

ProTek 1-Door Solid Fan Package Type 3R, 24.09x23.62x24.02, Lt Gray, Steel

Data Solutions

CATALOG NUMBER

PTRS242424G3



ProTek Single-Door 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 indoor/ outdoor use. A UL Type 1 window-door version is available for indoor applications. The integral fans provide cooling for internally mounted equipment. The enclosures 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

Solid-door cabinet provides complete physical and visual protection

Integral top solar/drip shield

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

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

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

Door and body 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

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

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 cabinet

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

PRODUCT ATTRIBUTES

Article Number: 23593

Height: 612mm

Width: 600mm

Depth: 610mm

Material: Mild Steel

Finish: Powder Coated

Color: Light Gray

Color Code: RAL 7035

Body Thickness: 1.9mm

Door Thickness: 1.52mm

Rack Units: 12U

Additional Rack Angles: PTR24T or PTR24S

ADDITIONAL PRODUCT DETAILS

Performance data based on:

Effective measured airflow provided by integral fans is 272 CFM (6-in.) or 113 CFM (4-in.)

Delta T or ΔT (Ambient Temperature – Maximum in-cabinet Temperature)

Ambient air must be cooler than maximum in-cabinet temperature

For applications that have less than a ΔT of 5 F, use ProTek with AC unit

Total Cooling = (Air cooling + Cabinet cooling)

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

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 Charts)

WARNING

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 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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