



Skyline™
Outdoor
Air Handler

Engineered for flexibility and performance™



McQuay Skyline Outdoor Air Handler

Maximum Flexibility to Design Your Optimum Air Handling System



Whether you are a consulting engineer, contractor or building owner, a McQuay Skyline outdoor air handler can make it easy to achieve your project's air handling objectives. Our patented product platform gives you flexibility to build the exact air handling system to meet your project's requirements for indoor air quality, operating efficiency, and low cost installation and maintenance.

The McQuay Skyline Air Handler's unique, custom-modular platform and Variable Dimensioning™ design allows you to mix and match factory option components to configure the optimal air handling system for your application. And it's easy to design and specify what you want with our user-friendly, Windows®-based McQuay SelectTools™ selection software.



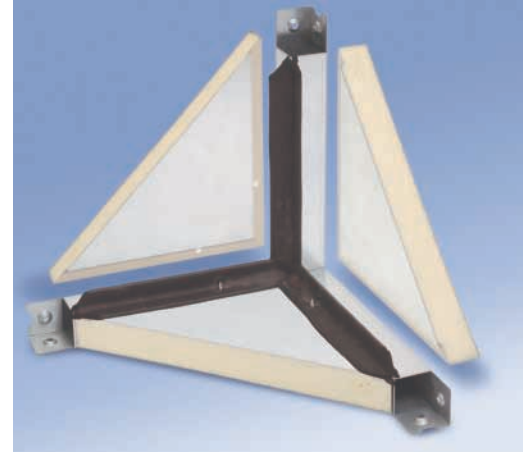


Quality Construction

For Low Operating Costs, Superior Indoor Air Quality and Long Life

Quality construction makes Skyline units both airtight and weathertight. Our patented, gasketed frame channel, double-wall, injected-foam panels and cross-broken top panels are just a few features that help keep conditioned air inside the cabinet and Mother Nature outside. The result is lower operating costs and superior indoor air quality (IAQ) over years of reliable service.

Over 60 years of research, testing and innovation by McQuay have combined to bring you flexible air handling systems with outstanding performance and cost-efficiency. With McQuay, you can expect value — from easy design and specification, to efficient installation and operation and low cost maintenance for the life of your Skyline unit. For help with your air handling needs, see your local McQuay representative or visit www.mcquay.com.



Gasketed frame channels and removable, double-wall injected-foam panels provide superior strength, low air leakage and high IAQ.



High-quality construction promotes low operating costs, superior IAQ and long life.



The Skyline Advantage

Flexibility

- Custom modular platform allows custom component selection and configuration to meet your requirements.
- Variable Dimensioning™ design allows multiple profiles (height and width) per model size to meet installation or aesthetic requirements.
- Multiple coil face areas per model size allow you to closely match performance and capacity requirements.

Indoor Air Quality

- Patented, gasketed, frame-channel construction helps minimize unfiltered air leaks, cold bridging and condensate.
- Double-sloped, microbial-resistant, galvanized or stainless steel drain pan helps eliminate standing water and inhibits bacteria growth.
- Multiple filter types give full range of filter efficiencies, final filter arrangements and filter section depth flexibility.
- Double-wall construction reduces potential for accumulating dirt and microbial growth, promotes long life.

Operating Efficiency

- Multiple fan selections result in lowest possible BHP requirements.
- Patented UltraSeal™ dampers maximize efficiency, reduce costs.



Multiple fan selections



Piping vestibule, extended connections

Easy, Low Cost Installation

- Heavy-duty lifting lugs on all corners for easy rigging.
- Optional piping vestibule in variable depths to match requirements.
- Optional factory roof curb and separate pipe chase designed specifically for your unit and height requirements.
- All connections extend through cabinet with gasketed airseal to save installation time and cost.
- Fan system factory tested and balanced to save installation time.
- Factory-installed motor control.

Easy Maintenance and Serviceability

- Hinged access doors with full grip handles or removable access panels make it fast and easy to perform inspections, cleaning or service.
- Extended fan bearing lube lines make lubricating the fan system easier.
- Extended coil drain connections reduce coil maintenance time.

Durability for Long Life

- Cross-broken top panels and "C" cap over seams eliminate standing water.
- Drip shield on all sides and over doors directs water away from cabinet.
- Pre-painted cabinetry resists corrosion for long life.
- R-13 injected-foam panels provide superior strength, improve operating efficiency and reduce unit weight.



Intake and exhaust hoods



Skyline's Customized Options

Use the Skyline unit as a product platform on which to build the ideal outdoor air handler for your specific application. Customized options include:

- Variable Dimensioning design (height and width) for cabinet sizing in 2" increments
- Multiple coil face areas per unit size
- Multiple section depths
- Curb-ready base
- Variable-height roof curbs with separate pipe chase (16", 20", 24" or 30")
- Variable-depth piping vestibules
- Various casing and drain pan materials
- Mixing boxes/economizers
- Sound attenuators
- Multiple fan selections including forward-curved, airfoil, inline, belt or direct drive plenum fans and twin fans (two forward curved fans on one shaft)
- Filters (flat, angular, bag and cartridge) available in side-loading and/or front-loading configurations
- Hinged access doors with full-grip handles
- Doors, marine lights and receptacles
- Manual selections to accommodate special components
- Ultraviolet lights to meet GSA standards
- Humidifier manifold
- IBC seismic certification
- Disconnect switches: fused, non-fused, and circuit breaker
- Variable frequency drives: McQuay, ABB, and Danfoss
- Starters: IEC and NEMA
- Miami-Dade County Hurricane Certification, NOA# 07.1003.03



Multiple filter types



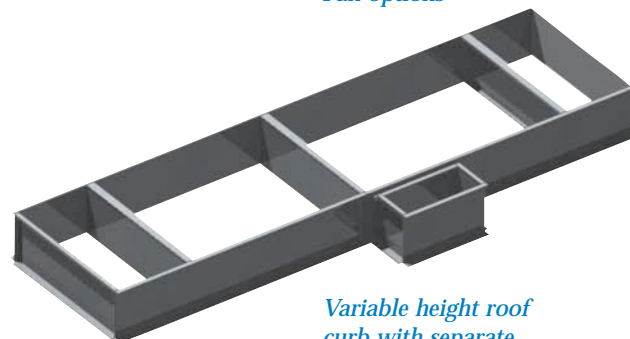
Lights and receptacles



Fan options



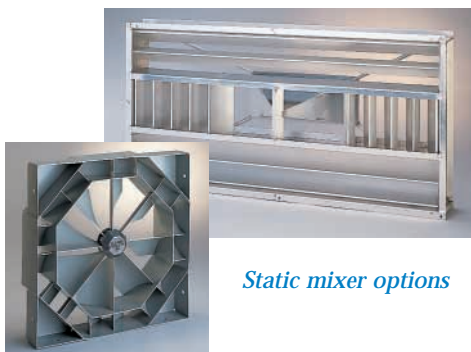
Sound attenuators



Variable height roof curb with separate pipe chase



VFDs and disconnects



Static mixer options

Skyline's Unique Standard Features

3 to 92 ft² Coil Face Area, 900 to 65,000 CFM

Custom-Modular Design

- Allows custom selection and configuration of components to meet performance requirements



Double-Wall Construction

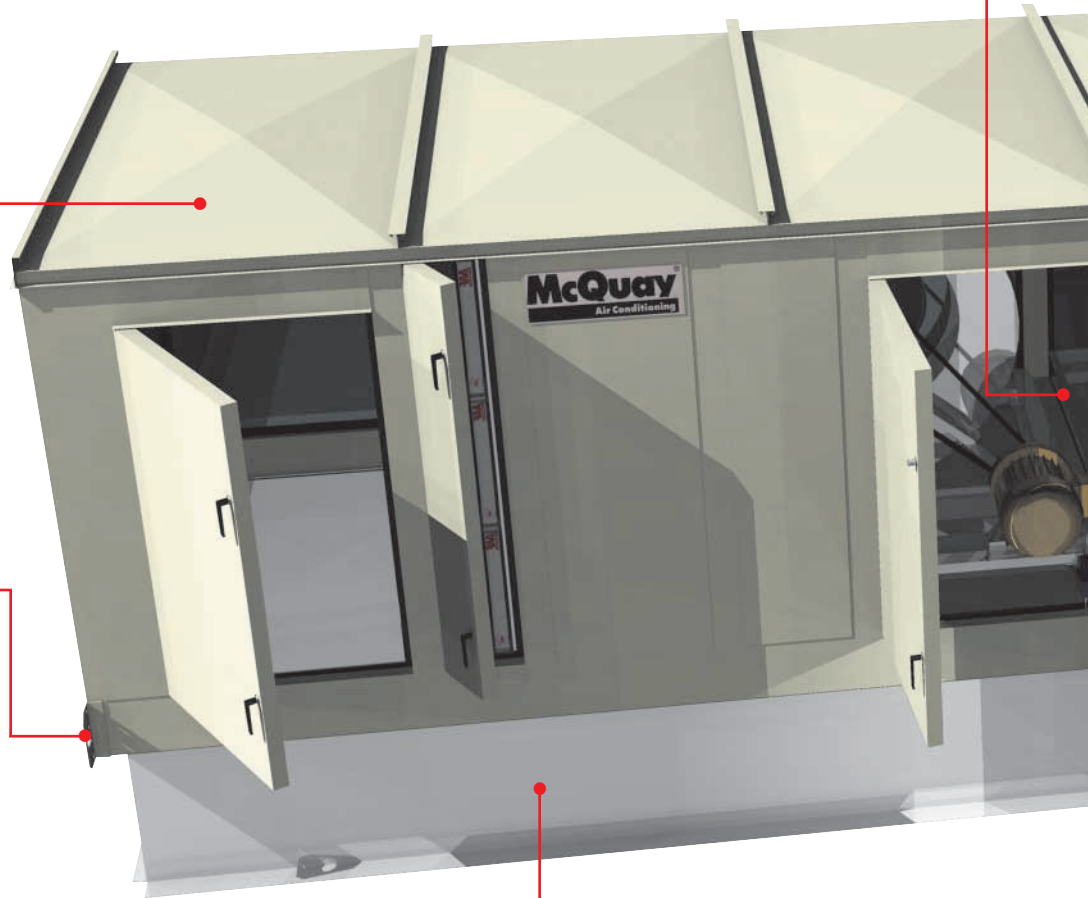
- Reduces dirt accumulation
- Facilitates cleaning
- Protects insulation
- Improves IAQ

Durable, Weathertight Cabinet

- Cross-broken top panels eliminate standing water
- Standing "C" cap over seams provides a watertight seal
- Drip shield on all sides and over doors
- Pre-painted frames and panels
- Stainless steel liners option
- R-13 injected-foam insulation

Heavy-Duty Base Rail

- Standard base rail in varying heights (4" to 12") or curb-ready design forms weathertight seal on roof curb
- Lifting lugs on all four corners facilitate easy rigging



Factory Supplied Roof Curb (Optional)

- Designed specifically to match custom-modular design flexibility
- Variable heights (16" to 30") to meet installation requirements



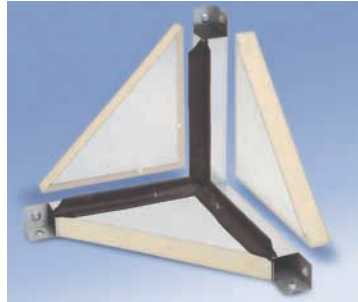
MEA IBC 2000, 2003

342-99-E



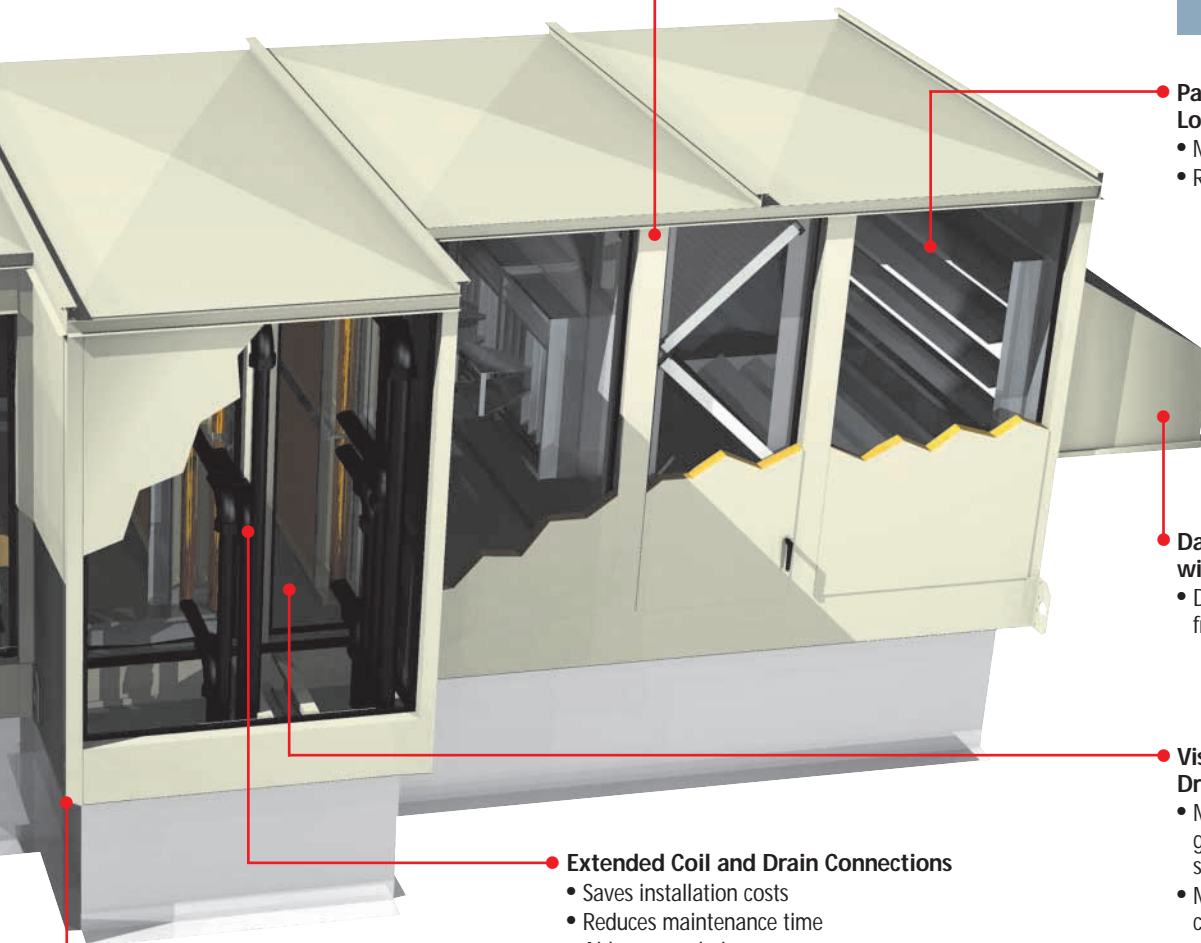
Patented Gasketed Frame Channels & R-13 Foam-Injected Panels

- Eliminates metal-to-metal contact between paneling and framework to minimize air leakage
- Provides superior strength
- Promotes high IAQ and long life



Patented UltraSeal Low Leak Dampers

- Maximizes operating efficiency
- Reduces operating costs



Damper Hoods (Optional) with Screens

- Direct rain, snow and debris away from required openings

Visible Double-Sloped Drain Pan

- Microbial-resistant coated galvanized or optional stainless steel to inhibit bacteria growth
- Makes inspection and cleaning easier
- Improves IAQ

Extended Coil and Drain Connections

- Saves installation costs
- Reduces maintenance time
- Aids proper drainage

Piping Vestibule (Optional)

- Encloses piping and controls within unit cabinet
- Variable depths to meet your piping requirements



Air Handler Products



*Destiny™ Indoor Air Handler
(600 to 15,000 cfm)*



*RoofPak™ Rooftop Air Handler
(4000 to 50,000 cfm)*



*Vision™ Customized Indoor Air Handler
(900 to 100,000 cfm)*



*Fan Coils
(200 to 3000 cfm)
vertical, horizontal, vertical stacking, large capacity, unit heaters, cabinet unit heaters*



*Skyline™ Outdoor Air Handler
(900 to 65,000 cfm)*



*Coils
water and evaporator cooling coils, water heating coils, steam coils, booster coils*

McQuay International delivers engineered, flexible solutions for commercial, industrial and institutional HVAC requirements with reliable products, knowledgeable applications expertise and responsive support.

For more information or the name of your local McQuay representative, call 1-800-432-1342 or visit www.mcquay.com

Products manufactured in an ISO certified facility.

McQuay[®]
International
a member of **DAIKIN** group

(800) 432-1342
www.mcquay.com

© 2010 McQuay International
A/SP 31-178 (08/10)