

# ProTek Double-Hinged Fan Packages

## Data Solutions



ProTek Double-Hinged Fan Package cabinets are an excellent, off-the-shelf choice for mounting 19-inch rack, panel-mounted devices or other electronic equipment. An integral top solar/drip shield and thermostatically-controlled fans provide airflow to cool internal equipment. Cabinets are available in UL Type 3R for outdoor use. A UL Type 1 window version is available for indoor applications. The cabinets are designed to provide both front and rear access to 19-inch rack-mounted equipment. They provide protection against water, dirt 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.

### INDUSTRY STANDARDS

UL 508A Listed; File Number E61997

cUL Listed per CSA C22.2 No. 94; File Number E61997

Solid Door: Type 3R

Window Door: Type 1

NEMA / EEMAC: Type 1 or 3R

IEC 60529, IP30 or IP 32, IK 10

### FEATURES

Front and rear access to 19-inch rack equipment provided by three-part design: door, center section and wall section

Solid door provides complete physical and visual protection

Integral top solar/drip shield

Two thermostatically controlled, long-life, high-performance fans mounted into top

Window door, made of .25-inch scratch-resistant safety glass and mechanically fastened, provides visual monitoring of internal equipment while maintaining equipment protection

All seams are fully welded and ground smooth

Perforated, vented base with internal, expanded metal, serviceable filter

Door, 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

Key-locking wing knob provides access control to the cabinet; two keys are included with each cabinet

One set of plated, self-grounding, tapped 10-32 rack angles per EIA universal spacing standards, adjustable front-to-back within the center section of the cabinet

Additional rack angles in tapped- or square-hole versions can be added to the cabinet

Wall section welded panel studs which accommodate standard panels (steel and wood available), can be ordered separately

## SPECIFICATIONS

|                    |               |
|--------------------|---------------|
| <b>Color:</b>      | Light Gray    |
| <b>Material:</b>   | Mild Steel    |
| <b>Finish:</b>     | Powder Coated |
| <b>Color Code:</b> | RAL 7035      |

Table 1/2

| Catalog Number               | Article Number | Height | Width | Depth | Body Thickness | Door Thickness |
|------------------------------|----------------|--------|-------|-------|----------------|----------------|
| <a href="#">PTHS362424G3</a> | 23627          | 922mm  | 600mm | 610mm | 1.9mm          | 1.52mm         |
| <a href="#">PTHW242424GF</a> | 23653          | 612mm  | 600mm | 610mm | 1.9mm          | 1.52mm         |
| <a href="#">PTHW362424GF</a> | 23654          | 922mm  | 600mm | 610mm | 1.9mm          | 1.52mm         |
| <a href="#">PTHS482424G3</a> | 23628          | 1235mm | 600mm | 610mm | 1.9mm          | 1.52mm         |
| <a href="#">PTHW482424GF</a> | 23655          | 1233mm | 600mm | 610mm | 1.9mm          | 1.52mm         |
| <a href="#">PTHS242424G3</a> | 23626          | 612mm  | 600mm | 610mm | 1.9mm          | 1.52mm         |

Table 2/2

| Catalog Number               | Article Number | Rack Units | Additional Rack Angles |
|------------------------------|----------------|------------|------------------------|
| <a href="#">PTHS362424G3</a> | 23627          | 19U        | PTRA36T or PTRA36S     |
| <a href="#">PTHW242424GF</a> | 23653          | 12U        | PTRA24T or PTRA24S     |
| <a href="#">PTHW362424GF</a> | 23654          | 19U        | PTRA36T or PTRA36S     |
| <a href="#">PTHS482424G3</a> | 23628          | 26U        | PTRA48T or PTRA48S     |
| <a href="#">PTHW482424GF</a> | 23655          | 26U        | PTRA48T or PTRA48S     |
| <a href="#">PTHS242424G3</a> | 23626          | 12U        | PTRA24T or PTRA24S     |

## ADDITIONAL PRODUCT DETAILS

Performance data based on effective measured airflow provided by integral fans is 272 CFM.

Delta T or  $\Delta T$  (Ambient Temperature – Maximum in-cabinet Temperature): Ambient air must be cooler than maximum in-cabinet temperature; For applications that have less than a  $\Delta T$  of 5 F, use ProTek with AC unit

Total Cooling = (Air cooling + Cabinet cooling)

Air Cooling [Watts = .316 x CFM x  $\Delta T$ ] Cabinet cooling [Watts = (.22 x Area) /  $\Delta T$ ]

Example: Cabinet height 24 in. x 24 in. deep with ambient temperature 110 F, with a maximum internal cabinet temperature 120 F ( $\Delta T = 10$  F). The cabinet and fans will provide a total cooling capability of 762 Watts or 1300 BTU. (See Performance Chart)

## WARNING

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nVent products shall be installed and used only as indicated in nVent's product instruction sheets and training materials. Instruction sheets are available at [www.nvent.com](http://www.nvent.com) and from your nVent customer service representative. Improper installation, misuse, misapplication or other failure to completely follow nVent's instructions and warnings may cause product malfunction, property damage, serious bodily injury and death and/or void your warranty.



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