

TECHNICAL SUPPORT MANUAL

“WT” A-Coils for Replacement Service

EXA, EPA

Safety Labeling and Signal Words

DANGER, WARNING, CAUTION, and NOTE

The signal words **DANGER**, **WARNING**, **CAUTION**, and **NOTE** are used to identify levels of hazard seriousness. The signal word **DANGER** is only used on product labels to signify an immediate hazard. The signal words **WARNING**, **CAUTION**, and **NOTE** will be used on product labels and throughout this manual and other manuals that may apply to the product.

DANGER – Immediate hazards which **will** result in severe personal injury or death.

WARNING – Hazards or unsafe practices which **could** result in severe personal injury or death.

CAUTION – Hazards or unsafe practices which **may** result in minor personal injury or product or property damage.

NOTE – Used to highlight suggestions which **will** result in enhanced installation, reliability, or operation.

Signal Words in Manuals

The signal word **WARNING** is used throughout this manual in the following manner:



The signal word **CAUTION** is used throughout this manual in the following manner:



Signal Words on Product Labeling

Signal words are used in combination with colors and/or pictures on product labels.

TABLE OF CONTENTS

Exploded Drawing	2 – 3
EXA Parts List	4
EPA Parts List	4
Airflow vs. Static Pressure Chart	5 – 6
Model Number Identification	7

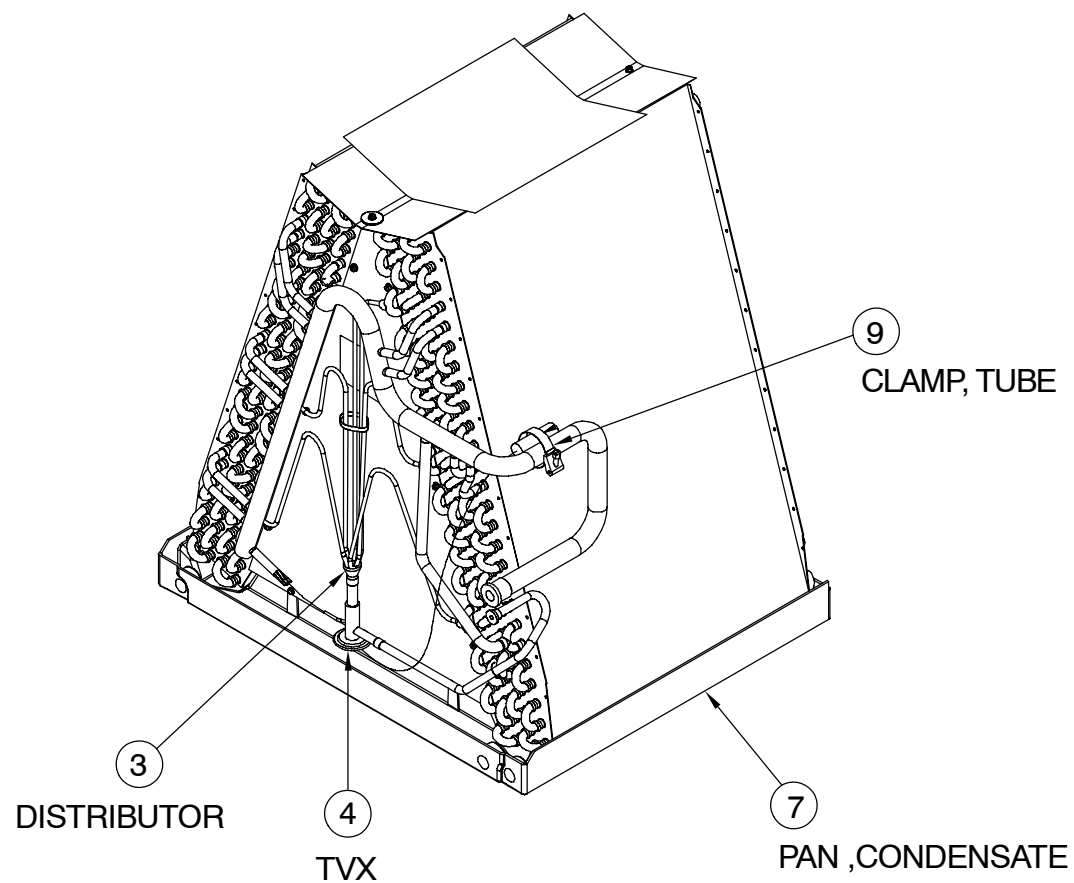


ELECTRICAL SHOCK HAZARD

Failure to turn off electric power could result in personal injury or death.

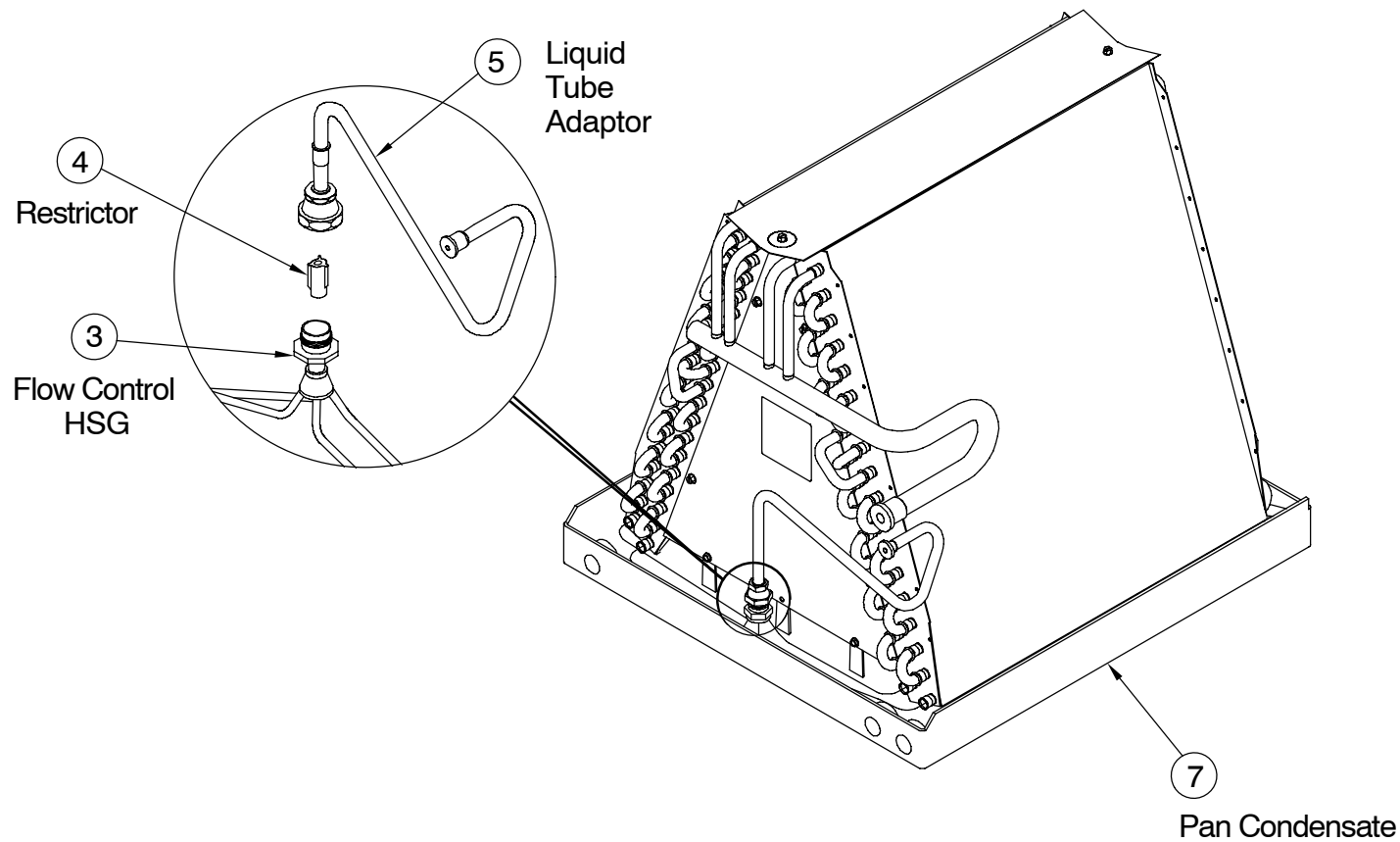
Before installing or servicing system, turn off main power to the system. There may be more than one disconnect switch, including accessory heater(s).

NOTE: This illustration is for reference only. Your unit may differ in appearance or may not include all components shown.



EXA

NOTE: This illustration is for reference only. Your unit may differ in appearance or may not include all components shown.



EPA

EXA24B15WT1–EXA60N26WT1 SERIES PARTS LIST

KEY NO.	DESCRIPTION	PART NO.	EXA24B15WT1	EXA24F19WT1	EXA36B15WT1	EXA36F19WT1	EXA36J22WT1	EXA42F19WT1	EXA42J22WT1	EXA48J22WT1	EXA48L24WT1	EXA48N26WT1	EXA60L24WT1	EXA60N26WT1
3	Distributor	1062727	1	1	1	1	1	1	1	1	1	1	1	1
4	Valve, Thermal Expansion	1082871	1	1	1	1	1	–	–	–	–	–	–	–
4		1087340	–	–	–	–	–	1	1	–	–	–	–	–
4		1082873	–	–	–	–	–	–	–	1	1	1	–	–
4		1087341	–	–	–	–	–	–	–	–	–	–	1	1
7	Pan, Drain 15"	1082775	1	–	1	–	–	–	–	–	–	–	–	–
7	19"	1082776	–	1	–	1	–	1	–	–	–	–	–	–
7	22"	1082777	–	–	–	–	1	–	1	1	–	–	–	–
7	24"	1087640	–	–	–	–	–	–	–	–	1	–	1	–
7	26"	1085353	–	–	–	–	–	–	–	–	–	1	–	1
9	Clamp, Tube/Bulb	1063118	1	1	1	1	1	1	1	1	1	1	1	1
) (	Plug, Drain Pan (White)	1082965	1	1	1	1	1	1	1	1	1	1	1	1
) (	Plug, Drain Pan (Blue)	1083241	2	2	2	2	2	2	2	2	2	2	2	2
) (	Adapter, Male	1085010	1	1	1	1	1	1	1	1	1	1	1	1
) (	Manual, Installation	48401500000	1	1	1	1	1	1	1	1	1	1	1	1

EPA18B15WT1–EPA60N26WT1 SERIES PARTS LIST

KEY NO.	DESCRIPTION	PART NO.	EPA18B15WT1	EPA24B15WT1	EPA24F19WT1	EPA30B15WT1	EPA30F19WT1	EPA36B15WT1	EPA36F19WT1	EPA36J22WT1	EPA42F19WT1	EPA42J22WT1	EPA48F19WT1	EPA48J22WT1	EPA48L24WT1	EPA48N26WT1	EPA60J22WT1	EPA60L24WT1	EPA60N26WT1
3	Housing, Flow Control	1082972	1	1	1	1	1	1	1	1	–	–	–	–	–	–	–	–	–
3		1082973	–	–	–	–	–	–	–	–	1	1	1	1	1	1	1	1	1
4	Restrictor, .051	1053110	1	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
4	.057	1085975	–	1	1	–	–	–	–	–	–	–	–	–	–	–	–	–	–
4	.065	1093424	–	–	–	1	1	–	–	–	–	–	–	–	–	–	–	–	–
4	.073	1054027	–	–	–	–	–	1	1	1	–	–	–	–	–	–	–	–	–
4	.078	1053112	–	–	–	–	–	–	–	–	1	1	–	–	–	–	–	–	–
4	.079	1053661	–	–	–	–	–	–	–	–	–	–	1	1	1	1	–	–	–
4	.092	1053712	–	–	–	–	–	–	–	–	–	–	–	–	–	–	1	1	1
5	Adapter, Flow Control	1082860	1	1	–	1	–	1	–	–	–	–	–	–	–	–	–	–	–
5		1082864	–	–	1	–	1	–	1	–	–	–	–	–	–	–	–	–	–
5		1082959	–	–	–	–	–	–	–	1	–	–	–	–	–	–	–	–	–
5		1082862	–	–	–	–	–	–	–	–	1	–	1	–	–	–	–	–	–
5		1082857	–	–	–	–	–	–	–	–	–	1	–	1	–	–	1	–	–
5		1084878	–	–	–	–	–	–	–	–	–	–	–	1	–	–	–	1	–
5		1082966	–	–	–	–	–	–	–	–	–	–	–	–	1	–	–	–	1
7	Pan, Drain 15"	1082775	1	1	–	1	–	1	–	–	–	–	–	–	–	–	–	–	–
7	19"	1082776	–	–	1	–	1	–	1	–	1	–	–	–	–	–	–	–	–
7	22"	1082777	–	–	–	–	–	–	–	1	–	1	–	1	–	–	1	–	–
7	24"	1087640	–	–	–	–	–	–	–	–	–	–	–	–	1	–	–	1	–
7	26"	1085353	–	–	–	–	–	–	–	–	–	–	–	–	–	1	–	–	1
) (	Plug, Drain Pan (White)	1082965	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
) (	Plug, Drain Pan (Blue)	1083241	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
) (	Adapter, Male Drain	1085010	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
) (	Manual, Installation	48401500000	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1

EXA	Static Pressure Drop Across Coil at a Given CFM		
Coil Size	CFM Across Coil	Static Pressure Drop Across Coil (Inches Water Column)	
		Dry	Wet
24B, F 2 tons	600	0.13	0.16
	700	0.17	0.20
	800	0.22	0.26
	900	0.28	0.33
	1000	0.34	0.40
36B, F 3 tons	900	0.18	0.21
	1000	0.21	0.26
	1100	0.25	0.30
	1200	0.29	0.36
	1300	0.34	0.41
36J 3 tons	1000	0.14	0.20
	1100	0.16	0.23
	1200	0.18	0.26
	1300	0.21	0.30
	1400	0.21	0.33
42F,J 3½ tons	1000	0.19	0.23
	1100	0.22	0.27
	1200	0.26	0.31
	1300	0.30	0.35
	1400	0.34	0.40
48J, L, N 4 tons	1200	0.17	0.22
	1300	0.20	0.25
	1400	0.22	0.28
	1500	0.25	0.31
	1600	0.27	0.34
60L, N 5 tons	1100	0.18	0.22
	1200	0.21	0.25
	1300	0.24	0.29
	1400	0.27	0.34
	1500	0.30	0.38
	1600	0.34	0.42
	1700	0.37	0.47

EPA	Static Pressure Drop Across Coil at a Given CFM		
Coil Size	CFM Across Coil	Static Pressure Drop Across Coil (Inches Water Column)	
		Dry	Wet
EPA18B 1½ tons	400	0.06	0.08
	500	0.09	0.12
	600	0.13	0.16
	700	0.18	0.20
	800	0.23	0.26
EPA24B, F 2 tons	600	0.11	0.12
	700	0.14	0.15
	800	0.18	0.19
	900	0.23	0.23
	1000	0.27	0.29
EPA30B 2½ tons	800	0.18	0.22
	900	0.22	0.27
	1000	0.28	0.33
	1100	0.33	0.39
	1200	0.39	0.46

– continued on next page –

EPA	Static Pressure Drop Across Coil at a Given CFM (continued)		
Coil Size	CFM Across Coil	Static Pressure Drop Across Coil (Inches Water Column)	
		Dry	Wet
EPA30F 2½ tons	800	0.13	0.17
	900	0.16	0.20
	1000	0.19	0.24
	1100	0.22	0.28
	1200	0.26	0.33
EPA36B 3 tons	800	0.18	0.20
	900	0.22	0.24
	1000	0.27	0.30
	1100	0.32	0.37
	1200	0.37	0.44
	1300	0.43	0.50
EPA36F, J 3 tons	1400	0.50	0.59
	1000	0.19	0.21
	1100	0.21	0.24
	1200	0.25	0.28
	1300	0.29	0.33
EPA42F 3½ tons	1400	0.33	0.37
	1000	0.21	0.27
	1100	0.25	0.32
	1200	0.29	0.37
	1300	0.33	0.43
EPA42J 3½ tons	1400	0.33	0.49
	1000	0.18	0.23
	1100	0.21	0.27
	1200	0.24	0.31
	1300	0.26	0.35
EPA48F 4 tons	1400	0.20	0.25
	1100	0.23	0.29
	1200	0.27	0.35
	1300	0.32	0.40
	1400	0.36	0.46
	1500	0.41	0.52
EPA48J 4 tons	1600	0.47	0.58
	1200	0.21	0.25
	1300	0.24	0.28
	1400	0.28	0.33
	1500	0.31	0.37
	1600	0.35	0.42
EPA48L, N 4 tons	1700	0.38	0.46
	1200	0.17	0.23
	1300	0.20	0.27
	1400	0.23	0.30
	1500	0.26	0.34
	1600	0.28	0.40
EPA60J 5 tons	1700	0.32	0.42
	1300	0.16	0.19
	1400	0.18	0.21
	1500	0.21	0.26
	1600	0.28	0.29
	1700	0.26	0.34
EPA60L, N 5 tons	1800	0.30	0.38
	1900	0.34	0.43
	1400	0.20	0.24
	1500	0.23	0.28
	1600	0.25	0.31
	1700	0.28	0.35
	1800	0.31	0.38
	1900	0.35	0.43

COIL MODEL NUMBER IDENTIFICATION GUIDE						
	E	P	A	36	B15	WT
E = Evaporator						
E = Entry Level Orifice Pin						
P = Orifice Pin						
X = TXV						
TYPE						
A = Uncased						
APPLICATION						
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						
NOMINAL CAPACITY						
B15 = 14¾" Drain Pan (For 15½" Cabinet)						
F19 = 18⅛" Drain Pan (For 15½" Cabinet)						
J22 = 21⅞" Drain Pan (For 15½" Cabinet)						
L24 = 23½" Drain Pan (For 15½" Cabinet)						
N26 = 25½" Drain Pan (For 15½" Cabinet)						
WIDTH						
WT = Replacement Service, Tin Coated Main Tubes						
REVISION CODE						