

Service Coils Specification Guide



Product Nomenclature

S 24 R 145

Product Line
S = Service Coil

Nominal MBTUH

Configuration
 R = Right Hand Upflow (CU)
 L = Left Hand Upflow (CU)
 H = Horizontal (AL)
 S = Horizontal Slab (CU)
 (Multi-position option not available)

Note:
 CU = Copper Slab
 AL = Aluminum

Width / Height

| Cased | Uncased |
|-------------|--------------|
| 145 = 14.5" | 130 = 13.0" |
| 175 = 17.5" | 140 = 14.0" |
| 210 = 21.0" | 155 = 15.5" |
| 245 = 24.5" | 170 = 17.0" |
| | 200 = 20.0" |
| Horizontal | Slab |
| 145 = 14.5" | 187 = 18.75" |
| 175 = 17.5" | 227 = 22.75" |
| 210 = 21.0" | |
| 245 = 24.5" | |

(See specifications for available options)



Product improvement is a continuous process at Advanced Distributor Products. Therefore, product specifications are subject to change without notice and without obligation on our part. Please contact your ADP representative or distributor to verify details.

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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 |
| | | S 60 (R,L) 210 | 21.0" | 20.5" | 25.5" | 50 | 4 | 2000 | 375 | 0.25 |
| | Cased | S 60 (R,L) 245 | 24.5" | 20.5" | 25.5" | 51 | 4 | 2000 | 375 | 0.24 |

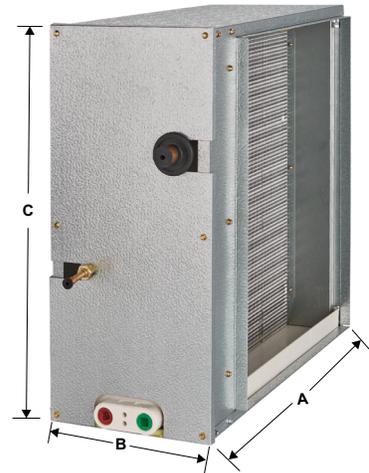
^[1] Height excludes .75" top flange.

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

Service Coils - Specifications



A = Width
B = Depth
C = Height



Horizontal Coils

Supply Opening: (C - 1.5") x 19.5"

Return Opening: (C - 1.0") x 20"

Horizontal / Low Profile Slab Coils

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

Return Opening: (C - 1.0") 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 |
| 3.5 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.

