

### EXPANSION VALVE COILS

#### ALL MODELS

- 1-1/2 thru 5 Tons
- Multiposition installation – upflow, downflow, or horizontal
- Available for R-410A or R-22
- Bolt-on TXV metering device factory installed on all models (equalizer tube brazed in)
- TXV and manifold positioned to the side for easier cleaning
- Innovative drain pan design for complete water removal
- Two additional condensate drain connections for horizontal installation
- Two-piece delta plate for easier removal and cleaning
- Upflow cabinet widths and horizontal cabinet depths match flush with legacy (pre-2010) ICP gas furnaces
- Removable front access panel
- Easy slide-out coil for inspection
- 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
- Two UV light knock-outs provided on cabinet
- Aluminum hairpin/return-bend/fin “A” coil with the latest high-tech fin design



Use of the AHRI Certified TM Mark indicates a manufacturer's participation in the program. For verification of certification for individual products, go to [www.ahrirectory.org](http://www.ahrirectory.org).



#### WARRANTY\*

##### R-22

- 5 year parts limited warranty

\* Applies to original purchaser/homeowner, some limitations may apply. See Warranty certificate for complete details.

##### R-410A

- 5 year parts limited warranty

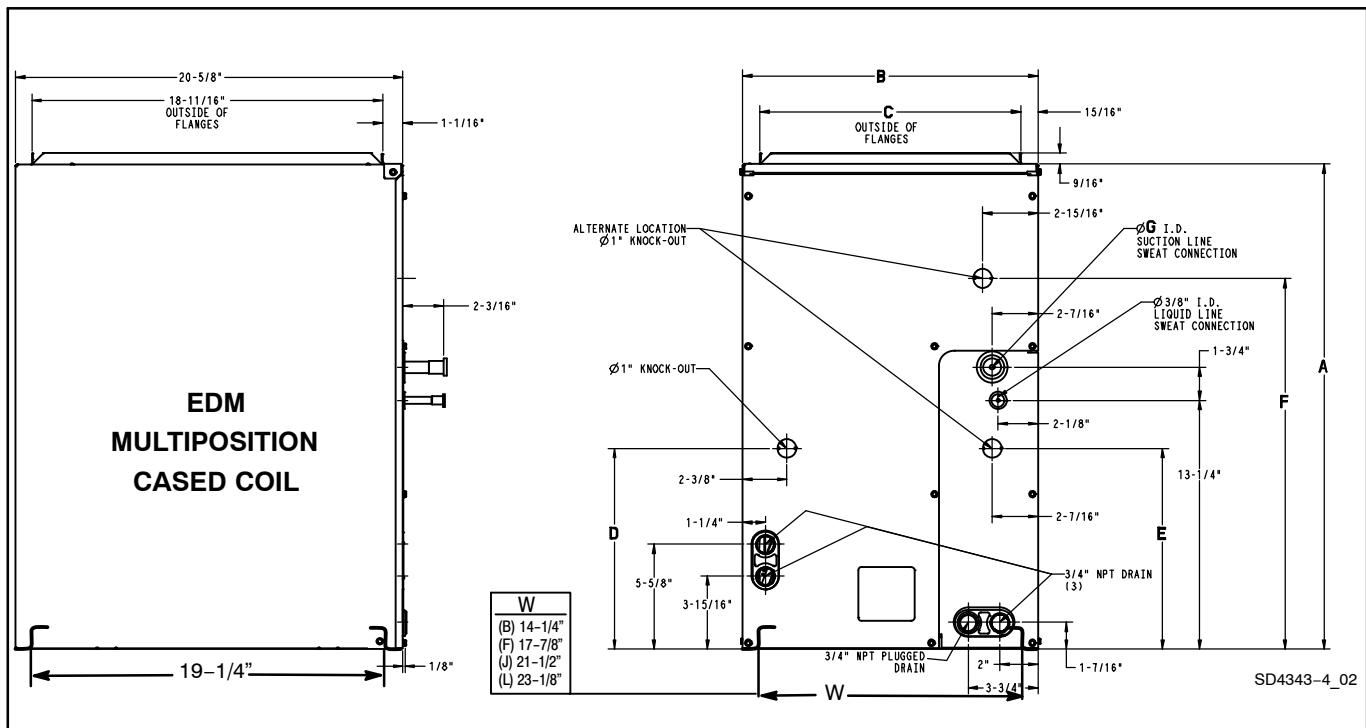
– With timely registration, an additional 5 year parts limited warranty

\* Applies to original purchaser/homeowner, some limitations may apply. See Warranty certificate for complete details.

COIL MODEL NUMBER IDENTIFICATION GUIDE									
	<b>E</b>	<b>D</b>	<b>M</b>	<b>4</b>	<b>X</b>	<b>18</b>	<b>B</b>	<b>AL</b>	<b>1</b>
E = Evaporator									
D = Deluxe <b>TYPE</b>									
M = Cased, Multiposition									
D = Cased Upflow / Downflow <b>APPLICATION</b>									
2 = R-22									
4 = Environmentally Sound R-410A <b>REFRIGERANT</b>									
X = TXV <b>METERING DEVICE</b>									
18 = 18,000 BTUH = 1-1/2 tons									
24 = 24,000 BTUH = 2 tons									
30 = 30,000 BTUH = 2-1/2 tons									
36 = 36,000 BTUH = 3 tons									
42 = 42,000 BTUH = 3-1/2 tons									
48 = 48,000 BTUH = 4 tons									
60 = 60,000 BTUH = 5 tons <b>NOMINAL CAPACITY</b>									
B = 15.5"									
F = 19.1"									
J = 22.8"									
L = 24.5" <b>WIDTH (matches furnace)</b>									
AL = Aluminum <b>SALES CODE / FEATURES</b>									
Engineering Revision									

PHYSICAL DATA								
	Model Size							
	18	24	30	36	42	48F	48J, 48L	60
<b>TXV factory installed, hard shut-off, bi-flow type for heat pump application, non-adjustable superheat</b>								
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" (10mm) sweat (female)							
	equalizer-to-coil = brazed in (factory brazed)							
<b>Nominal Acceptable CFM Range</b>								
CFM (L/s) - min	525 (248)	700 (330)	875 (413)	1050 (496)	1225 (578)	1400 (661)		1750 (826)
CFM (L/s) - max	625 (295)	900 (425)	1125 (531)	1350 (637)	1600 (755)	1800 (849)		2000 (944)
<b>Coil Data (all coils 2 slab "A" configuration, lanced sine wave bare aluminum fin)</b>								
Face Area ft <sup>2</sup> (m <sup>2</sup> )	2.75 (0.26)	3.67 (0.34)	4.58 (0.43)	5.04 (0.47)	5.50 (0.51)	6.42 (0.60)	5.50 (0.51)	6.88 (0.64)
Each Slab H x W in. (mm)	12 x 16-1/2 (305 x 419)	16 x 16-1/2 (406 x 419)	20 x 16-1/2 (508 x 419)	22 x 16-1/2 (559 x 419)	24 x 16-1/2 (610 x 419)	28 x 16-1/2 (711 x 419)	24 x 16-1/2 (610 x 419)	30 x 16-1/2 (762 x 419)
Fins Per Inch	17	17	16	15	15	12		13
<b>Refrigerant Line Connections (sweat)</b>								
Liquid in. (mm)	3/8 (10)	3/8 (10)	3/8 (10)	3/8 (10)	3/8 (10)	3/8 (10)		3/8 (10)
Suction in. (mm)	5/8 (16)	5/8 (16)	3/4 (19)	3/4 (19)	7/8 (22)	7/8 (22)		7/8 (22)

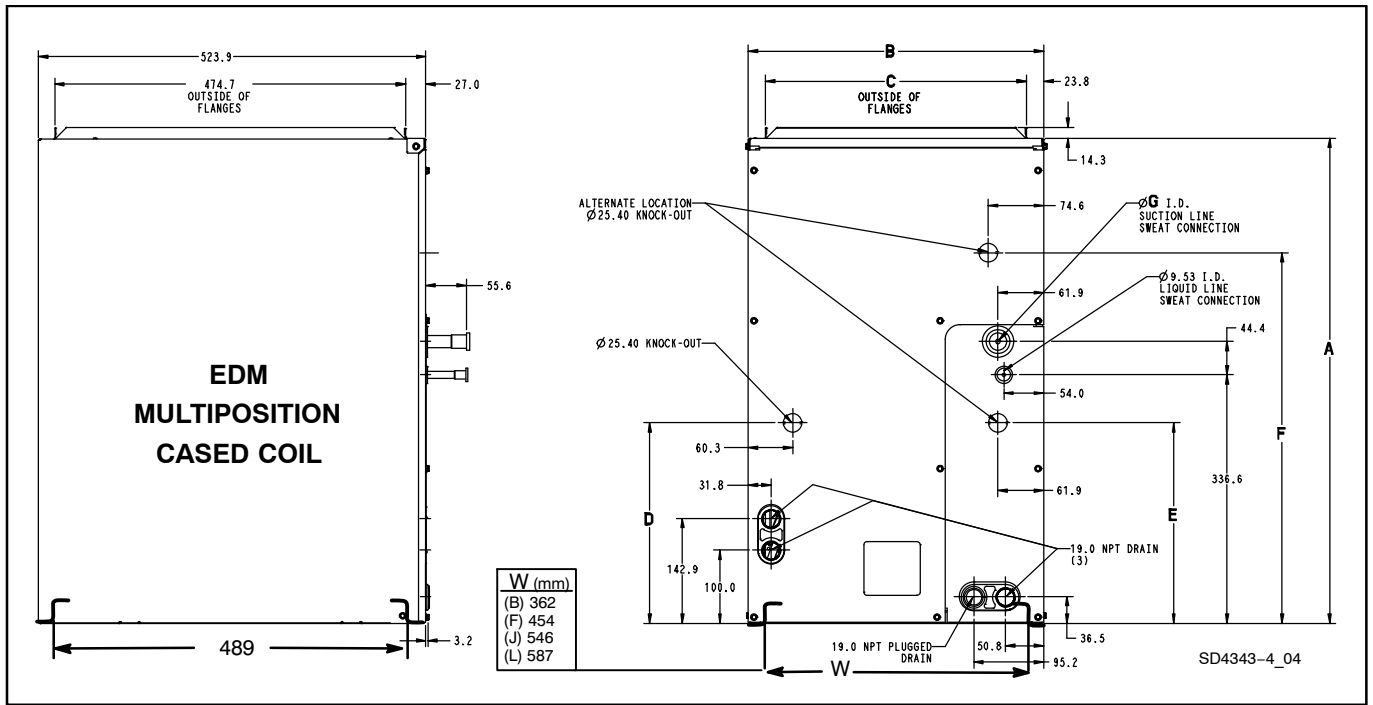
ACCESSORIES		
Description	Part Number	Use with models EDM
Fossil Fuel Kit	AXWR01DFC	ALL
Sub-Base (use when cased coil is mounted beneath a downflow gas or oil furnace on a combustible floor)	NAHH004SB	B models - 15-3/4" wide (400mm)
	NAHH005SB	F models - 19-3/8" wide (492mm)
	NAHH006SB	J models - 23" wide (584mm)
	NAHH009SB	L models - 24-5/8" wide (625mm)
Coil Adapter for Downflow Furnaces (when used with multiposition furnace in downflow application)	NAHA001CA	ALL
PVC Condensate Trap Kit (box of 50)	EBAC01CTK	ALL



**DIMENSIONAL DATA - EDM4X, EDM2X**

Model	Size (tons)	All Dimensions Inches (English)									Shipping Weight (lbs) Aluminum
		A	B	C	D	E	F	G			
EDM *X 18B AL	1-1/2	25-7/8	15-5/8	13-7/8	10-11/16	10-11/16	-	5/8	55.5		
EDM *X 24B AL	2	25-7/8	15-5/8	13-7/8	10-11/16	10-11/16	-	5/8	56.5		
EDM *X 24F AL	2	25-7/8	19-1/4	17-1/2	10-11/16	10-11/16	-	5/8	60.0		
EDM *X 30B AL	2-1/2	25-7/8	15-5/8	13-7/8	19-3/4	-	19-3/4	3/4	60.0		
EDM *X 30F AL	2-1/2	25-7/8	19-1/4	17-1/2	10-11/16	-	19-3/4	3/4	64.0		
EDM *X 36B AL	3	29-3/4	15-5/8	13-7/8	19-3/4	-	19-3/4	3/4	66.0		
EDM *X 36F AL	3	29-3/4	19-1/4	17-1/2	19-3/4	-	19-3/4	3/4	72.5		
EDM *X 36J AL	3	29-3/4	22-7/8	21-1/8	19-3/4	-	19-3/4	3/4	77.0		
EDM *X 42F AL	3-1/2	29-3/4	19-1/4	17-1/2	19-3/4	-	19-3/4	7/8	77.0		
EDM *X 42J AL	3-1/2	29-3/4	22-7/8	21-1/8	19-3/4	-	19-3/4	7/8	78.5		
EDM *X 42L AL	3-1/2	29-3/4	24-1/2	22-3/4	19-3/4	-	19-3/4	7/8	80.5		
EDM *X 48F AL	4	35	19-1/4	17-1/2	19-3/4	-	19-3/4	7/8	93.0		
EDM *X 48J AL	4	29-3/4	22-7/8	21-1/8	19-3/4	-	19-3/4	7/8	86.0		
EDM *X 48L AL	4	29-3/4	24-1/2	22-3/4	19-3/4	-	19-3/4	7/8	87.3		
EDM *X 60J AL	5	35	22-7/8	21-1/8	19-3/4	-	19-3/4	7/8	91.0		
EDM *X 60L AL	5	35	24-1/2	22-3/4	19-3/4	-	19-3/4	7/8	100.0		

\* = 2 for R-22  
 \* = 4 for R-410A



**DIMENSIONAL DATA - EDM4X, EDM2X**

Model	Size (tons)	All Dimensions mm (SI Metric)									Shipping Weight (kg)
		A	B	C	D	E	F	G	Aluminum		
EDM *X 18B AL	1-1/2	657	397	352	272	272	-	16	25		
EDM *X 24B AL	2	657	397	352	272	272	-	16	25		
EDM *X 24F AL	2	657	489	445	272	272	-	16	27		
EDM *X 30B AL	2-1/2	657	397	352	502	-	502	19	27		
EDM *X 30F AL	2-1/2	657	489	445	272	-	502	19	28		
EDM *X 36B AL	3	756	397	352	502	-	502	19	29		
EDM *X 36F AL	3	756	489	445	502	-	502	19	32		
EDM *X 36J AL	3	756	581	537	502	-	502	19	34		
EDM *X 42F AL	3-1/2	756	489	445	502	-	502	22	34		
EDM *X 42J AL	3-1/2	756	581	537	502	-	502	22	35		
EDM *X 42L AL	3-1/2	756	622	579	502	-	502	22	35		
EDM *X 48F AL	4	889	489	445	502	-	502	22	40		
EDM *X 48J AL	4	756	581	537	502	-	502	22	38		
EDM *X 48L AL	4	756	622	579	502	-	502	22	38		
EDM *X 60J AL	5	889	581	537	502	-	502	22	40		
EDM *X 60L AL	5	889	622	578	502	-	502	22	44		

\* = 2 for R-22  
 \* = 4 for R-410A

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 1-1/2 tons	500	0.096	0.106	42J 3-1/2 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		42L 3-1/2 tons	1200	0.114
24F 2 tons	700	0.110	0.118	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 2-1/2 tons	800	0.137	0.143	1600		0.182	0.222
	900	0.169	0.174	48F 4 tons	1400	0.250	0.263
	1000	0.204	0.211		1500	0.284	0.297
	1100	0.241	0.251		1600	0.320	0.336
30F 2-1/2 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
	1200	0.262	0.281		1800	0.303	0.314
36F 3 tons	1300	0.303	0.325	48L 4 tons	1400	0.180	0.193
	1400	0.349	0.374		1500	0.198	0.214
	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	
36J 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
	1100	0.121	0.124	2000	0.347	0.381	
42F 3-1/2 tons	1200	0.139	0.144	60L 5 tons	1700	0.232	0.263
	1300	0.159	0.166		1800	0.256	0.291
	1400	0.181	0.190		1900	0.283	0.321
	1200	0.180	0.208		2000	0.308	0.354
	1300	0.201	0.231				
	1400	0.228	0.275				
	1500	0.267	0.314				
	1600	0.291	0.348				