In the fast-paced communications industry, continual innovation is a must. Increasing advances in technological breakthroughs have led to more powerful communications systems in more compact designs. As a result of the increased power densities found within these electrical systems, more concentrated heat densities are naturally occurring, placing more emphasis on the need to design efficient, effective thermal removal solutions into the communication system.

Protecting critical electrical components and systems has become more important than ever in ensuring that you are able to consistently deliver high-performing, reliable communication networks that won’t fail. With the demands on communication networks only expected to grow, having a reliable partner to help you protect your critical electrical systems is not only smart business; it’s a must!

Hoffman’s thermal management solutions, in addition to the Hoffman Electrical Enclosures, will give you the assurances needed to protect your sensitive communications equipment, even in the most extreme environments.

An unrivaled strategic partnership for the most responsive local service

For your global needs, Hoffman can offer standard, modified or custom cooling and enclosure solutions designed to your specifications. Working with Hoffman gives you the confidence of having the best integrated solution in the market so that you complete your project on time, at the best value.

Hoffman has integrated solutions for OSP

With Hoffman, you have the right partner to meet your needs. We offer the broadest selection of Cooling and Enclosure solutions in the market along with the best Service & Repair support.

Hoffman can help you meet every application challenge

• Standard Stock Solutions: large selection of standard off the shelf catalog solutions
• Modified Standard Stock Solutions: application solutions tailored from standard stock catalog solution platforms
• Unique Engineered Solutions: non-standard application solutions created to meet customer specifications

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HOFFMAN PROTECTS

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An unrivaled strategic partnership for the most responsive local service

Through partnership with Johnson-Northwest, Hoffman offers unsurpassed service presence and response from over 570 local service locations in North America with expertise that reaches worldwide.

- Factory-authorized expertise for Hoffman and McLean models and many competitor models
- Extensive reporting capabilities including up-to-date status monitoring
- In-stock availability for selected cooling parts
- 24/7/365 service availability

CAPABILITIES

For your global needs, Hoffman can offer standard, modified or custom cooling and enclosure solutions designed to your specifications. Working with Hoffman gives you the confidence of having the best integrated solution in the market so that you complete your project on time, at the best value.

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FIELD-PROVEN PROTECTION
HOFFMAN COOLING SOLUTIONS FOR CRITICAL APPLICATIONS

Protect your equipment from damaging heat with UL®-Certified cooling, heating, and climate control products for reliable equipment operation and longer life of protected components. We make energy efficient, maintenance-friendly products—all locally stocked and backed with one of the largest service organizations in the industry.

SEALED ENCLOSURE COOLING

THERMEOLECTRIC COOLERS
- No refrigerant or compressor
- 45, 90, and 180 Watts of cooling capacity
- Options with and without shroud
- UL Listed (some models UL Recognized)
- Aluminum housing
- Low temperatures, condensation, and corrosion
- 10-60 Watts heating performance range
- Compact footprint to minimize mounting space required
- Power inputs include 24V, 48V, 115V, and 230V

PHI/CONDUCTOR HEATERS
- Maintains a stable enclosure temperature
- No refrigerant or compressor
- Heating element PTC resistor
- Cooling capacities ranging from 14 W/°F – 83 W/°F
- Options with and without shroud
- UL Listed (some models UL Recognized)
- 60, 100, and 200 Watts of cooling capacity
- Shroud options
- Temperature limiting
- Fan-ready top with integral finger guard
- Power inputs include 24VDC, 48 VDC, 115 VAC and 230 VAC

FRESH AIR ENCLOSURE COOLING

DIRECT AIR COOLERS (DAC)
- Types 3R (115V) and Type 4 (230V) capable
- High flow optimized for air to air heat exchanger application
- Temperature controlled alarm
- Power Input: 48VDC

FILTER FANS
- Models from 19 to 60 in. wide
- IP 66 dust filter standard, IP 65 or 67 filter protection option for added protection against moisture infiltration
- Housing options include: knitted mesh, steel, or aluminum
- High air flow models with 400/460 VAC power input options

FAN TRAYS
- Enhances thermal connection airflow within a cabinet when installed with other PH1 or PH5 rack mounted equipment
- Fan trays available with either three or six fans
- Includes 75 to 1800Watt power with 400/460 VAC standard power cord
- Power cord plugs into standard 155 VAC outlet
- Lighted rocker switch provides on-off control and indicates when fans are on

BACK-MOUNTABLE BLINDERS
- 19-in. Rack Mountable
- Brushed Aluminum Grille
- IP 54 dust filter standard. IP55 Z-filter
- Filter options range from Hydrophobic to full mesh filters
- Temperature controlled with alarm
- Optional shroud maintains Type 12 or Type 3R enclosure rating
- Includes 72-in. (1829mm) power cord with IEC 320 standard power socket
- Optional integral top solar/drip shield
- Lighted rocker switch provides on-off control
- Fan-ready top with integral finger guard
- Power inputs: 24VDC, 48 VDC, 115V, and 230V

ACCESSORIES

BILLET THERMEOLECTRIC DEHUMIDIFIER
- Condensation resistant from extreme enclosure air and standing liquids
- Remote 8 ft. of moisture in 24 hours
- Operates on 24 volt DC power

DUAL THERMOSTAT
- Two Thermostats on one module controlling both heating and cooling systems
- Wide adjustable temperature range (50°F – 140°F)
- Thermostatic bimetallic sensor element

ELECTRONIC HYGROMETER
- Sensors and adjusts temperature and relative air humidity levels to maintain at set points
- LCD Liquid Crystal display
- 115/230 VAC Power Input

VENT DRAINS
- Brings accumulated water out of enclosures
- Air pressure equalizer helping to prevent water and standing liquids from entering enclosure
- Helps reduce corrosion of internal electrical and electronic components
- Maintains UL type rating (up to UL 4X) when properly installed

OUTSIDE PLANT (OSP) & NETWORKING ENCLOSURES

Hoffman has the manufacturing capabilities and capacity to deliver proven, tested and robust OSP enclosure solutions for any size deployment on any schedule. And the experience to ensure our enclosures provides years of operational integrity in the world’s most extreme environments.

COMLINE OSP PACKAGE, Type 4X
- Designed to meet Telcordia NEBS-GR-63-01 and 48D
- EIA 310-D with 19 in. spacing for rack equipment
- Meets BICSI TAMM, North Edition, Chapter 7, Telecommunication Enclosures (TE)
- Cabinets are ANSI compliant
- Solar shield helps keep enclosure interior cool when cabinet is installed outdoors and directs liquids away from cabinet top
- Fan-in-a-puzzle gasket that secures and protects sensitive equipment in outdoor applications

COMLINE, Type 4X
- Designed to meet Telcordia NEBS-GR-63-01 and 48D
- Lightweight, corrosion-resistant aluminum multi-mount enclosures provide long-lasting protection for housing electrical components in extreme outdoor environments
- Ideal for rooftop or tower-mounted telecommunications applications
- Fan-in-a-puzzle gasket

NET SERIES COMMUNICATION AND SERVER CABINETS
- Dors have key locking features that provide security for access only by authorized personnel
- General purpose enclosures are cabinet solution
- Fan-ready top with integral finger guard
- Test to UL60950-1 (1064 kg) without failure to meet the 1000 lb. (454 kg) rating

PROTEX
- 19-in. Rack Mountable
- Single- or double-sided models available in Type 34 stainless steel or mild steel
- Choose from standard door or optional window door, studio of 25 sq. inches resistant safety glass for visual monitoring
- Optional integral top solar/drip shield
- Premium seamless, foam-in-place gasket prevents contaminants from entering the cabinet
- Ideal for protecting remote 19 in. network equipment in corrosive environments

FTT/E ENCLOSURE
- NEMA Type 2, 30, 4, 4X, 12
- Available with single- or dual-access doors on front and rear for convenient access
- Seamless fan-in-place gasket seals doors against moisture and dust
- Available with or without battery compartment
- Cabinet top installation helps prevent the formation of condensation and reduce solar gain inside the cabinet
- Select standard models install integrated cooling solutions

FOR SPECIFIC PRODUCT INFORMATION GO TO: PENTAIRPROTECT.COM

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