

Specification Guide

Service Coils



Nomenclature

| | | S | 24 | R | 145 | | |
|--|--|----------|-----------|----------|------------|---|----------------|
| Product Line S = Service Coil | | | | | | Width / Height | |
| | | | | | | Cased | Uncased |
| Nominal MBTUH | | | | | | 145 = 14.5" | 130 = 13.0" |
| | | | | | | 175 = 17.5" | 140 = 14.0" |
| | | | | | | 210 = 21.0" | 155 = 15.5" |
| | | | | | | 245 = 24.5" | 170 = 17.5" |
| Configuration R = Right Hand Upflow (CU) L = Left Hand Upflow (CU) H = Horizontal (AL) S = Horizontal Slab (CU) <i>(Multi-position option not available)</i> | | | | | | Horizontal | Slab |
| | | | | | | 145 = 14.5" | 187 = 18.75" |
| | | | | | | 175 = 17.5" | 227 = 22.75" |
| | | | | | | 210 = 21.0" | |
| | | | | | | 245 = 24.5" | |
| | | | | | | <i>(See specifications for available options)</i> | |

Product Features

General Features

- High efficiency lanced fin design.
- Service coils for indoor coil replacement only.
- Nominal tonnage designed for 10 - 12 SEER systems. For 13 SEER and higher, refer to HE Series specification.
- "No-hassle" 5 year warranty.
- Cased coils are fully lined with 5/8" foil faced insulation.
- AC & Heat Pump compatible.
- All coils have durable packaging with bar coded labels on the box.
- Coils are air pressure tested at 500 psi, leak tested with helium, sealed with rubber plugs, then charged with dry air.
- UV resistant drain pans are molded of high temperature (450 deg. F) engineered polymer.
- Microban® antimicrobial additive to inhibit the growth of mold and mildew in the drain pan.
- HydroTEC™ low water retention drain pan.
- Piston options include externally accessible body for easy piston change out and/or TXV installation.
- Supplied with pistons for both R22 and R-410A applications.
- Liquid line refrigerant connections are 3/8" ODF.

Upflow

- Corrosion resistant coil header plates.
- Cabinet insulation hold down tabs for easy drain pan removal.
- Interlocking doors reduce air leakage and allow for easy access.
- Enhanced refrigerant pipe grommets: secure, tight, and easy to install.
- Intertek lab tested 1% or less cabinet air leakage for better efficiency.
- Foam drain seal for reduced air leakage.
- Non-captive refrigerant lines with long stubs make for easy installation.
- Dual 3/4" FPT condensate drains on front-left and front-right side of drain pans.

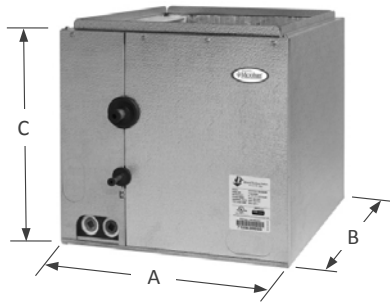
Horizontal A-Coil

- Short cabinet with easy access.
- Dual 3/4" FPT condensate drains on front and back of coil allows flexibility of placement to accommodate left or right airflow furnaces.
- Copper refrigerant connections for easy brazing on all Horizontal A-Coil aluminum slab models.
- Non-captive panels allow access to inside of cabinet without the need to cut refrigerant lines.
- Easy to remove access panel for easy cleaning. (4) screws only.
- Dedicated cutouts for condensate drains reduce air leakage.
- Easy to use filler strip, if coil dimensions are larger than furnace.
- Refrigerant connections on top of coil.
- Refrigerant connections are 7/8" ODF suction.
- Refrigerant connections in center of coil away from airflow path.

Horizontal Slab Coils

- Piston options include externally accessible body for easy piston change out and/or TXV installation.
- Suction line refrigerant connections are 7/8" ODF.

Service Coils - Specifications



A = Width
B = Depth
C = Height

Supply Opening: (A - 1.5") x (B - 1.5")

Return Opening: (A - 1.0") x (B - 0.5")

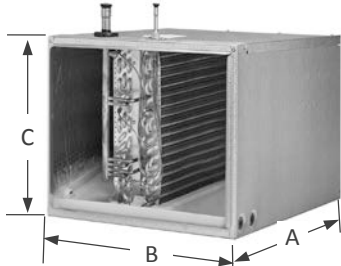
Upflow A-Coils

| | | Model Number | Width [A] | Depth [B] | Height [C] ^[1] | Weight (lbs) | Pallet Qty | CFM | Face Vel. (fpm) | Air Pressure Drop ^[2] (inches W.C.) |
|----------------|----------------|----------------|-----------|-----------|---------------------------|--------------|------------|------|-----------------|--|
| 2 TON | Uncased | S 24 (R,L) 130 | 13.0" | 19.5" | 11.0" | 17 | 18 | 800 | 360 | 0.22 |
| | | S 24 (R,L) 140 | 14.0" | 19.5" | 11.0" | 17 | 18 | 800 | 360 | 0.21 |
| | Cased | S 24 (R,L) 145 | 14.5" | 20.5" | 12.5" | 25 | 18 | 800 | 360 | 0.21 |
| 2.5 TON | Uncased | S 30 (R,L) 130 | 13.0" | 19.5" | 13.0" | 19 | 18 | 1000 | 375 | 0.22 |
| | | S 30 (R,L) 140 | 14.0" | 19.5" | 13.0" | 19 | 18 | 1000 | 375 | 0.21 |
| | | S 30 (R,L) 155 | 15.5" | 19.5" | 13.0" | 19 | 18 | 1000 | 375 | 0.20 |
| | Cased | S 30 (R,L) 145 | 14.5" | 20.5" | 16.5" | 29 | 12 | 1000 | 375 | 0.21 |
| S 30 (R,L) 175 | | 17.5" | 20.5" | 16.5" | 29 | 8 | 1000 | 375 | 0.19 | |
| 3 TON | Uncased | S 36 (R,L) 140 | 14.0" | 19.5" | 15.0" | 22 | 12 | 1200 | 386 | 0.23 |
| | | S 36 (R,L) 155 | 15.5" | 19.5" | 15.0" | 22 | 12 | 1200 | 386 | 0.20 |
| | | S 36 (R,L) 170 | 17.0" | 19.5" | 15.0" | 22 | 8 | 1200 | 386 | 0.19 |
| | Cased | S 36 (R,L) 145 | 14.5" | 20.5" | 16.5" | 32 | 12 | 1200 | 386 | 0.23 |
| | | S 36 (R,L) 175 | 17.5" | 20.5" | 16.5" | 32 | 8 | 1200 | 386 | 0.22 |
| | | S 36 (R,L) 210 | 21.0" | 20.5" | 16.5" | 32 | 8 | 1200 | 386 | 0.21 |
| 3.5 Ton | Uncased | S 42 (R,L) 155 | 15.5" | 19.5" | 17.0" | 24 | 12 | 1400 | 393 | 0.26 |
| | | S 42 (R,L) 170 | 17.0" | 19.5" | 17.0" | 24 | 8 | 1400 | 393 | 0.22 |
| | Cased | S 42 (R,L) 175 | 17.5" | 20.5" | 18.5" | 36 | 12 | 1400 | 393 | 0.22 |
| | | S 42 (R,L) 210 | 21" | 20.5" | 18.5" | 36 | 8 | 1400 | 393 | 0.21 |
| 4 TON | Uncased | S 48 (R,L) 170 | 17.0" | 19.5" | 19.0" | 27 | 8 | 1600 | 400 | 0.26 |
| | | S 48 (R,L) 200 | 20.0" | 19.5" | 19.0" | 27 | 8 | 1600 | 400 | 0.22 |
| | Cased | S 48 (R,L) 175 | 17.5" | 20.5" | 20.5" | 40 | 4 | 1600 | 400 | 0.26 |
| | | S 48 (R,L) 210 | 21.0" | 20.5" | 20.5" | 40 | 4 | 1600 | 400 | 0.24 |
| 5 TON | Uncased | S 60 (R,L) 200 | 20.0" | 19.5" | 25.0" | 34 | 4 | 2000 | 375 | 0.25 |
| | Cased | S 60 (R,L) 210 | 21.0" | 20.5" | 25.5" | 50 | 4 | 2000 | 375 | 0.25 |
| | | S 60 (R,L) 245 | 24.5" | 20.5" | 25.5" | 51 | 4 | 2000 | 375 | 0.24 |

[1] Height excludes .75" top flange.

[2] Air pressure drop data is under wet coil conditions.

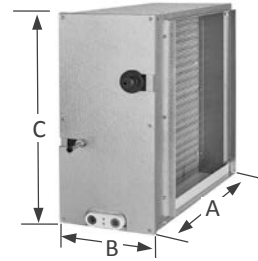
Service Coils - Specifications



Horizontal Coils

Supply Opening: (C - 1.5") x 19.5"
 Return Opening: (C - 1.0") x 20"

A = Width
 B = Depth
 C = Height



Horizontal / Low Profile Slab Coils

Supply Opening: (C - 1.50") x (A - 4.375")
 Return Opening: (C - 1.50") x (A - 4.375")

Horizontal Coils

| | Model Number | Width [A] | Depth [B] | Height [C] | Weight | Pallet Qty | CFM | Air Pressure Drop ^[1] (inches W.C.) |
|--------------|--------------|-----------|-----------|------------|--------|------------|------|---|
| 2 TON | S 24 H 145 | 21.5" | 21" | 14.5" | 38 | 16 | 800 | 0.23 |
| 3 TON | S 36 H 145 | 26.5" | 21" | 14.5" | 40 | 8 | 1200 | 0.30 |
| | S 36 H 175 | 21.5" | 21" | 17.5" | 36 | 16 | 1200 | 0.16 |
| 4 TON | S 48 H 175 | 26.5" | 21" | 17.5" | 40 | 4 | 1600 | 0.23 |
| | S 48 H 210 | 26.5" | 21" | 21.0" | 41 | 6 | 1600 | 0.21 |
| 5 TON | S 60 H 210 | 26.5" | 21" | 21.0" | 41 | 6 | 2000 | 0.30 |
| | S 60 H 245 | 26.5" | 21" | 24.5" | 59 | 2 | 2000 | 0.23 |

Horizontal Slab Coils

| | Model Number | Width [A] | Depth [B] | Height [C] | Weight | Pallet Qty | CFM | Air Pressure Drop ^[1] (inches W.C.) |
|--------------|--------------|-----------|-----------|------------|--------|------------|------|---|
| 2 TON | S 24 S 227 | 23" | 10" | 22.75" | 31 | 6 | 800 | 0.17 |
| 3 TON | S 36 S 227 | 27" | 10" | 22.75" | 36 | 4 | 1200 | 0.22 |
| 4 TON | S 48 S 227 | 35" | 10" | 22.75" | 43 | 4 | 1600 | 0.23 |
| 5 TON | S 60 S 227 | 47" | 10" | 22.75" | 61 | 3 | 2000 | 0.25 |

Low Profile Horizontal Slab Coils

| | Model Number | Width [A] | Depth [B] | Height [C] | Weight | Pallet Qty | CFM | Air Pressure Drop ^[1] (inches W.C.) |
|--------------|--------------|-----------|-----------|------------|--------|------------|------|---|
| 2 TON | S 24 S 187 | 23" | 10" | 18.75" | 32 | 8 | 800 | 0.20 |
| 3 TON | S 36 S 187 | 27" | 10" | 18.75" | 36 | 8 | 1200 | 0.25 |
| 4 TON | S 48 S 187 | 35" | 10" | 18.75" | 43 | 8 | 1600 | 0.26 |
| 5 TON | S 60 S 187 | 35" | 10" | 18.75" | 43 | 8 | 2000 | 0.32 |

[1] Air pressure drop data is under wet coil conditions.

