

EXPANSION VALVE COILS

ALL MODELS

- 1½ thru 5 Tons
- Copper tube / aluminum fin "A" coil with latest high-tech fin design
- Bolt-on TXV metering device factory installed on all models
- TXV and manifold positioned to the side for easier cleaning
- Innovative drain pan design for complete water removal
- Two condensate drain connections (EDM has additional two for horizontal installation)
- 2-piece delta plate for easier removal and cleaning

CASED COILS

- Upflow cabinet widths and horizontal cabinet depths match flush with ICP gas furnaces
- Removable front access panel
- Easy slide-out coil for inspection
- UV light knock-out provided on cabinet
- Hemmed flanges for safer handling
- Foil faced insulation
- Non-sweat cabinet, even at extreme conditions
- Cabinets meet or exceed 2% air leakage codes
- Sturdy, 22 gauge, pre-painted steel cabinet

EDM

- Multiposition installation – upflow, downflow, or horizontal
- Available for R-410A or R-22 systems
- Available with industry exclusive tin coated copper main tubing for additional corrosion protection

EDD

- Upflow or downflow installation
- Available for R-410A or R-22 systems
- Available with industry exclusive tin coated copper main tubing for additional corrosion protection

EBD

- Value Line, upflow or downflow, R-22 only

UNCASED A-COILS

EDA

- Upflow or downflow installation
- Available for R-410A or R-22 systems
- Available with industry exclusive tin coated copper main tubing for additional corrosion protection

EBA

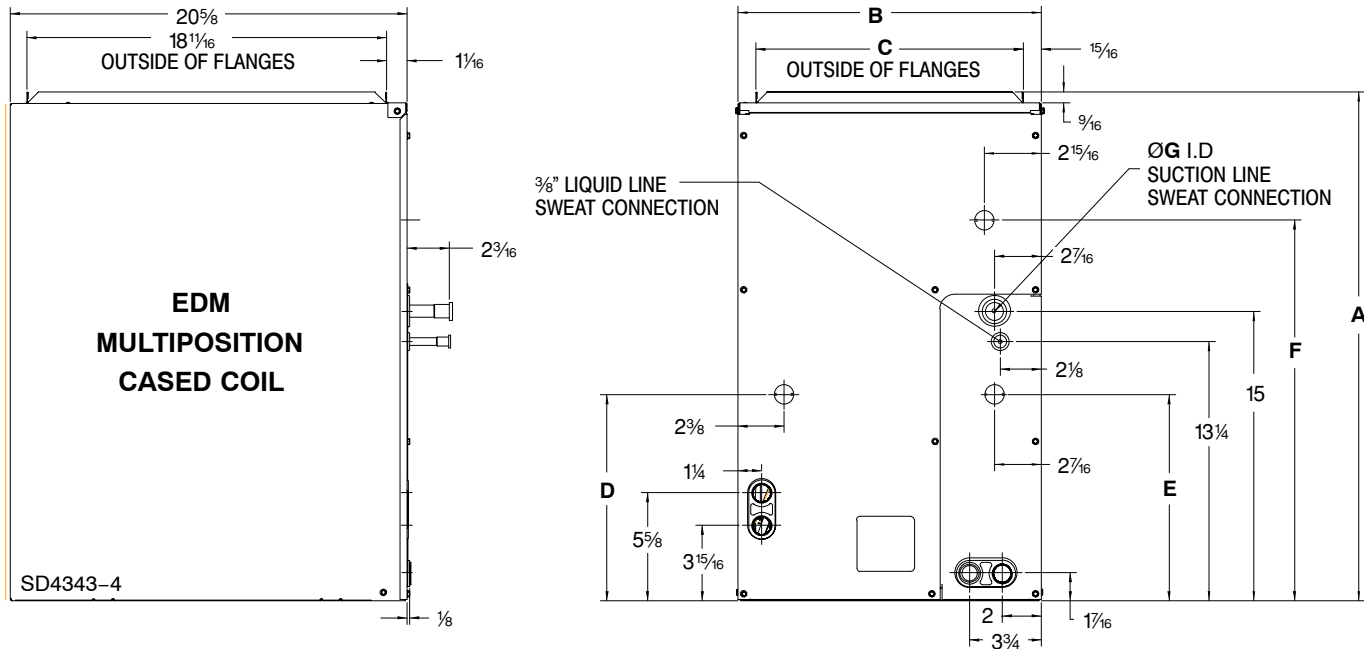
- Value Line, upflow or downflow, R-22 only



Rated in accordance with ARI Standard 210 and/or 240. Certification applies only when used with proper components as listed with ARI.

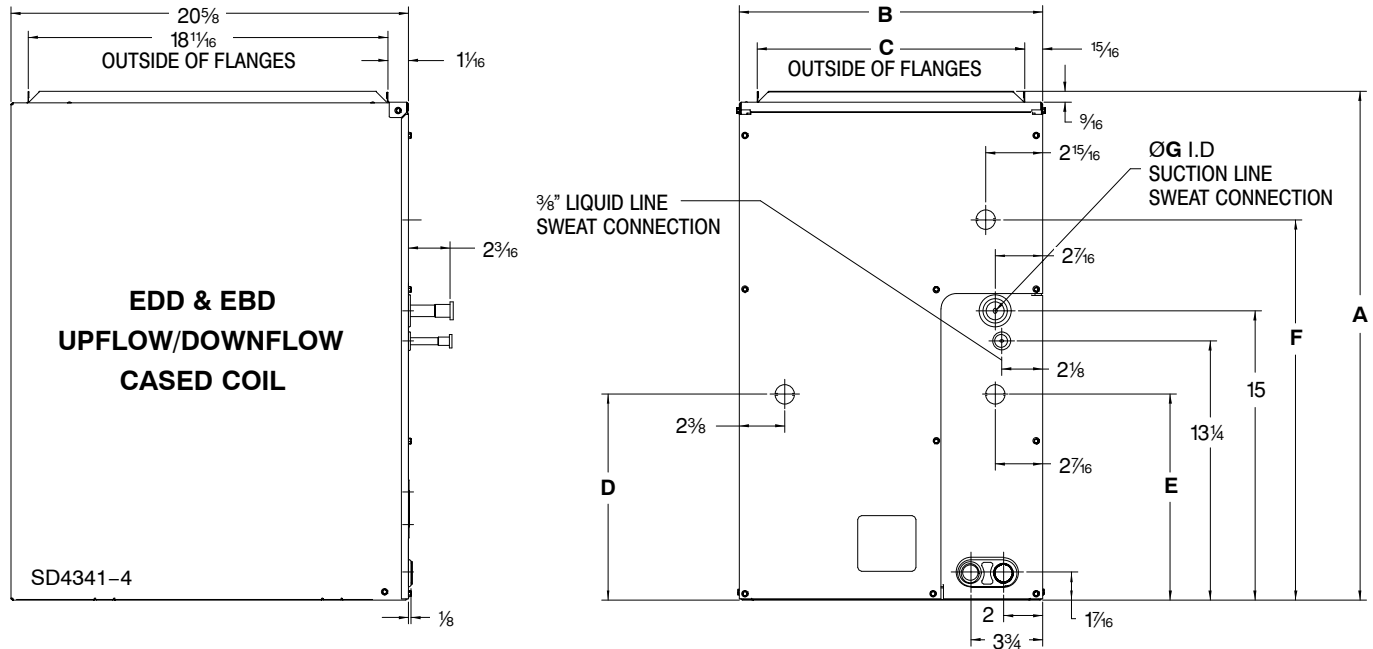


Available Styles	EDM	EDD	EDA	EBD	EBA
Cased	✓	✓		✓	
Uncased			✓		✓
Horizontal Flow	✓				
Upflow	✓	✓	✓	✓	✓
Downflow	✓	✓	✓	✓	✓
R-410A	✓	✓	✓		
R-22	✓	✓	✓	✓	✓
Plain Tubes	✓	✓	✓	✓	✓
Tin Coated Tubes	✓	✓	✓		



DIMENSIONAL DATA - EDM (refer to drawing at top of chart)

Model				Size (tons)	All Dimensions Inches							Shipping Weight (lbs)	
					A	B	C	D	E	F	G	A model	AT model
EDM	4X 2X	18B	A AT	1½	25⅞	15⅝	13⅞	10 ¹¹ ⁄16	10 ¹¹ ⁄16	–	5/8	54.0	55.5
EDM	4X 2X	24B	A AT	2	25⅞	15⅝	13⅞	10 ¹¹ ⁄16	10 ¹¹ ⁄16	–	5/8	56.0	56.5
EDM	4X 2X	24F	A AT	2	25⅞	19¼	17½	10 ¹¹ ⁄16	10 ¹¹ ⁄16	–	5/8	59.5	60.0
EDM	4X 2X	30B	A AT	2½	25⅞	15⅝	13⅞	19¾	–	19¾	3/4	58.5	60.0
EDM	4X 2X	30F	A AT	2½	29¾	19¼	17½	10 ¹¹ ⁄16	–	19¾	3/4	62.0	64.0
EDM	4X 2X	36B	A AT	3	29¾	15⅝	13⅞	19¾	–	19¾	3/4	64.0	66.0
EDM	4X 2X	36F	A AT	3	29¾	19¼	17½	19¾	–	19¾	3/4	69.5	72.5
EDM	4X 2X	36J	A AT	3	29¾	22⅞	21⅞	19¾	–	19¾	3/4	75.5	77.0
EDM	4X 2X	42J	A AT	3½	29¾	22⅞	21⅞	19¾	–	19¾	7/8	76.0	78.5
EDM	4X 2X	42L	A AT	3½	29¾	24½	22¾	19¾	–	19¾	7/8	77.5	80.5
EDM	4X 2X	48F	A AT	4	35	19¼	17½	19¾	–	19¾	7/8	89.0	93.0
EDM	4X 2X	48J	A AT	4	29¾	22⅞	21⅞	19¾	–	19¾	7/8	83.0	86.0
EDM	4X 2X	48L	A AT	4	29¾	24½	22¾	19¾	–	19¾	7/8	84.5	87.3
EDM	4X 2X	60J	A AT	5	35	22⅞	21⅞	19¾	–	19¾	7/8	88.0	91.0
EDM	4X 2X	60L	A AT	5	35	24½	22¾	19¾	–	19¾	7/8	97.0	100.0



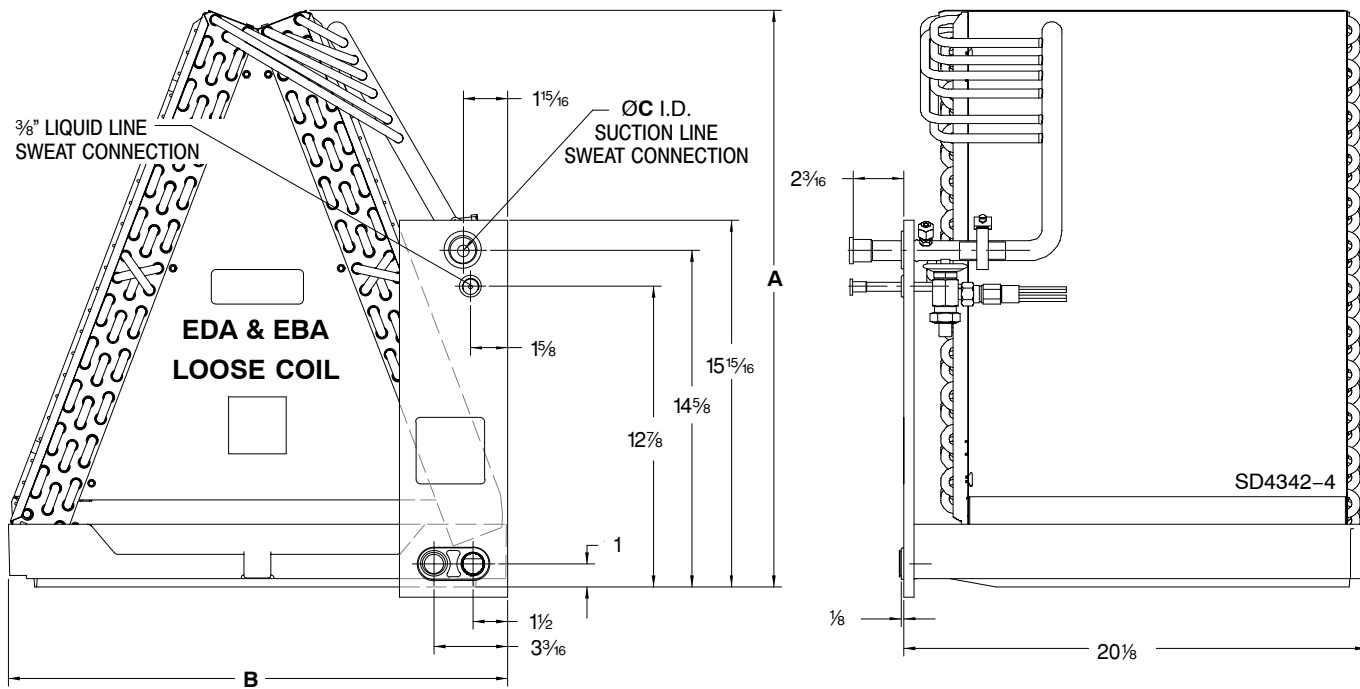
DIMENSIONAL DATA – EDD, EBD (refer to drawing at top of chart)

Model				Size (tons)	All Dimensions Inches							Shipping Weight (lbs)	
					A	B	C	D	E	F	G	A model	AT model
EDD	2X	18B	A	1½	18 ⁵ / ₁₆	15 ⁵ / ₈	13 ⁷ / ₈	10 ¹ / ₁₆	10 ¹ / ₁₆	–	5/8	38.5	40.5
EBD	2X	18B	A										
EDD	2X	24B	A	2	19 ⁹ / ₁₆	15 ⁵ / ₈	13 ⁷ / ₈	10 ¹ / ₁₆	10 ¹ / ₁₆	–	5/8	43.0	45.0
EBD	2X	24B	A										
EDD	2X	24F	A	2	19 ⁹ / ₁₆	19¼	17½	10 ¹ / ₁₆	10 ¹ / ₁₆	–	5/8	46.0	48.0
EBD	2X	24F	A										
EDD	2X	30B	A	2½	23 ¹ / ₁₆	15 ⁵ / ₈	13 ⁷ / ₈	19¾	–	19¾	¾	49.5	52.0
EBD	2X	30B	A										
EDD	2X	30F	A	2½	23 ¹ / ₁₆	19¼	17½	19¾	–	19¾	¾	56.0	58.5
EBD	2X	30F	A										
EDD	2X	36B	A	3	25 ¹³ / ₁₆	15 ⁵ / ₈	13 ⁷ / ₈	10 ¹ / ₁₆	–	19¾	¾	57.0	59.5
EBD	2X	36B	A										
EDD	2X	36F	A	3	25 ¹³ / ₁₆	19¼	17½	10 ¹ / ₁₆	–	19¾	¾	58.5	61.0
EBD	2X	36F	A										
EDD	2X	36J	A	3	25 ¹³ / ₁₆	22 ⁷ / ₈	21 ¹ / ₈	19¾	–	19¾	¾	61.0	63.5
EBD	2X	36J	A										
EDD	2X	42J	A	3½	27 ⁹ / ₁₆	22 ⁷ / ₈	21 ¹ / ₈	19¾	–	19¾	7/8	65.0	67.5
EBD	2X	42J	A										
EDD	2X	42L	A	3½	27 ⁹ / ₁₆	24½	22¾	19¾	–	19¾	7/8	67.5	70.0
EBD	2X	42L	A										

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DIMENSIONAL DATA (continued) – EDD, EBD (refer to drawing at top of chart)

Model				Size (tons)	All Dimensions Inches						Shipping Weight (lbs)		
					A	B	C	D	E	F	G	A model	AT model
EDD	2X	48F	A AT	4	33 ⁵ / ₁₆	19 ¹ / ₄	17 ¹ / ₂	19 ³ / ₄	–	19 ³ / ₄	7/8	73.0	76.0
EBD	2X	48F	A										
EDD	2X	48J	A AT	4	27 ⁹ / ₁₆	22 ⁷ / ₈	21 ¹ / ₈	19 ³ / ₄	–	19 ³ / ₄	7/8	76.0	79.0
EBD	2X	48J	A										
EDD	2X	48L	A AT	4	27 ⁹ / ₁₆	24 ¹ / ₂	22 ³ / ₄	19 ³ / ₄	–	19 ³ / ₄	7/8	83.0	86.0
EBD	2X	48L	A										
EDD	2X	60J	AT A	5	33 ⁵ / ₁₆	22 ⁷ / ₈	21 ¹ / ₈	19 ³ / ₄	–	19 ³ / ₄	7/8	88.0	91.0
EBD	2X	60J	A										
EDD	2X	60L	A AT	5	33 ⁵ / ₁₆	24 ¹ / ₂	22 ³ / ₄	19 ³ / ₄	–	19 ³ / ₄	7/8	93.0	96.0
EBD	2X	60L	A										



DIMENSIONAL DATA – EDA, EBA (refer to drawing at top of chart)

Model	Size (tons)	All Dimensions Inches			Shipping Weight (lbs)	
		A	B	C	A model	AT model
EDA 4X 2X 18B A AT	$1\frac{1}{2}$	$13\frac{3}{8}$	$14\frac{7}{16}$	$5\frac{7}{8}$	24.5	25.5
EBA 2X 18B A						
EDA 4X 2X 24B A AT	2	$17\frac{9}{16}$	$14\frac{7}{16}$	$5\frac{7}{8}$	29.0	30.0
EBA 2X 24B A						

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DIMENSIONAL DATA (continued) – EDA, EBA (refer to drawing at top of chart)								
Model				Size (tons)	All Dimensions Inches			Shipping Weight (lbs)
					A	B	C	A model AT model
EDA	4X	24F	A	2	$16\frac{15}{16}$	$18\frac{1}{16}$	$\frac{5}{8}$	30.0 31.0
EBA	2X	24F	A					
EDA	4X	30B	A	$2\frac{1}{2}$	$21\frac{3}{4}$	$14\frac{7}{16}$	$\frac{3}{4}$	32.0 33.0
EBA	2X	30B	A					
EDA	4X	30F	A	$2\frac{1}{2}$	$21\frac{3}{16}$	$18\frac{1}{16}$	$\frac{3}{4}$	34.5 35.4
EBA	2X	30F	A					
EDA	4X	36B	A	3	$23\frac{3}{4}$	$14\frac{7}{16}$	$\frac{3}{4}$	35.0 36.0
EBA	2X	36B	A					
EDA	4X	36F	A	3	$23\frac{3}{4}$	$18\frac{1}{16}$	$\frac{3}{4}$	37.5 39.5
EBA	2X	36F	A					
EDA	4X	36J	A	3	$22\frac{5}{8}$	$21\frac{11}{16}$	$\frac{3}{4}$	38.0 40.0
EBA	2X	36J	A					
EDA	4X	42J	A	$3\frac{1}{2}$	$24\frac{3}{4}$	$21\frac{11}{16}$	$\frac{7}{8}$	40.5 42.5
EBA	2X	42J	A					
EDA	4X	42L	A	$3\frac{1}{2}$	$24\frac{1}{2}$	$23\frac{5}{16}$	$\frac{7}{8}$	42.5 45.0
EBA	2X	42L	A					
EDA	4X	48F	A	4	$29\frac{11}{16}$	$18\frac{1}{16}$	$\frac{7}{8}$	50.0 53.0
EBA	2X	48F	A					
EDA	4X	48J	A	4	$25\frac{1}{16}$	$21\frac{11}{16}$	$\frac{7}{8}$	52.0 55.0
EBA	2X	48J	A					
EDA	4X	48L	A	4	$24\frac{13}{16}$	$23\frac{5}{16}$	$\frac{7}{8}$	55.0 58.0
EBA	2X	48L	A					
EDA	2X	60J	A	5	$31\frac{5}{16}$	$21\frac{11}{16}$	$\frac{7}{8}$	58.5 61.5
EBA	2X	60J	A					
EDA	2X	60L	A	5	$31\frac{1}{16}$	$23\frac{5}{16}$	$\frac{7}{8}$	62.0 65.0
EBA	2X	60L	A					

PHYSICAL DATA								
	Model Size							
	18	24	30	36	42	48F	48J, 48L	60
TXV factory installed, hard shut-off, bi-flow type for heat pump application, non-adjustable superheat								
R-22 TXV Size	3 ton				5 ton			6 ton
R-410A TXV Size	2 ton			3 ton	4 ton	5 ton		
TXV Connections	TXV-to-coil = Bolt-on 3/4-20 UNF straight thread (factory assembled)							
	field line set to TXV = 3/8" sweat (female)							
	equalizer-to-coil = Bolt-on 1/4" flare (factory assembled)							
Nominal Acceptable CFM Range (minimum 350 CFM/ton, maximum 450 CFM/ton)								
CFM – min	525	700	875	1050	1225	1400		1750
CFM – max	625	900	1125	1350	1600	1800		2200
Coil Data (all coils 2 slab “A” configuration, lanced sine wave bare aluminum fin)								
Face Area (ft ²)	2.75	3.67	4.58	5.04	5.50	6.42	5.50	6.88
Each Slab H x W (in)	12 x 16½	16 x 16½	20 x 16½	22 x 16½	24 x 16½	28 x 16½	24 x 16½	30 x 16½
Fins Per Inch	17	17	16	15	15	12		13
Refrigerant Line Connections (sweat)								
Liquid (inch)	3/8	3/8	3/8	3/8	3/8	3/8		3/8
Suction (inch)	5/8	5/8	3/4	3/4	7/8	7/8		7/8

ACCESSORIES			
Description	Part Number	Use with models	
		EDA, EBA	EDM, EDD, EBD
Fossil Fuel Kit	AXWR01DFB	ALL	ALL
Sub-Base (use when cased coil is mounted beneath a downflow gas or oil furnace on a combustible floor)	NAHH004SB	–	B models (15¾" wide)
	NAHH005SB	–	F models (19¾" wide)
	NAHH006SB	–	J models (23" wide)
	NAHH009SB	–	L models (24⅝" wide)
Coil Adapter for Downflow Furnaces (when used with multiposition furnace in downflow application)	NAHA001CA	–	ALL
PVC Condensate Trap Kit (box of 50)	EBAC01CTK	ALL	ALL

Static Pressure Drop Across Coil at a Given CFM							
Coil Size	CFM Across Coil	Static Pressure Drop Across Coil (Inches Water Column)		Coil Size	CFM Across Coil	Static Pressure Drop Across Coil (Inches Water Column)	
		Dry	Wet			Dry	Wet
18B 1½ tons	500	0.096	0.106	42J 3½ tons	1200	0.129	0.137
	600	0.127	0.140		1300	0.148	0.159
	700	0.161	0.183		1400	0.168	0.180
24B 2 tons	700	0.134	0.141		1500	0.189	0.203
	800	0.166	0.176		1600	0.211	0.228
	900	0.200	0.215	1200	0.114	0.142	
24F 2 tons	700	0.110	0.118	42L 3½ tons	1300	0.130	0.161
	800	0.134	0.146		1400	0.146	0.182
	900	0.160	0.176		1500	0.164	0.202
30B 2½ tons	800	0.137	0.143		1600	0.182	0.222
	900	0.169	0.174		48F 4 tons	1400	0.250
	1000	0.204	0.211	1500		0.284	0.297
1100	0.241	0.251	1600	0.320		0.336	
30F 2½ tons	800	0.101	0.106	1700		0.358	0.376
	900	0.121	0.129	1800		0.398	0.418
	1000	0.143	0.154	48J 4 tons	1400	0.192	0.196
36B 3 tons	1100	0.168	0.181		1500	0.219	0.225
	1000	0.188	0.202		1600	0.245	0.253
	1100	0.224	0.240		1700	0.273	0.283
36B 3 tons	1200	0.262	0.281		1800	0.303	0.314
	1300	0.303	0.325	48L 4 tons	1400	0.180	0.193
	1400	0.349	0.374		1500	0.198	0.214
36F 3 tons	1000	0.133	0.139		1600	0.222	0.241
	1100	0.154	0.163		1700	0.247	0.270
	1200	0.177	0.189		1800	0.275	0.296
36F 3 tons	1300	0.203	0.216	60J 5 tons	1700	0.260	0.285
	1400	0.227	0.245		1800	0.288	0.315
	1000	0.104	0.106		1900	0.316	0.346
36J 3 tons	1100	0.121	0.124		2000	0.347	0.381
	1200	0.139	0.144		2100	0.378	0.413
	1300	0.159	0.166	2200	0.409	0.447	
	1400	0.181	0.190	60L 5 tons	1700	0.232	0.263
					1800	0.256	0.291
					1900	0.283	0.321
					2000	0.308	0.354
					2100	0.335	0.386
				2200	0.363	0.419	

COIL MODEL NUMBER IDENTIFICATION GUIDE										
	E	D	M	2	X	18	B	A	1	
E = Evaporator		TYPE	M	2	X	18	B	A	1	
D = Deluxe										
B = Builder (Value Line)										
M = Multiposition (Cased)			APPLICATION	2	X	18	B	A	1	
D = Cased (Upflow / Downflow)										
A = Loose										
2 = R-22				REFRIGERANT	X	18	B	A	1	
4 = Environmentally Sound R-410A										
X = TXV					METERING DEVICE		NOMINAL CAPACITY	B	A	1
18 = 18,000 BTUH = 1½ tons										
24 = 24,000 BTUH = 2 tons										
30 = 30,000 BTUH = 2½ tons										
36 = 36,000 BTUH = 3 tons										
42 = 42,000 BTUH = 3½ tons										
48 = 48,000 BTUH = 4 tons										
60 = 60,000 BTUH = 5 tons										
B = 15.5"							WIDTH (matches furnace)	B	A	1
F = 19.1"										
J = 22.8"										
L = 24.5"										
A = Standard						SALES CODE / FEATURES	B	A	1	
AT = Tin Coated Copper Tubes for Additional Corrosion Protection										
Engineering Revision										