

## Specification Guide

# Service Coils



## Nomenclature

		<b>S</b>	<b>24</b>	<b>R</b>	<b>145</b>		
<b>Product Line</b> S = Service Coil						<b>Width / Height</b>	
						<b>Cased</b>	<b>Uncased</b>
<b>Nominal MBTUH</b>						145 = 14.5"	130 = 13.0"
						175 = 17.5"	140 = 14.0"
						210 = 21.0"	155 = 15.5"
						245 = 24.5"	170 = 17.5"
<b>Configuration</b> R = Right Hand Upflow (CU) L = Left Hand Upflow (CU) H = Horizontal (AL) S = Horizontal Slab (CU) <i>(Multi-position option not available)</i>						<b>Horizontal</b>	<b>Slab</b>
						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<sup>®</sup> antimicrobial additive to inhibit the growth of mold and mildew in the drain pan.
- HydroTEC<sup>™</sup> 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.

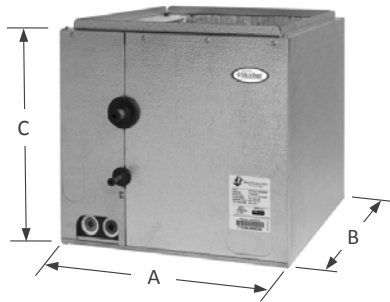
## **Horizontal A-Coil**

- 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")

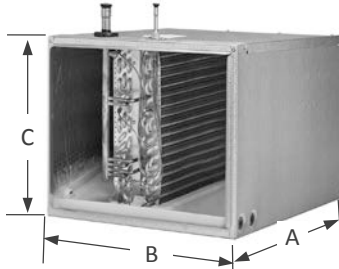
### Upflow A-Coils

		Model Number	Width [A]	Depth [B]	Height [C] <sup>[1]</sup>	Weight (lbs)	Pallet Qty	CFM	Face Vel. (fpm)	Air Pressure Drop <sup>[2]</sup> (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.

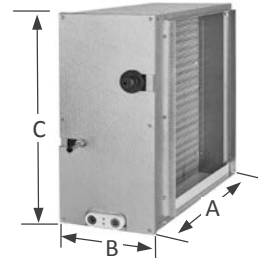
# Service Coils - Specifications



**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 <sup>[1]</sup> (inches W.C.)
<b>2 TON</b>	S 24 H 145	21.5"	21"	14.5"	38	16	800	0.23
<b>3 TON</b>	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
<b>4 TON</b>	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
<b>5 TON</b>	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 <sup>[1]</sup> (inches W.C.)
<b>2 TON</b>	S 24 S 227	23"	10"	22.75"	31	6	800	0.17
<b>3 TON</b>	S 36 S 227	27"	10"	22.75"	36	4	1200	0.22
<b>4 TON</b>	S 48 S 227	35"	10"	22.75"	43	4	1600	0.23
<b>5 TON</b>	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 <sup>[1]</sup> (inches W.C.)
<b>2 TON</b>	S 24 S 187	23"	10"	18.75"	32	8	800	0.20
<b>3 TON</b>	S 36 S 187	27"	10"	18.75"	36	8	1200	0.25
<b>4 TON</b>	S 48 S 187	35"	10"	18.75"	43	8	1600	0.26
<b>5 TON</b>	S 60 S 187	35"	10"	18.75"	43	8	2000	0.32

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

