



CONNECT AND PROTECT

Free-Stand Enclosures

Unibody, Universal Free-Stand and Global IEC Enclosures


nvent

HOFFMAN

TAKE YOU

nVent HOFFMAN enclosures are designed and built to meet the critical needs of our customers. Whether Unibody, Universal Free-Stand, or Global IEC, these robust enclosures defy dust, corrosive substances, temperature extremes, and the harmful effects of vibrations and shock. nVent HOFFMAN high-performance components and accessories are well suited for a multitude of applications.



UNIBODY FREE-STAND

UNIVERSAL FREE-STAND

FREE STAND, SINGLE OR DUAL ACCESS	HEAVY DUTY FREE STAND DISCONNECT	TWO-DOOR WITH FLOOR STANDS DISCONNECT,	ONE DOOR RIGHT SIDE OPEN	2 DOOR BOTH SIDES OPEN	ONE DOOR LEFT SIDE OPEN
mild steel stainless steel	mild steel stainless steel	mild steel stainless steel	mild steel stainless steel	mild steel stainless steel	mild steel stainless steel
Type 3R, 4, 4X, 12	Type 3R, 4, 4X, 12	Type 3R, 4, 4X, 12	IP 66 Type 3R, 4, 4X, 12 IK10	IP 66 Type 3R, 4, 4X, 12 IK10	IP 66 Type 3R, 4, 4X, 12 IK10
H: 60-90 in	H: 72-90 in	H: 60-72 in	H: 72-84 in	H: 72-84 in	H: 72-84 in
W: 24-72 in	W: 28-158 in	W: 49-73 in	W: 40-78 in	W: 40-78 in	W: 40-78 in
D: 18-36 in	D: 18-24 in	D: 12-18 in	D: 18-24 in	D: 18-24 in	D: 18-24 in

NEED	Unibody Free-Stand	Universal Free-Stand
Construction	Unibody	Semi-modular (Bayable with end plates)
Design Flexibility	Minimal	Moderate
NEMA	X	X
IEC		X
Bayable		X
Click In Technology		
3D Mounting		
Universal Type Rating		X

YOUR PICK!



IEC FREE-STAND

MODULAR SINGLE DOOR	MODULAR DOUBLE DOOR	MODULAR FLANGE MOUNT	MODULAR SINGLE DOOR
mild steel stainless steel	mild steel	mild steel	mild steel stainless steel
IP 55 TYPE 12, 13 IK 10	IP 55 TYPE 12, 13 IK 10	IP 55 TYPE 12, 13 IK 10	IP 66 TYPE 4, 4X, 12, 13 IK 10
H: 70.9 - 86.61 in W: 23.62 - 39.37 in D: 19.69 - 31.5 in	H: 70.87 - 86.61 in W: 47.24 - 62.99 in D: 19.69 - 23.62 in	H: 70.87 - 78.74 in W: 31.5 - 39.37 in D: 19.69 - 23.62 in	H: 78.74 in W: 31.5 in D: 23.62 in

IEC Free-Stand

Modular
Maximum
X
X
X
X
X

These solutions offer many options and choices for modification and bayable design while keeping things simple, helping you get the right solutions fast.

- Build in complex control schemes with ease
- Flexibility in accessories giving you options
- Easy modification

MATERIAL SELECTION

- Stainless Steel, Mild Steel, Aluminum, Non-Metallic and Plastic are all core to nVent HOFFMAN's product portfolio
- Ambient Temperature, Humidity, Direct and Indirect Chemical contact can help select the right enclosure material
- An easy to use selector tool, or ask the expert can be used to help you find the right material and enclosure



Scan the QR code to access nVent HOFFMAN's **Material Selection Tool**

Unibody Portfolio

Time-tested and proven enclosures you can trust!

The rugged, welded design of Unibody enclosures offer minimal assembly and basic modifications.

The simplest of nVent HOFFMAN's product offerings have years of success in the markets we service.

UNIBODY BENEFITS

01 EASY SELECTION

- Individual part numbers that deliver everything you need.
- Least complexity.
- Flexible modification and customization to meet your specifications.

02 BROAD APPLICATIONS

- Broad selection of product types, materials and configurations specifically designed for applications in Food & Beverage, Oil & Gas, Pharmaceutical and others.

03 ROBUST DESIGN

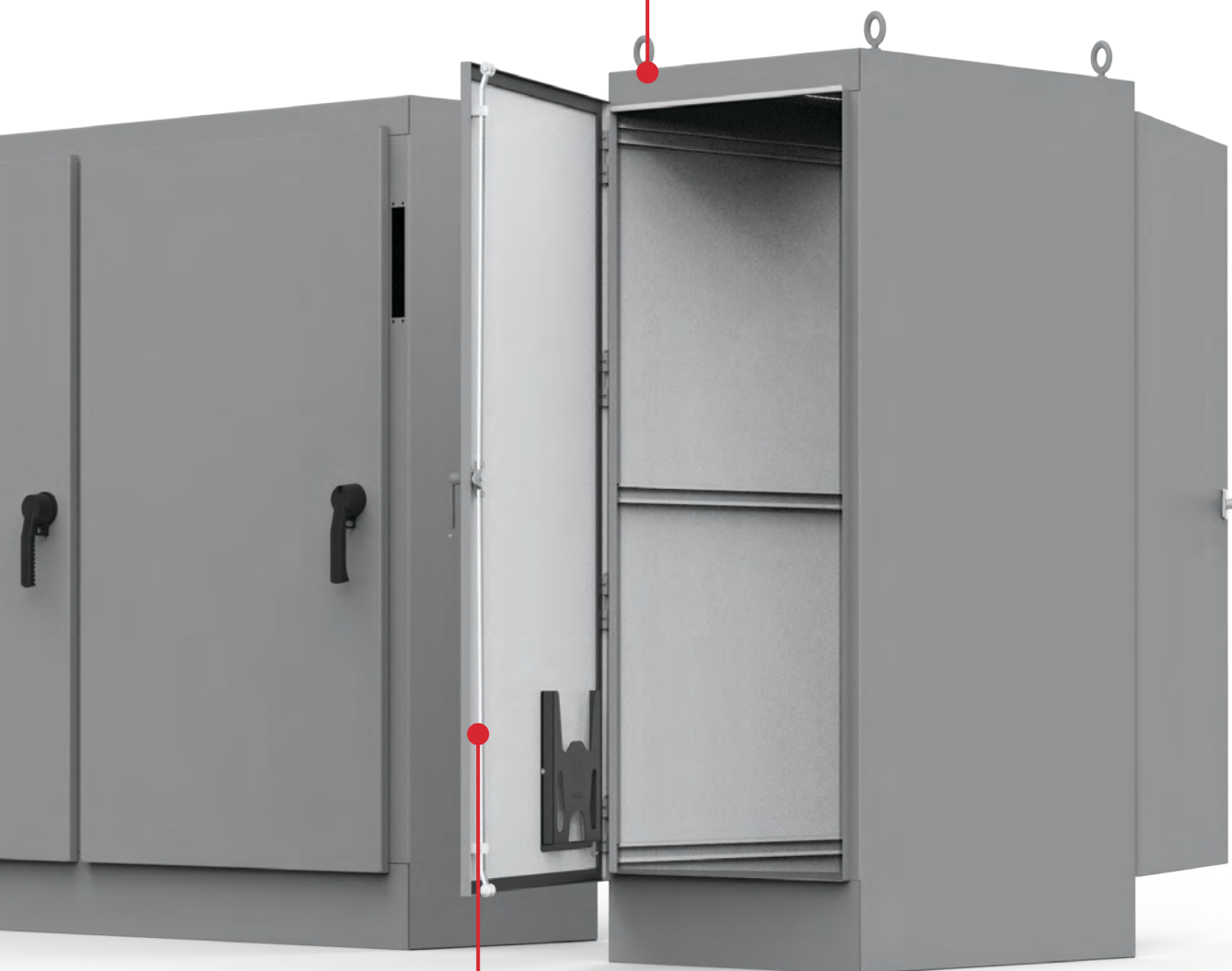
- Enclosures that meet global industry standards.
- Backed by global manufacturing and support for both local and multi-national customers.
- Heavy duty 3 point latching mechanism.

Concealed,
easy to
remove
hinges



Continuously
welded seams

**Heavy-duty
lifting eyes**



**3-Point
latching mechanism**

Universal Free-Stand Portfolio

Get to your next project faster!

Universal Free Stand enclosures speed design and modification with easy accessory choices for large Unibody enclosures.

These standard enclosures ship faster, modify & assemble faster and increase safety providing you and your customers more time.

UNIVERSAL FREE-STAND BENEFITS

01

FAST DESIGN & DELIVERY

- Reduce design time from days and weeks to hours and days
- Six (6) base Universal Type Rated part numbers provide for custom solutions from in-stock inventory
- Ships within 10 days through Factory or Local Express

02

REDUCE INSTALLATION & LABOR TIME

- Reduce panel installation time by up to 30%
- Robust Unibody design allows quick understanding & assembly

03

IMPROVED SAFETY

- Easily add voltage separation between bays
- Best-in-class interlock keeping high voltage bays shut
- Add Sequestr for complete safety solution

Side panel

Allows for additional component mounting space while maintaining type rating.



End plate

Allows for easy expansion and design flexibility (optional).



Interlock system

Removable center post & improved interlock

Barrier Panel

Separates voltages improving safety.

Jack screws

Jack screws for easy center post installation

False Floor

It provides clean aesthetics and protects cable runs.

Global IEC Portfolio

Redefine simplicity when assembling & ordering.

nVent HOFFMAN's Global IEC Modular Floor Standing enclosures. Accelerate the design and installation process through interchangeable accessories and tool - free assembly. Streamline ordering with a single global part number.

IEC BENEFITS

01

FAST ASSEMBLY

- Reduce assembly time of joined enclosures by 12 minutes with patented tool - free, Click-In Technology
- Simplify specification, ordering, and stocking of accessories with full compatibility across floor standing enclosure families

02

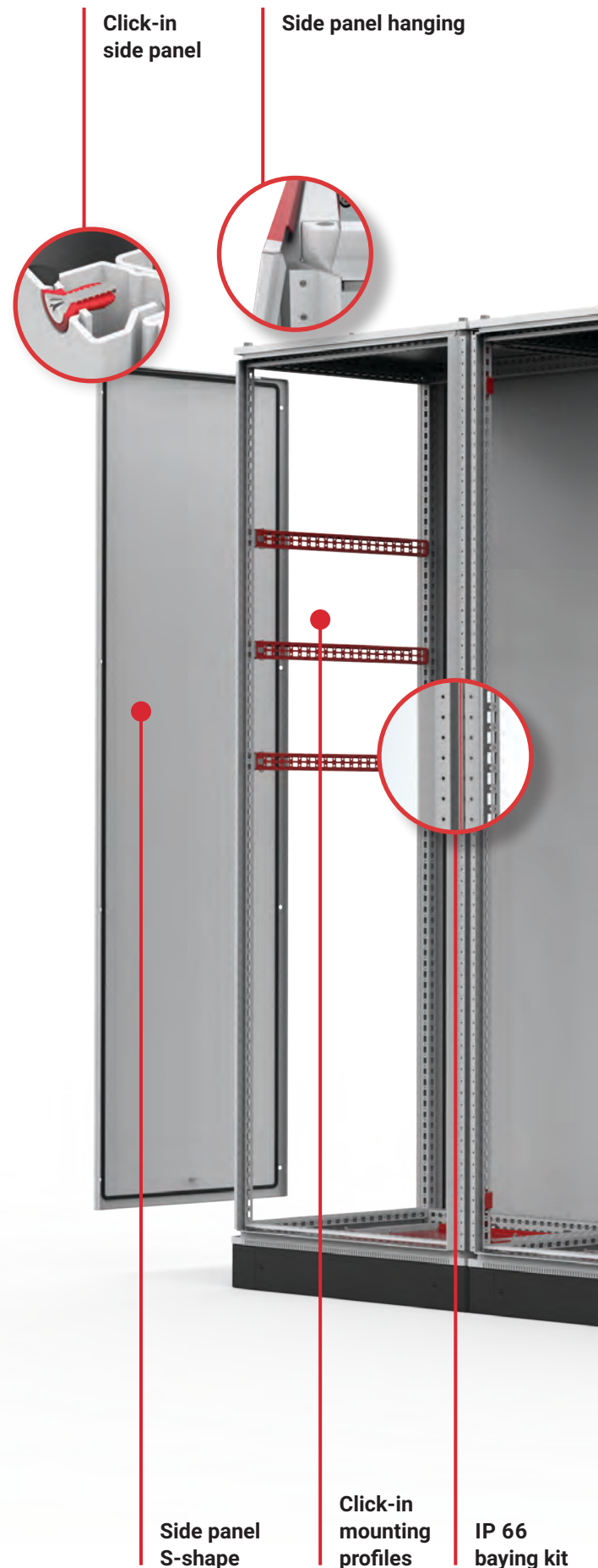
OPTIMUM PROTECTION

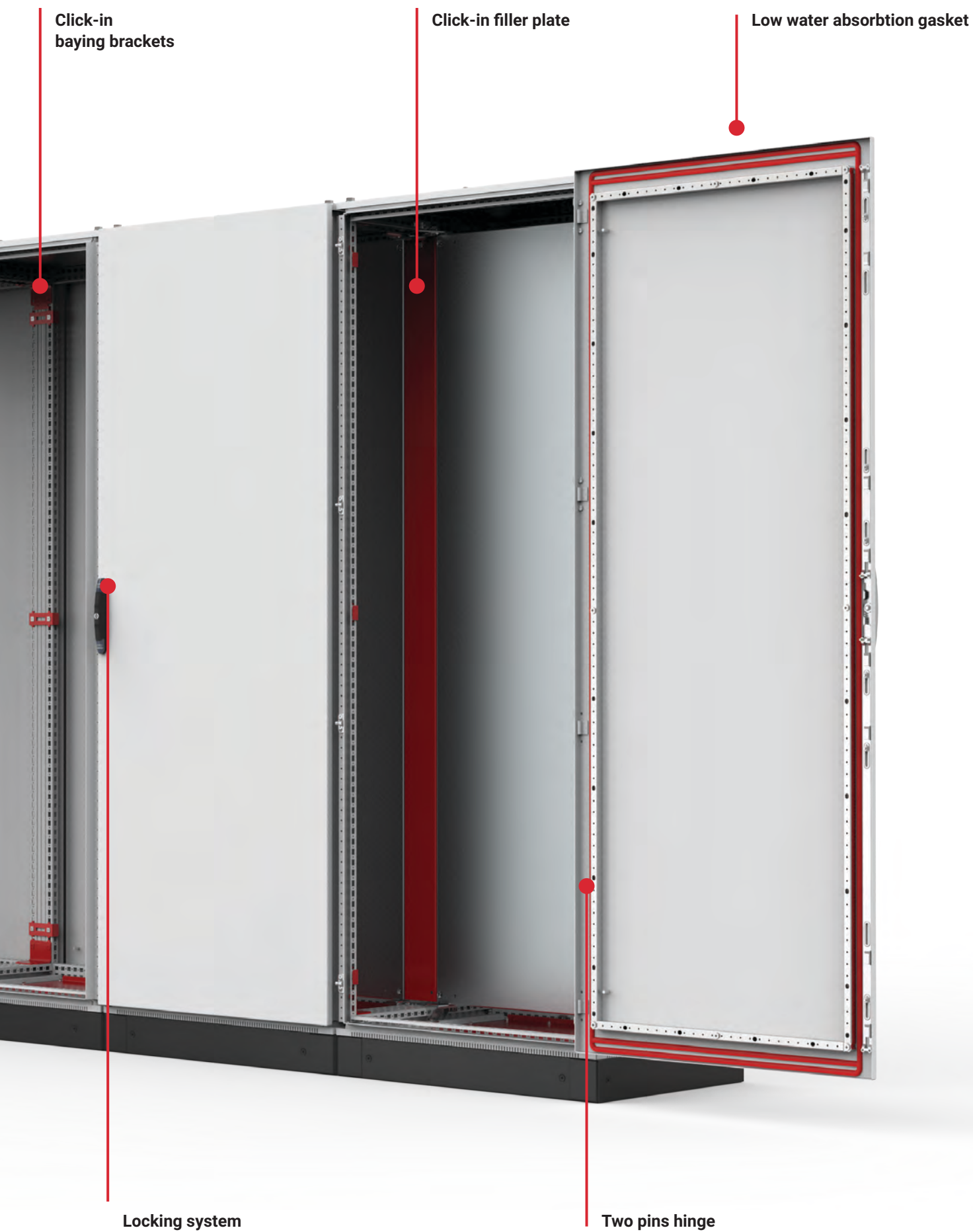
- Enhance the digital experience with multiple drawing formats to fit almost any design platform
- Simplify the ordering process by exceeding global standards and employing universal part numbers

03

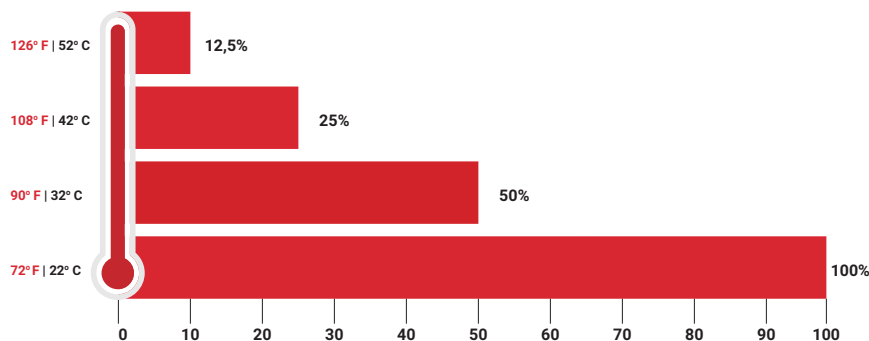
APPEALING DESIGN

- Global footprint to service customers' needs across the world
- Local support and modifications from more than 20 of nVent HOFFMAN's Certified Modification Centers





Why Use Cooling?



Scan the QR code to access nVent HOFFMAN's Cooling Selection Tool

SOURCES OF DAMAGING HEAT

Heat can be generated internally by electronic components and intensified by external sources. Inside a cabinet, uncooled components can generate as much trapped heat as a home furnace

- AC power supplies
- Controllers, drives and servos
- Transformers and rectifiers
- Processors and server racks
- Radio equipment

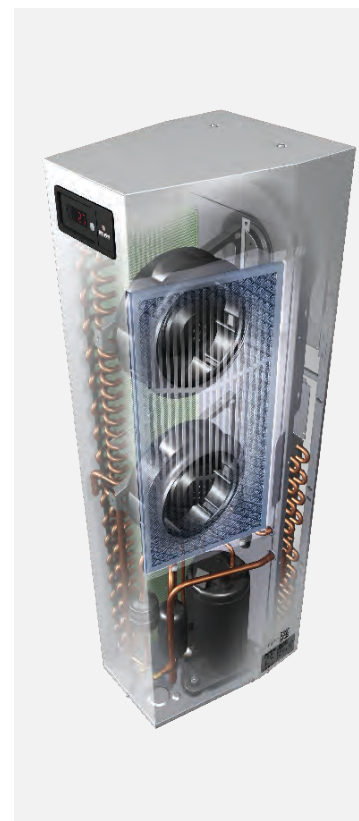
Heat is also generated from sources outside the enclosure such as

- Solar heat gain
- High ambient temperature
- Welding processes
- Paint oven
- Blast furnace
- Foundry equipment

CONSEQUENCES OF HEAT

Heat build-up can adversely affect industrial controls creating the potential for

- De-rated drive performance
- Intermittent fluctuations in I/C-based devices
- MTBF decreases exponentially
- Catastrophic component failure
- Warranty revocation
- Component replacement costs
- Late shipments
- Customer dissatisfaction
- Lost revenue
- Service outages
- Hours of factory downtime



SpectraCool Air Conditioners are available in multiple configurations to fit a broad range of cooling capacities, power input, and mounting options.



Key Markets

- Energy and Power Generation
- Petro-Chem
- Water, Waste Water
- Automotive
- Machine Tool
- HVAC
- Utilities
- Rail
- Food & Beverage
- Oil & Gas



Applications

nVent HOFFMAN enclosures are designed and built to meet the critical needs of industry, from machine building and automotive manufacturing to food and beverage production and packaging.

- Industrial automation controls (PLC, VFD)
- Process Controls (DCS, SCADA, Safety)
- Networking in industrial environments
- Electrical panels
- Equipment protection
- Power distribution
- HMI Controls
- HVAC



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Our powerful portfolio of brands:

CADDY ERICO HOFFMAN RAYCHEM SCHROFF TRACER



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