



EDM4X, EDM2X

Product Specifications

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 main tubing and aluminum fins (copper stubs for field connection)



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.ahridirectory.org.



WARRANTY*

R- 22

- 5 year parts limited warranty

* For owner occupied, residential applications only. See warranty certificate for complete details and restrictions, including warranty coverage for other applications.

R- 410A

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

* For owner occupied, residential applications only. See warranty certificate for complete details and restrictions, including warranty coverage for other applications.

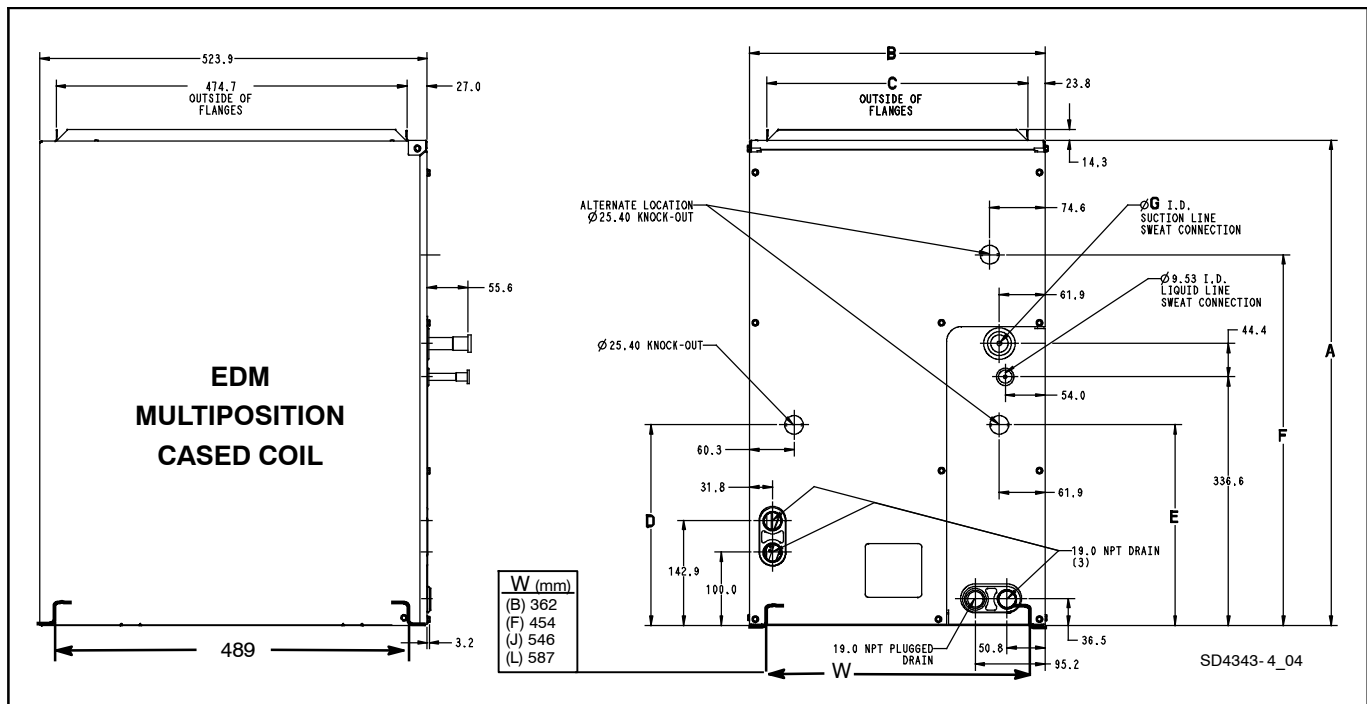
COIL MODEL NUMBER IDENTIFICATION GUIDE									
	E	D	M	4	X	18	B	AL	1
E = Evaporator		TYPE	M = Cased, Multiposition D = Cased Upflow / Downflow	APPLICATION	REFRIGERANT	METERING DEVICE	NOMINAL CAPACITY	WIDTH (matches furnace)	SALES CODE / FEATURES
D = Deluxe									
M = Cased, Multiposition		TYPE	M = Cased, Multiposition D = Cased Upflow / Downflow	APPLICATION	REFRIGERANT	METERING DEVICE	NOMINAL CAPACITY	WIDTH (matches furnace)	SALES CODE / FEATURES
D = Cased Upflow / Downflow									
2 = R-22		TYPE	M = Cased, Multiposition D = Cased Upflow / Downflow	APPLICATION	REFRIGERANT	METERING DEVICE	NOMINAL CAPACITY	WIDTH (matches furnace)	SALES CODE / FEATURES
4 = Environmentally Sound R- 410A									
X = TXV		TYPE	M = Cased, Multiposition D = Cased Upflow / Downflow	APPLICATION	REFRIGERANT	METERING DEVICE	NOMINAL CAPACITY	WIDTH (matches furnace)	SALES CODE / FEATURES
18 = 18,000 BTUH = 1- 1/2 tons									
24 = 24,000 BTUH = 2 tons		TYPE	M = Cased, Multiposition D = Cased Upflow / Downflow	APPLICATION	REFRIGERANT	METERING DEVICE	NOMINAL CAPACITY	WIDTH (matches furnace)	SALES CODE / FEATURES
30 = 30,000 BTUH = 2- 1/2 tons									
36 = 36,000 BTUH = 3 tons		TYPE	M = Cased, Multiposition D = Cased Upflow / Downflow	APPLICATION	REFRIGERANT	METERING DEVICE	NOMINAL CAPACITY	WIDTH (matches furnace)	SALES CODE / FEATURES
42 = 42,000 BTUH = 3- 1/2 tons									
48 = 48,000 BTUH = 4 tons		TYPE	M = Cased, Multiposition D = Cased Upflow / Downflow	APPLICATION	REFRIGERANT	METERING DEVICE	NOMINAL CAPACITY	WIDTH (matches furnace)	SALES CODE / FEATURES
60 = 60,000 BTUH = 5 tons									
61 = 60,000 BTUH = 5 tons		TYPE	M = Cased, Multiposition D = Cased Upflow / Downflow	APPLICATION	REFRIGERANT	METERING DEVICE	NOMINAL CAPACITY	WIDTH (matches furnace)	SALES CODE / FEATURES
B = 15.5"									
F = 19.1"		TYPE	M = Cased, Multiposition D = Cased Upflow / Downflow	APPLICATION	REFRIGERANT	METERING DEVICE	NOMINAL CAPACITY	WIDTH (matches furnace)	SALES CODE / FEATURES
J = 22.8"									
L = 24.5"		TYPE	M = Cased, Multiposition D = Cased Upflow / Downflow	APPLICATION	REFRIGERANT	METERING DEVICE	NOMINAL CAPACITY	WIDTH (matches furnace)	SALES CODE / FEATURES
AL = Aluminum									
Engineering Revision		TYPE	M = Cased, Multiposition D = Cased Upflow / Downflow	APPLICATION	REFRIGERANT	METERING DEVICE	NOMINAL CAPACITY	WIDTH (matches furnace)	SALES CODE / FEATURES

PHYSICAL DATA									
	Model Size								
	18	24	30	36	42	48F	48J, 48L	60	61
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	N/A
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)								
Nominal Acceptable CFM Range									
CFM (L/s) - min CFM (L/s) - max	525 (248) 625 (295)	700 (330) 900 (425)	875 (413) 1125 (531)	1050 (496) 1350 (637)	1225 (578) 1600 (755)	1400 (661) 1800 (849)		1750 (826) 2000 (944)	1500 (708) 2000 (944)
Coil Data (all coils 2 slab "A" configuration, lanced sine wave bare aluminum fin)									
Face Area ft² (m²)	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)	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)	30 x 16- 1/2 (762 x 419)
Fins Per Inch	17		16	15		12		13	16
Refrigerant Line Connections (sweat)									
Liquid in. (mm)	3/8 (10)								
Suction in. (mm)	5/8 (16)		3/4 (19)		7/8 (22)				

ACCESSORIES		
Description	Part Number	Use with models EDM
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



* = 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 61J AL	5	889	581	537	502	-	502	22	42			
EDM *X 60L AL	5	889	622	578	502	-	502	22	44			

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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 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 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
	1100	0.168	0.181		1500		0.219	0.225
36B 3 tons	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	
	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	
	1300	0.203	0.216		60J 5 tons	1700	0.260	0.285
1400	0.227	0.245	1800			0.288	0.315	
36J 3 tons	1000	0.104	0.106			1900	0.316	0.346
	1100	0.121	0.124		2000	0.347	0.381	
	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
42F 3- 1/2 tons	1200	0.180	0.208			2000	0.308	0.354
	1300	0.201	0.231		61J 5 tons	1500	0.262	0.320
	1400	0.228	0.275			1600	0.293	0.355
	1500	0.267	0.314			1700	0.326	0.400
1600	0.291	0.348	1800			0.366	0.435	
						1900	0.392	0.480