



CUSTOM HVAC EQUIPMENT SECURITY CAGES

HVAC SECURITY CAGES

Custom fabricated steel security cages for condensers, package units, mini split condensers, air handlers, and exposed HVAC equipment.

- Built to unit specifications or released dimensions, with typical 2" clearance around the equipment for airflow and service access.
- Standard construction uses 1-1/2" steel angle frame with 3/4" #13 expanded metal infill, mounting plates, and lock boxes.
- Usually built as a removable cage assembly; access panels or doors can be fabricated when required.

FRAME	1-1/2" steel angle
INFILL	3/4" #13 expanded metal
FINISH	Black painted steel

CONSTRUCTION STANDARD

Application	Security cages for package units, condensers, mini split condensers, air handlers, and exposed HVAC equipment that needs physical protection.
Frame	1-1/2" steel angle frame construction is standard, fabricated to unit specifications or released field dimensions.
Infill	3/4" #13 expanded metal is standard for cage panels unless another screen, mesh, or opening requirement is quoted.
Mounting plates	1/8" steel mounting plates and lock boxes are included as part of the fabricated cage design.
Clearance	Typical design allows 2" clearance around the unit and a 6" x 6" opening for line-set routing unless project requirements differ.
Finish	Black painted steel is standard. Custom paint colors and powder coating are available when quoted.
Quality check	Security cages receive visual inspection before release. Padlocks, anchors, hardware, installation, and security rating are by others unless quoted.

BUILD QUALITY



Made to spec

Built to unit dimensions, clearance, and line-set layout.



Built tough

Welded steel angle and expanded metal construction.



Quality checked

Cages receive visual inspection before release.



Service aware

Removable cages or access panels can be quoted.

FABRICATION CAPABILITIES

Cage assemblies	Security cages for package units, condensers, mini split condensers, air handlers, and exposed exterior HVAC equipment.
Panel construction	Angle frame panels with expanded metal infill, removable sections, access panels, doors, and lock-box details when quoted.
Unit clearance	Typical 2" equipment clearance, line-set openings, service clearances, and airflow considerations can be coordinated before release.
Mounting details	1/8" mounting plates, base plates, lock boxes, tabs, and drilled mounting locations can be fabricated when shown.
Finish options	Black paint standard; custom colors and powder coating available when quoted.
Release support	Built from unit specifications, released dimensions, sketches, field measurements, or drawing packages.

BUILD OPTIONS

Removable cage

Typical construction allows the full cage to be removed for service when unlocked and unfastened.

Access doors

Access panels or lockable doors can be fabricated where regular service access is required.

Line-set opening

Typical 6" x 6" opening can be provided for line-set routing unless another layout is specified.

Finish options

Black paint is standard; custom colors and powder coating are available when quoted.

CAGE OPTIONS



CONDENSER

Outdoor units

Custom cages for standard condenser equipment.



MINI SPLIT

Small units

Compact cages for mini split condenser protection.



PACKAGE

Package units

Larger cages for package units and special equipment layouts.



AIR HANDLER

Equipment protection

Cages can be built around exposed air handlers where specified.

OPTIONAL ACCESSORIES

Access panels

Removable panels, service doors, lockable doors, and custom access openings.

Finish upgrade

Custom colors and powder coating available when quoted.

Mounting plates

1/8" plates, base tabs, lock boxes, and drilled locations as shown.

Custom details

Labels, piece marks, shipping splits, special clearances, and project-specific layouts.

REQUIRED FOR QUOTE / RELEASE

✓ Unit make/model or released unit dimensions, including width, depth, height, and service clearance requirements.

✓ Pad or slab dimensions, mounting surface, line-set location, electrical disconnect location, and required 6" x 6" line-set opening or alternate layout.

✓ Cage style: full removable cage, access panels, doors, lock boxes, mounting plates, and expanded metal requirements.

✓ Finish color, powder coating requirement, quantity, piece marks, and shipping or handling requirements.

✓ Field photos, sketches, or verified dimensions showing obstructions, wall clearances, and installation conditions.

APPLICATIONS & DETAILS



APPLICATION DETAIL

Built to unit dimensions



Cages are fabricated from released equipment dimensions with service clearance, mounting plate locations, and line-set openings coordinated before release. Panel layout can account for controls, disconnects, piping, maintenance zones, and the surrounding installation condition.

APPLICATION DETAIL

Removable protection



Typical cages are removable for maintenance. Access panels, hinged or lift-off doors, lock boxes, tamper-resistant hardware, and custom mounting details can be added when specified.



APPLICATION DETAIL

Finish and scope



Black painted steel is standard; custom colors and powder coating are available. Confirm finish, exposed environment, base or wall attachment, included hardware, and any appearance requirements before fabrication.

NOT INCLUDED UNLESS QUOTED

- Installation, anchoring, field drilling, field welding, equipment relocation, concrete work, or site modifications.
- Padlocks, anchors, fasteners, mounting hardware, security rating, permits, inspections, AHJ approval, or listed-system certification.
- Field measuring, equipment warranty acceptance, airflow approval, service access approval, or rework from changed release dimensions unless quoted.

SCOPE & RESPONSIBILITY

Code note: HVAC security cages may be governed by equipment clearances, service access requirements, airflow requirements, project specifications, local code, property requirements, and AHJ direction. Empire fabricates cages to released dimensions and quoted scope; final equipment clearance, ventilation, service access, anchorage, installation method, security requirement, and field acceptance remain the responsibility of others unless expressly included.

READY TO QUOTE?



Let's get your project moving.

Send drawings, sketches, photos, or field measurements. Empire is ready to go to work for you.

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