

PROTEK DOUBLE-HINGED, UL AND NEMA TYPE 4, 4X OR 12

INDUSTRY STANDARDS

UL 508A Listed; File Number E61997
 cUL Listed per CSA C22.2 No. 94; File Number E619967
 Solid Door: Type 4 and 12
 Window Door: Type 12
 Solid Door, Stainless Steel: Type 4, 4X and 12

NEMA / EEMAC: Type 4, 4X or 12
 IEC 60529, IP66 or IP55, IK 10

APPLICATION

ProTek Double-Hinged cabinets are an excellent, off-the-shelf choice for mounting 19-in. rack, panel-mounted devices or other electronic equipment. The cabinets are designed to provide both front and rear access to 19-in. rack-mounted equipment. They provide protection against water, dirt, corrosive agents and other contaminants. ProTek is an excellent choice for applications where space is at a premium and the only option is wall mounting. ProTek comes in a broad range of sizes, materials and configurations to meet many demanding applications.

FEATURES

- Front and rear access to 19-in. rack equipment provided by three-part design: door, center section and wall section
- Solid door provides complete physical and visual protection
- Window door, made of scratch-resistant safety glass, provides visual monitoring of internal equipment while maintaining equipment protection
- All seams are fully welded and ground smooth
- Doors, center section and wall section are provided with ground studs to facilitate proper bonding and grounding of the cabinet
- Premium seamless, foam-in-place gasket prevents contaminants from entering the cabinet
- Keylocking wing knob is included on painted steel cabinet, providing access control to the cabinet; two keys are included with each cabinet
- Stainless steel cabinet is provided with a quarter-turn slotted latch
- One set of plated, self-grounding, tapped 10-32 rack angles per EIA universal spacing standards, which can be adjusted front-to-back, is provided with each center section of the cabinet; additional tapped- or square-hole rack angles can be added to the cabinet to provide additional mounting
- Wall section welded panel studs which accommodate standard panels (steel and wood available), can be ordered separately
- On 28-in. (700 mm) wide enclosures, a 4-in. vertical cable manager with composite fingers is provided on hinge side of cabinet
- AC unit included (T15, N21 or N28) on models with AC cutout
- See T15, N21 and N28 air conditioner specifications following the product tables; full AC specifications available in the Thermal chapter

SPECIFICATIONS

- Doors made of 16 gauge; center and wall sections made of 14 gauge steel. Stainless steel enclosures made from Type 304 stainless steel
- Window made of .25-in. thick, scratch- and impact-resistant safety glass
- Rack angles made of plated 12 gauge steel
- M6 ground studs on door, center and wall sections are masked from paint
- Twenty 10-32 screws included with cabinet
- Foam-in-place gasket made of durable polyurethane

FINISH

- Pretreated steel coated with RAL 7035 light-gray, low-gloss, lightly textured polyester powder paint
- Stainless steel is provided with a smooth-grain finish

LOAD RATING

Center hinged section:

| Height | Maximum Load Rating |
|--------|---------------------|
| 16 in. | 175 lb./79.4 kg |
| 24 in. | 250 lb./113.4 kg |
| 36 in. | 300 lb./136.1 kg |
| 48 in. | 350 lb./158.8 kg |
| 60 in. | 400 lb./181.4 kg |

ACCESSORIES

- Locks and handles
- Panels (steel and wood)
- Grounding kits
- Power Distribution Units (PDUs)
- Rack angles

BULLETIN: DWDH2
Technical Operating Information AC Unit

| AC | Hz | Voltage VAC | Phase | BTU/hr @ Max. Ambient Temp. (watts) | Full Load Amp | Max. Ambient Temp. (°F) | Max. Ambient Temp. (°C) | Cord and Plug |
|-----|---------|-------------|-------|-------------------------------------|---------------|-------------------------|-------------------------|-------------------------------|
| T15 | 60 (50) | 115 | 1 | 800 (235 watts) | 3.6 (3.8) | 131 (125) | 52 (52) | 24-in. cord length 5-15P Plug |
| N21 | 60 (50) | 115 | 1 | 2000 (586) | 7.0 (7.0) | 131 (125) | 52 (52) | 24-in. cord length 5-15P Plug |
| N28 | 60 (50) | 115 | 1 | 4000 (1172) | 10.6 (10.0) | 131 (125) | 52 (52) | 24-in. cord length 5-15P Plug |

Standard Product **Solid Door, NEMA Type 4, 12**

| Catalog Number | in./mm | Rack Units | F in./mm | P in./mm | Q in./mm | S in./mm | Optional Steel Panel | Optional Wood Panel | Additional Rack Angles ^a |
|----------------|-----------------------|------------|-------------|-------------|-------------|-------------|----------------------|---------------------|-------------------------------------|
| PHTS162415G4 | 17.09 x 23.62 x 14.96 | 8 | 12.66 | — | — | 1.11 | CP2014 | — | PTRA16T or PTRA16S |
| | 434 x 600 x 380 | | 322 | — | — | 28 | | | |
| PHTS242415G4 | 24.09 x 23.62 x 14.96 | 12 | 12.66 | — | — | 1.11 | CP2020 | CP2020W | PTRA24T or PTRA24S |
| | 612 x 600 x 380 | | 322 | — | — | 28 | | | |
| PHTS242424G4 | 24.09 x 23.62 x 24.02 | 12 | 21.72 | — | — | 1.11 | CP2020 | CP2020W | PTRA24T or PTRA24S |
| | 612 x 600 x 610 | | 552 | — | — | 28 | | | |
| PHTS242430G4 | 24.09 x 23.62 x 29.92 | 12 | 27.64 | — | — | 1.11 | CP2020 | CP2020W | PTRA24T or PTRA24S |
| | 612 x 600 x 760 | | 702 | — | — | 28 | | | |
| PHTS242824G4 | 24.09 x 27.56 x 24.02 | 12 | 21.72 | — | — | 1.11 | CP2420 | — | PTRA24T or PTRA24S |
| | 612 x 700 x 610 | | 552 | — | — | 28 | | | |
| PHTS362415G4 | 36.30 x 23.62 x 14.96 | 19 | 12.66 | — | — | 1.11 | CP3220 | CP3220W | PTRA36T or PTRA36S |
| | 922 x 600 x 380 | | 322 | — | — | 28 | | | |
| PHTS362424G4 | 36.30 x 23.62 x 24.02 | 19 | 21.72 | — | — | 1.11 | CP3220 | CP3220W | PTRA36T or PTRA36S |
| | 922 x 600 x 610 | | 552 | — | — | 28 | | | |
| PHTS362824G4 | 36.30 x 27.56 x 24.02 | 19 | 21.72 | — | — | 1.11 | CP3024 | — | PTRA36T or PTRA36S |
| | 922 x 700 x 610 | | 552 | — | — | 28 | | | |
| PHTS482415G4 | 48.54 x 23.62 x 14.96 | 26 | 12.66 | — | — | 1.11 | CP4420 | CP4420W | PTRA48T or PTRA48S |
| | 1233 x 600 x 380 | | 322 | — | — | 28 | | | |
| PHTS482424G4 | 48.54 x 23.62 x 24.02 | 26 | 21.72 | — | — | 1.11 | CP4420 | CP4420W | PTRA48T or PTRA48S |
| | 1233 x 600 x 610 | | 552 | — | — | 28 | | | |
| PHTS482824G4 | 48.54 x 27.56 x 24.02 | 26 | 21.72 | — | — | 1.11 | CP2442 | — | PTRA48T or PTRA48S |
| | 1233 x 700 x 610 | | 552 | — | — | 28 | | | |
| PHTS602415G4 | 60.04 x 23.62 x 14.96 | 32 | 12.66 | — | — | 1.11 | CP5620 | — | PTRA60T or PTRA60S |
| | 1525 x 600 x 380 | | 322 | — | — | 28 | | | |
| PHTS602424G4 | 60.04 x 23.62 x 24.02 | 32 | 21.72 | — | — | 1.11 | CP5620 | — | PTRA60T or PTRA60S |
| | 1525 x 600 x 610 | | 552 | — | — | 28 | | | |
| PHTS242436G4 | 24.09 x 23.62 x 36.02 | 12 | 33.72 | — | — | 1.11 | CP2020 | CP2020W | PTRA24T or PTRA24S |
| | 612 x 600 x 915 | | 856 | — | — | 28 | | | |
| PHTS242836G4 | 24.09 x 27.56 x 36.02 | 12 | 33.72 | — | — | 1.11 | CP2420 | — | PTRA24T or PTRA24S |
| | 612 x 700 x 915 | | 856 | — | — | 28 | | | |
| PHTS362436G4 | 36.30 x 23.62 x 36.02 | 19 | 33.72 | — | — | 1.11 | CP3220 | CP3220W | PTRA36T or PTRA36S |
| | 922 x 600 x 915 | | 856 | — | — | 28 | | | |
| PHTS362836G4 | 36.30 x 27.56 x 36.02 | 19 | 33.72 | — | — | 1.11 | CP3220 | CP3220W | PTRA36T or PTRA36S |
| | 922 x 600 x 915 | | 856 | — | — | 28 | | | |
| PHTS482436G4 | 48.54 x 23.62 x 36.02 | 26 | 33.72 | — | — | 1.11 | CP4420 | CP4420W | PTRA48T or PTRA48S |
| | 1233 x 600 x 915 | | 856 | — | — | 28 | | | |

^aT = tapped 10-32, S = square hole (.375 in. x .375 in.)



Standard Product Window Door, NEMA Type 12

| Catalog Number | AxBxC in./mm | Rack Units | F in./mm | P in./mm | Q in./mm | S in./mm | Optional Steel Panel | Optional Wood Panel | Additional Rack Angles ^a |
|----------------|-----------------------|------------|----------|----------|----------|----------|----------------------|---------------------|-------------------------------------|
| PTHW162415G2 | 17.09 x 23.62 x 14.96 | 8 | 12.66 | 11.87 | 15.38 | 1.11 | CP2014 | — | PTRA16T or PTRA16S |
| | 434 x 600 x 380 | | 322 | 301 | 391 | 28 | | | |
| PTHW242415G2 | 24.09 x 23.62 x 14.96 | 12 | 12.66 | 18.25 | 15.38 | 1.11 | CP2020 | CP2020W | PTRA24T or PTRA24S |
| | 612 x 600 x 380 | | 322 | 464 | 391 | 28 | | | |
| PTHW242424G2 | 24.09 x 23.62 x 24.02 | 12 | 21.72 | 18.25 | 15.38 | 1.11 | CP2020 | CP2020W | PTRA24T or PTRA24S |
| | 612 x 600 x 610 | | 552 | 464 | 391 | 28 | | | |
| PTHW242430G2 | 24.09 x 23.62 x 29.92 | 12 | 27.64 | 18.25 | 15.38 | 1.11 | CP2020 | CP2020W | PTRA24T or PTRA24S |
| | 612 x 600 x 760 | | 702 | 464 | 391 | 28 | | | |
| PTHW242824G2 | 24.09 x 27.56 x 24.02 | 12 | 21.72 | 18.25 | 19.38 | 1.11 | CP2420 | — | PTRA24T or PTRA24S |
| | 612 x 700 x 610 | | 552 | 464 | 492 | 28 | | | |
| PTHW362415G2 | 36.30 x 23.62 x 14.96 | 19 | 12.66 | 30.75 | 15.38 | 1.11 | CP3220 | CP3220W | PTRA36T or PTRA36S |
| | 922 x 600 x 380 | | 322 | 781 | 391 | 28 | | | |
| PTHW362424G2 | 36.30 x 23.62 x 24.02 | 19 | 21.72 | 30.75 | 15.38 | 1.11 | CP3220 | CP3220W | PTRA36T or PTRA36S |
| | 922 x 600 x 610 | | 552 | 781 | 391 | 28 | | | |
| PTHW362430G2 | 36.30 x 23.62 x 29.92 | 19 | 27.64 | 30.75 | 15.38 | 1.11 | CP3220 | CP3220W | PTRA36T or PTRA36S |
| | 922 x 600 x 760 | | 702 | 781 | 391 | 28 | | | |
| PTHW362824G2 | 36.30 x 27.56 x 24.02 | 19 | 21.72 | 30.75 | 19.38 | 1.11 | CP3024 | — | PTRA36T or PTRA36S |
| | 922 x 700 x 610 | | 552 | 781 | 492 | 28 | | | |
| PTHW482415G2 | 48.54 x 23.62 x 14.96 | 26 | 12.66 | 42.70 | 15.38 | 1.11 | CP4420 | CP4420W | PTRA48T or PTRA48S |
| | 1233 x 600 x 380 | | 322 | 1085 | 391 | 28 | | | |
| PTHW482424G2 | 48.54 x 23.62 x 24.02 | 26 | 21.72 | 42.70 | 15.38 | 1.11 | CP4420 | CP4420W | PTRA48T or PTRA48S |
| | 1233 x 600 x 610 | | 552 | 1085 | 391 | 28 | | | |
| PTHW482430G2 | 48.54 x 23.62 x 29.92 | 26 | 27.64 | 42.70 | 15.38 | 1.11 | CP4420 | CP4420W | PTRA48T or PTRA48S |
| | 1233 x 600 x 760 | | 702 | 1085 | 391 | 28 | | | |
| PTHW482824G2 | 48.54 x 27.56 x 24.02 | 26 | 21.72 | 42.70 | 19.38 | 1.11 | CP2442 | — | PTRA48T or PTRA48S |
| | 1233 x 700 x 610 | | 552 | 1085 | 492 | 28 | | | |
| PTHW602415G2 | 60.04 x 23.62 x 14.96 | 32 | 12.66 | 54.39 | 15.38 | 1.11 | CP5620 | — | PTRA60T or PTRA60S |
| | 1525 x 600 x 380 | | 322 | 1377 | 391 | 28 | | | |
| PTHW602424G2 | 60.04 x 23.62 x 24.02 | 32 | 21.72 | 54.39 | 15.38 | 1.11 | CP5620 | — | PTRA60T or PTRA60S |
| | 1525 x 600 x 610 | | 552 | 1377 | 391 | 28 | | | |
| PTHW242436G2 | 24.09 x 23.62 x 36.02 | 12 | 33.72 | 18.25 | 15.38 | 1.11 | CP2020 | CP2020W | PTRA24T or PTRA24S |
| | 612 x 600 x 915 | | 856 | 464 | 391 | 28 | | | |
| PTHW242836G2 | 24.09 x 27.56 x 36.02 | 12 | 33.72 | 18.25 | 19.38 | 1.11 | CP2420 | — | PTRA24T or PTRA24S |
| | 612 x 700 x 915 | | 856 | 464 | 492 | 28 | | | |
| PTHW362436G2 | 36.30 x 23.62 x 36.02 | 19 | 33.72 | 30.75 | 15.38 | 1.11 | CP3220 | CP3220W | PTRA36T or PTRA36S |
| | 922 x 600 x 915 | | 856 | 781 | 391 | 28 | | | |
| PTHW362836G2 | 36.30 x 27.56 x 36.02 | 19 | 33.72 | 30.75 | 19.38 | 1.11 | CP3024 | — | PTRA36T or PTRA36S |
| | 922 x 700 x 915 | | 856 | 781 | 492 | 28 | | | |
| PTHW482436G2 | 48.54 x 23.62 x 36.02 | 26 | 33.72 | 42.70 | 15.38 | 1.11 | CP4420 | CP4420W | PTRA48T or PTRA48S |
| | 1233 x 600 x 915 | | 856 | 1085 | 391 | 28 | | | |
| PTHW482836G2 | 48.54 x 27.56 x 36.02 | 26 | 33.72 | 42.70 | 19.38 | 1.11 | CP2442 | — | PTRA48T or PTRA48S |
| | 1233 x 700 x 915 | | 856 | 1085 | 492 | 28 | | | |

^aT = tapped 10-32, S = square hole (.375 in. x .375 in.)

Cable manager supplied with 700 mm wide enclosures



Standard Product **Solid Door Stainless Steel, NEMA Type 4, 4X, 12**

| Catalog Number | AxBxC in./mm | Rack Units | F in./mm | P in./mm | Q in./mm | S in./mm | Optional Steel Panel | Optional Wood Panel | Additional Rack Angles ^a |
|----------------|-------------------------------------------|------------|--------------|----------|----------|-----------|----------------------|---------------------|-------------------------------------|
| PTHS242415X | 24.09 x 23.62 x 14.96 612 x 600 x 380 | 12 | 12.65 321 | — — | — — | .80 20 | CP2020 | CP2020W | PTRA24T or PTR24S |
| PTHS242424X | 24.09 x 23.62 x 24.02 612 x 600 x 610 | 12 | 21.71 551 | — — | — — | .80 20 | CP2020 | CP2020W | PTRA24T or PTR24S |
| PTHS362415X | 36.30 x 23.62 x 14.96 922 x 600 x 380 | 19 | 12.65 321 | — — | — — | .80 20 | CP3220 | CP3220W | PTRA36T or PTR36S |
| PTHS362424X | 36.30 x 23.62 x 24.02 922 x 600 x 610 | 19 | 21.71 551 | — — | — — | .80 20 | CP3220 | CP3220W | PTRA36T or PTR36S |
| PTHS482415X | 48.62 x 23.62 x 14.96 1235 x 600 x 380 | 26 | 12.65 321 | — — | — — | .80 20 | CP4420 | CP4420W | PTRA48T or PTR48S |
| PTHS482424X | 48.62 x 23.62 x 24.02 1235 x 600 x 610 | 26 | 21.71 551 | — — | — — | .80 20 | CP4420 | CP4420W | PTRA48T or PTR48S |
| PTHS242436X | 24.09 x 23.62 x 36.02 612 x 600 x 915 | 12 | 33.72 856 | — — | — — | .80 20 | CP2020 | CP2020W | PTRA24T or PTR24S |
| PTHS362436X | 36.30 x 23.62 x 36.02 922 x 600 x 915 | 19 | 33.72 856 | — — | — — | .80 20 | CP3220 | CP3220W | PTRA36T or PTR36S |

^aT = tapped 10-32, S = square hole (.375 in. x .375 in.)



Standard Product **Solid Door AC, NEMA Type 4, 12**

| Catalog Number | AxBxC in./mm | Rack Units | F in./mm | P in./mm | Q in./mm | S in./mm | Optional Steel Panel | Optional Wood Panel | Additional Rack Angles ^a | AC |
|----------------|-------------------------------------------|------------|--------------|----------|----------|------------|----------------------|---------------------|-------------------------------------|--------------------------|
| PTHS242428G4A | 24.09 x 23.62 x 27.95 612 x 600 x 710 | 12 | 25.65 652 | — — | — — | 1.11 28 | CP2020 | CP2020W | PTRA24T or PTR24S | T150116G100 ^b |
| PTHS362428G4A | 36.30 x 23.62 x 27.95 922 x 600 x 710 | 19 | 25.65 652 | — — | — — | 1.11 28 | CP3220 | CP3220W | PTRA36T or PTR36S | T150116G100 ^b |
| PTHS482428G4A | 48.54 x 23.62 x 27.95 1233 x 600 x 710 | 26 | 25.65 652 | — — | — — | 1.11 28 | CP4420 | CP4420W | PTRA48T or PTR48S | T150116G100 ^b |
| PTHS242430G4A | 24.09 x 23.62 x 31.06 612 x 600 x 789 | 12 | 28.76 731 | — — | — — | 1.11 28 | CP2020 | CP2020W | PTRA24T or PTR24S | N210216G050 ^c |
| PTHS362430G4A | 36.30 x 23.62 x 31.06 922 x 600 x 789 | 19 | 28.76 731 | — — | — — | 1.11 28 | CP3220 | CP3220W | PTRA36T or PTR36S | N280416G050 ^d |
| PTHS482430G4A | 48.54 x 23.62 x 31.06 1233 x 600 x 789 | 26 | 28.76 731 | — — | — — | 1.11 28 | CP4420 | CP4420W | PTRA48T or PTR48S | N280416G050 ^d |

^aT = tapped 10-32, S = square hole (.375 in. x .375 in.)

^b800 BTU/Hr. AC included with cabinet

^c2000 BTU/Hr. AC included with cabinet

^d4000 BTU/Hr. AC included with cabinet



Standard Product Window Door AC, NEMA Type 12

| Catalog Number | AxBxC in./mm | Rack Units | F in./mm | P in./mm | Q in./mm | S in./mm | Optional Steel Panel | Optional Wood Panel | Additional Rack Angles ^a | AC |
|----------------|-----------------------|------------|----------|----------|----------|----------|----------------------|---------------------|-------------------------------------|--------------------------|
| PTHW242428G2A | 24.09 x 23.62 x 27.95 | 12 | 25.65 | 18.25 | 12.38 | 1.11 | CP2020 | CP2020W | PTRA24T or PTRA24S | T150116G100 ^b |
| | 612 x 600 x 710 | | 652 | 464 | 391 | 28 | | | | |
| PTHW362428G2A | 36.30 x 23.62 x 27.95 | 19 | 25.65 | 30.75 | 15.38 | 1.11 | CP3220 | CP3220W | PTRA36T or PTRA36S | T150116G100 ^b |
| | 922 x 600 x 710 | | 652 | 781 | 391 | 28 | | | | |
| PTHW482428G2A | 48.54 x 23.62 x 27.95 | 26 | 25.65 | 42.70 | 15.38 | 1.11 | CP4420 | CP4420W | PTRA48T or PTRA48S | T150116G100 ^b |
| | 1233 x 600 x 710 | | 652 | 1085 | 391 | 28 | | | | |

^aT = tapped 10-32, S = square hole (.375 in. x .375 in.)

^b800 BTU/Hr. AC included with cabinet

Standard Product Solid Door Stainless Steel AC, NEMA Type 4, 4X, 12

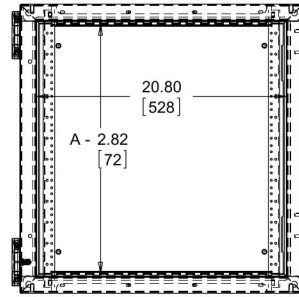
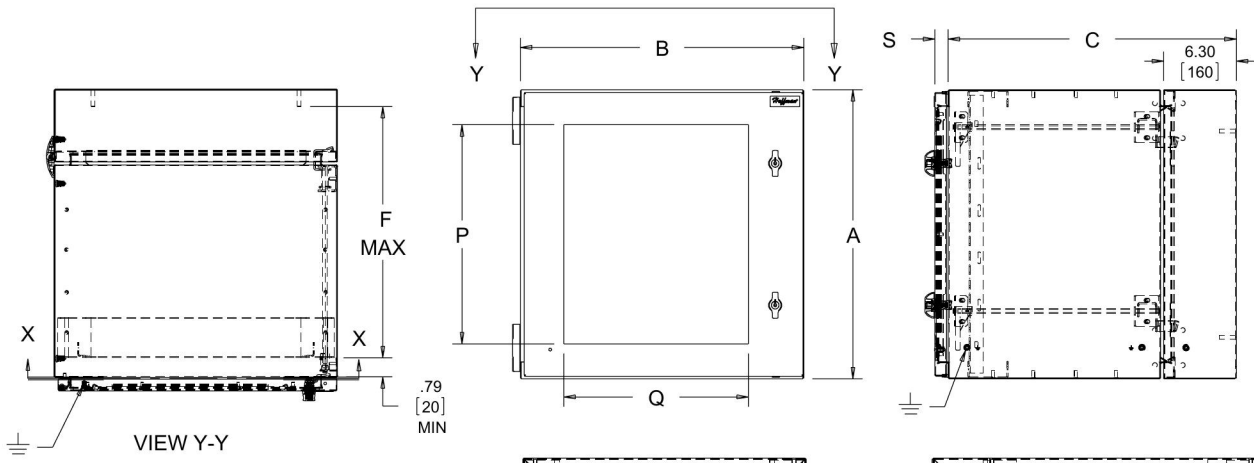
| Catalog Number | AxBxC in./mm | Rack Units | F in./mm | P in./mm | Q in./mm | S in./mm | Optional Steel Panel | Optional Wood Panel | Additional Rack Angles ^a | AC |
|----------------|-----------------------|------------|----------|----------|----------|----------|----------------------|---------------------|-------------------------------------|--------------------------|
| PTHS242428XA | 24.45 x 23.62 x 27.95 | 12 | 25.65 | — | — | .80 | CP2020 | CP2020W | PTRA24T or PTRA24S | T150116G152 ^b |
| | 621 x 600 x 710 | | 652 | — | — | 20 | | | | |
| PTHS362428XA | 36.30 x 23.62 x 27.95 | 19 | 25.65 | — | — | .80 | CP3220 | CP3220W | PTRA36T or PTRA36S | T150116G152 ^b |
| | 922 x 600 x 710 | | 652 | — | — | 20 | | | | |
| PTHS482428XA | 48.62 x 23.62 x 27.95 | 26 | 25.65 | — | — | .80 | CP4420 | CP4420W | PTRA48T or PTRA48S | T150116G152 ^b |
| | 1235 x 600 x 710 | | 652 | — | — | 20 | | | | |
| PTHS242430XA | 24.09 x 23.62 x 31.06 | 12 | 28.76 | — | — | .80 | CP2020 | CP2020W | PTRA24T or PTRA24S | N210216G051 ^c |
| | 612 x 600 x 789 | | 731 | — | — | 20 | | | | |
| PTHS362430XA | 36.30 x 23.62 x 31.06 | 19 | 28.76 | — | — | .80 | CP3220 | CP3220W | PTRA36T or PTRA36S | N280416G151 ^d |
| | 922 x 600 x 789 | | 731 | — | — | 20 | | | | |
| PTHS482430XA | 48.54 x 23.62 x 31.06 | 26 | 28.76 | — | — | .80 | CP4420 | CP4420W | PTRA48T or PTRA48S | N280416G151 ^d |
| | 1233 x 600 x 789 | | 731 | — | — | 20 | | | | |

^aT = tapped 10-32, S = square hole (.375 in. x .375 in.)

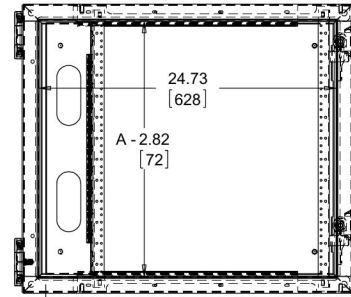
^b800 BTU/Hr. AC included with cabinet

^c2000 BTU/Hr. AC included with cabinet

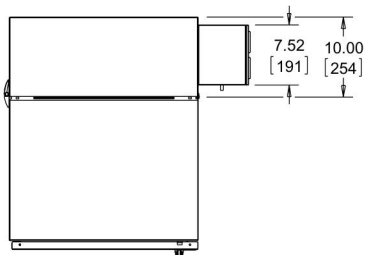
^d4000 BTU/Hr. AC included with cabinet

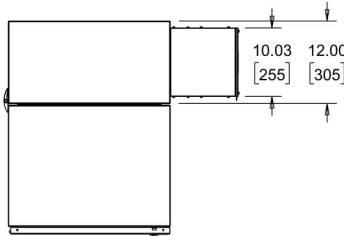
X-X
B = 600 mm



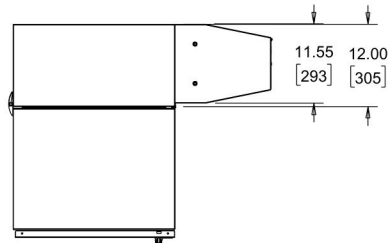
X-X
B = 700 mm



T15 AC

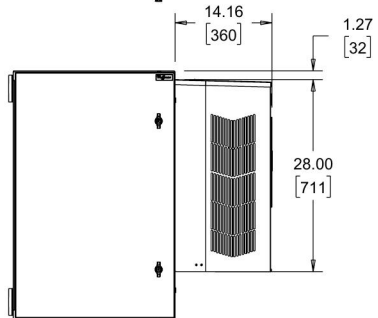
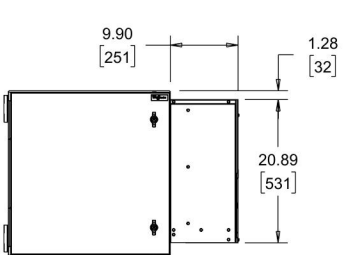
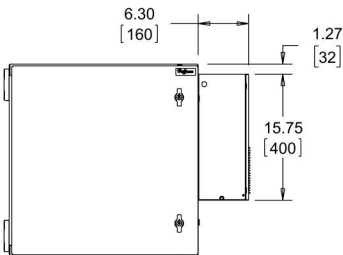


N21 AC



N28 AC

89080109



T15 AIR CONDITIONER SPECIFICATIONS

Performance Data T15 800 BTU/Hr. (234 Watt) Models

| CATALOG NUMBER | |
|-------------------------------------------------|-----------------------------------------------------------------|
| Outdoor Model without Heat Pkg. | T150116G100 |
| Outdoor Model/SST/Corrosion/4X | T150116G152 |
| COOLING PERFORMANCE | |
| Nominal: | |
| BTU/Hr. | 800/800 |
| Watts | 235/235 |
| At 131 F/131 F (55 C/55 C): | |
| BTU/Hr. (50/60 Hz) | 819 |
| W (50/60 Hz) | 240 |
| At 95 F/95 F (35 C/35 C): | |
| BTU/Hr. (50 /60 Hz) | 948 |
| W (50/60 Hz) | 278 |
| Refrigerant | R-134A |
| Refrigerant Charge (ounces/grams) | 4/113 |
| Operating Temperature Range: | |
| Maximum (°F/°C) | 131/55 |
| Minimum (°F/°C) | -40/-40 |
| Airflow at 0 Static Pressure: | |
| Internal loop 50 Hz (CFM / m ³ /hr.) | 25/42 |
| External loop 50 Hz (CFM / m ³ /hr.) | 48/82 |
| Internal loop 60 Hz (CFM / m ³ /hr.) | 30/51 |
| External loop 60 Hz (CFM / m ³ /hr.) | 53/90 |
| Max. Heater W (Outdoor Models) | 150 |
| ELECTRICAL DATA | |
| Rated Voltage | 100/115 |
| Frequency (Hz) | 50/60 |
| Operating Range | +/- 10% |
| Max. Power Consumption (W at 50/60 Hz) | 360/403 |
| Max. Nominal Current (A at 50/60 Hz) | 3.6/3.5 |
| Starting Current (A) | 8.0/9.2 |
| Agency Approvals | UL/cUL Listed CE EAC |
| Power Input Description | Others available upon request 6-ft. cord with NEMA 5-15 plug |
| ENCLOSURE PROTECTION | |
| UL Type | Type 12, 3R, 4 standard Type 4X Stainless steel optional |
| CONTROLLER | |
| Description | Basic mechanical thermostat |
| Thermostat Location | Enclosure behind front panel |
| Factory Thermostat Setting (°F/°C) | 80/27 |
| SOUND LEVEL | |
| At 1.5 Meters | 63 dB(A) |
| UNIT CONSTRUCTION | |
| Material | Galvanized sheet metal standard Stainless steel optional |
| Finish | RAL 7035 light-gray, semi-textured powder-coat paint standard |
| UNIT DIMENSIONS | |
| Height (in./mm) | 15.75/400 |
| Width (in./mm) | 7.5/191 |
| Depth (in./mm) | 6.3/160 |
| Weight (lb./kg) | 27/12 |

N21 AIR CONDITIONER SPECIFICATIONS



Performance Data N21 2000 BTU/Hr. (586 Watt) Models

| CATALOG NUMBER | |
|-------------------------------------------------|-----------------------------------------------------------------------------------------|
| Indoor Model | N210216G050 |
| Indoor Model Stainless Steel Type 4X | N210216G051 |
| COOLING PERFORMANCE | |
| Nominal: | |
| BTU/Hr. | 1800/2000 |
| Watts | 528/586 |
| At 131 F/131 F (55 C/55 C): | |
| BTU/Hr. (50/60 Hz) | 2000/2175 |
| W (50/60 Hz) | 586/637 |
| At 95 F/95 F (35 C/35 C): | |
| BTU/Hr. (50/60 Hz) | 1950/2200 |
| W (50/60 Hz) | 571/645 |
| Refrigerant | R134A |
| Refrigerant Charge (ounces/grams) | 6.5/184 |
| Operating Temperature Range: | |
| Maximum (°F/°C) | 131/55 |
| Minimum (°F/°C) | -40/-40 |
| Airflow at 0 Static Pressure: | |
| Internal loop 50 Hz (CFM / m ³ /hr.) | 77/131 |
| External loop 50 Hz (CFM / m ³ /hr.) | 150/255 |
| Internal loop 60 Hz (CFM / m ³ /hr.) | 91/155 |
| External loop 60 Hz (CFM / m ³ /hr.) | 165/280 |
| Max. Heater W (Outdoor Models) | 500 |
| ELECTRICAL DATA | |
| Rated Voltage | 115 |
| Frequency (Hz) | 50/60 |
| Operating Range | +/- 10% |
| Max. Power Consumption (W at 50/60 Hz) | 700/805 |
| Max. Nominal Current (A at 50/60 Hz) | 7.0/7.0 |
| Starting Current (A) | 19 |
| Agency Approvals | cUL Listed CE EAC Others available upon request |
| Power Input Description | Terminal Block |
| ENCLOSURE PROTECTION | |
| UL Type | Type 12, 3R, 4 standard Type 4X Stainless steel optional |
| CONTROLLER | |
| Description | Basic mechanical thermostat |
| Thermostat Location | Enclosure side on all base models |
| Factory Thermostat Setting (°F/°C) | 80/27 |
| SOUND LEVEL | |
| At 1.5 Meters | 66 dB(A) |
| UNIT CONSTRUCTION | |
| Material | Galvanized sheet metal standard Stainless steel optional |
| Finish | RAL 7035 light-gray, semi-textured powder-coat paint standard Other colors available |
| UNIT DIMENSIONS | |
| Height (in./mm) | 20.92/531 |
| Width (in./mm) | 10.00/254 |
| Depth (in./mm) | 9.90/251 |
| Weight (lb./kg) | 56/25 |

N28 AIR CONDITIONER SPECIFICATIONS

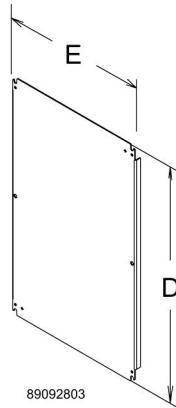
Performance Data N28 4000 BTU/Hr. (1172 Watt)

| CATALOG NUMBER | |
|------------------------------------------------------|------------------------------------------------------------------------------------------------------|
| Indoor Model | N280416G050 |
| Outdoor Model with Heat Pkg. Stainless Steel Type 4X | N280416G151 |
| COOLING PERFORMANCE | |
| Nominal: | |
| BTUs/Hr. | 3800 / 4000 |
| Watts | 1114 / 1172 |
| At 125 F / 125 F (50 C / 50 C): | |
| BTU/Hr. (50 / 60 Hz) | 3940 / 4104 |
| Watts (50 / 60 Hz) | 1150 / 1000 |
| At 95 F / 95 F (35 C / 35 C): | |
| BTU/Hr. (50 / 60 Hz) | 3754 / 4011 |
| Watts (50 / 60 Hz) | 1100 / 1175 |
| Refrigerant | R134a |
| Refrigerant Charge (ounces/grams) | 10 / 283 |
| Operating Temperature Range: | |
| Maximum (°F / °C) | 125 / 52 |
| Minimum (°F / °C) | -40 / -40 |
| Air Flow at 0 Static Pressure: | |
| Internal loop 50 Hz (CFM / M ³ /Hr) | 138 / 234 |
| External loop 50 Hz (CFM / M ³ /Hr) | 268 / 455 |
| Internal loop 60 Hz (CFM / M ³ /Hr) | 143 / 243 |
| External loop 60 Hz (CFM / M ³ /Hr) | 288 / 489 |
| Max. Heater W (Outdoor Models) | 1300 |
| ELECTRICAL DATA | |
| Rated Voltage | 110 / 115 |
| Frequency (Hz) | 50 / 60 |
| Operating Range | +/-10% |
| Max. Power Consumption (Watts at 50 / 60 Hz) | 971 / 1116 |
| Max. Nominal Current (Amps at 50 / 60 Hz) | 10.6 / 10.0 |
| Starting Current (Amps) | 40 |
| Agency Approvals | cUL Listed CE Others available upon request |
| Power Input Description | Terminal Block |
| ENCLOSURE PROTECTION | |
| UL Type | Type 12, 3R, 4 Standard Type 4X Stainless Steel Optional |
| CONTROLLER | |
| Description | Basic Mechanical Thermostat |
| Thermostat Location | Enclosure Side |
| Factory Thermostat Setting (°F / °C) | 80 / 27 |
| SOUND LEVEL | |
| At 1.5 Meters | 64.4 dBA |
| UNIT CONSTRUCTION | |
| Material | Galvanized sheet metal standard Stainless steel optional |
| Finish | RAL 7035 light-gray, semi-textured powder-coat paint standard Other colors available |
| ACCESSORIES | |
| EASYSWAP Adaptor Plenum (GENESIS M33) | Enables SPECTRAC00L to be mounted to a GENESIS M33 air conditioner cutout Catalog Number PLM33N28 |
| UNIT DIMENSIONS | |
| Height (in / mm) | 28 / 711.2 |
| Width (in / mm) | 11.50 / 292.1 |
| Depth (in / mm) | 14.00 / 355.6 |
| Weight (lb / kg) | 84 / 38 |

PROTEK WALL-MOUNT CABINET ACCESSORY PANELS

Where equipment mounting space is limited, Accessory Panels increase cabinet capacity by providing a mounting surface for 19-in. equipment and accessories at the back of the cabinet. The panels mount on collar studs provided in the cabinet. Available in painted mild steel.

BULLETIN: CWP, DWDH2



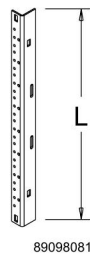
Standard Product

| Catalog Number | Panel Size D x E mm/in. | Gauge |
|----------------|----------------------------|-------|
| CP2014 | 462 x 310 | 14 |
| CP2020 | 462 x 462 | 12 |
| CP2442 | 564 x 1021 | 12 |
| CP3220 | 762 x 462 | 12 |
| CP4420 | 1072 x 462 | 12 |
| CP5620 | 1351 x 462 | 12 |

PROTEK RACK ANGLES

Square- and tapped-hole rack angles fit into ProTek single- and double-hinged cabinets.

BULLETIN: DWDH2



Standard Product

| Catalog Number | L in./mm | Hole Type | Fits Cabinet Height in./mm | Rack Units |
|----------------|---------------|-----------|-------------------------------|------------|
| PTRA16T | 16.12 409 | Tapped | 16.00 | 8 |
| PTRA16S | 16.12 409 | Square | 16.00 | 8 |
| PTRA24T | 23.12 587 | Tapped | 24.00 | 12 |
| PTRA24S | 23.12 587 | Square | 24.00 | 12 |
| PTRA36T | 35.32 897 | Tapped | 36.00 | 19 |
| PTRA36S | 35.32 897 | Square | 36.00 | 19 |
| PTRA48T | 45.57 1157 | Tapped | 48.00 | 26 |
| PTRA48S | 45.57 1157 | Square | 48.00 | 26 |
| PTRA60T | 59.07 1500 | Tapped | 60.00 | 32 |
| PTRA60S | 59.07 1500 | Square | 60.00 | 32 |