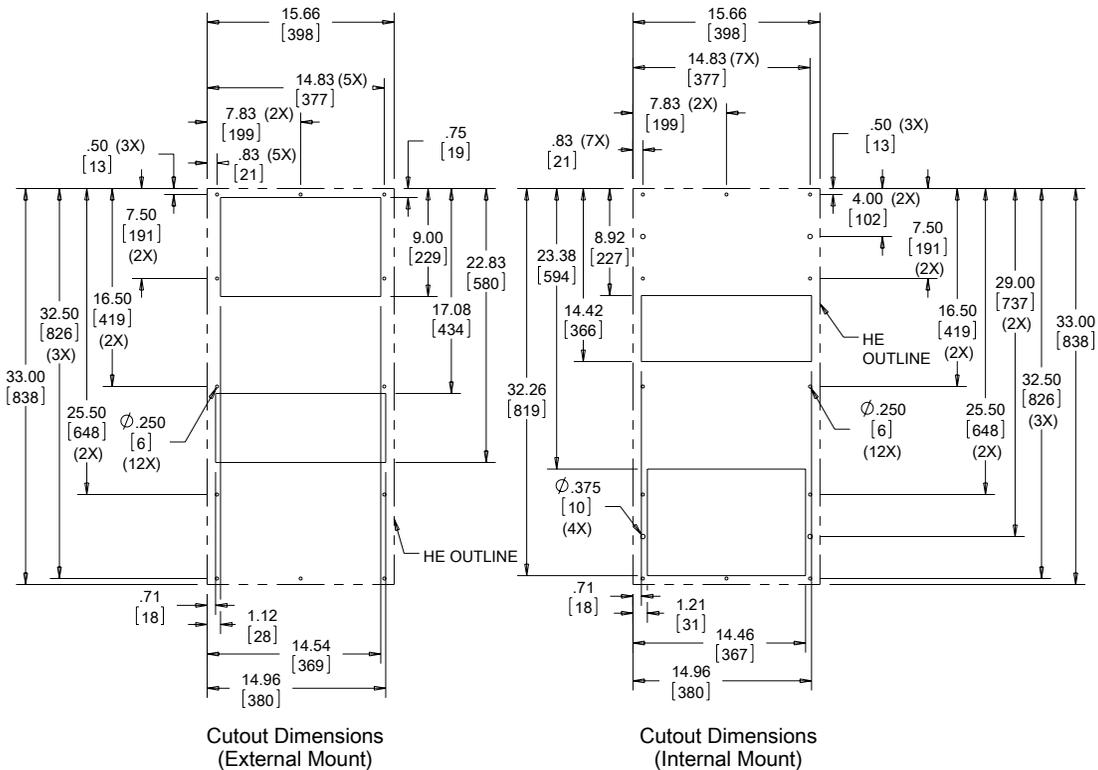
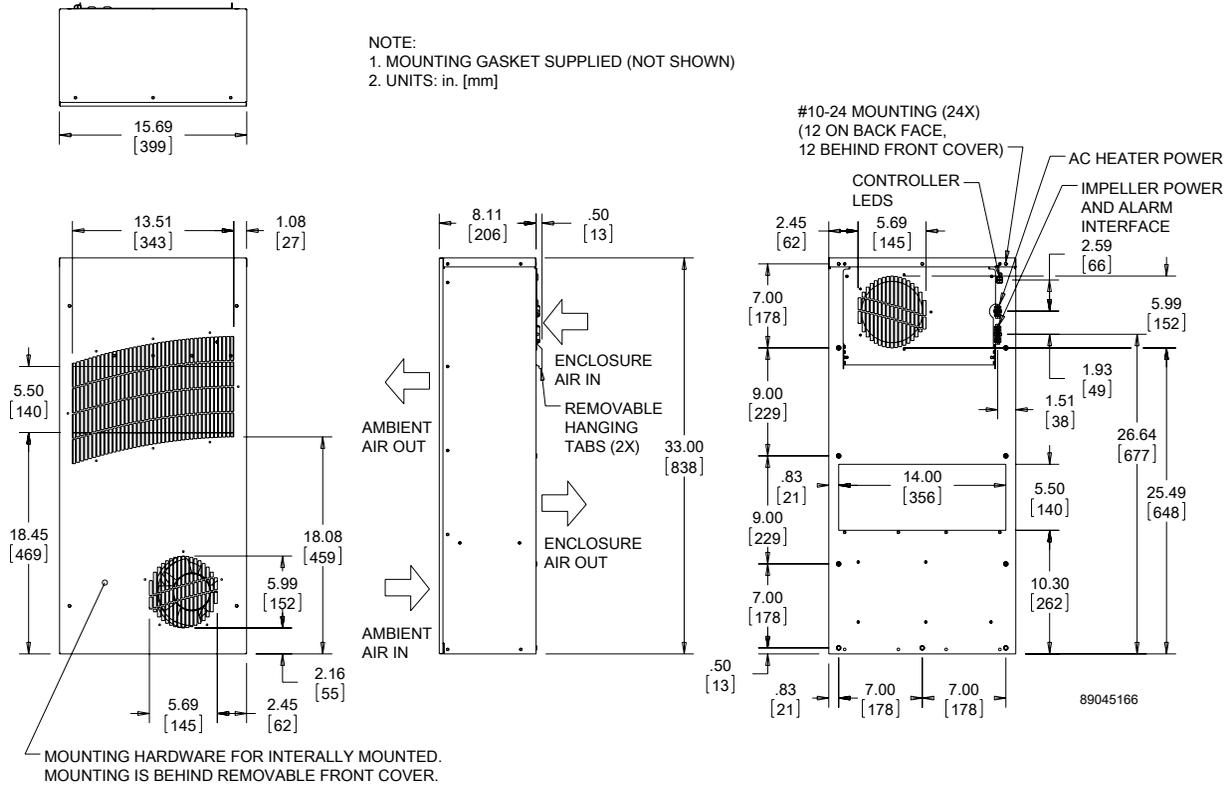


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Performance Data TX33 Models 28 W/°F (50 W/°C)

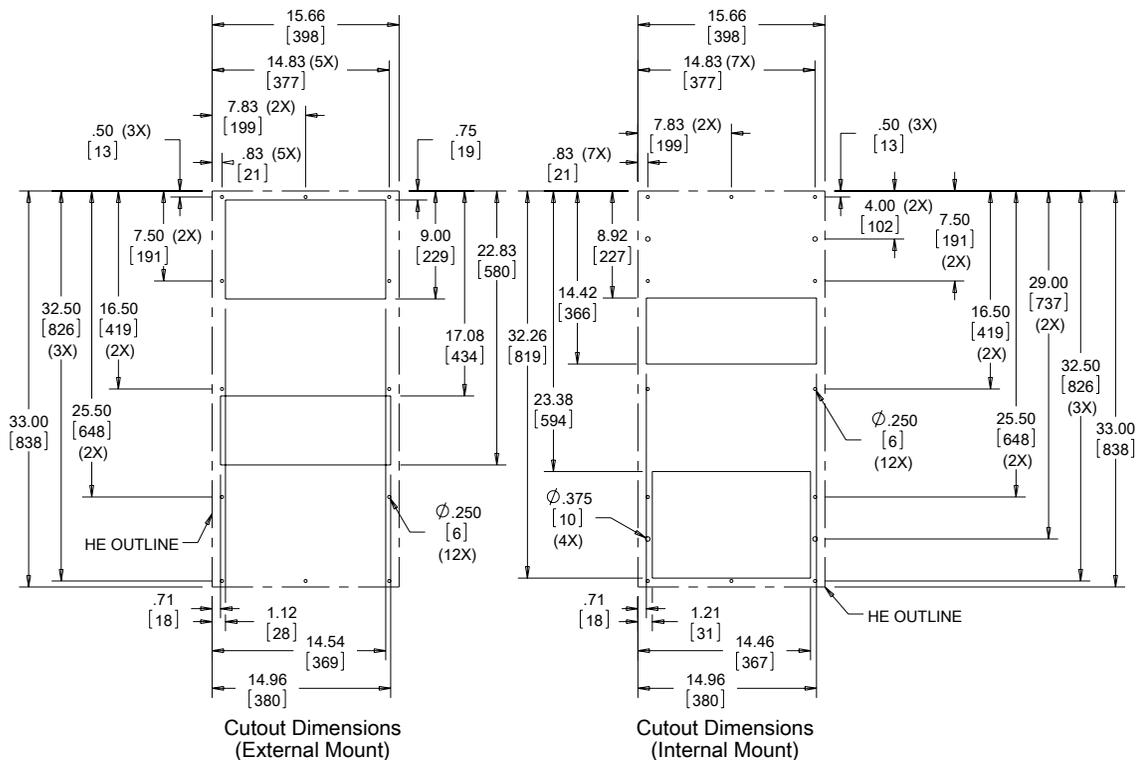
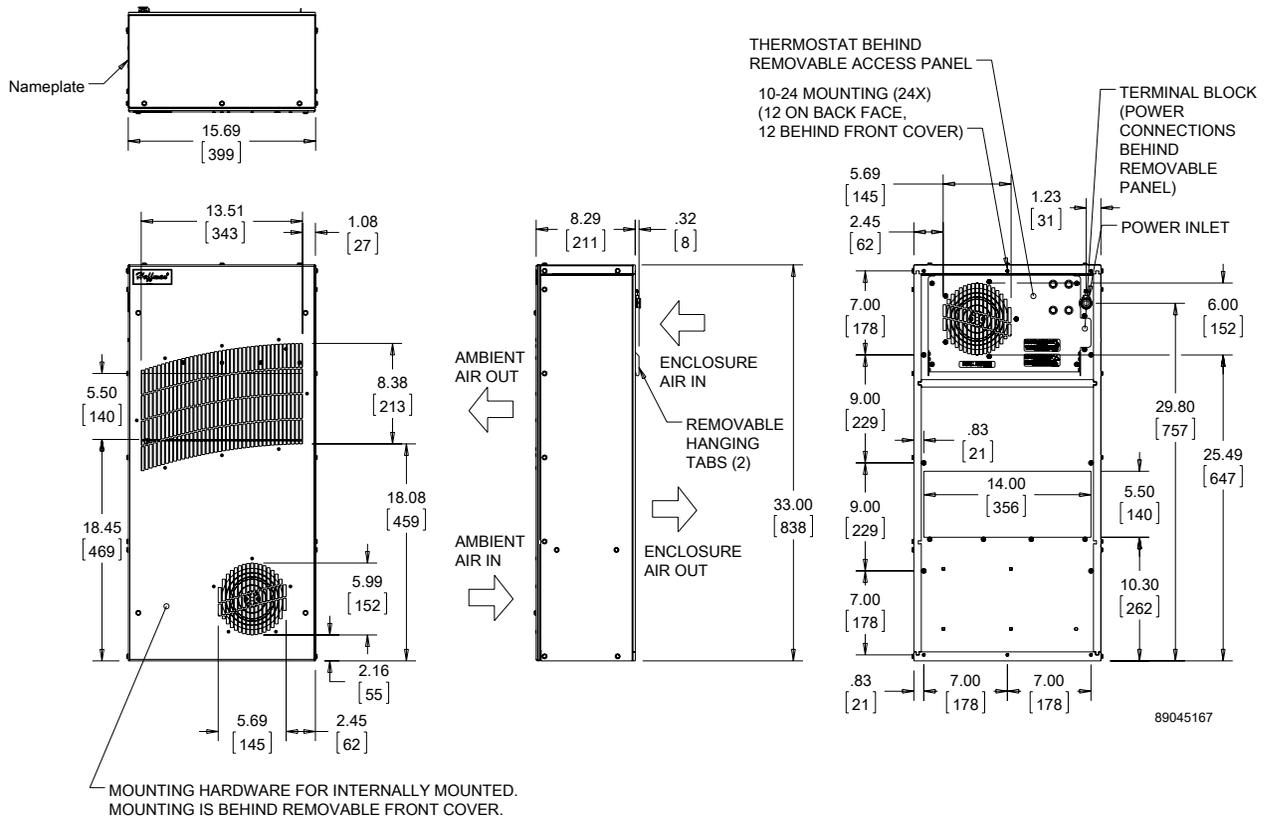
| CATALOG NUMBER | TX332816100 | TX332826100 | TX332848100 |
|---|----------------|--|----------------|
| COOLING PERFORMANCE | | | |
| Nominal: | | | |
| W per °F | 28 | 28 | 28 |
| W per °C | 50 | 50 | 50 |
| Refrigerant | N/A | N/A | N/A |
| Refrigerant Charge (ounces/grams) | N/A | N/A | N/A |
| Operating Temperature Range: | | | |
| Maximum (°F/°C) | 149/65 | 149/65 | 149/65 |
| Minimum (°F/°C) | -40/-40 | -40/-40 | -4/-20 |
| Airflow at 0 Static Pressure: | | | |
| Internal loop 50 Hz (CFM / m ³ /hr.) | 212/360 | 212/360 | N/A |
| External loop 50 Hz (CFM / m ³ /hr.) | 238/404 | 238/404 | N/A |
| Internal loop 60 Hz (CFM / m ³ /hr.) | 228/387 | 228/387 | 228/387 |
| External loop 60 Hz (CFM / m ³ /hr.) | 263/447 | 263/447 | 166/282 |
| ELECTRICAL DATA | | | |
| Rated Voltage | 115 VAC | 230 VAC | 48 VDC |
| Frequency (Hz) | 50/60 | 50/60 | 50/60 |
| Operating Range | +/- 10% | +/- 10% | +/- 10% |
| Max. Power Consumption (W at 50/60 Hz) | 161 | 92 | 87 |
| Max. Nominal Current (A at 50/60 Hz) | 1.4 | 0.4 | 1.8 |
| Agency Approvals | | UL/cUL Listed CE EAC | |
| Power Input Description | Terminal block | Terminal block | Terminal block |
| ENCLOSURE PROTECTION | | | |
| UL Type | | Type 12, 3R, 4 standard Type 4X optional | |
| SOUND LEVEL | | | |
| At 1.5 Meters | | 56 dBA | |
| UNIT CONSTRUCTION | | | |
| Material | | Mild steel sheet metal standard Stainless steel optional | |
| Finish | | RAL 7035 light-gray, semi-textured powder-coat paint standard | |
| UNIT DIMENSIONS | | | |
| Height (in./mm) | 33/838.2 | 33/838.2 | 33/838.2 |
| Width (in./mm) | 15.7/398.8 | 15.7/398.8 | 15.7/398.8 |
| Depth (in./mm) | 8.1/205.7 | 8.1/205.7 | 8.1/205.7 |
| Weight (lb./kg) | 45/20.4 | 45/20.4 | 45/20.4 |

TX 33 DC Models 28 W/°F (50 W/°C)



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TX33 AC Models 28 W/°F (50 W/°C)

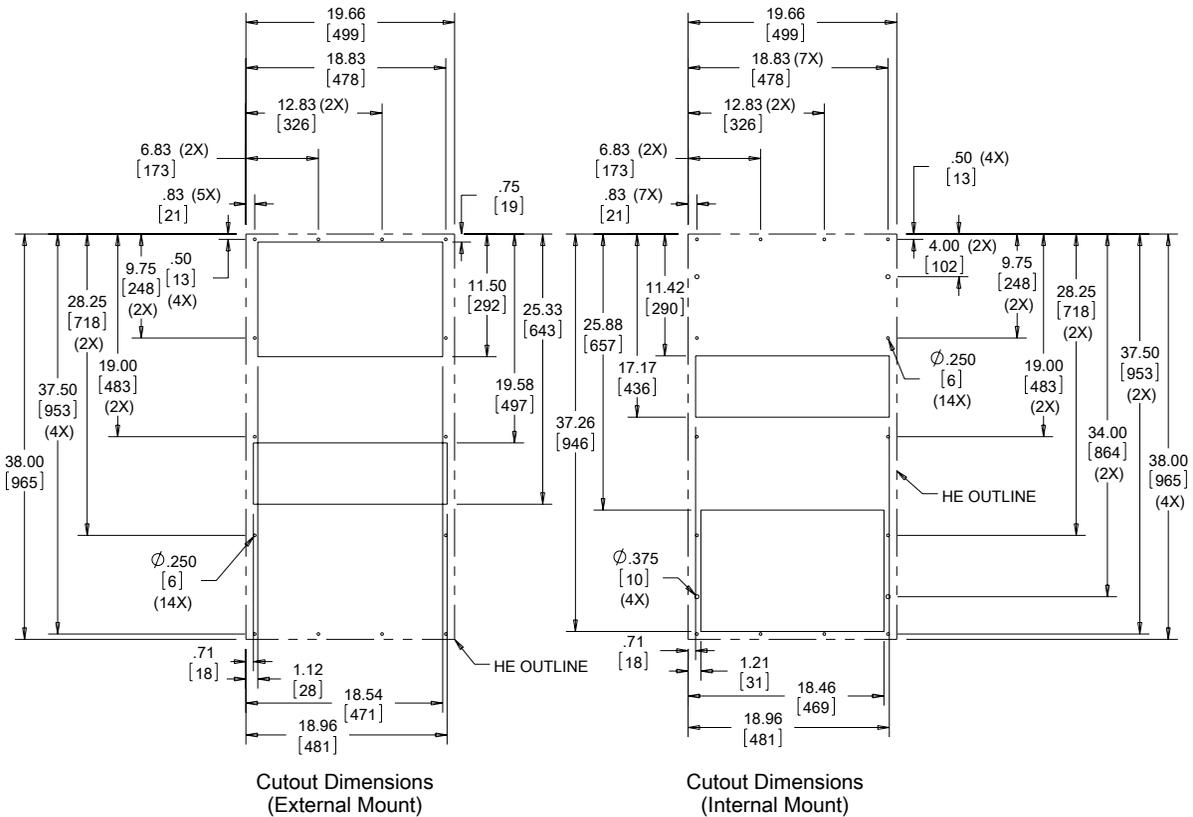
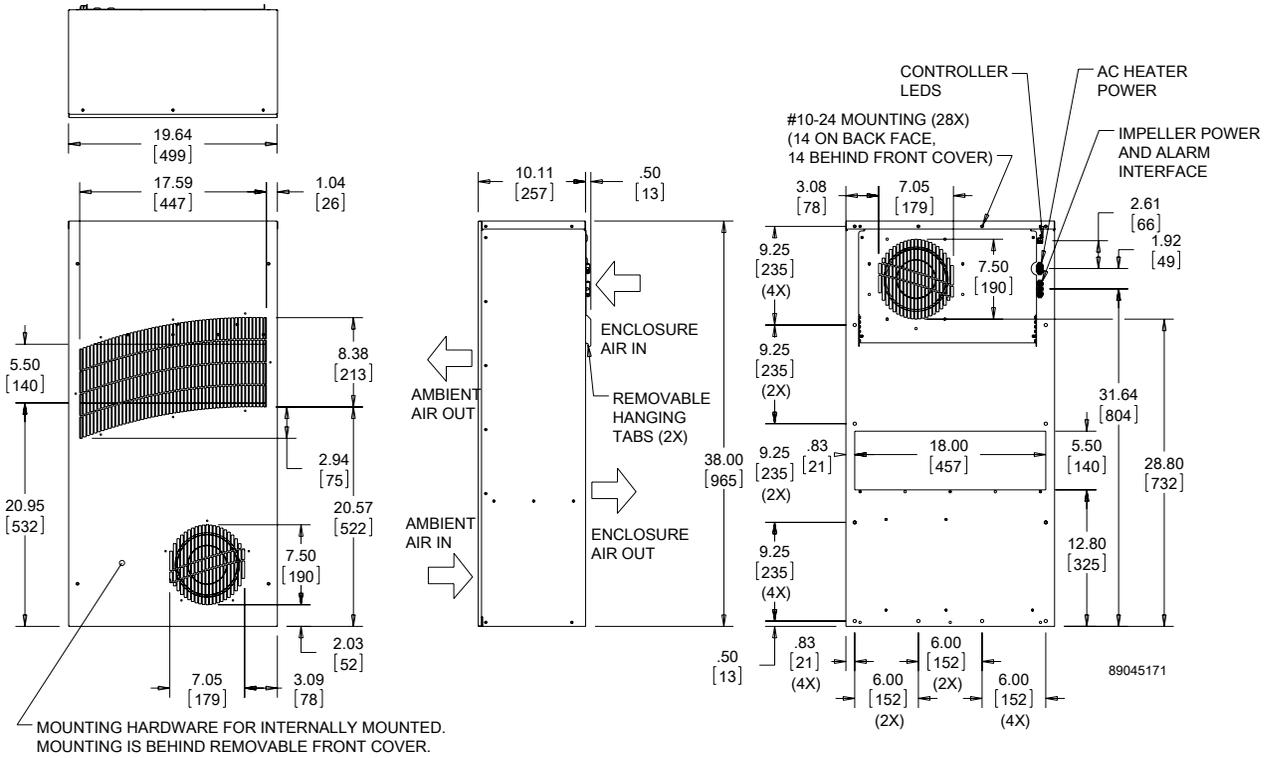


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Performance Data **TX38 Models 56 W/°F (100 W/°C)**

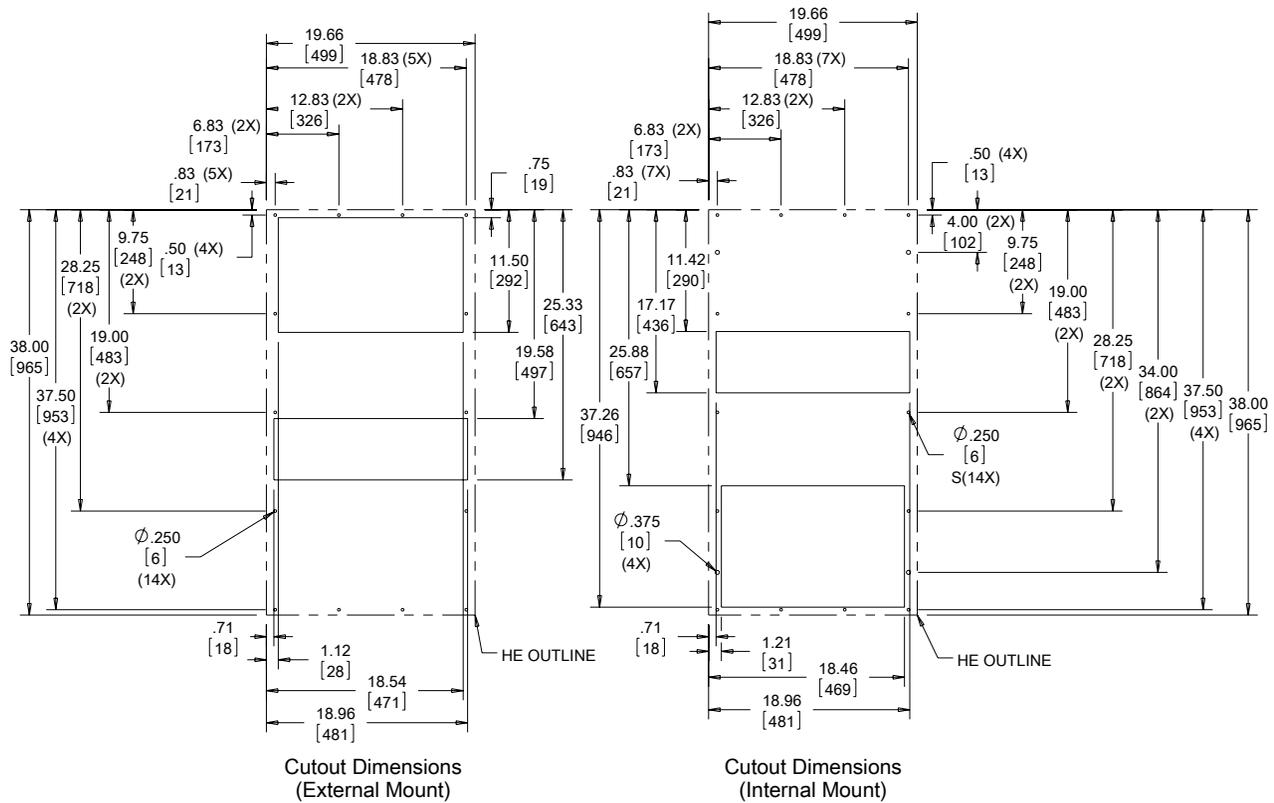
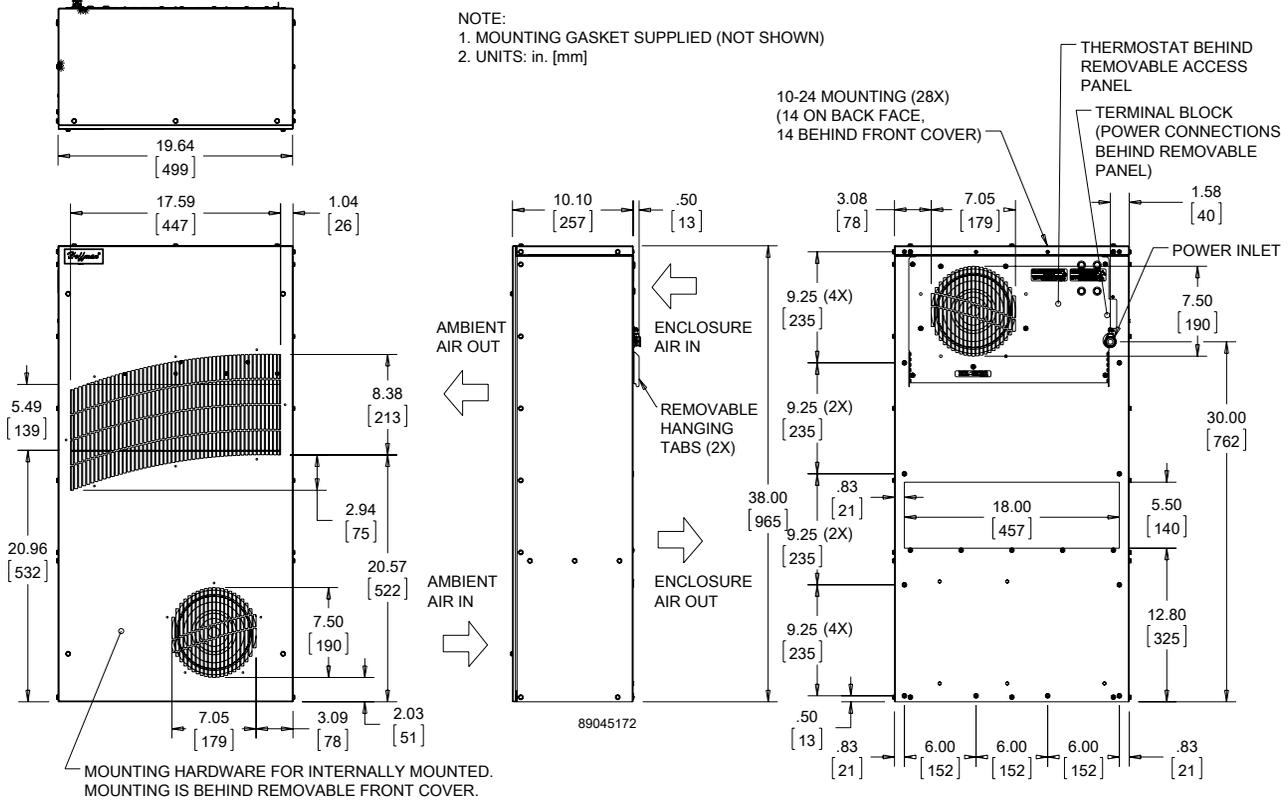
| CATALOG NUMBER | TX385616100 | TX385626100 | TX385624100 |
|---|--|----------------|--|
| COOLING PERFORMANCE | | | |
| Nominal: | | | |
| W per °F | 56 | 56 | 56 |
| W per °C | 100 | 100 | 100 |
| Refrigerant | N/A | N/A | N/A |
| Refrigerant Charge (ounces/grams) | N/A | N/A | N/A |
| Operating Temperature Range: | | | |
| Maximum (°F/°C) | 149/65 | 149/65 | 149/65 |
| Minimum (°F/°C) | -40/-40 | -40/-40 | -40/-40 |
| Airflow at 0 Static Pressure: | | | |
| Internal loop 50 Hz (CFM / m ³ /hr.) | 425/722 | 425/722 | N/A |
| External loop 50 Hz (CFM / m ³ /hr.) | 461/738 | 461/738 | N/A |
| Internal loop 60 Hz (CFM / m ³ /hr.) | 477/810 | 477/810 | 368/625 |
| External loop 60 Hz (CFM / m ³ /hr.) | 517/878 | 517/878 | 422/717 |
| ELECTRICAL DATA | | | |
| Rated Voltage | 115 VAC | 230 VAC | 24 VDC |
| Frequency (Hz) | 50/60 | 50/60 | 50/60 |
| Operating Range | +/- 10% | +/- 10% | +/- 10% |
| Max. Power Consumption (W at 50/60 Hz) | 368 | 276 | 207 |
| Max. Nominal Current (A at 50/60 Hz) | 2.3/3.2 | 0.7/1.2 | 8.6 |
| Agency Approvals | UL/cUL Listed CE EAC | | UL/cUL Listed CE EAC |
| Power Input Description | Terminal block | Terminal block | Terminal block |
| ENCLOSURE PROTECTION | | | |
| UL Type | Type 12, 3R, 4 standard Type 4X optional | | Type 12, 3R, 4 standard Type 4X optional |
| SOUND LEVEL | | | |
| At 1.5 Meters | 64 dBA | | 64 dBA |
| UNIT CONSTRUCTION | | | |
| Material | Mild Mild steel sheet metal standard | | Mild Mild steel sheet metal standard |
| Finish | RAL 7035 light-gray, semi-textured powder-coat paint standard | | RAL 7035 light-gray, semi-textured powder-coat paint standard |
| UNIT DIMENSIONS | | | |
| Height (in./mm) | 38/965.2 | 38/965.2 | 38/965.2 |
| Width (in./mm) | 19.7/500.4 | 19.7/500.4 | 19.7/500.4 |
| Depth (in./mm) | 10.1/256.5 | 10.1/256.5 | 10.1/256.5 |
| Weight (lb./kg) | 66/30 | 66/30 | 66/30 |

TX38 DC Models 56 W/°F (100 W/°C)



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TX38 AC Models 56 W/°F (100 W/°C)

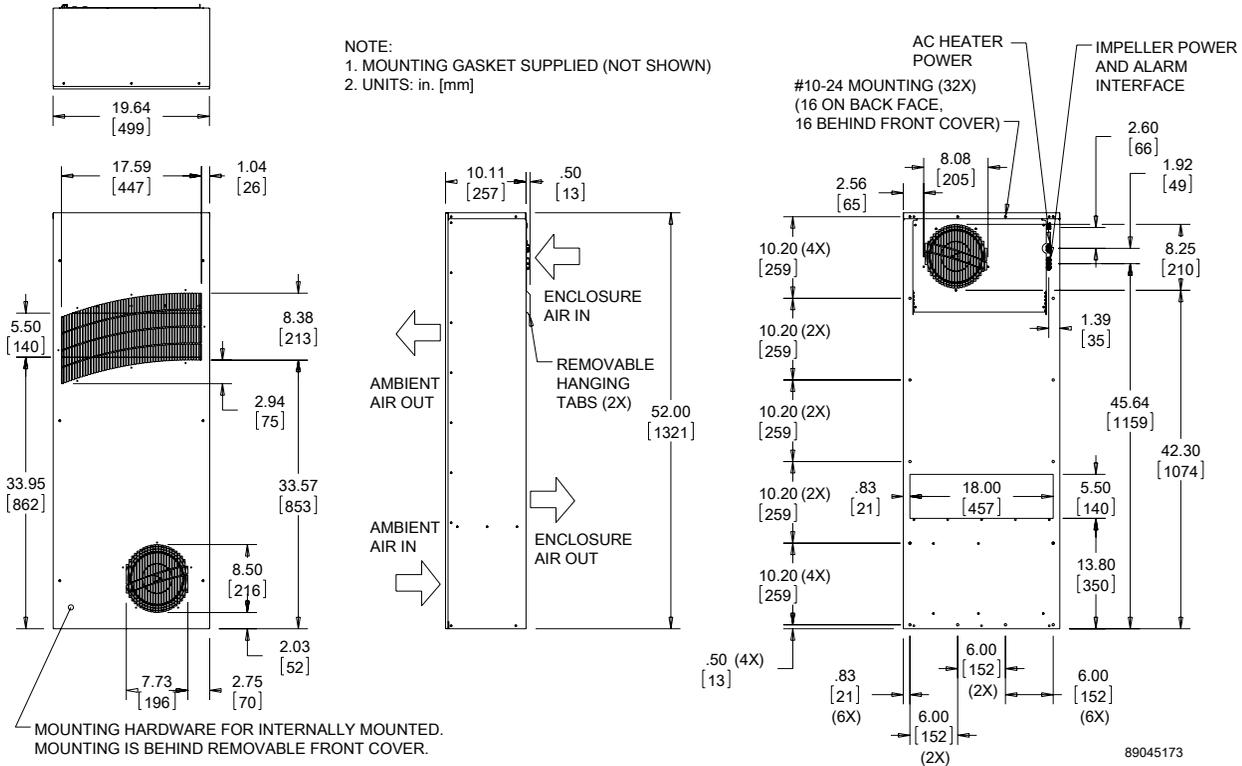


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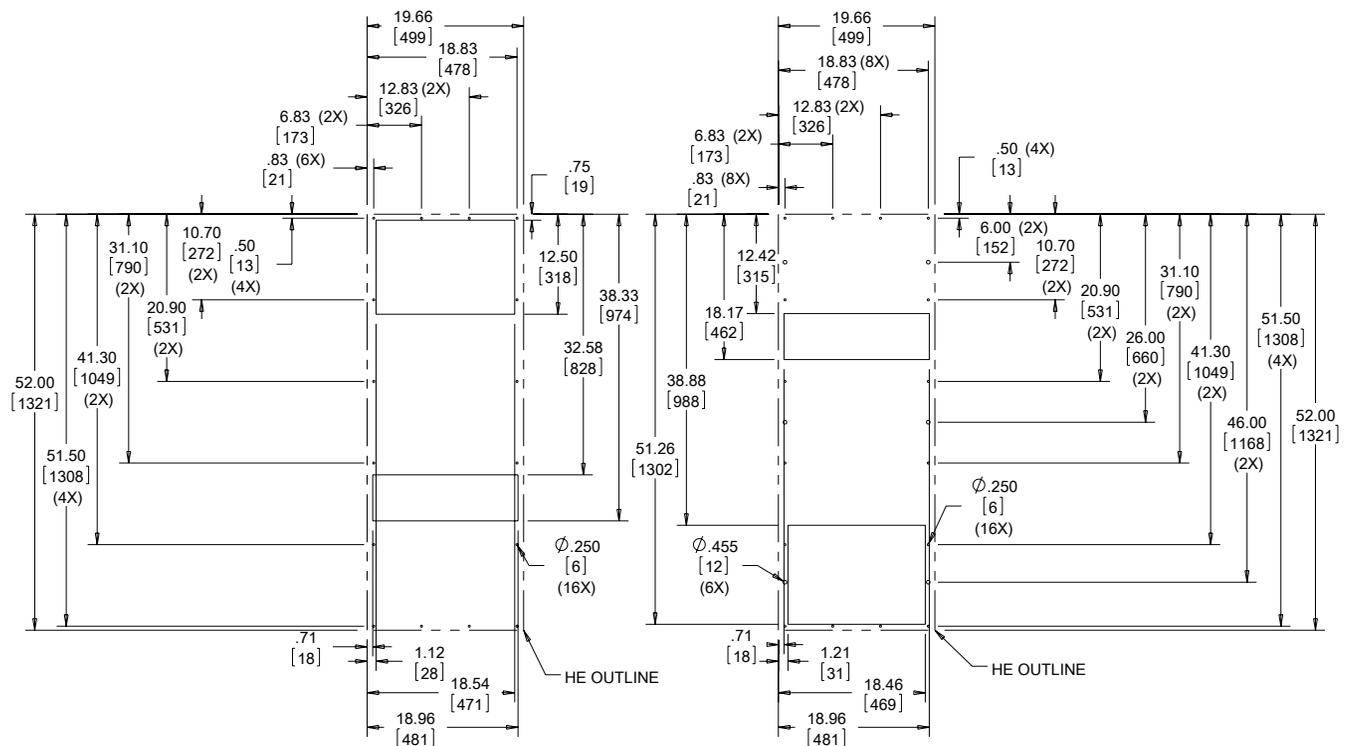
Performance Data **TX52 Models 83 W/°F (150 W/°C)**

| [[5,n]]CATALOG NUMBER | TX528316100 | TX528326100 | TX528348100 |
|---|--|----------------|----------------|
| [[5,y]]COOLING PERFORMANCE | | | |
| [[5,n]]Nominal: | | | |
| W per °F | 83 | 83 | 83 |
| W per °C | 150 | 150 | 150 |
| Refrigerant | N/A | N/A | N/A |
| Refrigerant Charge (ounces/grams) | N/A | N/A | N/A |
| [[5,n]]Operating Temperature Range: | | | |
| Maximum (°F/°C) | 149/65 | 149/65 | 149/65 |
| Minimum (°F/°C) | -40/-40 | -40/-40 | -40/-40 |
| [[5,n]]Airflow at 0 Static Pressure: | | | |
| Internal loop 50 Hz (CFM / m ³ /hr.) | 495/841 | 495/841 | N/A |
| External loop 50 Hz (CFM / m ³ /hr.) | 540/917 | 540/917 | N/A |
| Internal loop 60 Hz (CFM / m ³ /hr.) | 533/905 | 533/905 | 466/792 |
| External loop 60 Hz (CFM / m ³ /hr.) | 605/1028 | 605/1028 | 547/929 |
| [[5,y]]ELECTRICAL DATA | | | |
| Rated Voltage | 115 VAC | 230 VAC | 48 VDC |
| Frequency (Hz) | 50/60 | 50/60 | 50/60 |
| Operating Range | +/- 10% | +/- 10% | +/- 10% |
| Max. Power Consumption (W at 50/60 Hz) | 782 | 771 | 375 |
| Max. Nominal Current (A at 50/60 Hz) | 4.3/6.7 | 2.2/3.4 | 7.8 |
| Agency Approvals | UL/cUL Listed CE EAC | | |
| Power Input Description | Terminal block | Terminal block | Terminal block |
| [[5,y]]ENCLOSURE PROTECTION | | | |
| UL Type | Type 12, 3R, 4 standard Type 4X optional | | |
| [[5,y]]SOUND LEVEL | | | |
| At 1.5 Meters | 68 dBA | | |
| [[5,y]]UNIT CONSTRUCTION | | | |
| Material | Mild steel sheet metal standard Stainless steel optional | | |
| Finish | RAL 7035 light-gray, semi-textured powder-coat paint standard | | |
| [[5,y]]UNIT DIMENSIONS | | | |
| Height (in./mm) | 52/1320.8 | 52/1320.8 | 52/1320.8 |
| Width (in./mm) | 19.7/500.4 | 19.7/500.4 | 19.7/500.4 |
| Depth (in./mm) | 10.1/256.5 | 10.1/256.5 | 10.1/256.5 |
| Weight (lb./kg) | 100/45.3 | 100/45.3 | 100/45.3 |

TX52 DC Models 83 W/°F (150 W/°C)



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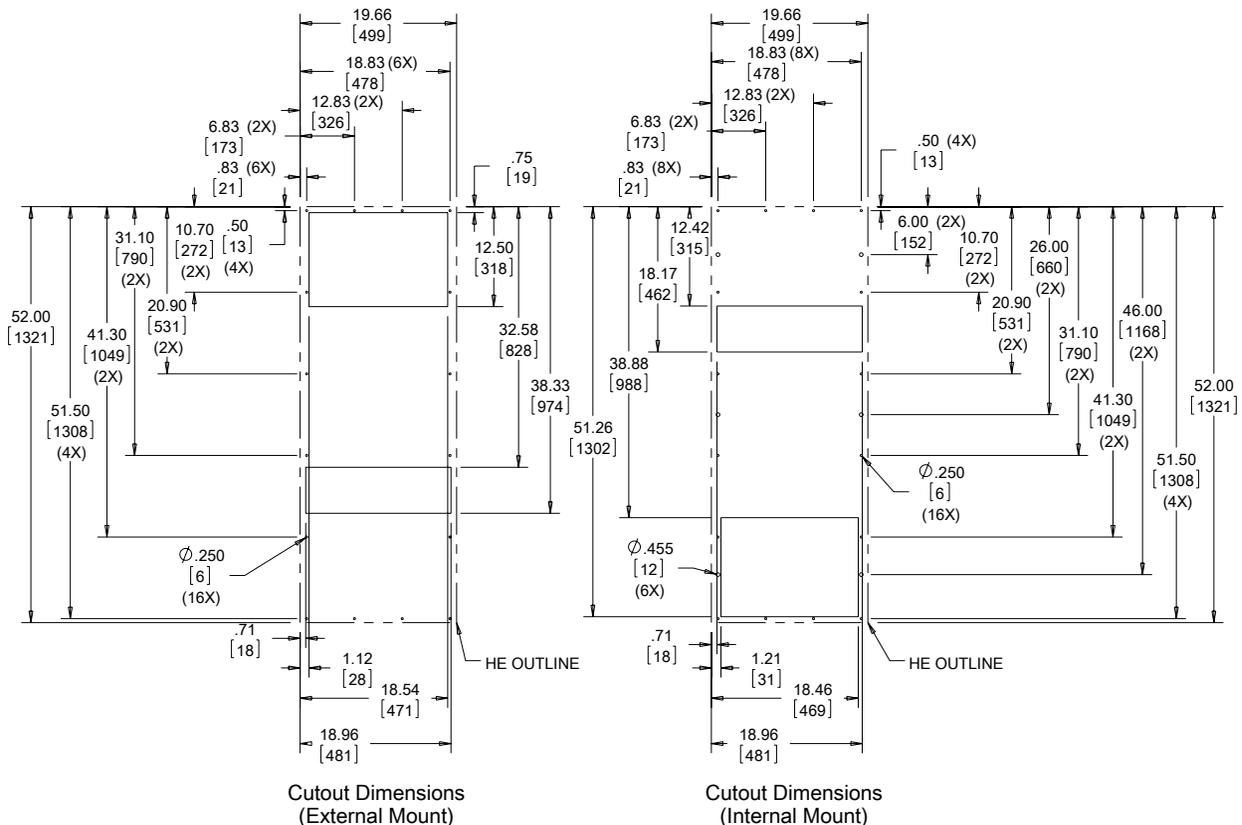
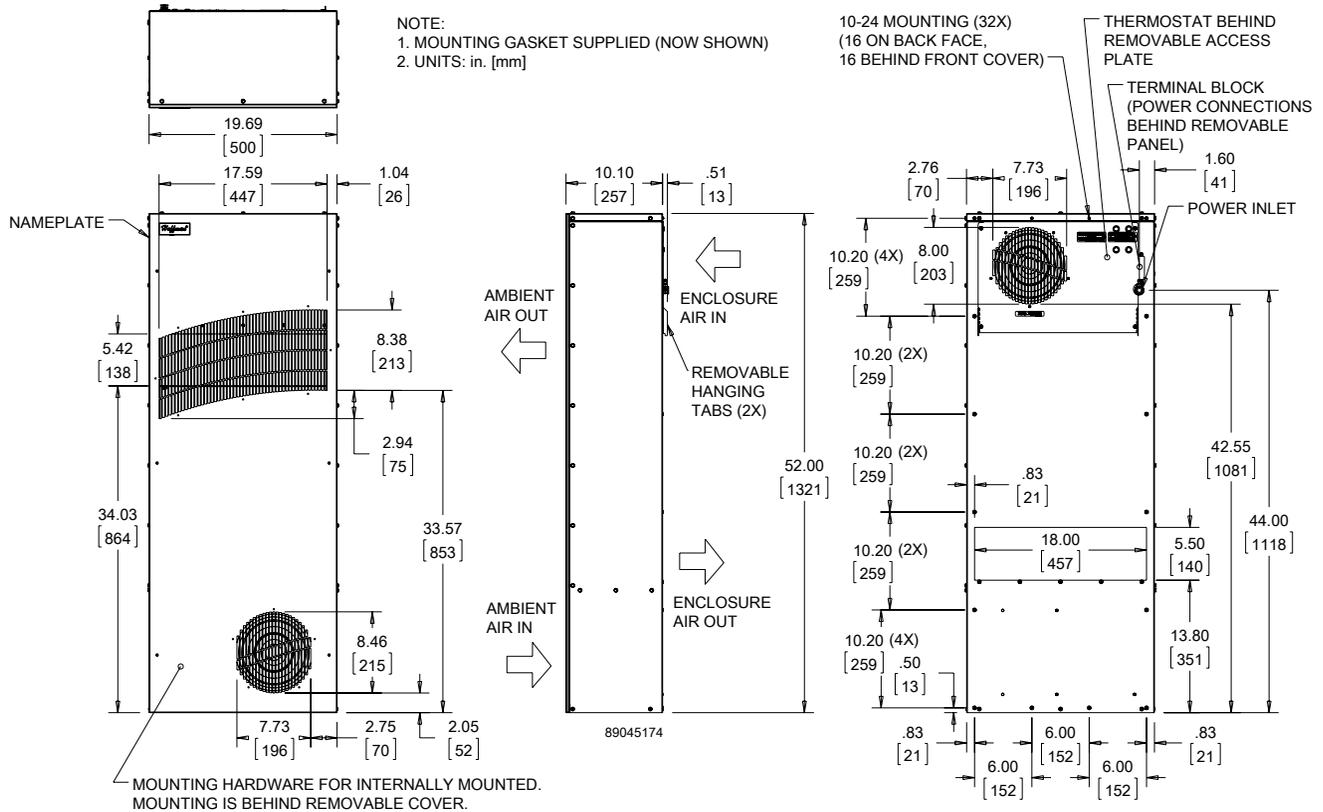


Cutout Dimensions (External Mount)

Cutout Dimensions (Internal Mount)

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TX52 AC Models 83 W/°F (150 W/°C)



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Notes