PENTAIR

Hoffman®
SPECTRACOOL™
AIR CONDITIONERS

DESIGN WITH CONFIDENCE™

PENTAIR EQUIPMENT PROTECTION | MCLEAN® IS NOW HOFFMAN® COOLING

HOFFMAN SPECTRACOOL
INDOOR/OUTDOOR AIR CONDITIONERS

ENERGY-EFFICIENT, FILTERLESS AIR CONDITIONERS NOW AVAILABLE WITH EtherNet/IP™

Hoffman® SpectraCool™ Air Conditioners deliver reliable enclosure cooling in demanding environments, including industrial automation, telecommunications, waste water treatment, material handling, security and defense systems, and more. SpectraCool Air Conditioners feature a new, filterless design that reduces clogging, which can lead to costly and time-consuming system failures. With its energy-efficient compressor and new earth-friendly refrigerant, SpectraCool Air Conditioners are available in three configurations that offer a broad range of cooling capacities, power input, and mounting options for your most critical enclosure cooling applications.

HOFFMAN SPECTRACOOL SERIES FEATURES

- A wide range of cooling capacities for indoor, outdoor, and harsh environments
- Available in standard, narrow and compact models
- Energy-efficient compressors that deliver up to 23 percent greater energy efficiency
- Quiet 68 dB operation
- Wide outdoor operating temperatures: -40 F/-40 C to 131 F/55 C
- Dust-resistant coil design supports filterless operation in most environments
- 115, 230 or 400/460 3-phase VAC power input options with terminal block power connection for easy installation
- Integrated active condensate evaporator with heater strip
- Thermal expansion valve controls refrigerant flow according to load changes on the evaporator
- Clean, aesthetic design adds value to system appearance
- R134a and R407c earth-friendly refrigerant
- Telcordia GR-487 capable
- Built-in easy-mount flanges for simple installation
- Hoffman Easy Swap™ Adaptor Plenums available for easy replacement of older air conditioners without modifying cut-out
- Optional Hoffman SpectraCool Remote Access Control option for PC monitoring and control of multiple SpectraCool units

Type 12/3R/4   RoHS

STANDARD SERIES
Indoor/Outdoor
4,000 - 20,000 BTUs/Hr

NARROW SERIES
Indoor/Outdoor
4,000 - 11,000 BTUs/Hr

A Rugged, all-metal shroud for demanding factory and outdoor environments

B Easy-to-access metal filter removes for filterless operation

C Dual condenser-side impellers for performance redundancy (G52, G57 and N43 models only)

D R134a and R407c compressor provides greater energy efficiency and environmental friendliness

E UL Listed, saving customers time and money by having agency approvals

F Narrow bevel design with works with wall mount enclosures and accommodates 12-in. (300 mm) deep cabinets

G QR Code links directly to service information

Hoffman®

HOFFMAN SPECTRACOOL
STANDARD INDOOR/OUTDOOR SERIES

HOFFMAN SPECTRACOOL NARROW
INDOOR/OUTDOOR SERIES

G28 INDOOR/OUTDOOR	**G52 INDOOR/OUTDOOR**	**G57 INDOOR/OUTDOOR**
4,000 & 6,000 BTUs/Hr	8,000 & 12,000 BTUs/Hr	20,000 BTUs/Hr
1,172 & 1,758 Watts	2,300 & 3,500 Watts	5,900 Watts

N28 INDOOR/OUTDOOR	**N36 INDOOR/OUTDOOR**	**N43 INDOOR/OUTDOOR**
4,000 BTUs/Hr	6,000 & 8,000 BTUs/Hr	11,000 BTUs/Hr
1,172 Watts	1,758 & 2,344 Watts	3,223 Watts

STANDARD SIZE UNITS OFFERING THE MOST COOLING CAPACITY WITH GREATER ENERGY EFFICIENCY

SpectraCool Standard Series Air Conditioners are designed for robust cooling performance in demanding indoor and harsh outdoor environments. Rotary compressors provide more energy efficiency than reciprocating compressors, and allow quick re-start under pressure without causing damage. Dual impellers on G52 and G57 units pull air into the front of the unit and direct the air upwards in a 90-degree angle for the most direct air path while providing redundancy.

FEATURES
- 4,000 to 20,000 BTUs/Hr of cooling
- Lightweight design; 30 lb. (14 kg)
- Indoor and outdoor models
- Dust-and corrosion-resistant components for trouble-free operation in the most demanding environments

THE LOW-PROFILE AIR CONDITIONER THAT OFFERS HIGH LEVELS OF COOLING PERFORMANCE

Engineered with the same features of the Standard Series, SpectraCool Narrow Air Conditioners provide a space-saving cooling solution to fit shallow-depth enclosures. Low-profile Narrow models are designed to fit on 12-in. (300 mm) deep floor- and wall-mount enclosures, facilitating essential cooling for critical electronics in a wider range of indoor and outdoor enclosure, and cabinet applications.

FEATURES
- Higher capacity with a smaller footprint: 11.5-in. (291 mm) width
- 28, 36 and 43-in. units provide 4,000 to 11,000 BTUs/Hr of cooling
- Centrally mounted thermostat avoids interference with back panels
- Beveled design works with wall-mount enclosures for maximum efficiency in applications with limited airflow

Ambient Air Flow   Clean Air Flow

Ambient Air Flow   Clean Air Flow
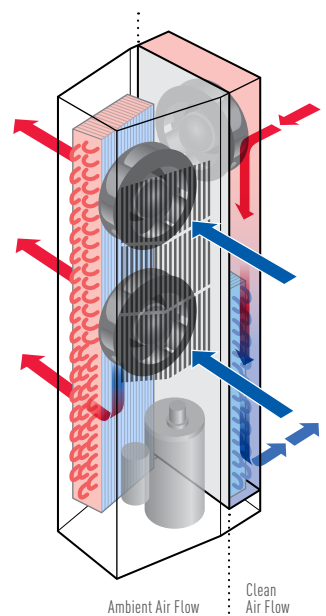
HOFFMAN SPECTRACOOL COMPACT INDOOR SERIES

HOFFMAN SPECTRACOOL REMOTE ACCESS CONTROL

N17 COMPACT INDOOR
1,000 and 2,000 BTUs/Hr
293 and 585 Watts

N17 COMPACT INDOOR
Additional height
for 460 VAC units

**REMOTE COOLING MANAGEMENT SOLUTION
VIA USB OR ETHERNET USING SNMP OR EtherNet/IP™**

A COMPACT COOLING SOLUTION FOR ISOLATED COOLING DEMANDS

Designed to fit smaller enclosures for Type 12 indoor cooling applications, SpectraCool Compact Series Air Conditioners offer vital cooling in a reduced footprint. SpectraCool Compact models also feature a built-in active condensate evaporator and a power-off relay for a door switch to prevent condensation from dripping on the floor and in the enclosure.

FEATURES

- 1,000 to 2,000 BTUs/Hr of cooling
- 17-in. tall x 12-in. wide footprint fits shallow-depth enclosures
- Available in 115, 230 and 460 1-phase VAC power inputs
- Terminal block power connection for easy installation

MONITOR AND MANAGE THE HEALTH OF COOLING SYSTEM-WIDE FROM YOUR PC

Hoffman SpectraCool Remote Access Control is a parametric controller designed for monitoring and management of an entire network of SpectraCool air conditioners. Available as a factory-installed option integrated with select SpectraCool models, Remote Access Control offers communications capabilities to interface with, monitor, and control the operation of the units remotely from your personal computer via USB using Modbus, or Ethernet using SNMP or EtherNet/IP.

FEATURES

- Direct pushbutton control and display indication of program variables, temperature, and enabled functions including cooling, heating, alarms, compressor, ambient fan, and controller
- Integrated 3-digit alphanumeric display provides status codes and at-a-glace display of cabinet temperature
- Pre-programmed with heating and cooling setpoints that are easily adjusted to changing needs
- Seven non-latching alarm conditions including door open, smoke detection, high pressure, air inlet and outlet temperature sensors, low temperature, high temperature, and frost
- Free PC interface tool software assigns a unique IP address to each SpectraCool unit equipped with Remote Access Control, allowing system-wide management of multiple units

HOFFMAN EASY SWAP
ADAPTOR PLENUMS

A BOLT-ON UPGRADE SOLUTION FROM OLDER A/C UNITS TO A NEW SPECTRACOOL AIR CONDITIONER

When existing air conditioners are damaged or have reached end-of-life, Hoffman Easy Swap™ Adaptor Plenums provide a quick and easy means for attaching a state-of-the-art Hoffman SpectraCool air conditioner to the existing enclosure cut-out with no further modifications needed. Upgrade to the latest in maintenance-friendly cooling technology with filterless operation, active condensate management, and optional network connectivity in a fraction of the time and expense of retrofitting.

DOWNLOAD THE EASY SWAP APP TO YOUR MOBILE DEVICE TO EASILY IDENTIFY YOUR REPLACEMENT AIR CONDITIONER

Easy Swap

FEATURES
- Upgrade easily to a high-efficiency Hoffman SpectraCool solution from older McLean® Genesis™ units and A/C models from other manufacturers
- No modification of the enclosure required – Easy Swap Adaptor Plenums are engineered to match the cut-out of the air conditioner being replaced
- Plenum design allows for optimum air flow versus a flat plate that can block the air intake and air outtake left by the older air conditioner
- Consolidate A/C models and parts; save by reducing inventories and suppliers
- Eliminate downtime required to modify or cut existing cut-outs for unit upgrades
- Local availability
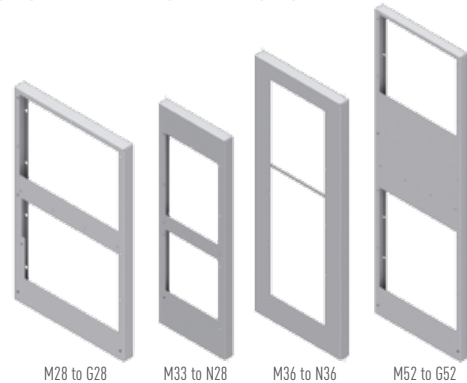- Responsive aftermarket service
- Rated NEMA 12, IP54
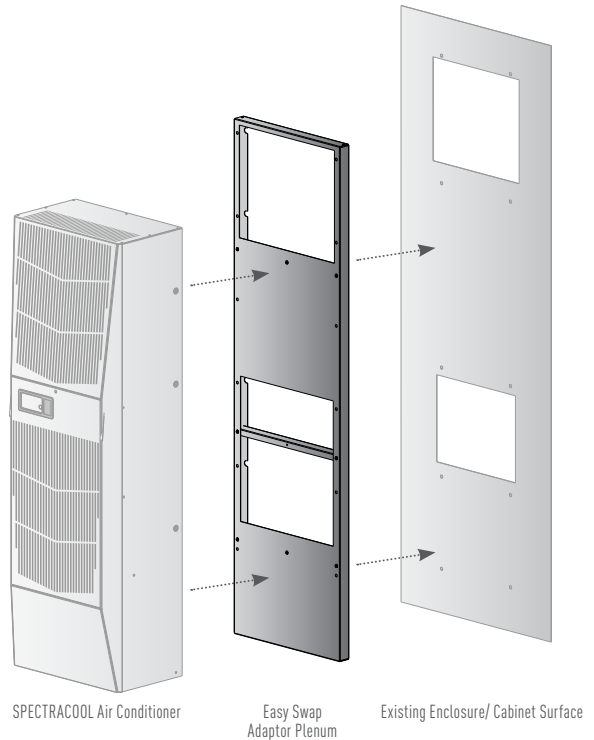
SPECTRACOOL Air Conditioner   Easy Swap Adaptor Plenum   Existing Enclosure/ Cabinet Surface
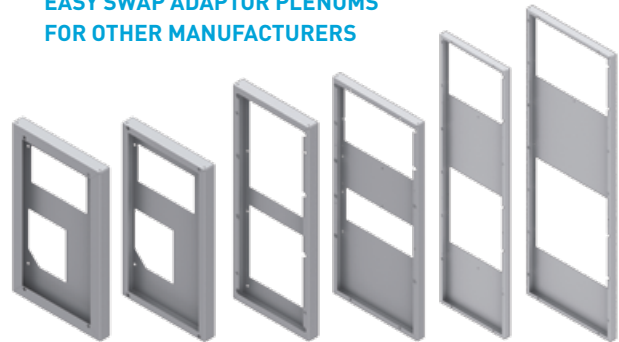
EASY SWAP ADAPTOR PLENUMS

M28 to G28   M33 to N28   M36 to N36   M52 to G52

EASY SWAP ADAPTOR PLENUMS FOR OTHER MANUFACTURERS

SKARPNÄCK

MOSCOW

HEMEL HEMPSTEAD

WARSAW

STRAUBENHARDT

MINNEAPOLIS

TORONTO

BETSCHDORF

WARWICK

PREGNANA MILANESE

SHIN-YOKOHAMA

QINGDAO

SAN DIEGO

MT. STERLING

ISTANBUL

SHANGHAI

REYNOSA

DUBAI

MEXICO D.F.

BANGALORE

SINGAPORE

BOITUVA

SÃO PAULO

FOR MORE INFORMATION AND TO CONTACT US, GO TO: HOFFMANONLINE.COM

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