



EDM4X, EDM2X-“T”, EDD4X, EDA4X Product Specifications

EXPANSION VALVE COILS

ALL MODELS

- 1-1/2 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 (equalizer tube brazed in)
- 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
- 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 (EDM tin-coated available for R-22 systems)
- Two UV light knock-outs provided on cabinet
- Available with industry exclusive tin coated copper main tubing for additional corrosion protection

EDD

- Upflow or downflow installation
- Available for R-410A
- Two UV light knock-outs provided on cabinet
- Available with industry exclusive tin coated copper main tubing for additional corrosion protection

UNCASED A-COILS

EDA

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



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.



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

WARRANTY*

Parts Limited Warranty			
R-410A		R-22	
EDM4, EDD4, EDA4	5 year - With timely registration, an additional 5 year.	EDM2X-“T”	5 Year

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

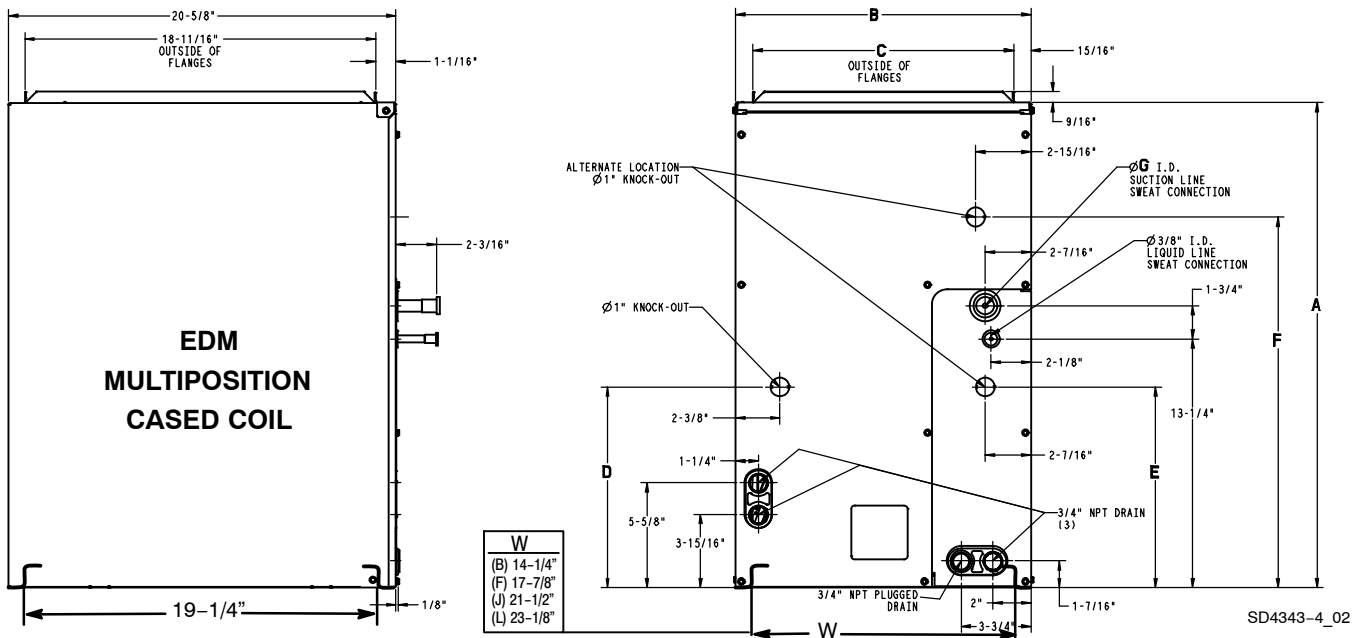
Specifications subject to change without notice.

COIL MODEL NUMBER IDENTIFICATION GUIDE

	E	D	M	4	X	18	B	A	1
E = Evaporator			M = Cased, Multiposition D = Cased Upflow / Downflow A = Uncased	4 = Environmentally Sound R-410A	X = TXV	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 = 15.5" F = 19.1" J = 22.8" L = 24.5"	A = Standard AT = Tin Coated Copper Tubes for Additional Corrosion Protection	1
D = Deluxe	TYPE								
APPLICATION									
			REFRIGERANT						
			METERING DEVICE						

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" (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)
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)
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
Refrigerant Line Connections (sweat)								
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	
		EDA	EDM, EDD
Fossil Fuel Kit	AXWR01DFC	ALL	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	ALL

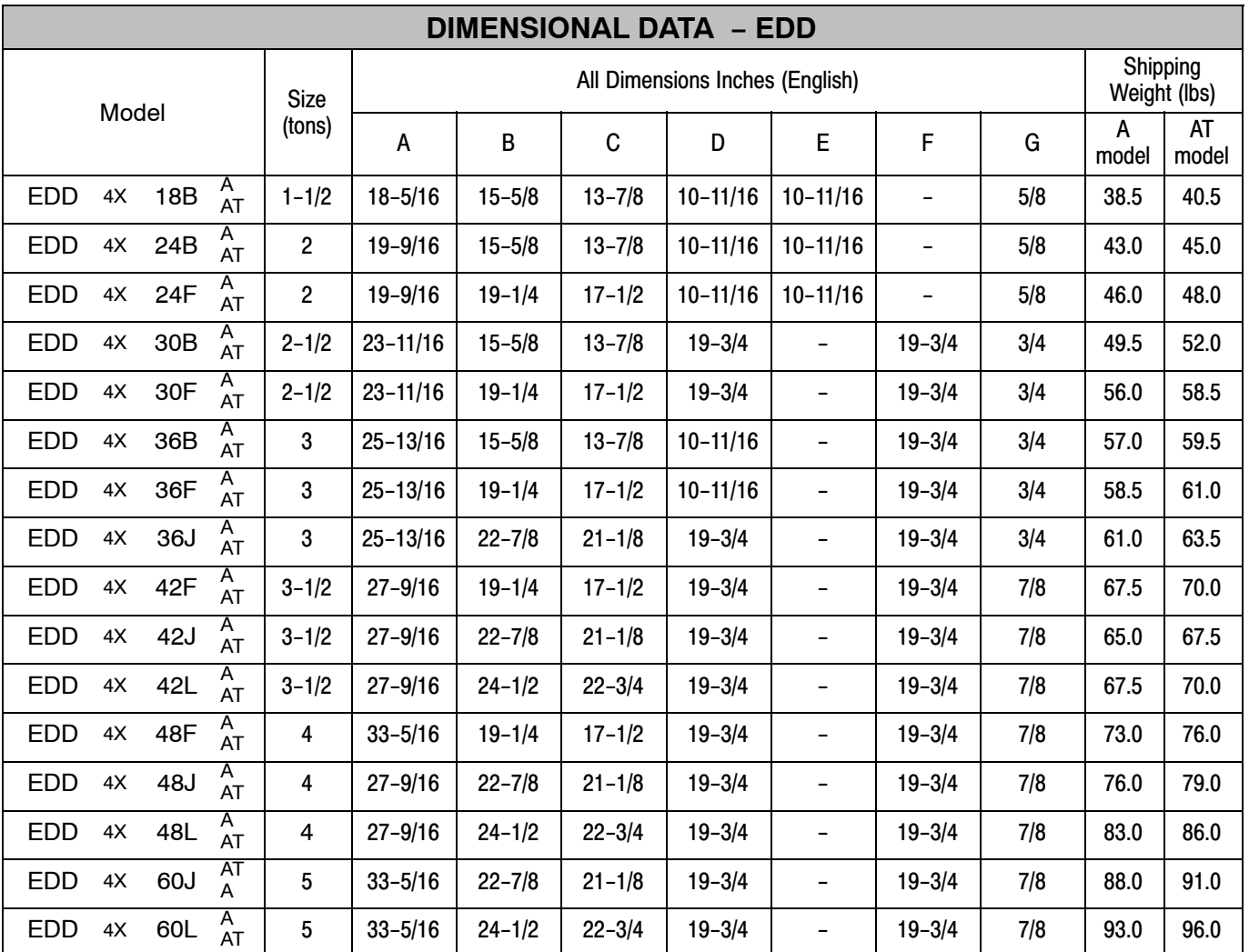


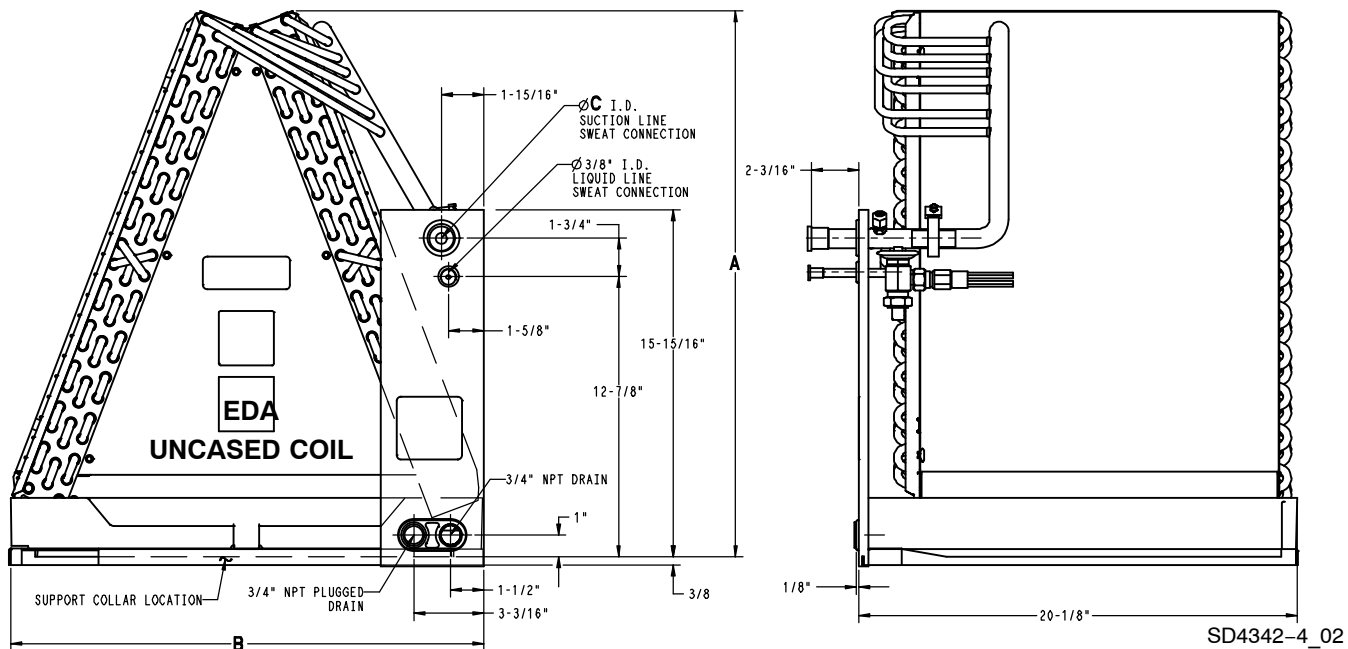
DIMENSIONAL DATA - EDM4, EDM2X-"T"

Model	Size (tons)	All Dimensions Inches (English)									Shipping Weight (lbs)	
		A	B	C	D	E	F	G	A model	AT model		
EDM 4X 18B A AT	1-1/2	25-7/8	15-5/8	13-7/8	10-11/16	10-11/16	-	5/8	54.0	55.5		
EDM 4X 24B A AT	2	25-7/8	15-5/8	13-7/8	10-11/16	10-11/16	-	5/8	56.0	56.5		
EDM 4X 24F A AT	2	25-7/8	19-1/4	17-1/2	10-11/16	10-11/16	-	5/8	59.5	60.0		
EDM 4X 30B A AT	2-1/2	25-7/8	15-5/8	13-7/8	19-3/4	-	19-3/4	3/4	58.5	60.0		
EDM 4X 30F A AT	2-1/2	25-7/8	19-1/4	17-1/2	10-11/16	-	19-3/4	3/4	62.0	64.0		
EDM 4X 36B A AT	3	29-3/4	15-5/8	13-7/8	19-3/4	-	19-3/4	3/4	64.0	66.0		
EDM 4X 36F A AT	3	29-3/4	19-1/4	17-1/2	19-3/4	-	19-3/4	3/4	69.5	72.5		
EDM 4X 36J A AT	3	29-3/4	22-7/8	21-1/8	19-3/4	-	19-3/4	3/4	75.5	77.0		
EDM 4X 42F A AT	3-1/2	29-3/4	19-1/4	17-1/2	19-3/4	-	19-3/4	7/8	75.0	77.0		
EDM 4X 42J A AT	3-1/2	29-3/4	22-7/8	21-1/8	19-3/4	-	19-3/4	7/8	76.0	78.5		
EDM 4X 42L A AT	3-1/2	29-3/4	24-1/2	22-3/4	19-3/4	-	19-3/4	7/8	77.5	80.5		
EDM 4X 48F A AT	4	35	19-1/4	17-1/2	19-3/4	-	19-3/4	7/8	89.0	93.0		
EDM 4X 48J A AT	4	29-3/4	22-7/8	21-1/8	19-3/4	-	19-3/4	7/8	83.0	86.0		
EDM 4X 48L A AT	4	29-3/4	24-1/2	22-3/4	19-3/4	-	19-3/4	7/8	84.5	87.3		
EDM 4X 60J A AT	5	35	22-7/8	21-1/8	19-3/4	-	19-3/4	7/8	88.0	91.0		
EDM 4X 60L A AT	5	35	24-1/2	22-3/4	19-3/4	-	19-3/4	7/8	97.0	100.0		

NOTE: Only EDM2X***AT available for R-22.

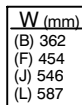
Expansion Valve Coils: EDM4, EDM2X-"T", EDD4, EDA4





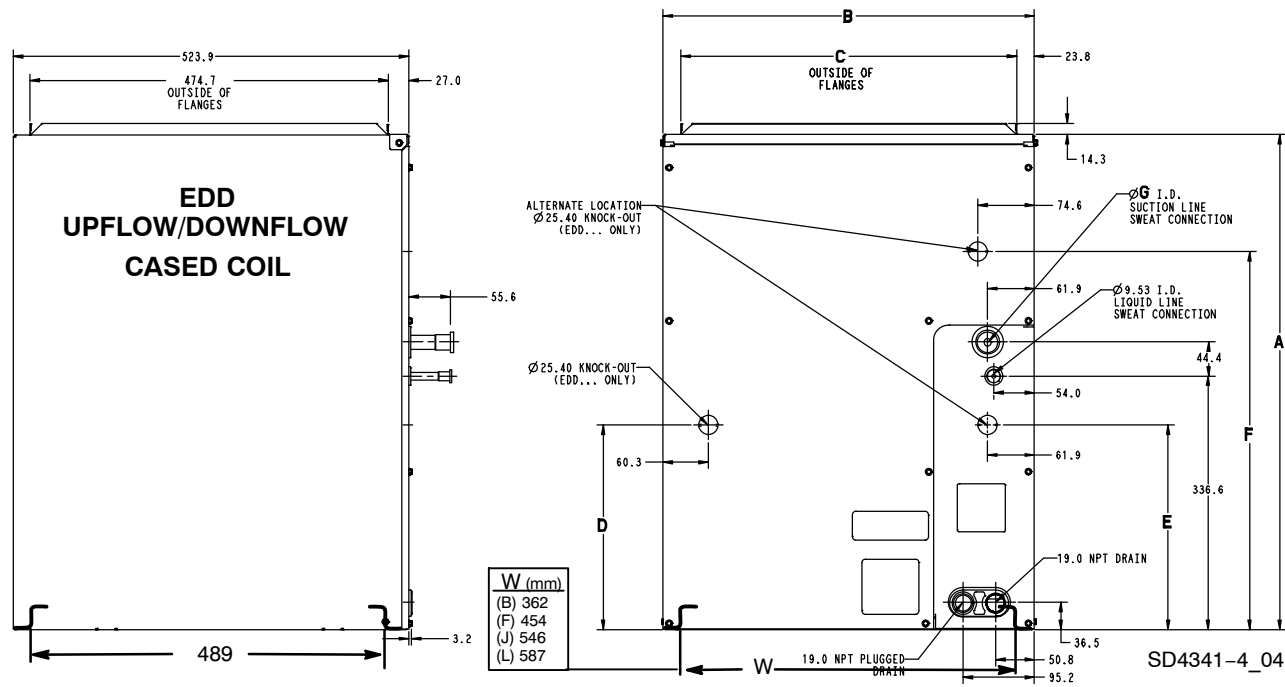
DIMENSIONAL DATA – EDA

Model	Size (tons)	All Dimensions Inches (English)			Shipping Weight (lbs)	
		A	B	C	A model	AT model
EDA 4X 18B ^A / _{AT}	1-1/2	13-3/8	14-7/16	5/8	24.5	25.5
EDA 4X 24B ^A / _{AT}	2	17-9/16	14-7/16	5/8	29.0	30.0
EDA 4X 24F ^A / _{AT}	2	16-15/16	18-1/16	5/8	30.0	31.0
EDA 4X 30B ^A / _{AT}	2-1/2	21-3/4	14-7/16	3/4	32.0	33.0
EDA 4X 30F ^A / _{AT}	2-1/2	21-3/16	18-1/16	3/4	34.5	35.4
EDA 4X 36B ^A / _{AT}	3	23-3/4	14-7/16	3/4	35.0	36.0
EDA 4X 36F ^A / _{AT}	3	23-1/4	18-1/16	3/4	37.5	39.5
EDA 4X 36J ^A / _{AT}	3	22-5/8	21-11/16	3/4	38.0	40.0
EDA 4X 42F ^A / _{AT}	3-1/2	25-5/16	18-1/16	7/8	40.5	42.5
EDA 4X 42J ^A / _{AT}	3-1/2	24-3/4	21-11/16	7/8	40.5	42.5
EDA 4X 42L ^A / _{AT}	3-1/2	24-1/2	23-5/16	7/8	42.5	45.0
EDA 4X 48F ^A / _{AT}	4	29-11/16	18-1/16	7/8	50.0	53.0
EDA 4X 48J ^A / _{AT}	4	25-1/16	21-11/16	7/8	52.0	55.0
EDA 4X 48L ^A / _{AT}	4	24-13/16	23-5/16	7/8	55.0	58.0
EDA 4X 60J ^A / _{AT}	5	31-5/16	21-11/16	7/8	58.5	61.5
EDA 4X 60L ^A / _{AT}	5	31-1/16	23-5/16	7/8	62.0	65.0



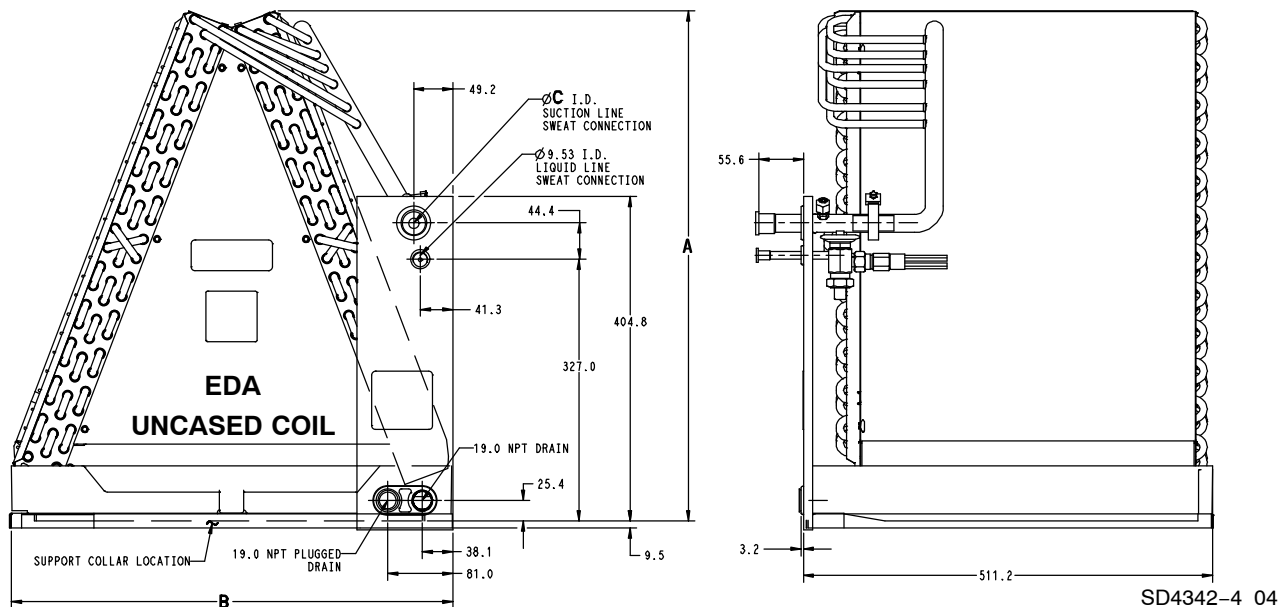
DIMENSIONAL DATA – EDM4, EDM2X–”T”														
Model					Size (tons)	All Dimensions mm (SI Metric)							Shipping Weight (kg)	
						A	B	C	D	E	F	G	A model	AT model
EDM	4X 2X	18B	A AT	1–1/2	657	397	352	272	272	–	16	25	25	
EDM	4X 2X	24B	A AT	2	657	397	352	272	272	–	16	25	26	
EDM	4X 2X	24F	A AT	2	657	489	445	272	272	–	16	27	27	
EDM	4X 2X	30B	A AT	2–1/2	657	397	352	502	–	502	19	27	27	
EDM	4X 2X	30F	A AT	2–1/2	657	489	445	272	–	502	19	28	29	
EDM	4X 2X	36B	A AT	3	756	397	352	502	–	502	19	29	30	
EDM	4X 2X	36F	A AT	3	756	489	445	502	–	502	19	32	33	
EDM	4X 2X	36J	A AT	3	756	581	537	502	–	502	19	34	35	
EDM	4X 2X	42F	A AT	3–1/2	756	489	445	502	–	502	22	34	35	
EDM	4X 2X	42J	A AT	3–1/2	756	581	537	502	–	502	22	35	36	
EDM	4X 2X	42L	A AT	3–1/2	756	622	579	502	–	502	22	35	37	
EDM	4X 2X	48F	A AT	4	889	489	445	502	–	502	22	40	42	
EDM	4X 2X	48J	A AT	4	756	581	537	502	–	502	22	38	39	
EDM	4X 2X	48L	A AT	4	756	622	579	502	–	502	22	38	40	
EDM	4X 2X	60J	A AT	5	889	581	537	502	–	502	22	40	41	
EDM	4X 2X	60L	A AT	5	889	622	578	502	–	502	22	44	45	

Specifications subject to change without notice.



DIMENSIONAL DATA - EDD

Model	Size (tons)	All Dimensions mm (SI Metric)									Shipping Weight (kg)	
		A	B	C	D	E	F	G	A model	AT model		
EDD 4X 18B ^A / _{AT}	1-1/2	465	397	352	272	272	-	16	18	18		
EDD 4X 24B ^A / _{AT}	2	497	397	352	272	272	-	16	20	20		
EDD 4X 24F ^A / _{AT}	2	497	489	445	272	272	-	16	21	22		
EDD 4X 30B ^A / _{AT}	2-1/2	602	397	352	502	-	502	19	22	24		
EDD 4X 30F ^A / _{AT}	2-1/2	602	489	445	502	-	502	19	25	27		
EDD 4X 36B ^A / _{AT}	3	656	397	352	502	-	502	19	26	27		
EDD 4X 36F ^A / _{AT}	3	656	489	445	502	-	502	19	27	28		
EDD 4X 36J ^A / _{AT}	3	656	581	537	502	-	502	19	28	29		
EDD 4X 42F ^A / _{AT}	3-1/2	700	489	445	502	-	502	22	31	32		
EDD 4X 42J ^A / _{AT}	3-1/2	700	581	537	502	-	502	22	30	31		
EDD 4X 42L ^A / _{AT}	3-1/2	700	622	578	502	-	502	22	31	32		
EDD 4X 48F ^A / _{AT}	4	846	489	445	502	-	502	22	33	35		
EDD 4X 48J ^A / _{AT}	4	700	581	537	502	-	502	22	35	36		
EDD 4X 48L ^A / _{AT}	4	700	622	578	502	-	502	22	38	39		
EDD 4X 60J ^{AT} / _A	5	846	581	537	502	-	502	22	40	41		
EDD 4X 60L ^A / _{AT}	5	846	622	578	502	-	502	22	42	42		



DIMENSIONAL DATA - EDA								
Model	Size (tons)	All Dimensions mm (SI Metric)			Shipping Weight (kg)		A model	AT model
		A	B	C				
EDA 4X 18B ^A / _{AT}	1-1/2	340	367	16	11	12		
EDA 4X 24B ^A / _{AT}	2	446	367	16	13	14		
EDA 4X 24F ^A / _{AT}	2	430	459	16	14	14		
EDA 4X 30B ^A / _{AT}	2-1/2	552	367	19	15	15		
EDA 4X 30F ^A / _{AT}	2-1/2	538	459	19	16	16		
EDA 4X 36B ^A / _{AT}	3	603	367	19	16	16		
EDA 4X 36F ^A / _{AT}	3	591	459	19	17	18		
EDA 4X 36J ^A / _{AT}	3	575	551	19	17	18		
EDA 4X 42F ^A / _{AT}	3-1/2	643	459	22	19	20		
EDA 4X 42J ^A / _{AT}	3-1/2	629	551	22	18	19		
EDA 4X 42L ^A / _{AT}	3-1/2	622	592	22	19	20		
EDA 4X 48F ^A / _{AT}	4	754	459	22	23	24		
EDA 4X 48J ^A / _{AT}	4	637	551	22	24	25		
EDA 4X 48L ^A / _{AT}	4	630	592	22	25	26		
EDA 4X 60J ^A / _{AT}	5	795	551	22	27	28		
EDA 4X 60L ^A / _{AT}	5	789	592	22	28	30		

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	0.142
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
	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					
	1400	0.228	0.275					
	1500	0.267	0.314					
	1600	0.291	0.348					