



ASZ13

SPLIT SYSTEM HEAT PUMP

13 SEER / R-410A

COOLING CAPACITY: 18,000 - 60,000 BTU/H

HEATING CAPACITY: 18,000 - 59,000 BTU/H

Standard Features

- R-410A chlorine-free refrigerant
- High-efficiency scroll compressor
- Copeland ComfortAlert diagnostics
- SmartShift™ technology to ensure quiet reliable defrost
- Factory-installed bi-flow liquid line filter drier
- Factory-installed suction line accumulator
- Factory-installed compressor crankcase heater
- Factory-installed high-capacity muffler
- Service valves with sweat connections and easy access to gauge ports
- Copper tube/enhanced aluminum fin coil
- Fully charged for 15' of tubing length
- Contactor with lug connection
- Ground lug connection
- AHRI Certified; ETL Listed

Cabinet Features

- Amana® brand sound control top design
- Wire fan discharge grille
- Steel louver coil guard
- Baked-on powder-paint finish
- Rust-resistant screws
- Compact footprint
- Top and side maintenance access
- Single-panel access to controls with space provided for field-installed accessories
- When properly anchored, meets the 2001 Florida Building Code unit integrity requirements for hurricane-type winds (Anchor bracket kits available.)



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* To receive the 10-Year Parts Limited Warranty, online registration must be completed within 60 days of installation. Online registration is not required in California or Québec. Full warranty details are available at www.amana-hac.com.

NOMENCLATURE

	A	S	Z	13	036	1	AA
	1	2	3	4,5	6,7,8	9	10,11
Brand	A Amana® Brand						
Product Category	S Split System						
Unit Type	C Condenser R-22 X Condenser R-410A H Heat Pump R-22 Z Heat Pump R-410A						
Efficiency	13 13 SEER 14 14 SEER 16 16 SEER 18 18 SEER						
				Engineering * Major/ Minor Revisions * Neither revision is used for order entry or inventory management.			
				Electrical			
				1 208/230 V, 1 Phase, 60 Hz 2 220/240 V, 1 Phase, 50 Hz 3 208/230 V, 3 Phase, 60 Hz 4 460 V, 3 Phase, 60 Hz 5 380/415 V, 3 Phase, 50 Hz			
				Nominal Capacity			
				018 1½ Tons 048 4 Tons 024 2 Tons 060 5 Tons 030 2½ Tons 090 7½ tons 036 3 Tons 120 10 Tons 042 3½ Tons			



SPECIFICATIONS

	ASZ13 0181A*	ASZ13 0241A*	ASZ13 0301A*	ASZ13 0361A*	ASZ13 0421A*	ASZ13 0481A*	ASZ13 0601A*
NOMINAL CAPACITIES							
Cooling (BTU/h)	17,400	23,000	28,400	35,000	40,500	46,000	57,000
Heating (BTU/h)	17,000	23,000	26,400	34,000	40,000	44,000	58,000
Decibels	70	70	71	71	72	74	75
COMPRESSOR							
RLA	9.0	12.8	14.1	16.7	17.9	19.9	26.4
LRA	48.0	58.3	73.0	79.0	112.0	109.0	134.0
CONDENSER FAN MOTOR							
Horsepower	1/6	1/6	1/6	¼	¼	¼	¼
FLA	0.9	0.9	0.9	1.50	1.50	1.50	1.50
REFRIGERATION SYSTEM							
Refrigerant Line Size ¹							
Liquid Line Size ("O.D.)	¾"	¾"	¾"	¾"	¾"	¾"	¾"
Suction Line Size ("O.D.)	¾"	¾"	¾"	7/8"	1 1/8"	1 1/8"	1 1/8"
Refrigerant Connection Size							
Liquid Valve Size ("O.D.)	¾"	¾"	¾"	¾"	¾"	¾"	¾"
Suction Valve Size ("O.D.)	¾"	¾"	¾"	¾"	7/8"	7/8"	7/8"
Valve Connection Type	Sweat	Sweat	Sweat	Sweat	Sweat	Sweat	Sweat
Refrigerant Charge	119	119	124	168	171	219	242
Shipped with Orifice Size	0.049	0.057	0.063	0.068	0.074	0.078	0.088
ELECTRICAL DATA							
Volts / Hz / Phase	208/230-60-1				208/230-60-1		
Minimum Circuit Ampacity ²	12.2	16.9	18.5	22.4	23.9	26.4	34.5
Max. Overcurrent Protection ³	20	25	30	35	40	45	60
Min / Max Volts	197 / 253	197 / 253	197 / 253	197 / 253	197 / 253	197 / 253	197 / 253
Electrical Conduit Size	½" or ¾"	½" or ¾"	½" or ¾"	½" or ¾"	½" or ¾"	½" or ¾"	½" or ¾"
SHIP WEIGHT (LBS)	178	176	177	216	240	256	310

¹ Tested and rated in accordance with AHRI Standard 210/240

² Wire size should be determined in accordance with National Electrical Codes; extensive wire runs will require larger wire sizes

³ Must use time-delay fuses or HACR-type circuit breakers of the same size as noted.

NOTES

- Always check the rating plate for electrical data on the unit being installed.
- Installer will need to supply ¾" to 1 1/8" adapters for suction line connections.
- Unit is charged with refrigerant for 15' of ¾" liquid line. System charge must be adjusted per Installation Instructions Final Charge Procedure.
- Installation of these units requires the specified TXV Kit to be installed on the indoor coil. THE SPECIFIED TXV IS DETERMINED BY THE OUTDOOR UNIT NOT THE INDOOR COIL.

EXPANDED COOLING DATA — ASZ130181A* / AR*F182416**

IDB	AIRFLOW	OUTDOOR AMBIENT TEMPERATURE																							
		65°F				75°F				85°F				95°F				105°F				115°F			
		59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71
70	MBh	17.1	17.7	19.4	-	16.7	17.3	18.9	-	16.3	16.9	18.5	-	15.9	16.4	18.0	-	15.1	15.6	17.1	-	14.0	14.5	15.9	-
	S/T	0.74	0.62	0.43	-	0.77	0.64	0.45	-	0.79	0.66	0.46	-	0.82	0.68	0.47	-	0.85	0.71	0.49	-	0.85	0.71	0.49	-
	ΔT	17	15	11	-	17	15	11	-	17	15	11	-	18	15	12	-	17	15	11	-	16	14	11	-
	kW	1.23	1.26	1.30	-	1.33	1.35	1.40	-	1.41	1.44	1.49	-	1.49	1.52	1.57	-	1.55	1.59	1.64	-	1.61	1.64	1.70	-
	Amps	5.5	5.6	5.8	-	5.9	6.0	6.2	-	6.3	6.5	6.6	-	6.7	6.9	7.1	-	7.1	7.3	7.5	-	7.5	7.6	7.9	-
	HI PR	216	232	245	-	242	261	275	-	275	296	313	-	314	337	356	-	353	380	401	-	390	419	443	-
	Lo PR	108	115	126	-	114	122	133	-	119	126	138	-	125	133	145	-	131	139	152	-	135	144	157	-
	MBh	16.6	17.2	18.8	-	16.2	16.8	18.4	-	15.8	16.4	17.9	-	15.4	16.0	17.5	-	14.6	15.2	16.6	-	13.6	14.0	15.4	-
	S/T	0.71	0.59	0.41	-	0.73	0.61	0.43	-	0.75	0.63	0.44	-	0.78	0.65	0.45	-	0.81	0.67	0.47	-	0.81	0.68	0.47	-
	ΔT	18	16	12	-	18	16	12	-	18	16	12	-	18	16	12	-	18	16	12	-	17	15	11	-
kW	1.22	1.25	1.29	-	1.31	1.34	1.39	-	1.40	1.43	1.48	-	1.47	1.51	1.56	-	1.54	1.57	1.63	-	1.59	1.63	1.68	-	
Amps	5.4	5.5	5.7	-	5.8	5.9	6.1	-	6.3	6.4	6.6	-	6.6	6.8	7.0	-	7.0	7.2	7.4	-	7.4	7.6	7.8	-	
HI PR	214	230	243	-	240	258	272	-	273	293	310	-	310	334	353	-	349	376	397	-	386	415	439	-	
Lo PR	107	114	124	-	113	120	132	-	118	125	137	-	124	132	144	-	130	138	150	-	134	143	156	-	
MBh	15.3	15.8	17.4	-	14.9	15.5	16.9	-	14.6	15.1	16.5	-	14.2	14.7	16.1	-	13.5	14.0	15.3	-	12.5	13.0	14.2	-	
S/T	0.68	0.57	0.40	-	0.71	0.59	0.41	-	0.73	0.61	0.42	-	0.75	0.63	0.43	-	0.78	0.65	0.45	-	0.78	0.66	0.45	-	
ΔT	18	16	12	-	19	16	12	-	19	16	12	-	19	16	12	-	19	16	12	-	17	15	11	-	
kW	1.19	1.21	1.25	-	1.28	1.31	1.35	-	1.36	1.39	1.44	-	1.44	1.47	1.52	-	1.50	1.53	1.58	-	1.55	1.59	1.64	-	
Amps	5.3	5.4	5.6	-	5.7	5.8	6.0	-	6.1	6.2	6.4	-	6.5	6.6	6.8	-	6.9	7.0	7.2	-	7.2	7.4	7.6	-	
HI PR	207	223	235	-	232	250	264	-	264	285	300	-	301	324	342	-	339	365	385	-	374	403	425	-	
Lo PR	104	111	121	-	110	117	128	-	114	121	133	-	120	128	139	-	126	134	146	-	130	138	151	-	

75	MBh	17.34	17.85	19.32	20.74	16.94	17.44	18.87	20.26	16.53	17.02	18.43	19.78	16.13	16.61	17.98	19.29	15.32	15.78	17.08	18.33	14.19	14.61	15.82	16.98
	S/T	0.84	0.76	0.57	0.37	0.88	0.78	0.59	0.38	0.90	0.80	0.61	0.39	0.93	0.83	0.63	0.40	0.96	0.86	0.65	0.42	0.97	0.87	0.66	0.42
	ΔT	20	18	15	10	20	19	15	11	20	19	15	11	20	19	15	11	20	18	15	10	19	17	14	10
	kW	1.24	1.27	1.31	1.35	1.34	1.37	1.41	1.46	1.42	1.45	1.50	1.55	1.50	1.53	1.58	1.64	1.56	1.60	1.65	1.71	1.62	1.66	1.71	1.77
	Amps	5.5	5.6	5.8	6.0	5.9	6.0	6.2	6.4	6.4	6.5	6.7	6.9	6.8	6.9	7.1	7.4	7.2	7.3	7.5	7.8	7.5	7.7	8.0	8.2
	HI PR	218	235	248	258	245	263	278	290	278	299	316	330	317	341	360	375	356	383	405	422	394	424	447	467
	Lo PR	109	116	127	135	116	123	134	143	120	128	139	149	126	134	146	156	132	141	154	163	137	145	159	169
	MBh	16.8	17.3	18.8	20.1	16.4	16.9	18.3	19.7	16.1	16.5	17.9	19.2	15.7	16.1	17.5	18.7	14.9	15.3	16.6	17.8	13.8	14.2	15.4	16.5
	S/T	0.81	0.72	0.55	0.35	0.84	0.75	0.57	0.36	0.86	0.77	0.58	0.37	0.88	0.79	0.60	0.38	0.92	0.82	0.62	0.40	0.93	0.83	0.63	0.40
	ΔT	21	19	16	11	21	19	16	11	21	19	16	11	21	19	16	11	21	19	16	11	20	18	15	10
kW	1.23	1.26	1.30	1.34	1.33	1.35	1.40	1.45	1.41	1.44	1.49	1.54	1.49	1.52	1.57	1.63	1.55	1.59	1.64	1.70	1.61	1.64	1.70	1.76	
Amps	5.5	5.6	5.8	5.9	5.9	6.0	6.2	6.4	6.3	6.5	6.6	6.9	6.7	6.9	7.1	7.3	7.1	7.3	7.5	7.7	7.5	7.6	7.9	8.2	
HI PR	216	232	245	256	242	261	275	287	275	296	313	326	314	338	356	372	353	380	401	418	390	420	443	462	
Lo PR	108	115	126	134	114	122	133	141	119	126	138	147	125	133	145	154	131	139	152	162	135	144	157	167	
MBh	15.5	16.0	17.3	18.6	15.2	15.6	16.9	18.2	14.8	15.3	16.5	17.7	14.5	14.88	16.1	17.3	13.7	14.1	15.3	16.4	12.7	13.1	14.2	15.2	
S/T	0.78	0.69	0.53	0.34	0.81	0.72	0.55	0.35	0.83	0.74	0.56	0.36	0.85	0.76	0.58	0.37	0.88	0.79	0.60	0.39	0.89	0.80	0.60	0.39	
ΔT	21	19	16	11	21	20	16	11	21	20	16	11	22	20	16	11	22	20	16	11	20	18	15	10	
kW	1.20	1.22	1.26	1.31	1.29	1.32	1.36	1.41	1.38	1.41	1.45	1.50	1.45	1.48	1.53	1.58	1.51	1.55	1.60	1.65	1.57	1.60	1.65	1.71	
Amps	5.3	5.5	5.6	5.8	5.7	5.8	6.0	6.2	6.2	6.3	6.5	6.7	6.5	6.7	6.9	7.1	6.9	7.1	7.3	7.5	7.3	7.5	7.7	7.9	
HI PR	209	225	238	248	235	253	267	278	267	287	304	317	304	327	346	361	342	368	389	406	378	407	430	448	
Lo PR	105	112	122	130	111	118	129	137	115	123	134	143	121	129	141	150	127	135	147	157	131	140	153	162	

IDB: Entering Indoor Dry Bulb Temperature
 High and low pressures are measured at the liquid and suction service valves.
 Shaded area reflects ACCA (TVA) conditions
 Amps = outdoor unit amps (compressor + fan)
 kW=Total system power

EXPANDED COOLING DATA — ASZ130241A* / ARUF182416**

IDB	AIRFLOW	OUTDOOR AMBIENT TEMPERATURE																								
		65°F				75°F				85°F				95°F				105°F				115°F				
		59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	
70	923	MBh	22.5	23.4	25.6	-	22.0	22.8	25.0	-	21.5	22.3	24.4	-	21.0	21.7	23.8	-	19.9	20.6	22.6	-	18.4	19.1	21.0	-
		S/T	0.74	0.62	0.43	-	0.77	0.64	0.45	-	0.79	0.66	0.46	-	0.81	0.68	0.47	-	0.85	0.71	0.49	-	0.85	0.71	0.49	-
	ΔT	17	14	11	-	17	15	11	-	17	15	11	-	17	15	11	-	17	15	11	-	16	14	10	-	
	kW	1.64	1.67	1.73	-	1.76	1.80	1.86	-	1.87	1.91	1.97	-	1.97	2.01	2.07	-	2.05	2.09	2.16	-	2.12	2.16	2.23	-	
	Amps	6.0	6.1	6.3	-	6.5	6.6	6.9	-	7.0	7.2	7.5	-	7.5	7.7	8.0	-	8.0	8.2	8.5	-	8.5	8.7	9.0	-	
	Hi PR	228	245	259	-	256	275	290	-	291	313	330	-	331	356	376	-	372	401	423	-	411	443	468	-	
	Lo PR	106	112	123	-	112	119	130	-	116	123	135	-	122	130	142	-	128	136	148	-	132	141	153	-	
	MBh	21.9	22.7	24.8	-	21.4	22.2	24.3	-	20.9	21.6	23.7	-	20.4	21.1	23.1	-	19.3	20.0	22.0	-	17.9	18.6	20.3	-	
	S/T	0.71	0.59	0.41	-	0.73	0.61	0.42	-	0.75	0.63	0.44	-	0.78	0.65	0.45	-	0.81	0.67	0.47	-	0.81	0.68	0.47	-	
	ΔT	17	15	11	-	18	15	12	-	18	15	12	-	18	15	12	-	17	15	11	-	16	14	11	-	
kW	1.63	1.66	1.71	-	1.75	1.79	1.84	-	1.86	1.90	1.96	-	1.95	1.99	2.06	-	2.03	2.07	2.14	-	2.10	2.15	2.22	-		
Amps	5.9	6.1	6.3	-	6.4	6.6	6.8	-	7.0	7.1	7.4	-	7.5	7.6	7.9	-	7.9	8.1	8.4	-	8.4	8.6	8.9	-		
Hi PR	225	243	256	-	253	272	287	-	288	310	327	-	328	353	372	-	369	397	419	-	407	438	463	-		
Lo PR	105	111	122	-	111	118	128	-	115	122	133	-	121	128	140	-	126	135	147	-	131	139	152	-		
MBh	20.2	20.9	22.9	-	19.7	20.4	22.4	-	19.3	20.0	21.9	-	18.8	19.5	21.3	-	17.8	18.5	20.3	-	16.5	17.1	18.8	-		
S/T	0.68	0.57	0.39	-	0.71	0.59	0.41	-	0.73	0.61	0.42	-	0.75	0.63	0.43	-	0.78	0.65	0.45	-	0.78	0.65	0.45	-		
ΔT	18	15	12	-	18	15	12	-	18	15	12	-	18	16	12	-	18	15	12	-	17	14	11	-		
kW	1.59	1.62	1.67	-	1.71	1.74	1.80	-	1.81	1.85	1.91	-	1.90	1.94	2.01	-	1.98	2.02	2.09	-	2.05	2.09	2.16	-		
Amps	5.8	5.9	6.1	-	6.2	6.4	6.6	-	6.8	7.0	7.2	-	7.3	7.4	7.7	-	7.7	7.9	8.2	-	8.2	8.4	8.7	-		
Hi PR	219	235	249	-	245	264	279	-	279	300	317	-	318	342	361	-	358	385	406	-	395	425	449	-		
Lo PR	101	108	118	-	107	114	125	-	111	119	129	-	117	125	136	-	123	130	142	-	127	135	147	-		

75	923	MBh	22.92	23.60	25.54	27.41	22.39	23.05	24.95	26.78	21.85	22.50	24.36	26.14	21.32	21.95	23.76	25.50	20.25	20.85	22.57	24.23	18.76	19.32	20.91	22.44
		S/T	0.84	0.75	0.57	0.37	0.87	0.78	0.59	0.38	0.90	0.80	0.61	0.39	0.93	0.83	0.63	0.40	0.96	0.86	0.65	0.42	0.97	0.87	0.66	0.42
	ΔT	19	18	15	10	20	18	15	10	20	18	15	10	20	18	15	10	20	18	15	10	19	18	15	9	
	kW	1.65	1.69	1.74	1.79	1.78	1.81	1.87	1.93	1.89	1.93	1.99	2.05	1.98	2.02	2.09	2.16	2.06	2.11	2.18	2.25	2.13	2.18	2.25	2.33	
	Amps	6.0	6.2	6.4	6.6	6.5	6.7	6.9	7.2	7.1	7.3	7.5	7.8	7.6	7.8	8.0	8.4	8.1	8.3	8.6	8.9	8.6	8.8	9.1	9.4	
	Hi PR	230	248	261	273	258	278	293	306	294	316	334	348	334	360	380	396	376	405	427	446	416	447	472	493	
	Lo PR	107	114	124	132	113	120	131	139	117	125	136	145	123	131	143	152	129	137	150	160	133	142	155	165	
	MBh	22.3	22.9	24.8	26.6	21.7	22.4	24.2	26.0	21.2	21.8	23.6	25.4	20.7	21.3	23.1	24.8	19.7	20.2	21.9	23.5	18.2	18.8	20.3	21.8	
	S/T	0.80	0.72	0.54	0.35	0.83	0.75	0.56	0.36	0.86	0.76	0.58	0.37	0.88	0.79	0.60	0.38	0.92	0.82	0.62	0.40	0.92	0.83	0.63	0.40	
	ΔT	20	18	15	10	20	19	15	11	20	19	15	11	20	19	15	11	20	19	15	11	19	17	14	10	
kW	1.64	1.67	1.73	1.78	1.76	1.80	1.86	1.92	1.87	1.91	1.97	2.03	1.97	2.01	2.07	2.14	2.05	2.09	2.16	2.23	2.12	2.16	2.23	2.31		
Amps	6.0	6.1	6.3	6.6	6.5	6.6	6.9	7.1	7.0	7.2	7.5	7.7	7.5	7.7	8.0	8.3	8.0	8.2	8.5	8.8	8.5	8.7	9.0	9.3		
Hi PR	228	245	259	270	256	275	290	303	291	313	330	345	331	356	376	392	372	401	423	441	412	443	468	488		
Lo PR	106	112	123	131	112	119	130	138	116	123	135	144	122	130	142	151	128	136	148	158	132	141	153	163		
MBh	20.5	21.1	22.9	24.6	20.1	20.7	22.4	24.0	19.6	20.2	21.8	23.4	19.1	19.6	21.3	22.9	18.2	18.7	20.2	21.7	16.8	17.3	18.7	20.1		
S/T	0.78	0.69	0.53	0.34	0.80	0.72	0.54	0.35	0.82	0.74	0.56	0.36	0.85	0.76	0.58	0.37	0.88	0.79	0.60	0.38	0.89	0.80	0.60	0.39		
ΔT	20	19	15	11	21	19	16	11	21	19	16	11	21	19	16	11	21	19	15	11	19	18	14	10		
kW	1.60	1.64	1.69	1.74	1.72	1.76	1.81	1.87	1.83	1.86	1.92	1.99	1.92	1.96	2.02	2.09	2.00	2.04	2.11	2.17	2.06	2.11	2.18	2.25		
Amps	5.8	6.0	6.2	6.4	6.3	6.5	6.7	6.9	6.9	7.0	7.3	7.5	7.3	7.5	7.8	8.0	7.8	8.0	8.3	8.6	8.3	8.5	8.8	9.1		
Hi PR	221	238	251	262	248	267	282	294	282	303	320	334	321	346	365	381	361	389	411	428	399	430	454	473		
Lo PR	103	109	119	127	108	115	126	134	113	120	131	139	118	126	137	146	124	132	144	153	128	136	149	159		

IDB: Entering Indoor Dry Bulb Temperature
 High and low pressures are measured at the liquid and suction service valves.
 Shaded area reflects ACCA (TVA) conditions
 Amps = outdoor unit amps (compressor + fan)
 kW= Total system power

EXPANDED COOLING DATA — ASZ130301A* / AR*F303016**

IDB	AIRFLOW	OUTDOOR AMBIENT TEMPERATURE																																
		65°F					75°F					85°F					95°F					105°F					115°F							
		59	63	67	71	75	59	63	67	71	75	59	63	67	71	75	59	63	67	71	75	59	63	67	71	75	59	63	67	71	75			
70	1118	MBh	27.4	28.4	31.1	-	26.8	27.8	30.4	-	26.1	27.1	29.7	-	25.5	26.4	29.0	-	24.2	25.1	27.5	-	22.4	23.3	25.5	-	22.4	23.3	25.5	-	22.4	23.3	25.5	-
		S/T	0.74	0.62	0.43	-	0.77	0.64	0.44	-	0.79	0.66	0.45	-	0.81	0.68	0.47	-	0.84	0.70	0.49	-	0.85	0.71	0.49	-	0.85	0.71	0.49	-	0.85	0.71	0.49	-
		ΔT	17	14	11	-	17	15	11	-	17	15	11	-	17	15	11	-	17	15	11	-	16	14	10	-	16	14	10	-	16	14	10	-
	1000	kW	2.03	2.07	2.13	-	2.18	2.22	2.29	-	2.31	2.36	2.43	-	2.42	2.47	2.55	-	2.52	2.58	2.66	-	2.61	2.66	2.75	-	2.61	2.66	2.75	-	2.61	2.66	2.75	-
		Amps	7.3	7.5	7.7	-	7.9	8.1	8.3	-	8.6	8.8	9.1	-	9.2	9.4	9.7	-	9.8	10.0	10.3	-	10.3	10.6	11.0	-	10.3	10.6	11.0	-	10.3	10.6	11.0	-
		Lo PR	228	246	259	-	256	276	291	-	291	313	331	-	332	357	377	-	373	402	424	-	412	444	469	-	412	444	469	-	412	444	469	-
	883	MBh	27.0	28.0	30.7	-	26.4	27.4	30.0	-	25.8	26.7	29.3	-	25.1	26.1	28.5	-	23.9	24.7	27.1	-	22.1	22.9	25.1	-	22.1	22.9	25.1	-	22.1	22.9	25.1	-
		S/T	0.71	0.59	0.41	-	0.73	0.61	0.42	-	0.75	0.63	0.44	-	0.78	0.65	0.45	-	0.81	0.67	0.47	-	0.81	0.68	0.47	-	0.81	0.68	0.47	-	0.81	0.68	0.47	-
		ΔT	18	15	12	-	18	15	12	-	18	15	12	-	18	16	12	-	18	15	12	-	17	14	11	-	17	14	11	-	17	14	11	-
	75	1118	MBh	27.89	28.71	31.08	33.36	27.24	28.05	30.36	32.58	26.59	27.38	29.64	31.81	25.94	26.71	28.91	31.03	24.65	25.38	27.47	29.48	22.83	23.51	25.44	27.31	22.83	23.51	25.44	27.31			
			S/T	0.84	0.75	0.57	0.37	0.87	0.78	0.59	0.38	0.89	0.80	0.60	0.39	0.92	0.82	0.62	0.40	0.96	0.86	0.65	0.42	0.96	0.86	0.65	0.42	0.96	0.86	0.65	0.42			
			ΔT	19	18	15	10	20	18	15	10	20	18	15	10	20	18	15	10	19	18	15	10	18	17	14	9	18	17	14	9			
1000		kW	2.05	2.09	2.15	2.22	2.20	2.24	2.31	2.38	2.33	2.38	2.45	2.53	2.44	2.49	2.57	2.66	2.54	2.60	2.68	2.77	2.63	2.68	2.77	2.86	2.63	2.68	2.77	2.86				
		Amps	7.3	7.5	7.8	8.1	7.9	8.1	8.4	8.7	8.6	8.9	9.2	9.5	9.2	9.5	9.8	10.2	9.8	10.1	10.4	10.8	10.4	10.7	11.1	11.5	10.4	10.7	11.1	11.5				
		Lo PR	231	248	262	273	259	278	294	307	294	317	334	349	335	361	381	397	377	406	428	447	417	448	473	494	417	448	473	494				
883		MBh	27.5	28.3	30.6	32.9	26.8	27.6	29.9	32.1	26.2	27.0	29.2	31.3	25.6	26.3	28.5	30.6	24.3	25.0	27.1	29.0	22.5	23.2	25.1	26.9	22.5	23.2	25.1	26.9				
		S/T	0.80	0.72	0.54	0.35	0.83	0.75	0.56	0.36	0.86	0.76	0.58	0.37	0.88	0.79	0.60	0.38	0.92	0.82	0.62	0.40	0.92	0.83	0.63	0.40	0.92	0.83	0.63	0.40				
		ΔT	20	19	15	11	21	19	16	11	21	19	16	11	21	19	16	11	21	19	15	11	19	18	14	10	19	18	14	10				

IDB: Entering Indoor Dry Bulb Temperature
High and low pressures are measured at the liquid and suction service valves.
Shaded area reflects ACCA (TVA) conditions
kW=Total system power
Amps = outdoor unit amps (compressor + fan)

EXPANDED COOLING DATA — ASZ130301A* / AR*F303016** (CONT.)

IDB	AIRFLOW	OUTDOOR AMBIENT TEMPERATURE												ENTERING INDOOR WET BULB TEMPERATURE											
		65°F				75°F				85°F				95°F				105°F				115°F			
		59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71
80	MBh	28.38	29.00	30.99	33.13	27.72	28.33	30.27	32.36	27.06	27.66	29.55	31.59	26.40	26.98	28.83	30.81	25.08	25.63	27.38	29.27	23.24	23.74	25.37	27.12
	S/T	0.92	0.86	0.70	0.53	0.96	0.90	0.73	0.54	0.98	0.92	0.75	0.56	1.00	0.95	0.77	0.58	1.00	0.98	0.80	0.60	1.00	1.00	0.81	0.60
	ΔT	22	21	18	14	22	21	18	15	22	21	18	15	22	21	18	15	21	20	18	14	19	20	17	13
	kW	2.06	2.10	2.17	2.23	2.21	2.26	2.33	2.40	2.35	2.39	2.47	2.55	2.46	2.52	2.59	2.68	2.56	2.62	2.70	2.79	2.65	2.71	2.79	2.88
	Amps	7.4	7.6	7.8	8.1	8.0	8.2	8.5	8.8	8.7	8.9	9.2	9.6	9.3	9.6	9.9	10.3	9.9	10.2	10.5	10.9	10.5	10.8	11.2	11.6
	Hi PR	233	251	265	276	261	281	297	310	297	320	338	352	339	364	385	401	381	410	433	451	421	453	478	499
	Lo PR	108	115	126	134	114	122	133	141	119	126	138	147	125	133	145	154	131	139	152	162	135	144	157	167
	MBh	28.0	28.6	30.5	32.6	27.3	27.9	29.8	31.9	26.7	27.2	29.1	31.1	26.0	26.6	28.4	30.4	24.7	25.3	27.0	28.8	22.9	23.4	25.0	26.7
	S/T	0.88	0.83	0.67	0.50	0.91	0.86	0.70	0.52	0.94	0.88	0.72	0.54	0.97	0.91	0.74	0.55	1.00	0.94	0.77	0.57	1.00	0.95	0.77	0.58
	ΔT	23	22	19	15	23	22	19	15	23	22	19	15	23	22	19	15	23	22	19	15	21	20	18	14
	kW	2.05	2.09	2.15	2.22	2.20	2.25	2.31	2.39	2.33	2.38	2.46	2.53	2.45	2.50	2.58	2.66	2.55	2.60	2.69	2.77	2.63	2.69	2.78	2.87
Amps	7.4	7.5	7.8	8.1	8.0	8.2	8.4	8.8	8.7	8.9	9.2	9.5	9.3	9.5	9.8	10.2	9.9	10.1	10.5	10.9	10.5	10.7	11.1	11.5	
Hi PR	231	249	263	274	260	279	295	308	295	318	335	350	336	362	382	398	378	407	430	448	418	450	475	495	
Lo PR	107	114	125	133	114	121	132	140	118	126	137	146	124	132	144	153	130	138	151	161	134	143	156	166	
MBh	26.6	27.1	29.0	31.0	25.9	26.5	28.3	30.3	25.3	25.9	27.7	29.6	24.7	25.3	27.0	28.8	23.5	24.0	25.6	27.4	21.7	22.2	23.7	25.4	
S/T	0.85	0.79	0.65	0.48	0.88	0.82	0.67	0.50	0.90	0.84	0.69	0.51	0.93	0.87	0.71	0.53	0.96	0.90	0.73	0.55	0.97	0.91	0.74	0.55	
ΔT	23	22	19	16	24	23	20	16	24	23	20	16	24	23	20	16	24	23	20	16	22	21	18	15	
kW	2.02	2.06	2.12	2.19	2.17	2.21	2.28	2.35	2.30	2.34	2.42	2.49	2.41	2.46	2.54	2.62	2.51	2.56	2.64	2.73	2.59	2.65	2.73	2.82	
Amps	7.2	7.4	7.7	7.9	7.8	8.0	8.3	8.6	8.5	8.7	9.0	9.4	9.1	9.3	9.6	10.0	9.7	9.9	10.3	10.7	10.3	10.5	10.9	11.3	
Hi PR	227	244	258	269	254	274	289	301	289	311	329	343	329	355	374	390	371	399	421	439	409	441	465	485	
Lo PR	105	112	122	130	111	118	129	138	116	123	134	143	122	129	141	150	127	135	148	158	132	140	153	163	

1118	MBh	28.88	29.44	30.83	32.89	28.21	28.76	30.12	32.13	27.54	28.07	29.40	31.36	26.87	27.39	28.68	30.60	25.52	26.02	27.25	29.07	23.64	24.10	25.24	26.93
	S/T	0.97	0.93	0.84	0.68	1.00	0.97	0.87	0.71	1.00	0.99	0.89	0.73	1.00	1.00	0.92	0.75	1.00	1.00	0.96	0.78	1.00	1.00	0.97	0.78
	ΔT	23	23	21	18	23	23	22	19	23	23	22	19	22	23	22	19	21	21	21	19	19	20	20	17
	kW	2.08	2.12	2.18	2.25	2.23	2.28	2.35	2.42	2.36	2.41	2.49	2.57	2.48	2.54	2.62	2.70	2.58	2.64	2.72	2.81	2.67	2.73	2.82	2.91
	Amps	7.5	7.7	7.9	8.2	8.1	8.3	8.6	8.9	8.8	9.0	9.3	9.7	9.4	9.7	10.0	10.4	10.0	10.3	10.6	11.0	10.6	10.9	11.3	11.7
	Hi PR	235	253	267	279	264	284	300	313	300	323	341	356	342	368	389	405	385	414	437	456	425	457	483	504
	Lo PR	109	116	127	135	116	123	134	143	120	128	139	148	126	134	146	156	132	141	153	163	137	145	159	169
	MBh	28.5	29.0	30.4	32.4	27.8	28.3	29.7	31.7	27.1	27.7	29.0	30.9	26.5	27.0	28.3	30.1	25.1	25.6	26.8	28.6	23.3	23.7	24.9	26.5
	S/T	0.93	0.89	0.81	0.65	0.96	0.93	0.84	0.68	0.98	0.95	0.86	0.69	1.00	0.98	0.88	0.72	1.00	1.00	0.92	0.74	1.00	1.00	0.93	0.75
	ΔT	24	24	23	19	25	24	23	20	25	24	23	20	24	24	23	20	23	24	23	20	21	22	21	18
	kW	2.07	2.11	2.17	2.24	2.22	2.26	2.33	2.41	2.35	2.40	2.47	2.55	2.47	2.52	2.60	2.68	2.57	2.62	2.71	2.80	2.66	2.71	2.80	2.89
Amps	7.4	7.6	7.9	8.2	8.0	8.2	8.5	8.8	8.7	9.0	9.3	9.6	9.4	9.6	9.9	10.3	10.0	10.2	10.6	11.0	10.6	10.8	11.2	11.6	
Hi PR	234	251	265	277	262	282	298	311	298	321	339	353	340	365	386	402	382	411	434	453	422	454	480	500	
Lo PR	109	116	126	134	115	122	133	142	119	127	138	147	125	133	145	155	131	140	152	162	136	144	158	168	
MBh	27.0	27.6	28.9	30.8	26.4	26.9	28.2	30.1	25.8	26.3	27.5	29.4	25.1	25.6	26.8	28.6	23.9	24.4	25.5	27.2	22.1	22.6	23.6	25.2	
S/T	0.89	0.86	0.77	0.63	0.92	0.89	0.80	0.65	0.94	0.91	0.82	0.67	0.97	0.94	0.85	0.69	1.00	0.97	0.88	0.71	1.00	0.98	0.89	0.72	
ΔT	25	25	23	20	25	25	23	20	25	25	24	20	25	25	24	20	25	25	23	20	23	23	22	19	
kW	2.03	2.08	2.14	2.20	2.18	2.23	2.30	2.37	2.31	2.36	2.44	2.51	2.43	2.48	2.56	2.64	2.53	2.58	2.66	2.75	2.61	2.67	2.75	2.84	
Amps	7.3	7.5	7.7	8.0	7.9	8.1	8.4	8.7	8.6	8.8	9.1	9.4	9.2	9.4	9.7	10.1	9.8	10.0	10.4	10.8	10.4	10.6	11.0	11.4	
Hi PR	229	246	260	271	257	276	292	304	292	314	332	346	333	358	378	394	374	403	425	444	414	445	470	490	
Lo PR	106	113	124	132	112	120	131	139	117	124	136	145	123	131	143	152	129	137	149	159	133	142	155	165	

IDB: Entering Indoor Dry Bulb Temperature
 High and low pressures are measured at the liquid and suction service valves.
 Shaded area reflects AHRH (TVA) conditions
 Amprs = outdoor unit amps (compressor + fan)
 kW=Total system power

EXPANDED COOLING DATA — ASZ130361A* / AR*F364216**

IDB	OUTDOOR AMBIENT TEMPERATURE																																																											
	65°F												75°F												85°F												95°F					105°F					115°F													
	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71																
70	AIRFLOW	MBh	S/T	ΔT	kW	Amps	Hi PR	Lo PR	MBh	S/T	ΔT	kW	Amps	Hi PR	Lo PR	MBh	S/T	ΔT	kW	Amps	Hi PR	Lo PR	MBh	S/T	ΔT	kW	Amps	Hi PR	Lo PR	MBh	S/T	ΔT	kW	Amps	Hi PR	Lo PR	MBh	S/T	ΔT	kW	Amps	Hi PR	Lo PR																	
	33.8	35.0	38.4	-	33.0	34.2	37.5	-	32.2	33.4	36.6	-	31.4	32.6	35.7	-	29.9	31.0	33.9	-	27.7	28.7	31.4	-	27.7	28.7	31.4	-	27.7	28.7	31.4	-	29.9	31.0	33.9	-	0.84	0.70	0.49	-	0.85	0.71	0.49	-	16	14	11	-	16	14	11	-	15	13	10	-				
	0.74	0.62	0.43	-	0.77	0.64	0.44	-	0.79	0.66	0.46	-	0.81	0.68	0.47	-	0.84	0.70	0.49	-	0.85	0.71	0.49	-	0.85	0.71	0.49	-	0.84	0.70	0.49	-	0.84	0.70	0.49	-	0.84	0.70	0.49	-	0.84	0.70	0.49	-	16	14	11	-	16	14	11	-	15	13	10	-				
	2.48	2.53	2.61	-	2.67	2.72	2.81	-	2.83	2.89	2.99	-	2.98	3.05	3.15	-	3.11	3.17	3.28	-	3.21	3.28	3.37	-	3.21	3.28	3.37	-	3.21	3.28	3.37	-	3.11	3.17	3.28	-	12.2	12.5	12.9	-	12.9	13.3	13.7	-	378	407	430	-	418	450	475	-	127	135	148	-	132	140	153	-
	9.1	9.3	9.6	-	9.9	10.1	10.4	-	10.7	11.0	11.3	-	11.5	11.7	12.1	-	12.2	12.5	12.9	-	12.2	12.5	12.9	-	12.2	12.5	12.9	-	12.2	12.5	12.9	-	378	407	430	-	418	450	475	-	127	135	148	-	132	140	153	-												
	231	249	263	-	259	279	295	-	295	318	335	-	336	362	382	-	378	407	430	-	378	407	430	-	378	407	430	-	378	407	430	-	378	407	430	-	378	407	430	-	378	407	430	-	378	407	430	-	378	407	430	-								
	105	112	122	-	111	118	129	-	116	123	134	-	122	129	141	-	127	135	148	-	127	135	148	-	127	135	148	-	127	135	148	-	127	135	148	-	127	135	148	-	127	135	148	-	127	135	148	-	127	135	148	-								
	33.3	34.5	37.8	-	32.5	33.7	36.9	-	31.7	32.9	36.1	-	31.0	32.1	35.2	-	29.4	30.5	33.4	-	29.4	30.5	33.4	-	29.4	30.5	33.4	-	29.4	30.5	33.4	-	29.4	30.5	33.4	-	29.4	30.5	33.4	-	29.4	30.5	33.4	-	29.4	30.5	33.4	-	29.4	30.5	33.4	-								
	0.71	0.59	0.41	-	0.73	0.61	0.43	-	0.75	0.63	0.44	-	0.78	0.65	0.45	-	0.81	0.67	0.47	-	0.81	0.67	0.47	-	0.81	0.67	0.47	-	0.81	0.67	0.47	-	0.81	0.67	0.47	-	0.81	0.67	0.47	-	0.81	0.67	0.47	-	0.81	0.67	0.47	-	0.81	0.67	0.47	-								
	17	15	11	-	17	15	11	-	17	15	11	-	17	15	11	-	17	15	11	-	17	15	11	-	17	15	11	-	17	15	11	-	17	15	11	-	17	15	11	-	17	15	11	-	17	15	11	-	17	15	11	-								
	2.46	2.52	2.59	-	2.65	2.71	2.79	-	2.82	2.88	2.97	-	2.96	3.03	3.13	-	3.09	3.16	3.26	-	3.09	3.16	3.26	-	3.09	3.16	3.26	-	3.09	3.16	3.26	-	3.09	3.16	3.26	-	3.09	3.16	3.26	-	3.09	3.16	3.26	-	3.09	3.16	3.26	-	3.09	3.16	3.26	-								
	9.1	9.3	9.6	-	9.8	10.0	10.4	-	10.7	10.9	11.3	-	11.4	11.7	12.1	-	12.1	12.4	12.8	-	12.1	12.4	12.8	-	12.1	12.4	12.8	-	12.1	12.4	12.8	-	12.1	12.4	12.8	-	12.1	12.4	12.8	-	12.1	12.4	12.8	-	12.1	12.4	12.8	-	12.1	12.4	12.8	-								
	230	247	261	-	258	277	293	-	293	315	333	-	334	359	379	-	375	404	427	-	375	404	427	-	375	404	427	-	375	404	427	-	375	404	427	-	375	404	427	-	375	404	427	-	375	404	427	-	375	404	427	-								
105	111	122	-	111	118	128	-	115	122	133	-	121	128	140	-	126	135	147	-	126	135	147	-	126	135	147	-	126	135	147	-	126	135	147	-	126	135	147	-	126	135	147	-	126	135	147	-	126	135	147	-									
31.6	32.8	35.9	-	30.9	32.0	35.1	-	30.2	31.3	34.3	-	29.4	30.5	33.4	-	28.0	29.0	31.7	-	28.0	29.0	31.7	-	28.0	29.0	31.7	-	28.0	29.0	31.7	-	28.0	29.0	31.7	-	28.0	29.0	31.7	-	28.0	29.0	31.7	-	28.0	29.0	31.7	-	28.0	29.0	31.7	-									
0.68	0.57	0.39	-	0.70	0.59	0.41	-	0.72	0.60	0.42	-	0.74	0.62	0.43	-	0.77	0.65	0.45	-	0.77	0.65	0.45	-	0.77	0.65	0.45	-	0.77	0.65	0.45	-	0.77	0.65	0.45	-	0.77	0.65	0.45	-	0.77	0.65	0.45	-	0.77	0.65	0.45	-	0.77	0.65	0.45	-									
18	15	12	-	18	15	12	-	18	15	12	-	18	15	12	-	18	15	12	-	18	15	12	-	18	15	12	-	18	15	12	-	18	15	12	-	18	15	12	-	18	15	12	-	18	15	12	-	18	15	12	-									
2.43	2.48	2.55	-	2.61	2.66	2.75	-	2.77	2.83	2.92	-	2.91	2.98	3.08	-	3.04	3.10	3.20	-	3.04	3.10	3.20	-	3.04	3.10	3.20	-	3.04	3.10	3.20	-	3.04	3.10	3.20	-	3.04	3.10	3.20	-	3.04	3.10	3.20	-	3.04	3.10	3.20	-	3.04	3.10	3.20	-									
8.9	9.1	9.4	-	9.6	9.9	10.2	-	10.5	10.7	11.1	-	11.2	11.5	11.8	-	11.9	12.2	12.6	-	11.9	12.2	12.6	-	11.9	12.2	12.6	-	11.9	12.2	12.6	-	11.9	12.2	12.6	-	11.9	12.2	12.6	-	11.9	12.2	12.6	-	11.9	12.2	12.6	-	11.9	12.2	12.6	-									
225	242	256	-	253	272	287	-	287	309	326	-	327	352	372	-	368	396	418	-	368	396	418	-	368	396	418	-	368	396	418	-	368	396	418	-	368	396	418	-	368	396	418	-	368	396	418	-	368	396	418	-									
103	109	119	-	108	115	126	-	113	120	131	-	118	126	137	-	124	132	144	-	124	132	144	-	124	132	144	-	124	132	144	-	124	132	144	-	124	132	144	-	124	132	144	-	124	132	144	-	124	132	144	-									
75	AIRFLOW	MBh	S/T	ΔT	kW	Amps	Hi PR	Lo PR	MBh	S/T	ΔT	kW	Amps	Hi PR	Lo PR	MBh	S/T	ΔT	kW	Amps	Hi PR	Lo PR	MBh	S/T	ΔT	kW	Amps	Hi PR	Lo PR	MBh	S/T	ΔT	kW	Amps	Hi PR	Lo PR	MBh	S/T	ΔT	kW	Amps	Hi PR	Lo PR	MBh	S/T	ΔT	kW	Amps	Hi PR	Lo PR										
	34.37	35.39	38.30	41.11	33.57	34.56	37.41	40.15	32.77	33.74	36.52	39.20	31.97	32.92	35.63	38.24	30.37	31.27	33.85	36.33	28.14	28.97	31.36	33.65	0.84	0.75	0.57	0.37	0.87	0.78	0.59	0.38	0.89	0.80	0.61	0.39	0.92	0.83	0.62	0.40	0.96	0.86	0.65	0.42	0.97	0.86	0.65	0.42	0.97	0.86	0.65	0.42	0.97	0.86	0.65	0.42				
	19	17	14	10	19	17	14	10	19	17	14	10	19	18	14	10	19	18	14	10	19	17	14	10	19	18	14	10	19	17	14	10	19	18	14	10	19	18	14	10	19	17	14	10	19	18	14	10	19	17	14	10	19	18	14	10				
	2.50	2.55	2.63	2.71	2.69	2.75	2.83	2.93	2.86	2.92	3.01	3.11	3.01	3.07	3.17	3.28	3.13	3.20	3.31	3.42	3.24	3.31	3.42	3.54	0.89	0.80	0.61	0.39	0.89	0.80	0.61	0.39	0.89	0.80	0.61	0.39	0.89	0.80	0.61	0.39	0.89	0.80	0.61	0.39	0.89	0.80	0.61	0.39	0.89	0.80	0.61	0.39	0.89	0.80	0.61	0.39	0.89	0.80	0.61	0.39
	9.2	9.4	9.7	10.1	10.0	10.2	10.5	10.9	10.8	11.1	11.5	11.9	11.6	11.9	12.3	12.7	12.3	12.6	13.1	13.6	13.1	13.4	13.8	14.4	11.6	11.9	12.3	12.7	12.3	12.6	13.1	13.6	13.1	13.4	13.8	14.4	11.6	11.9	12.3	12.7	12.3	12.6	13.1	13.6	13.1	13.4	13.8	14.4	11.6	11.9	12.3	12.7	12.3	12.6	13.1	13.6	13.1	13.4	13.8	14.4
	234	251	265	277	262	282	298	311	298	321	339	353	340	365	386	402	382	411	434	453	422	454	480	500	340	365	386	402	382	411	434	453	422	454	480	500	340	365	386	402	382	411	434	453	422	454	480	500	340	365	386	402	382	411	434	453	422	454	480	500
	106	113	124	132	112	120	131	139	117	124	136	145	123	131	143	152	129	137	149	159	133	142																																						

EXPANDED COOLING DATA — ASZ130361A* / AR*F364216** (CONT.)

		OUTDOOR AMBIENT TEMPERATURE																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
		65°F					75°F					85°F					95°F					105°F					115°F																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
IDB	AIRFLOW	59	63	67	71	75	79	83	87	91	59	63	67	71	75	79	83	87	91	59	63	67	71	75	79	83	87	91	59	63	67	71	75	79	83	87	91	59	63	67	71	75	79	83	87	91																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
80	1425	MBh	34.98	35.75	38.19	40.82	34.17	34.91	37.30	39.88	33.35	34.08	36.41	38.93	32.54	33.25	35.53	37.98	30.91	31.59	33.75	36.08	28.64	29.26	31.26	33.42	S/T	0.92	0.87	0.70	0.53	0.96	0.90	0.73	0.55	0.98	0.92	0.75	0.56	1.00	0.95	0.77	0.58	1.00	1.00	0.80	0.60	1.00	1.00	0.81	0.60	ΔT	21	20	17	14	21	20	18	14	21	20	18	14	20	20	17	14	18	17	14	13	kW	2.52	2.57	2.65	2.74	2.71	2.77	2.86	2.95	2.88	2.94	3.04	3.14	3.03	3.10	3.20	3.31	3.16	3.23	3.33	3.45	3.27	3.34	3.45	3.57	Amps	9.3	9.5	9.8	10.2	10.0	10.3	10.6	11.0	10.9	11.2	11.6	12.0	11.7	12.0	12.4	12.8	12.4	12.7	13.2	13.7	13.2	13.5	14.0	14.5	Lo PR	236	254	268	280	265	285	301	314	301	324	342	357	343	369	390	406	386	415	438	457	426	459	484	505	Hi PR	107	114	125	133	114	121	132	140	118	126	137	146	124	132	144	153	130	138	151	161	134	143	156	166	MBh	34.5	35.2	37.6	40.2	33.7	34.4	36.8	39.3	32.9	33.6	35.9	38.4	32.1	32.8	35.0	37.4	30.5	31.1	33.3	35.5	28.2	28.8	30.8	32.9	S/T	0.88	0.83	0.67	0.50	0.92	0.86	0.70	0.52	0.94	0.88	0.72	0.54	0.97	0.91	0.74	0.55	1.00	0.94	0.77	0.57	1.00	0.95	0.77	0.58	ΔT	22	21	18	15	22	21	19	15	22	21	19	15	22	21	19	15	22	21	18	15	20	20	17	14	kW	2.50	2.56	2.64	2.72	2.70	2.75	2.84	2.93	2.86	2.93	3.02	3.12	3.01	3.08	3.18	3.29	3.14	3.21	3.32	3.43	3.25	3.32	3.43	3.55	Amps	9.2	9.5	9.8	10.1	10.0	10.2	10.6	11.0	10.9	11.1	11.5	11.9	11.6	11.9	12.3	12.8	12.4	12.7	13.1	13.6	13.1	13.4	13.9	14.4	Lo PR	234	252	266	278	263	283	299	312	299	322	340	354	341	366	387	404	383	412	435	454	423	456	481	502	Hi PR	107	114	124	132	113	120	131	140	117	125	136	145	123	131	143	152	129	137	150	160	133	142	155	165	MBh	32.7	33.5	35.7	38.2	32.0	32.7	34.9	37.3	31.2	31.9	34.1	36.4	30.5	31.1	33.3	35.5	28.9	29.6	31.6	33.8	26.8	27.4	29.3	31.3	S/T	0.85	0.79	0.65	0.48	0.88	0.82	0.67	0.50	0.90	0.84	0.69	0.51	0.93	0.87	0.71	0.53	0.96	0.90	0.74	0.55	0.97	0.91	0.74	0.55	ΔT	23	22	19	15	23	22	19	15	23	22	19	15	23	22	19	15	23	22	19	15	21	21	18	14	kW	2.46	2.52	2.59	2.68	2.65	2.71	2.79	2.89	2.82	2.88	2.97	3.07	2.96	3.03	3.13	3.23	3.09	3.16	3.26	3.37	3.19	3.27	3.37	3.49	Amps	9.1	9.3	9.6	9.9	9.8	10.0	10.4	10.8	10.7	10.9	11.3	11.7	11.4	11.7	12.1	12.5	12.1	12.4	12.8	13.3	12.9	13.2	13.6	14.1	Lo PR	230	247	261	272	258	277	293	305	293	315	333	347	334	359	379	396	375	404	427	445	415	446	471	492	Hi PR	105	111	122	129	111	118	128	137	115	122	133	142	121	128	140	149	126	135	147	156	131	139	152	162	MBh	35.59	36.28	38.00	40.54	34.76	35.44	37.11	39.60	33.94	34.59	36.23	38.65	33.11	33.75	35.35	37.71	31.45	32.06	33.58	35.82	29.14	29.70	31.11	33.19	S/T	0.97	0.93	0.84	0.68	1.00	0.97	0.87	0.71	1.00	0.99	0.90	0.73	1.00	1.00	0.92	0.75	1.00	1.00	0.96	0.78	1.00	1.00	0.97	0.78	ΔT	22	22	21	18	22	22	21	18	22	22	21	18	21	22	21	18	20	21	21	18	19	19	19	17	kW	2.54	2.59	2.67	2.76	2.73	2.79	2.88	2.97	2.90	2.97	3.06	3.16	3.06	3.12	3.23	3.33	3.18	3.26	3.36	3.48	3.30	3.37	3.48	3.60	Amps	9.4	9.6	9.9	10.3	10.1	10.4	10.7	11.1	11.0	11.3	11.7	12.1	11.8	12.1	12.5	13.0	12.6	12.9	13.3	13.8	13.3	13.6	14.1	14.6	Lo PR	238	256	271	282	267	288	304	317	304	327	346	360	346	373	394	411	390	419	443	462	431	463	489	510	Hi PR	109	116	126	134	115	122	133	142	119	127	138	147	125	133	145	155	131	140	152	162	136	144	158	168	MBh	35.1	35.7	37.4	39.9	34.3	34.9	36.6	39.0	33.4	34.1	35.7	38.1	32.6	33.3	34.8	37.2	31.0	31.6	33.1	35.3	28.7	29.3	30.6	32.7	S/T	0.93	0.89	0.81	0.65	0.96	0.93	0.84	0.68	0.98	0.95	0.86	0.70	1.00	0.98	0.89	0.72	1.00	1.00	0.92	0.75	1.00	1.00	0.93	0.75	ΔT	23	23	22	19	24	23	22	19	24	23	22	19	24	24	22	19	22	23	23	20	21	21	20	18	kW	2.52	2.58	2.66	2.74	2.72	2.78	2.86	2.96	2.89	2.95	3.05	3.15	3.04	3.10	3.21	3.31	3.17	3.24	3.34	3.46	3.28	3.35	3.46	3.58	Amps	9.3	9.5	9.9	10.2	10.1	10.3	10.7	11.1	11.0	11.2	11.6	12.0	11.7	12.0	12.4	12.9	12.5	12.8	13.2	13.7	13.2	13.5	14.0	14.5	Lo PR	237	255	269	280	266	286	302	315	302	325	343	358	344	370	391	408	387	416	440	459	428	460	486	507	Hi PR	108	115	125	133	114	121	132	141	118	126	137	146	124	132	144	154	130	139	151	161	135	143	157	167	MBh	33.3	34.0	35.6	37.9	32.5	33.2	34.7	37.1	31.8	32.4	33.9	36.2	31.0	31.6	33.1	35.3	29.4	30.0	31.4	33.5	27.3	27.8	29.1	31.1	S/T	0.89	0.86	0.77	0.63	0.92	0.89	0.80	0.65	0.94	0.91	0.82	0.67	0.97	0.94	0.85	0.69	1.00	0.97	0.88	0.71	1.00	0.98	0.89	0.72	ΔT	24	24	22	19	24	24	23	20	24	24	23	20	25	24	23	20	24	24	23	20	22	22	21	18	kW	2.48	2.54	2.62	2.70	2.67	2.73	2.82	2.91	2.84	2.90	3.00	3.09	2.99	3.05	3.15	3.26	3.11	3.18	3.29	3.40	3.22	3.29	3.40	3.52	Amps	9.1	9.4	9.7	10.0	9.9	10.1	10.5	10.9	10.7	11.0	11.4	11.8	11.5	11.8	12.2	12.6	12.2	12.5	13.0	13.5	13.0	13.3	13.7	14.3	Lo PR	232	250	264	275	260	280	296	308	296	318	336	351	337	363	383	400	379	408	431	449	419	451	476	497	Hi PR	106	112	123	131	112	119	130	138	116	123	135	144	122	130	142	151	128	136	148	158	132	141	153	163

IDB: Entering Indoor Dry Bulb Temperature
 High and low pressures are measured at the liquid and suction service valves.
 Shaded area reflects AHR1 (TVFA) conditions
 Amps = outdoor unit amps (compressor + fan)
 kW=Total system power

EXPANDED COOLING DATA — ASZ130421A* / AR*F364216**

IDB	OUTDOOR AMBIENT TEMPERATURE												ENTERING INDOOR WET BULB TEMPERATURE											
	65°F				75°F				85°F				95°F				105°F				115°F			
	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71
70	AIRFLOW																							
	1575																							
	1400																							
	1225																							
	MBh																							
	S/T																							
	ΔT																							
	kW																							
	Amps																							
	Hi PR																							
	Lo PR																							
	MBh																							
S/T																								
ΔT																								
kW																								
Amps																								
Hi PR																								
Lo PR																								

75	1575																							
	1400																							
	1225																							
	MBh																							
	S/T																							
	kW																							
	Amps																							
	Hi PR																							
	Lo PR																							
	MBh																							
	S/T																							
	ΔT																							
kW																								
Amps																								
Hi PR																								
Lo PR																								

IDB: Entering Indoor Dry Bulb Temperature
 High and low pressures are measured at the liquid and suction service valves.
 Shaded area reflects ACCA (TVA) conditions
 kW=Total system power
 Amps = outdoor unit amps (compressor + fan)

EXPANDED COOLING DATA — ASZ130421A* / AR*F364216** (CONT.)

IDB	AIRFLOW	OUTDOOR AMBIENT TEMPERATURE												ENTERING INDOOR WET BULB TEMPERATURE											
		65°F				75°F				85°F				95°F				105°F				115°F			
		59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71
80	MBh	41.08	41.97	44.84	47.94	40.12	41.00	43.80	46.82	39.17	40.02	42.76	45.71	38.21	39.05	41.72	44.59	36.30	37.09	39.63	42.36	33.63	34.36	36.71	39.24
	S/T	0.93	0.87	0.71	0.53	0.96	0.90	0.73	0.55	1.00	0.92	0.75	0.56	1.00	0.95	0.78	0.58	1.00	1.00	0.81	0.60	1.00	1.00	0.81	0.61
	ΔT	22	21	19	15	22	22	19	15	22	22	19	15	22	22	19	15	22	22	19	15	20	20	17	14
	kW	2.93	3.00	3.09	3.18	3.15	3.22	3.32	3.43	3.35	3.42	3.53	3.64	3.52	3.59	3.71	3.83	3.66	3.74	3.87	3.99	3.79	3.87	4.00	4.13
	Amps	11.2	11.5	11.9	12.4	12.2	12.5	12.9	13.4	13.3	13.6	14.1	14.6	14.2	14.6	15.1	15.7	15.2	15.5	16.1	16.7	16.1	16.5	17.1	17.7
	Hi PR	246	265	280	292	277	298	314	328	314	338	357	373	358	385	407	425	403	434	458	478	445	479	506	528
	Lo PR	109	116	126	134	115	122	133	142	119	127	138	147	125	133	145	155	131	140	152	162	136	144	158	168
	MBh	39.9	40.8	43.5	46.5	39.0	39.8	42.5	45.5	38.0	38.9	41.5	44.4	37.1	37.9	40.5	43.3	35.2	36.0	38.5	41.1	32.6	33.4	35.6	38.1
	S/T	0.88	0.83	0.67	0.50	0.92	0.86	0.70	0.52	0.94	0.88	0.72	0.54	0.97	0.91	0.74	0.55	1.00	0.94	0.77	0.57	1.00	0.95	0.77	0.58
	ΔT	23	22	19	15	23	22	20	16	23	22	20	16	24	23	20	16	24	23	22	19	21	21	18	14
	kW	2.91	2.97	3.06	3.16	3.13	3.19	3.29	3.40	3.32	3.39	3.50	3.61	3.49	3.57	3.68	3.80	3.63	3.71	3.83	3.96	3.76	3.84	3.97	4.10
	Amps	11.1	11.4	11.8	12.2	12.1	12.4	12.8	13.3	13.1	13.5	13.9	14.5	14.1	14.4	14.9	15.5	15.0	15.4	15.9	16.5	15.9	16.3	16.9	17.6
Hi PR	244	263	277	289	274	295	311	324	311	335	354	369	355	382	403	420	399	429	453	473	441	474	501	522	
Lo PR	107	114	125	133	114	121	132	140	118	126	137	146	124	132	144	153	130	138	151	161	134	143	156	166	
MBh	36.8	37.6	40.2	43.0	36.0	36.7	39.3	42.0	35.1	35.9	38.3	41.0	34.2	35.0	37.4	40.0	32.5	33.2	35.5	38.0	30.1	30.8	32.9	35.2	
S/T	0.85	0.80	0.65	0.49	0.88	0.83	0.67	0.50	0.91	0.85	0.69	0.52	0.93	0.88	0.71	0.53	0.97	0.91	0.74	0.55	0.98	0.92	0.75	0.56	
ΔT	24	23	20	16	24	23	20	16	24	23	20	16	24	23	20	16	24	23	22	19	22	21	18	15	
kW	2.84	2.90	2.99	3.08	3.06	3.12	3.22	3.32	3.24	3.31	3.41	3.52	3.41	3.48	3.59	3.71	3.55	3.62	3.74	3.86	3.67	3.75	3.87	3.99	
Amps	10.8	11.1	11.5	11.9	11.7	12.0	12.4	12.9	12.8	13.1	13.5	14.1	13.7	14.0	14.5	15.1	14.6	15.0	15.5	16.1	15.5	15.9	16.4	17.1	
Hi PR	237	255	269	281	266	286	302	315	302	325	343	358	344	370	391	408	387	416	440	459	428	460	486	507	
Lo PR	104	111	121	129	110	117	128	136	114	122	133	142	120	128	140	149	126	134	146	156	130	139	151	161	
85	MBh	41.79	42.60	44.62	47.60	40.82	41.61	43.58	46.50	39.85	40.62	42.54	45.39	38.88	39.63	41.51	44.28	36.93	37.65	39.43	42.07	34.21	34.88	36.53	38.97
	S/T	0.97	0.94	0.85	0.69	1.00	0.97	0.88	0.71	1.00	1.00	0.90	0.73	1.00	1.00	0.93	0.75	1.00	1.00	0.96	0.78	1.00	1.00	0.97	0.79
	ΔT	24	23	22	19	24	24	22	19	23	24	22	19	23	23	22	19	22	22	22	19	20	20	21	18
	kW	2.96	3.02	3.11	3.21	3.18	3.25	3.35	3.45	3.37	3.45	3.56	3.67	3.55	3.62	3.74	3.86	3.69	3.77	3.90	4.03	3.82	3.90	4.03	4.17
	Amps	11.3	11.6	12.0	12.5	12.3	12.6	13.0	13.5	13.4	13.7	14.2	14.8	14.3	14.7	15.2	15.8	15.3	15.7	16.2	16.9	16.2	16.7	17.2	17.9
	Hi PR	249	268	283	295	279	301	317	331	318	342	361	376	362	389	411	429	407	438	462	482	450	484	511	533
	Lo PR	110	117	127	136	116	123	135	143	120	128	140	149	126	135	147	156	133	141	154	164	137	146	159	170
	MBh	40.6	41.4	43.3	46.2	39.6	40.4	42.3	45.1	38.7	39.4	41.3	44.1	37.7	38.5	40.3	43.0	35.9	36.6	38.3	40.8	33.2	33.9	35.5	37.8
	S/T	0.93	0.89	0.81	0.65	0.96	0.93	0.84	0.68	0.98	0.95	0.86	0.70	1.00	0.98	0.89	0.72	1.00	1.00	0.92	0.75	1.00	1.00	0.93	0.75
	ΔT	25	24	23	20	25	25	23	20	25	25	23	20	25	25	23	20	24	24	23	20	22	22	22	19
	kW	2.93	3.00	3.09	3.18	3.15	3.22	3.32	3.43	3.35	3.42	3.53	3.64	3.52	3.59	3.71	3.83	3.66	3.74	3.87	3.99	3.79	3.87	4.00	4.13
	Amps	11.2	11.5	11.9	12.4	12.2	12.5	12.9	13.4	13.3	13.6	14.1	14.6	14.2	14.6	15.1	15.7	15.2	15.5	16.1	16.7	16.1	16.5	17.1	17.7
Hi PR	246	265	280	292	277	298	314	328	314	338	357	373	358	385	407	425	403	434	458	478	445	479	506	528	
Lo PR	109	116	126	134	115	122	133	142	119	127	138	147	125	133	145	155	131	140	152	162	136	144	158	168	
MBh	37.5	38.2	40.0	42.7	36.6	37.3	39.1	41.7	35.7	36.4	38.1	40.7	34.8	35.5	37.2	39.7	33.1	33.7	35.3	37.7	30.7	31.3	32.7	34.9	
S/T	0.89	0.86	0.78	0.63	0.93	0.89	0.81	0.65	0.95	0.92	0.83	0.67	0.98	0.95	0.85	0.69	1.00	0.98	0.89	0.72	1.00	0.99	0.89	0.72	
ΔT	25	25	23	20	25	25	24	20	25	25	24	20	26	25	24	21	25	25	25	22	23	23	22	19	
kW	2.87	2.93	3.01	3.11	3.08	3.14	3.24	3.34	3.27	3.34	3.44	3.55	3.43	3.51	3.62	3.74	3.57	3.65	3.77	3.89	3.70	3.78	3.90	4.03	
Amps	10.9	11.2	11.6	12.0	11.8	12.1	12.5	13.0	12.9	13.2	13.7	14.2	13.8	14.2	14.6	15.2	14.7	15.1	15.6	16.2	15.6	16.0	16.6	17.2	
Hi PR	239	257	272	283	268	289	305	318	305	328	347	362	347	374	395	412	391	421	444	463	432	465	491	512	
Lo PR	105	112	122	130	111	118	129	138	116	123	134	143	121	129	141	150	127	135	148	157	132	140	153	163	

IDB: Entering Indoor Dry Bulb Temperature
High and low pressures are measured at the liquid and suction service valves.
Shaded area reflects AHR1 (TVVA) conditions
Amps = outdoor unit amps (compressor + fan)
kW=Total system power

EXPANDED COOLING DATA — ASZ130481A* / AR*F486016**

IDB	AIRFLOW	OUTDOOR AMBIENT TEMPERATURE														ENTERING INDOOR WET BULB TEMPERATURE													
		65°F				75°F				85°F				95°F				105°F				115°F							
		59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71				
1688	MBh	45.1	46.7	51.2	-	44.0	45.6	50.0	-	43.0	44.5	48.8	-	41.9	43.5	47.6	-	39.8	41.3	45.2	-	36.9	38.2	41.9	-				
	S/T	0.75	0.63	0.44	-	0.78	0.65	0.45	-	0.80	0.67	0.46	-	0.83	0.69	0.48	-	0.86	0.72	0.50	-	0.86	0.72	0.50	-				
	ΔT	19	16	12	-	19	16	12	-	19	16	12	-	19	16	12	-	19	16	12	-	17	15	11	-				
	kW	3.29	3.35	3.46	-	3.53	3.60	3.71	-	3.74	3.82	3.94	-	3.93	4.02	4.15	-	4.09	4.18	4.32	-	4.23	4.32	4.47	-				
	Amps	11.9	12.1	12.6	-	12.8	13.2	13.6	-	14.0	14.3	14.8	-	15.0	15.4	15.9	-	16.0	16.4	16.9	-	16.9	17.4	18.0	-				
	Hi PR	235	253	267	-	264	284	300	-	300	323	341	-	341	367	388	-	384	413	437	-	424	457	482	-				
	Lo PR	109	116	127	-	116	123	134	-	120	128	139	-	126	134	146	-	132	141	154	-	137	145	159	-				
	MBh	43.8	45.4	49.7	-	42.7	44.3	48.5	-	41.7	43.2	47.4	-	40.7	42.2	46.2	-	38.7	40.1	43.9	-	35.8	37.1	40.7	-				
	S/T	0.72	0.60	0.42	-	0.74	0.62	0.43	-	0.76	0.64	0.44	-	0.79	0.66	0.46	-	0.82	0.68	0.47	-	0.82	0.69	0.48	-				
	ΔT	19	17	13	-	20	17	13	-	20	17	13	-	20	17	13	-	19	17	13	-	18	16	12	-				
	kW	3.26	3.33	3.43	-	3.50	3.58	3.69	-	3.71	3.79	3.91	-	3.90	3.99	4.11	-	4.06	4.15	4.28	-	4.20	4.29	4.43	-				
	Amps	11.7	12.0	12.4	-	12.7	13.0	13.5	-	13.9	14.2	14.7	-	14.8	15.2	15.7	-	15.8	16.2	16.8	-	16.8	17.2	17.8	-				
	Hi PR	233	250	264	-	261	281	297	-	297	319	337	-	338	364	384	-	380	409	432	-	420	452	478	-				
Lo PR	108	115	126	-	114	122	133	-	119	126	138	-	125	133	145	-	131	139	152	-	135	144	157	-					
1500	MBh	40.4	41.9	45.9	-	39.5	40.9	44.8	-	38.5	39.9	43.7	-	37.6	38.9	42.7	-	35.7	37.0	40.5	-	33.1	34.3	37.5	-				
	S/T	0.69	0.58	0.40	-	0.72	0.60	0.42	-	0.74	0.61	0.43	-	0.76	0.63	0.44	-	0.79	0.66	0.46	-	0.80	0.66	0.46	-				
	ΔT	20	17	13	-	20	17	13	-	20	17	13	-	20	17	13	-	20	17	13	-	18	16	12	-				
	kW	3.19	3.25	3.35	-	3.42	3.49	3.60	-	3.63	3.70	3.82	-	3.81	3.89	4.01	-	3.96	4.05	4.18	-	4.10	4.18	4.32	-				
	Amps	11.4	11.7	12.1	-	12.4	12.7	13.1	-	13.5	13.8	14.3	-	14.4	14.8	15.3	-	15.4	15.8	16.3	-	16.3	16.7	17.3	-				
	Hi PR	226	243	256	-	253	272	288	-	288	310	327	-	328	353	373	-	369	397	419	-	408	439	463	-				
	Lo PR	105	112	122	-	111	118	129	-	115	123	134	-	121	129	141	-	127	135	147	-	131	140	153	-				
	1313	MBh	45.84	47.20	51.09	54.83	44.77	46.10	49.90	53.55	43.71	45.00	48.71	52.28	42.64	43.90	47.52	51.00	40.51	41.71	45.15	48.45	37.52	38.64	41.82	44.88			
		S/T	0.86	0.77	0.58	0.37	0.89	0.79	0.60	0.39	0.91	0.81	0.62	0.40	0.94	0.84	0.64	0.41	0.97	0.87	0.66	0.42	0.98	0.88	0.67	0.43			
		ΔT	21	20	16	11	22	20	16	11	22	20	16	11	22	20	16	11	22	20	16	11	20	19	15	10			
		kW	3.31	3.38	3.48	3.59	3.56	3.63	3.74	3.86	3.77	3.85	3.98	4.10	3.97	4.05	4.18	4.32	4.13	4.22	4.35	4.50	4.27	4.36	4.50	4.65			
		Amps	12.0	12.3	12.7	13.2	13.0	13.3	13.7	14.3	14.1	14.5	15.0	15.6	15.1	15.5	16.0	16.7	16.1	16.5	17.1	17.8	17.1	17.5	18.2	18.9			
		Hi PR	237	255	270	281	266	287	303	316	303	326	344	359	345	371	392	409	388	418	441	460	429	461	487	508			
Lo PR		110	118	128	137	117	124	136	144	121	129	141	150	127	136	148	158	134	142	155	165	138	147	160	171				
MBh		44.5	45.8	49.6	53.2	43.5	44.8	48.4	52.0	42.4	43.7	47.3	50.8	41.4	42.6	46.1	49.5	39.3	40.5	43.8	47.0	36.4	37.5	40.6	43.6				
S/T		0.82	0.73	0.55	0.36	0.85	0.76	0.57	0.37	0.87	0.78	0.59	0.38	0.90	0.80	0.61	0.39	0.93	0.83	0.63	0.40	0.94	0.84	0.63	0.41				
ΔT		22	21	17	12	23	21	17	12	23	21	17	12	23	21	17	12	22	21	17	12	21	19	16	11				
kW		3.29	3.35	3.46	3.56	3.53	3.60	3.72	3.83	3.74	3.82	3.94	4.07	3.93	4.02	4.15	4.28	4.09	4.18	4.32	4.46	4.23	4.33	4.47	4.61				
Amps		11.9	12.1	12.6	13.0	12.8	13.2	13.6	14.1	14.0	14.3	14.8	15.4	15.0	15.4	15.9	16.5	16.0	16.4	16.9	17.6	17.0	17.4	18.0	18.7				
Hi PR		235	253	267	278	264	284	300	312	300	323	341	355	342	368	388	405	384	413	437	455	424	457	482	503				
Lo PR	109	116	127	135	116	123	134	143	120	128	139	149	126	134	147	156	132	141	154	164	137	145	159	169					
75	MBh	41.1	42.3	45.8	49.1	40.1	41.3	44.7	48.0	39.2	40.3	43.7	46.8	38.2	39.34	42.6	45.7	36.3	37.4	40.5	43.4	33.6	34.6	37.5	40.2				
	S/T	0.79	0.70	0.53	0.34	0.82	0.73	0.55	0.36	0.84	0.75	0.57	0.36	0.86	0.77	0.58	0.38	0.90	0.80	0.61	0.39	0.90	0.81	0.61	0.39				
	ΔT	23	21	17	12	23	21	17	12	23	21	17	12	23	21	17	12	23	21	17	12	21	20	16	11				
	kW	3.21	3.28	3.38	3.48	3.45	3.52	3.63	3.74	3.66	3.73	3.85	3.97	3.84	3.92	4.05	4.18	4.00	4.08	4.21	4.35	4.13	4.22	4.36	4.50				
	Amps	11.5	11.8	12.2	12.7	12.5	12.8	13.2	13.7	13.6	13.9	14.4	15.0	14.6	14.9	15.4	16.0	15.5	15.9	16.5	17.1	16.5	16.9	17.5	18.1				
	Hi PR	228	245	259	270	256	275	291	303	291	313	331	345	331	356	376	393	373	401	423	442	412	443	468	488				
	Lo PR	106	113	123	131	112	119	130	139	116	124	135	144	122	130	142	151	128	136	149	159	133	141	154	164				

IDB: Entering Indoor Dry Bulb Temperature
 High and low pressures are measured at the liquid and suction service valves.
 Shaded area reflects ACCA (TVA) conditions
 kW=Total system power
 Amps = outdoor unit amps (compressor + fan)

EXPANDED COOLING DATA — ASZ130481A* / AR*F486016** (CONT.)

Table with columns for IDB, AIRFLOW, and Outdoor Ambient Temperature (65°F to 115°F) and Entering Indoor Wet Bulb Temperature (75°F to 95°F). Rows include model numbers 1688, 1500, and 1313 with various performance metrics like MBh, S/T, ΔT, Amps, and Hi/Lo PR.

Table with columns for IDB, AIRFLOW, and Outdoor Ambient Temperature (65°F to 115°F) and Entering Indoor Wet Bulb Temperature (75°F to 95°F). Rows include model numbers 1688, 1500, and 1313 with various performance metrics like MBh, S/T, ΔT, Amps, and Hi/Lo PR.

IDB: Entering Indoor Dry Bulb Temperature High and low pressures are measured at the liquid and suction service valves.

Shaded area reflects AHR1 (TVFA) conditions

kw=Total system power Amps = outdoor unit amps (compressor + fan)

EXPANDED HEATING DATA

ASZ130181A* / AR*F182416**

	OUTDOOR AMBIENT TEMPERATURE																	
	65	60	55	50	47	45	40	35	30	25	20	17	15	10	5	0	-5	-10
MBh	21.4	20.2	19.0	17.8	17.0	16.5	15.3	14.1	12.5	11.5	10.6	10.0	9.6	8.6	7.7	6.7	5.7	4.7
ΔT	33.0	31.2	29.4	27.5	26.2	25.4	23.6	21.8	19.2	17.7	16.3	15.4	14.9	13.3	11.8	10.3	8.8	7.2
KW	1.68	1.65	1.61	1.58	1.6	1.54	1.51	1.47	1.42	1.38	1.35	1.33	1.32	1.28	1.25	1.22	1.18	1.15
Amps	8.7	8.1	7.6	7.2	7.0	6.8	6.5	6.2	5.9	5.7	5.5	5.3	5.3	5.0	4.7	4.5	4.2	3.8
COP	3.72	3.60	3.46	3.30	3.20	3.13	2.97	2.80	2.57	2.43	2.29	2.20	2.14	1.97	1.79	1.60	1.41	1.19
EER	12.7	12.3	11.8	11.3	10.9	10.7	10.1	9.6	8.8	8.3	7.8	7.5	7.3	6.7	6.1	5.5	4.8	4.1

ASZ130241A* / ARUF182416**

	OUTDOOR AMBIENT TEMPERATURE																	
	65	60	55	50	47	45	40	35	30	25	20	17	15	10	5	0	-5	-10
MBh	28.9	27.4	25.8	24.1	23.0	22.3	20.7	19.1	16.7	15.4	14.2	13.4	12.9	11.6	10.3	9.0	7.6	6.3
ΔT	32.6	30.9	29.1	27.2	26.0	25.2	23.4	21.6	18.9	17.4	16.0	15.1	14.6	13.1	11.6	10.1	8.6	7.1
KW	2.20	2.15	2.11	2.07	2.04	2.02	1.98	1.94	1.99	1.94	1.90	1.87	1.85	1.81	1.76	1.72	1.67	1.63
Amps	9.6	8.9	8.3	7.8	7.6	7.4	7.0	6.6	6.3	6.0	5.8	5.6	5.5	5.2	4.9	4.6	4.2	3.8
COP	3.85	3.72	3.57	3.41	3.29	3.22	3.05	2.88	2.46	2.32	2.19	2.10	2.04	1.88	1.71	1.53	1.34	1.13
EER	13.2	12.7	12.2	11.6	11.3	11.0	10.4	9.8	8.4	7.9	7.5	7.2	7.0	6.4	5.8	5.2	4.6	3.8

ASZ130301A* / AR*F303016**

	OUTDOOR AMBIENT TEMPERATURE																	
	65	60	55	50	47	45	40	35	30	25	20	17	15	10	5	0	-5	-10
MBh	33.2	31.4	29.6	27.6	26.4	25.6	23.8	21.9	19.9	18.4	16.9	16.0	15.4	13.8	12.3	10.7	9.1	7.5
ΔT	30.7	29.1	27.4	25.6	24.4	23.7	22.0	20.3	18.5	17.0	15.7	14.8	14.3	12.8	11.3	9.9	8.4	6.9
KW	2.52	2.47	2.42	2.37	2.35	2.32	2.28	2.23	2.37	2.32	2.26	2.23	2.21	2.16	2.11	2.05	2.00	1.95
Amps	11.0	10.2	9.5	8.9	8.6	8.4	7.9	7.5	7.2	6.9	6.5	6.4	6.3	6.0	5.6	5.2	4.8	4.3
COP	3.86	3.72	3.57	3.41	3.29	3.22	3.05	2.87	2.46	2.33	2.19	2.10	2.04	1.87	1.70	1.52	1.33	1.12
EER	13.2	12.7	12.2	11.6	11.3	11.0	10.4	9.8	8.4	7.9	7.5	7.2	7.0	6.4	5.8	5.2	4.6	3.8

Calculations are based on nominal CFM and 70 °F indoor dry bulb.

Note: Shaded area is ARI Rating Conditions at 47°F outdoor ambient temperature

Amps = Outdoor unit amps (comp.+fan)

kW = Total system power

EXPANDED HEATING DATA (CONT.)

ASZ130361A* / AR*F364216**

	OUTDOOR AMBIENT TEMPERATURE																	
	65	60	55	50	47	45	40	35	30	25	20	17	15	10	5	0	-5	-10
MBh	42.7	40.5	38.1	35.6	34.0	32.9	30.6	28.2	24.9	23.0	21.2	20.0	19.3	17.3	15.3	13.4	11.4	9.3
ΔT	31.0	29.4	27.7	25.9	24.7	23.9	22.2	20.5	18.1	16.7	15.4	14.5	14.0	12.5	11.1	9.7	8.3	6.8
KW	3.15	3.09	3.03	2.97	2.93	2.90	2.84	2.78	2.83	2.77	2.70	2.66	2.64	2.57	2.51	2.44	2.38	2.31
Amps	14.7	13.6	12.7	12.0	11.5	11.3	10.7	10.1	9.7	9.2	8.8	8.6	8.5	8.0	7.5	7.0	6.5	5.8
COP	3.97	3.83	3.68	3.51	3.39	3.32	3.15	2.97	2.57	2.43	2.29	2.20	2.14	1.97	1.79	1.60	1.40	1.18
EER	13.5	13.1	12.6	12.0	11.6	11.3	10.8	10.1	8.8	8.3	7.8	7.5	7.3	6.7	6.1	5.5	4.8	4.0

ASZ130421A* / AR*F364216**

	OUTDOOR AMBIENT TEMPERATURE																	
	65	60	55	50	47	45	40	35	30	25	20	17	15	10	5	0	-5	-10
MBh	50.3	47.6	44.8	41.9	40.0	38.8	36.0	33.2	29.9	27.6	25.4	24.0	23.1	20.7	18.4	16.0	13.7	11.2
ΔT	33.3	31.5	29.6	27.7	26.5	25.6	23.8	22.0	19.8	18.3	16.8	15.9	15.3	13.7	12.2	10.6	9.0	7.4
KW	3.71	3.63	3.56	3.49	3.45	3.42	3.35	3.28	3.25	3.17	3.10	3.06	3.03	2.96	2.88	2.81	2.74	2.67
Amps	17.5	16.2	15.1	14.2	13.7	13.4	12.6	11.9	11.4	10.9	10.3	10.1	9.9	9.4	8.7	8.2	7.5	6.7
COP	3.97	3.83	3.68	3.51	3.40	3.32	3.15	2.97	2.70	2.55	2.40	2.30	2.23	2.05	1.87	1.67	1.46	1.23
EER	13.6	13.1	12.6	12.0	11.6	11.3	10.8	10.1	9.2	8.7	8.2	7.8	7.6	7.0	6.4	5.7	5.0	4.2

ASZ130481A* / AR*F486016**

	OUTDOOR AMBIENT TEMPERATURE																	
	65	60	55	50	47	45	40	35	30	25	20	17	15	10	5	0	-5	-10
MBh	55.3	52.4	49.3	46.1	44.0	42.6	39.6	36.5	33.6	31.1	28.6	27.0	26.0	23.3	20.7	18.0	15.4	12.6
ΔT	34.1	32.3	30.4	28.4	27.2	26.3	24.4	22.5	20.8	19.2	17.7	16.7	16.1	14.4	12.8	11.1	9.5	7.8
KW	3.95	3.87	3.80	3.72	3.68	3.65	3.58	3.50	3.50	3.42	3.34	3.30	3.27	3.19	3.11	3.04	2.96	2.88
Amps	18.4	17.0	15.9	14.9	14.4	14.1	13.3	12.6	12.0	11.5	10.9	10.6	10.5	9.9	9.2	8.6	8.0	7.1
COP	4.10	3.96	3.80	3.62	3.50	3.42	3.24	3.05	2.82	2.66	2.50	2.40	2.33	2.14	1.94	1.74	1.52	1.28
EER	14.0	13.5	13.0	12.4	12.0	11.7	11.1	10.4	9.6	9.1	8.6	8.2	8.0	7.3	6.6	5.9	5.2	4.4

ASZ130601A* / AR*F486016**

	OUTDOOR AMBIENT TEMPERATURE																	
	65	60	55	50	47	45	40	35	30	25	20	17	15	10	5	0	-5	-10
MBh	72.9	69.0	65.0	60.7	58.0	56.2	52.2	48.1	44.9	41.4	38.1	36.0	34.7	31.1	27.6	24.0	20.5	16.8
ΔT	37.5	35.5	33.4	31.2	29.8	28.9	26.9	24.8	23.1	21.3	19.6	18.5	17.8	16.0	14.2	12.4	10.6	8.6
KW	5.21	5.11	5.01	4.91	4.86	4.81	4.72	4.62	4.66	4.55	4.45	4.39	4.35	4.25	4.14	4.04	3.94	3.84
Amps	26.9	24.8	23.2	21.7	20.9	20.5	19.3	18.2	17.4	16.6	15.7	15.3	15.1	14.3	13.3	12.4	11.4	10.2
COP	4.09	3.95	3.79	3.62	3.49	3.42	3.24	3.05	2.82	2.66	2.51	2.40	2.33	2.14	1.95	1.74	1.52	1.28
EER	14.0	13.5	13.0	12.4	11.9	11.7	11.1	10.4	9.6	9.1	8.6	8.2	8.0	7.3	6.7	5.9	5.2	4.4

Calculations are based on nominal CFM and 70 °F indoor dry bulb.

Note: Shaded area is ARI Rating Conditions at 47°F outdoor ambient temperature

Amps = Outdoor unit amps (comp.+fan)

kW = Total system power

AHRI RATINGS

OUTDOOR UNIT	INDOOR UNITS		COOLING CAPACITY (BTU/H)			TVA RATINGS ³			HEATING CAPACITY (BTU/H)			AHRI #	
	COILS/AIR HANDLERS	FURNACES	TOTAL	SENS.	SEER ¹	EER ²	TOTAL	SENS.	HI (47F)	HSPF ⁴	LOW (17F)		
ASZ13 0241A*	ADPF182416C*		17,400	12,900	13.00	11.00	16,100	12,700	17,000	8.0	10,000	3896013	
	AEPF183016C*		17,800	13,200	14.00	11.30	16,500	13,000	17,000	8.0	10,000	3186546	
	AR*F182416C*		17,400	12,900	13.00	11.00	16,100	12,700	17,000	8.0	10,000	3896014	
	ASPF183016E*		17,800	13,200	14.00	11.30	16,500	13,000	17,000	8.0	10,000	4248557	
	AVPTC183014A*		17,800	13,200	14.00	11.30	16,500	13,000	17,000	8.0	10,000	4431368	
	AWUF18XX16B*		17,400	12,900	13.00	11.00	16,100	12,700	17,000	8.0	10,000	3570290	
	AWUF24XX16B*		17,400	12,900	13.00	11.00	16,100	12,700	17,000	8.0	10,000	3620210	
	CA*F1824*6D*	A*VC950453BXA*		17,400	12,900	13.50	11.00	16,100	12,700	17,000	8.0	10,000	4150352
	CA*F1824*6D*	A*VM960603BXA*		17,400	12,900	13.50	11.00	16,100	12,700	17,000	8.0	10,000	4655004
	CA*F1824*6D*+HEEP		17,400	12,900	13.00	11.50	16,100	12,700	17,000	7.8	10,000	4150353	
	CA*F1824*6D*+MBVC1200**_-1A*		17,400	12,900	14.00	11.30	16,100	12,700	17,000	8.0	10,000	4150354	
	CHPF1824A6C*+HEEP		17,400	12,900	13.00	11.50	16,100	12,700	17,000	7.8	10,000	3299324	
	CHPF2430B6C*	A*VC950453BXA*		17,400	12,900	13.50	11.30	16,100	12,700	17,000	8.0	10,000	3597165
	CHPF2430B6C*	A*VM960603BXA*		17,400	12,900	13.50	11.30	16,100	12,700	17,000	8.0	10,000	4655033
CSCF1824N6D*	A*VC950453BXA*		17,400	12,900	13.50	11.30	16,100	12,700	17,000	8.0	10,000	4767291	
CSCF1824N6D*+HEEP		17,400	12,900	13.00	11.00	16,100	12,700	17,000	7.8	10,000	4767292		
ASZ13 0241A*	ADPF182416C*		23,000	17,000	13.00	11.00	21,300	16,800	23,000	8.0	13,400	3896015	
	AEPF183016C*		23,000	17,000	14.00	11.30	21,300	16,800	23,000	8.2	13,400	3635253	
	AR*F182416C*		23,000	17,000	13.00	11.00	21,300	16,800	23,000	8.0	13,400	3896016	
	ASPF183016E*		23,000	17,000	14.00	11.30	21,300	16,800	23,000	8.2	13,400	4248559	
	AVPTC183014A*		23,000	17,000	14.00	11.30	21,300	16,800	23,000	8.2	13,400	4431369	
	AWUF24XX16B*		22,600	16,700	13.00	11.00	20,900	16,500	23,000	8.0	13,400	3620211	
	AWUF30XX16B*		23,000	17,000	13.00	11.00	21,300	16,800	23,000	8.0	13,400	3422852	
	AWUF36XX16B*		23,000	17,000	13.00	11.00	21,300	16,800	23,000	8.0	13,400	3422853	
	CA*F1824*6D*	A*VC950453BXA*		23,000	17,000	13.50	11.30	21,300	16,800	23,000	8.0	13,400	4150355
	CA*F1824*6D*+HEEP	A*VM960603BXA*		23,000	17,000	13.50	11.30	21,300	16,800	23,000	8.0	13,400	4655005
	CA*F1824*6D*+MBVC1200**_-1A*		23,000	17,000	14.00	11.00	21,300	16,800	23,000	8.0	13,400	4150356	
	CA*F1824*6D*+TXV	A*VC950704CXA*		23,000	17,000	14.00	11.30	21,300	16,800	23,000	8.2	13,400	4150357
	CHPF1824A6C*+HEEP		23,000	17,000	13.00	11.00	21,300	16,800	23,000	8.0	13,400	4150358	
	CHPF2430B6C*	A*VC950453BXA*		23,000	17,000	13.50	11.30	21,300	16,800	23,000	8.0	13,400	3299336
CHPF2430B6C*	A*VM960603BXA*		23,000	17,000	13.50	11.30	21,300	16,800	23,000	8.0	13,400	3597180	
CHPF2430B6C*+MBE1200**_-1B*		23,000	17,000	14.00	11.30	21,300	16,800	23,000	8.2	13,400	4655034		
CHPF2430B6C*+MBVC1200**_-1A*		23,000	17,000	14.00	11.30	21,300	16,800	23,000	8.2	13,400	3299339		
CSCF1824N6D*	A*VC950453BXA*		23,000	17,000	13.50	11.30	21,300	16,800	23,000	8.2	13,400	3674544	
CSCF1824N6D*+HEEP		23,000	17,000	13.00	11.00	21,300	16,800	23,000	8.0	13,400	4767294		

¹ Seasonal Energy Efficiency Ratio; Certified per ARI 210/240 @ 80°F/ 67°F/ 95°F
² Energy Efficiency Ratio @ 80°F/ 67°F/ 95°F
³ TVA Rating: BTU/h @ 75°F/ 63°F - 95°F
⁴ HSPF = Heating Seasonal Performance Factor

Notes:

- Always check the S&R plate for electrical data on the unit being installed.
- When matching outdoor unit to indoor unit, use the piston supplied with the outdoor unit or that specified on the piston kit chart supplied with the indoor unit.
- EHP - Order from Service Dept. Part No. B13707-38 or new Solid State Board B13707-35S. Part No. B13707-38 is not interchangeable with B13707-35S. The Goodman Gas Furnace contains the EEP cooling time delay

AHRI RATINGS (CONT.)

OUTDOOR UNIT	INDOOR UNITS		COOLING CAPACITY (BTU/H)		TVA RATINGS ³		HEATING CAPACITY (BTU/H)			AHRI #		
	COILS/AIR HANDLERS	FURNACES	TOTAL	SENS.	SEER ¹	EER ²	TOTAL	SENS.	Hi (47F)		HSPF ⁴	Low (17F)
ASZ13 0301A*	ADPF304216C*		28,400	21,000	13.00	11.00	26,300	21,300	26,400	8.0	16,000	
	AEPF183016C*		28,400	21,000	13.50	11.30	26,300	21,300	26,400	8.2	16,000	
	AR*F182416C*+TXV		26,800	19,800	13.00	11.00	24,800	20,100	26,400	8.2	16,000	
	AR*F303016C*		28,400	21,000	13.00	11.00	26,300	21,300	26,400	8.0	16,000	
	ASPF183016E*		28,400	21,000	14.00	11.30	26,300	21,300	26,400	8.2	16,000	
	AVPTC183014A*		28,400	21,000	13.50	11.30	26,300	21,300	26,400	8.2	16,000	
	AWUF30XX16B*		27,400	20,300	13.00	11.00	25,300	20,500	25,600	8.0	14,400	
	AWUF36XX16B*		28,000	20,700	13.00	11.00	25,900	21,000	25,600	8.0	14,400	
	AWUF37XX16B*		28,000	20,700	13.00	11.00	25,900	21,000	25,800	8.0	14,000	
	CA*F3131*6D*	A*VC950453BXA*		28,400	21,000	13.50	11.30	26,300	21,300	26,400	8.0	16,000
	CA*F3131*6D*	A*VM960603BXA*		28,400	21,000	13.50	11.30	26,300	21,300	26,400	8.0	16,000
	CA*F3131*6D*	A*VC90704CXA*		28,400	21,000	13.50	11.30	26,300	21,300	26,400	8.0	16,000
	CA*F3131*6D*	A*VC950714CXA*		28,400	21,000	13.50	11.30	26,300	21,300	26,400	8.0	16,000
	CA*F3131*6D*	A*VC950704CXA*		28,400	21,000	13.50	11.30	26,300	21,300	26,400	8.0	16,000
	CA*F3131*6D*+EEP	A*VM960604CXA*		28,400	21,000	13.50	11.30	26,300	21,300	26,400	8.0	16,000
	CHPF2430B6C*	A*VM960603BXA*		28,400	21,000	13.00	11.00	26,300	21,300	26,400	8.0	16,000
	CHPF2430B6C*	A*VC950453BXA*		28,400	21,000	13.50	11.30	26,300	21,300	26,400	8.0	16,000
	CHPF2430B6C*+EEP			28,400	21,000	13.00	11.00	26,300	21,300	26,400	8.0	16,000
	CHPF2430B6C*+MBE1200**,-1B*			28,400	21,000	14.00	11.30	26,300	21,300	26,400	8.2	16,000
CHPF2430B6C*+MBVC1200**,-1A*			28,400	21,000	14.00	11.30	26,300	21,300	26,400	8.2	16,000	
CSCF3036N6D*	A*VC950453BXA*		28,400	21,000	13.50	11.30	26,300	21,300	26,400	8.0	16,000	
CSCF3036N6D*+EEP			28,400	21,000	13.00	11.00	26,300	21,300	26,400	8.0	16,000	
ASZ13 0361A*	ADPF304216C*		35,000	26,300	13.00	11.00	32,400	25,600	34,000	8.0	20,000	
	AR*F363616C*		35,000	26,300	13.00	11.00	32,400	25,600	34,000	8.0	20,000	
	AR*F364216C*		35,000	26,300	13.00	11.00	32,400	25,600	34,000	8.0	20,000	
	ASPF131716E*		35,000	26,300	14.00	11.30	32,400	25,600	34,000	8.2	20,000	
	AVPTC313714A*		35,000	26,300	14.00	11.30	32,400	25,600	34,000	8.2	20,000	
	AWUF37XX16B*		34,000	25,500	13.00	11.00	31,500	24,900	34,000	8.0	17,000	
	CA*F3642*6D*	A*V81155C**		35,000	26,300	14.00	11.30	32,400	25,600	34,000	8.2	20,000
	CA*F3642*6D*+EEP			35,000	26,300	13.00	11.00	32,400	25,600	34,000	8.2	20,000
	CA*F3642*6D*+MBE1600**,-1B*			35,000	26,300	14.00	11.30	32,400	25,600	34,000	7.8	20,000
	CA*F3743*6D*	A*VC950905DXA*		35,000	26,300	13.50	11.30	32,400	25,600	34,000	8.2	20,000
	CA*F3743*6D*	A*VM961005DXA*		35,000	26,300	13.50	11.30	32,400	25,600	34,000	8.0	20,000
	CA*F3743*6D*	A*VM960805CXA*		35,000	26,300	13.50	11.30	32,400	25,600	34,000	8.0	20,000
	CA*F3743*6D*	A*VC950905CXA*		35,000	26,300	13.50	11.30	32,400	25,600	34,000	8.0	20,000
CA*F3743*6D*	A*VM961155DXA*		35,000	26,300	13.50	11.30	32,400	25,600	34,000	8.0	20,000	
CA*F3743*6D*	A*VM960805DXA*		35,000	26,300	13.50	11.30	32,400	25,600	34,000	8.0	20,000	

AHRI RATINGS (CONT.)

OUTDOOR UNIT	INDOOR UNITS		COOLING CAPACITY (BTU/H)			HEATING CAPACITY (BTU/H)			AHRI #		
	COILS/AIR HANDLERS	FURNACES	TOTAL	SENS.	SEER ¹	EER ²	TOTAL	SENS.		HI (47F)	HSPF ⁴
ASZ13 0361A * (cont.)	CA*F3743*6D*	G*VC950915DXA*	35,000	26,300	13.50	11.30	32,400	25,600	34,000	8.0	20,000
	CA*F3743*6D*	A*VC81155CXA*	35,000	26,300	14.00	11.30	32,400	25,600	34,000	8.2	20,000
	CA*F3743*6D*	G*VC81005C*A*	35,000	26,300	13.50	11.30	32,400	25,600	34,000	8.2	20,000
	CA*F3743*6D*	GDVVC81005C*A*	35,000	26,300	13.50	11.30	32,400	25,600	34,000	8.2	20,000
	CA*F3743*6D*	A*VC90905DXA*	35,000	26,300	13.50	11.30	32,400	25,600	34,000	8.0	20,000
	CA*F3743*6D*	A*VC950915DXA*	35,000	26,300	13.50	11.30	32,400	25,600	34,000	8.0	20,000
	CA*F3743*6D*	A*VC951155DXA*	35,000	26,300	13.50	11.30	32,400	25,600	34,000	8.0	20,000
	CA*F3743*6D*+MBVC1600**,-1A*		35,000	26,300	14.00	11.30	32,400	25,600	34,000	8.2	20,000
	CHPF363686C*+EEP		35,000	26,300	13.00	11.00	32,400	25,600	34,000	7.8	20,000
	CHPF3642C6C*	A*V81155C**	35,000	26,300	14.00	11.30	32,400	25,600	34,000	8.2	20,000
	CHPF3642C6C*	A*VC81155CXA*	35,000	26,300	14.00	11.30	32,400	25,600	34,000	8.2	20,000
	CHPF3642C6C*	G*VC81005C*A*	35,000	26,300	13.50	11.30	32,400	25,600	34,000	8.2	20,000
	CHPF3642C6C*	GDVVC81005C*A*	35,000	26,300	13.50	11.30	32,400	25,600	34,000	8.2	20,000
	CHPF3642C6C*+EEP		35,000	26,300	13.00	11.00	32,400	25,600	34,000	7.8	20,000
	CHPF3642C6C*+MBE1600**,-1B*		35,000	26,300	14.00	11.30	32,400	25,600	34,000	8.0	20,000
	CHPF3642C6C*+MBVC1600**,-1A*		35,000	26,300	14.00	11.30	32,400	25,600	34,000	8.0	20,000
	CHPF3642D6C*	A*VC951155DXA*	35,000	26,300	14.00	11.30	32,400	25,600	34,000	8.2	20,000
	CHPF3642D6C*	A*VC950905DXA*	35,000	26,300	14.00	11.30	32,400	25,600	34,000	8.2	20,000
	CHPF3642D6C*	A*VM960805DXA*	35,000	26,300	13.50	11.30	32,400	25,600	34,000	8.0	20,000
	CHPF3642D6C*	A*VM960805CXA*	35,000	26,300	14.00	11.30	32,400	25,600	34,000	8.2	20,000
CHPF3642D6C*	A*VM961155DXA*	35,000	26,300	14.00	11.30	32,400	25,600	34,000	8.2	20,000	
CHPF3642D6C*	A*VC90905DXA*	35,000	26,300	14.00	11.30	32,400	25,600	34,000	8.2	20,000	
CHPF3642D6C*	A*VC950905CXA*	35,000	26,300	14.00	11.30	32,400	25,600	34,000	8.2	20,000	
CHPF3642D6C*	A*VM961005DXA*	35,000	26,300	14.00	11.30	32,400	25,600	34,000	8.2	20,000	
CHPF3642D6C*+EEP		35,000	26,300	13.00	11.00	32,400	25,600	34,000	7.8	20,000	
CSCF3642N6D*	A*VC81155CXA*	35,000	26,300	14.00	11.30	32,400	25,600	34,000	8.2	20,000	
CSCF3642N6D*	A*VC950905DXA*	35,000	26,300	14.00	11.30	32,400	25,600	34,000	8.0	20,000	
CSCF3642N6D*	A*VC950905CXA*	35,000	26,300	14.00	11.30	32,400	25,600	34,000	8.0	20,000	
CSCF3642N6D*	A*VC951155DXA*	35,000	26,300	14.00	11.30	32,400	25,600	34,000	8.0	20,000	
CSCF3642N6D*+EEP		35,000	26,300	13.00	11.00	32,400	25,600	34,000	7.8	20,000	

1 Seasonal Energy Efficiency Ratio, Certified per ARI 210/240 @ 80°F/ 67°F/ 95°F
 2 Energy Efficiency Ratio @ 80°F/ 67°F/ 95°F
 3 TVA Rating: BTU/h @ 75°F/ 63°F -95°F
 4 HSPF = Heating Seasonal Performance Factor

Notes:

- Always check the S&R plate for electrical data on the unit being installed.
- When matching outdoor unit to indoor unit, use the piston supplied with the outdoor unit or that specified on the piston kit chart supplied with the indoor unit.
- EEP - Order from Service Dept. Part No. B13707-38 or new Solid State Board B13707-35S. Part No. B13707-38 is not interchangeable with B13707-35S. The Goodman Gas Furnace contains the EEP cooling time delay

See Notes on Page 25.

AHRI RATINGS (CONT.)

OUTDOOR UNIT	INDOOR UNITS		COOLING CAPACITY (BTU/H)			TVA RATINGS ³			HEATING CAPACITY (BTU/H)			AHRI #
	COILS/AIR HANDLERS	FURNACES	TOTAL	SENS.	SEER ¹	EER ²	TOTAL	SENS.	Hi (47F)	HSPF ⁴	Low (17F)	
ASZ13 0421A*	ADPF304216C*		40,500	30,300	13.00	11.00	37,500	29,600	40,000	8.0	24,000	3752292
	AEPF426016C*		41,000	30,300	14.00	11.30	37,900	29,900	40,500	8.2	24,000	3595302
	AR*F364216C*		40,500	30,000	13.00	11.00	37,500	29,600	40,000	8.0	24,000	3752294
	ASPF426016E*		41,000	30,300	14.00	11.30	37,900	29,900	40,500	8.2	24,000	4358449
	AVPTC426014A*		41,000	30,300	14.00	11.30	37,900	29,900	40,500	8.2	24,000	4431370
	CA*F3642*6D*+EEP		40,000	29,600	13.00	11.00	37,000	29,200	40,000	8.0	24,000	3881454
	CA*F4860*6D*	A*V81155C**	41,000	30,300	14.00	11.30	37,900	29,900	40,500	8.2	24,000	3881457
	CA*F4860*6D*	A*VC951155DXA*	41,000	30,300	13.50	11.30	37,900	29,900	40,500	8.0	24,000	3881462
	CA*F4860*6D*	A*VC90905DXA*	41,000	30,300	13.50	11.30	37,900	29,900	40,500	8.0	24,000	3881460
	CA*F4860*6D*	A*VC950905CXA*	41,000	30,300	13.50	11.20	37,900	29,900	40,500	8.0	24,000	4185098
	CA*F4860*6D*	G*VC950915DXA*	41,000	30,300	13.50	11.30	37,900	29,900	40,500	8.0	24,000	4594900
	CA*F4860*6D*	A*VC950915DXA*	41,000	30,300	13.50	11.30	37,900	29,900	40,500	8.0	24,000	4185022
	CA*F4860*6D*	A*VM960805CXA*	41,000	30,300	13.50	11.20	37,900	29,900	40,500	8.0	24,000	4654953
	CA*F4860*6D*	A*VM960805DXA*	41,000	30,300	13.50	11.30	37,900	29,900	40,500	8.0	24,000	4655107
	CA*F4860*6D*	G*VC80805C*A*	41,000	30,300	13.50	11.30	37,900	29,900	40,500	8.2	24,000	4888069
	CA*F4860*6D*	GDVC80805C*A*	41,000	30,300	13.50	11.30	37,900	29,900	40,500	8.2	24,000	4888070
	CA*F4860*6D*	A*VC950905DXA*	41,000	30,300	13.50	11.30	37,900	29,900	40,500	8.0	24,000	3881461
	CA*F4860*6D*	A*VM961005DXA*	41,000	30,300	13.50	11.30	37,900	29,900	40,500	8.0	24,000	4654878
	CA*F4860*6D*	A*VC80905CXA*	41,000	30,300	14.00	11.30	37,900	29,900	40,500	8.2	24,000	3881463
	CA*F4860*6D*	A*VM961155DXA*	41,000	30,300	13.50	11.30	37,900	29,900	40,500	8.0	24,000	4654800
	CHPF3642C6C*+EEP		40,500	30,000	13.00	11.00	37,500	29,600	40,000	8.0	24,000	3299445
	CHPF3642D6C*+EEP		40,500	30,000	13.00	11.00	37,500	29,600	40,000	8.0	24,000	3299446
	CHPF4860D6D*	A*V81155C**	41,000	30,300	14.00	11.30	37,900	29,900	40,500	8.2	24,000	3299448
	CHPF4860D6D*	A*VC90905DXA*	41,000	30,300	13.50	11.30	37,900	29,900	40,500	8.0	24,000	3597128
	CHPF4860D6D*	A*VC950905DXA*	41,000	30,300	13.50	11.30	37,900	29,900	40,500	8.0	24,000	3597299
	CHPF4860D6D*	A*VC80905CXA*	41,000	30,300	14.00	11.30	37,900	29,900	40,500	8.2	24,000	3642860
	CHPF4860D6D*	A*VM961005DXA*	41,000	30,300	13.50	11.30	37,900	29,900	40,500	8.0	24,000	4654913
	CHPF4860D6D*	A*VM960805DXA*	41,000	30,300	13.50	11.30	37,900	29,900	40,500	8.0	24,000	4655140
CHPF4860D6D*	A*VM960805CXA*	41,000	30,300	13.50	11.20	37,900	29,900	40,500	8.0	24,000	4654982	
CHPF4860D6D*	GDVC80805C*A*	41,000	30,300	13.50	11.30	37,900	29,900	40,500	8.2	24,000	4888072	
CHPF4860D6D*	A*VC950905CXA*	41,000	30,300	13.50	11.30	37,900	29,900	40,500	8.0	24,000	4185099	
CHPF4860D6D*	A*VC951155DXA*	41,000	30,300	13.50	11.30	37,900	29,900	40,500	8.0	24,000	3597373	
CHPF4860D6D*	A*VM961155DXA*	41,000	30,300	13.50	11.30	37,900	29,900	40,500	8.0	24,000	4654834	
CHPF4860D6D*	G*VC80805C*A*	41,000	30,300	13.50	11.30	37,900	29,900	40,500	8.2	24,000	4888071	
CHPF4860D6D*+MBE1600**-.1B*		41,000	30,300	14.00	11.30	37,900	29,900	40,500	8.2	24,000	3299451	
CHPF4860D6D*+MBVC1600**-.1A*		41,000	30,300	14.00	11.30	37,900	29,900	40,500	8.2	24,000	3674561	
CSCF3642N6D*+EEP		40,000	29,600	13.00	11.00	37,000	29,200	40,000	8.0	24,000	4767302	
CSCF4860N6D*	A*VC80905CXA*	41,000	30,300	14.00	11.30	37,900	29,900	40,500	8.2	24,000	4767303	
CSCF4860N6D*	A*VC950905DXA*	41,000	30,300	14.00	11.30	37,900	29,900	40,500	8.0	24,000	4767305	
CSCF4860N6D*	A*VC950905CXA*	41,000	30,300	13.50	11.30	37,900	29,900	40,500	8.0	24,000	4767304	

See Notes on Page 25.

AHRI RATINGS (CONT.)

OUTDOOR UNIT	INDOOR UNITS		FURNACES	COOLING CAPACITY (BTU/H)		EER ¹		TVR RATINGS ³		HEATING CAPACITY (BTU/H)		AHRI #
	COILS/AIR HANDLERS			TOTAL	SENS.	SEER ¹	EER ²	TOTAL	SENS.	Hi (47F)	HSPF ⁴	
	ADPF486016C*			46,000	35,000	13.00	11.00	42,600	34,500	44,000	8.2	4358450
	AEPF426016C*+TXV			46,000	35,000	14.00	11.30	42,600	34,500	44,000	8.2	3595303
	AR*F486016C*			46,000	35,000	13.00	11.00	42,600	34,500	44,000	8.2	3896018
	ASPF426016E*+TXV			46,000	35,000	14.00	11.30	42,600	34,500	44,000	8.2	4358452
	AVPTC426014A*			46,000	35,000	14.00	11.30	42,600	34,500	44,000	8.2	4431371
	CA*F4860*6D*+HEEP			46,000	35,000	13.00	11.00	42,600	34,500	44,000	8.2	3881464
	CA*F4860*6D*+MBVC2000**_1A*+TXV			46,000	35,000	14.00	11.30	42,600	34,500	44,000	8.2	3881466
	CA*F4860*6D*+TXV		A*VC951155DXA*	46,000	35,000	14.00	11.30	42,600	34,500	44,000	8.2	3881476
	CA*F4860*6D*+TXV		A*VC950905DXA*	46,000	35,000	14.00	11.30	42,600	34,500	44,000	8.2	3881475
	CA*F4860*6D*+TXV		A*V81155C**	46,000	35,000	14.00	11.30	42,600	34,500	44,000	8.2	3881469
	CA*F4860*6D*+TXV		A*VC80905CXA*	46,000	35,000	14.00	11.30	42,600	34,500	44,000	8.2	3881477
	CA*F4860*6D*+TXV		A*VC950905CXA*	46,000	35,000	14.00	11.30	42,600	34,500	44,000	8.2	4185102
	CA*F4860*6D*+TXV		A*VC950915DXA*	45,500	34,600	14.00	11.30	42,100	34,100	44,000	8.2	4185026
	CA*F4860*6D*+TXV		G*VC950915DXA*	45,500	34,600	14.00	11.30	42,100	34,100	44,000	8.2	4594904
	CA*F4860*6D*+TXV		A*VM961155DXA*	46,000	35,000	14.00	11.30	42,600	34,500	44,000	8.2	4654801
	CA*F4860*6D*+TXV		A*VM960805DXA*	45,500	34,600	14.00	11.30	42,100	34,100	44,000	8.2	4655108
	CA*F4860*6D*+TXV		A*VM961005DXA*	46,000	35,000	14.00	11.30	42,600	34,500	44,000	8.2	4654879
	CA*F4860*6D*+TXV		G*VC80805C*A*	45,000	34,200	13.50	11.30	41,600	33,700	44,000	8.2	4888077
	CA*F4860*6D*+TXV		GDVC80805C*A*	45,000	34,200	13.50	11.30	41,600	33,700	44,000	8.2	4888078
	CA*F4860*6D*+TXV		A*VC90905DXA*	46,000	35,000	14.00	11.30	42,600	34,500	44,000	8.2	3881474
	CA*F4860*6D*+TXV		A*VM960805CXA*	46,000	35,000	14.00	11.30	42,600	34,500	44,000	8.2	4654954
ASZ13	CHPF4860D6D*+HEEP			46,000	35,000	13.00	11.30	42,600	34,500	44,000	8.2	3299462
0481A*	CHPF4860D6D*+MBE2000**_1B*+TXV			46,000	35,000	14.00	11.30	42,600	34,500	44,000	8.2	3299463
	CHPF4860D6D*+MBVC2000**_1A*+TXV			46,000	35,000	14.00	11.30	42,600	34,500	44,000	8.2	3674562
	CHPF4860D6D*+TXV		A*V81155C**	46,000	35,000	14.00	11.30	42,600	34,500	44,000	8.2	3299465
	CHPF4860D6D*+TXV		A*VC90905DXA*	46,000	35,000	14.00	11.30	42,600	34,500	44,000	8.2	3597137
	CHPF4860D6D*+TXV		A*VC950905CXA*	46,000	35,000	14.00	11.30	42,600	34,500	44,000	8.2	4185103
	CHPF4860D6D*+TXV		A*VM960805DXA*	45,500	34,600	14.00	11.30	42,100	34,100	44,000	8.2	4655141
	CHPF4860D6D*+TXV		A*VM961155DXA*	46,000	35,000	14.00	11.30	42,600	34,500	44,000	8.2	4654837
	CHPF4860D6D*+TXV		A*VM961005DXA*	46,000	35,000	14.00	11.30	42,600	34,500	44,000	8.2	4654917
	CHPF4860D6D*+TXV		G*VC80805C*A*	45,000	34,200	13.50	11.30	41,600	33,700	44,000	8.2	4888079
	CHPF4860D6D*+TXV		GDVC80805C*A*	45,000	34,200	13.50	11.30	41,600	33,700	44,000	8.2	4888080
	CHPF4860D6D*+TXV		A*VC950905DXA*	46,000	35,000	14.00	11.30	42,600	34,500	44,000	8.2	3597308
	CHPF4860D6D*+TXV		A*VC951155DXA*	46,000	35,000	14.00	11.30	42,600	34,500	44,000	8.2	3597382
	CHPF4860D6D*+TXV		A*VM960805CXA*	46,000	35,000	14.00	11.30	42,600	34,500	44,000	8.2	4654986
	CHPF4860D6D*+TXV		A*VC80905CXA*	46,000	35,000	14.00	11.30	42,600	34,500	44,000	8.2	3642869
	CSCF4860N6D*+HEEP			46,000	35,000	13.00	11.30	42,600	34,500	44,000	8.2	4767306
	CSCF4860N6D*+TXV		A*VC950905CXA*	46,000	35,000	14.00	11.30	42,600	34,500	44,000	8.2	4767308
	CSCF4860N6D*+TXV		A*VC80905CXA*	46,000	35,000	14.00	11.30	42,600	34,500	44,000	8.2	4767307
	CSCF4860N6D*+TXV		A*VC951155DXA*	46,000	35,000	14.00	11.30	42,600	34,500	44,000	8.2	4767310
	CSCF4860N6D*+TXV		A*VC950905DXA*	46,000	35,000	14.00	11.30	42,600	34,500	44,000	8.2	4767309

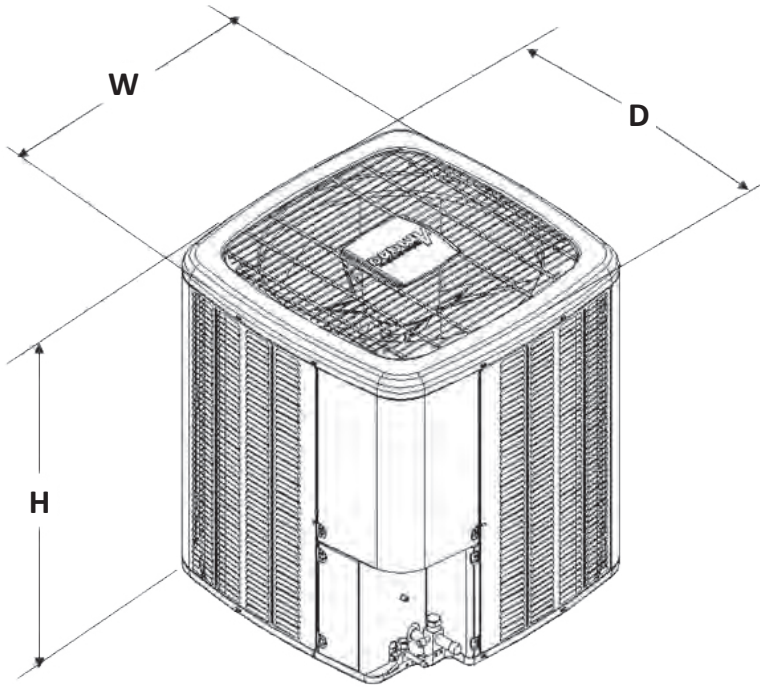
AHRI RATINGS (CONT.)

OUTDOOR UNIT	INDOOR UNITS		FURNACES		COOLING CAPACITY (BTU/H)		EER ²		TVA RATINGS ³		HEATING CAPACITY (BTU/H)		AHRI #
	COILS/AIR HANDLERS				TOTAL	SENS.	SEER ¹		TOTAL	SENS.	HI (47F)	HSPF ⁴	
ASZ13 0601A*	ADPF486016C*				57,000	42,800	13.00	11.10	52,700	42,200	58,000	8.2	36,000
	AEPF426016C*+TXV				57,000	42,800	13.50	11.20	52,700	42,200	58,000	8.5	36,000
	AR*F486016C*				57,000	42,800	13.00	11.10	52,700	42,200	58,000	8.2	36,000
	ASPF426016E*+TXV				57,000	42,800	13.50	11.20	52,700	42,200	58,000	8.5	36,000
	AVPTC426014A*				57,000	42,800	13.50	11.20	52,700	42,200	58,000	8.5	36,000
	CA*F4860*6D*+EEP				57,000	42,800	13.00	11.10	52,700	42,200	58,000	8.2	36,000
	CA*F4860*6D*+MBVC2000**-.1A*+TXV				57,000	42,800	13.50	11.30	52,700	42,200	58,000	8.5	36,000
	CA*F4860*6D*+TXV			A*VC81155CXA*	57,000	42,800	13.30	11.20	52,700	42,200	58,000	8.2	36,000
	CA*F4860*6D*+TXV			G*VC80805C*A*	57,000	42,800	13.50	11.20	52,700	42,200	58,000	8.2	36,000
	CA*F4860*6D*+TXV			GDVC81005C*A*	57,000	42,800	13.50	11.20	52,700	42,200	58,000	8.2	36,000
	CA*F4860*6D*+TXV			GDVC80805C*A*	57,000	42,800	13.50	11.20	52,700	42,200	58,000	8.2	36,000
	CA*F4860*6D*+TXV			A*V81155C**	57,000	42,800	13.30	11.20	52,700	42,200	58,000	8.2	36,000
	CA*F4860*6D*+TXV			A*VC80905CXA*	57,000	42,800	13.30	11.20	52,700	42,200	58,000	8.2	36,000
	CA*F4860*6D*+TXV			G*VC81005C*A*	57,000	42,800	13.50	11.20	52,700	42,200	58,000	8.2	36,000
	CHPF4860D6D*+EEP				57,000	42,800	13.00	11.10	52,700	42,200	58,000	8.2	36,000
	CHPF4860D6D*+MBE2000**-.1B*+TXV				57,000	42,800	13.50	11.30	52,700	42,200	58,000	8.5	36,000
	CHPF4860D6D*+MBVC2000**-.1A*+TXV				57,000	42,800	13.50	11.30	52,700	42,200	58,000	8.5	36,000
	CHPF4860D6D*+TXV			A*VC81155CXA*	57,000	42,800	13.30	11.20	52,700	42,200	58,000	8.2	36,000
	CHPF4860D6D*+TXV			A*VC80905CXA*	57,000	42,800	13.30	11.20	52,700	42,200	58,000	8.2	36,000
	CHPF4860D6D*+TXV			A*V81155C**	57,000	42,800	13.30	11.20	52,700	42,200	58,000	8.2	36,000
CHPF4860D6D*+TXV			G*VC81005C*A*	57,000	42,800	13.50	11.20	52,700	42,200	58,000	8.2	36,000	
CHPF4860D6D*+TXV			GDVC81005C*A*	57,000	42,800	13.50	11.20	52,700	42,200	58,000	8.2	36,000	
CHPF4860D6D*+TXV			G*VC80805C*A*	57,000	42,800	13.50	11.20	52,700	42,200	58,000	8.2	36,000	
CSCF4860N6D*+EEP				57,000	42,800	13.00	11.00	52,700	42,200	58,000	8.2	36,000	
CSCF4860N6D*+TXV			A*VC80905CXA*	57,000	42,800	13.30	11.00	52,700	42,200	58,000	8.2	36,000	
CSCF4860N6D*+TXV			A*VC950905CXA*	57,000	42,800	13.30	11.00	52,700	42,200	58,000	8.2	36,000	
CSCF4860N6D*+TXV			A*VC950905DXA*	57,000	42,800	13.30	11.00	52,700	42,200	58,000	8.2	36,000	
CSCF4860N6D*+TXV			A*VC81155CXA*	57,000	42,800	13.30	11.00	52,700	42,200	58,000	8.2	36,000	
CSCF4860N6D*+TXV			A*VC951155DXA*	57,000	42,800	13.30	11.00	52,700	42,200	58,000	8.2	36,000	

1 Seasonal Energy Efficiency Ratio; Certified per ARI 210/240 @ 80°F/ 67°F/ 95°F
 2 Energy Efficiency Ratio @ 80°F/ 67°F/ 95°F
 3 TVA Rating: BTU/h @ 75°F/ 63°F - 95°F
 4 HSPF = Heating Seasonal Performance Factor

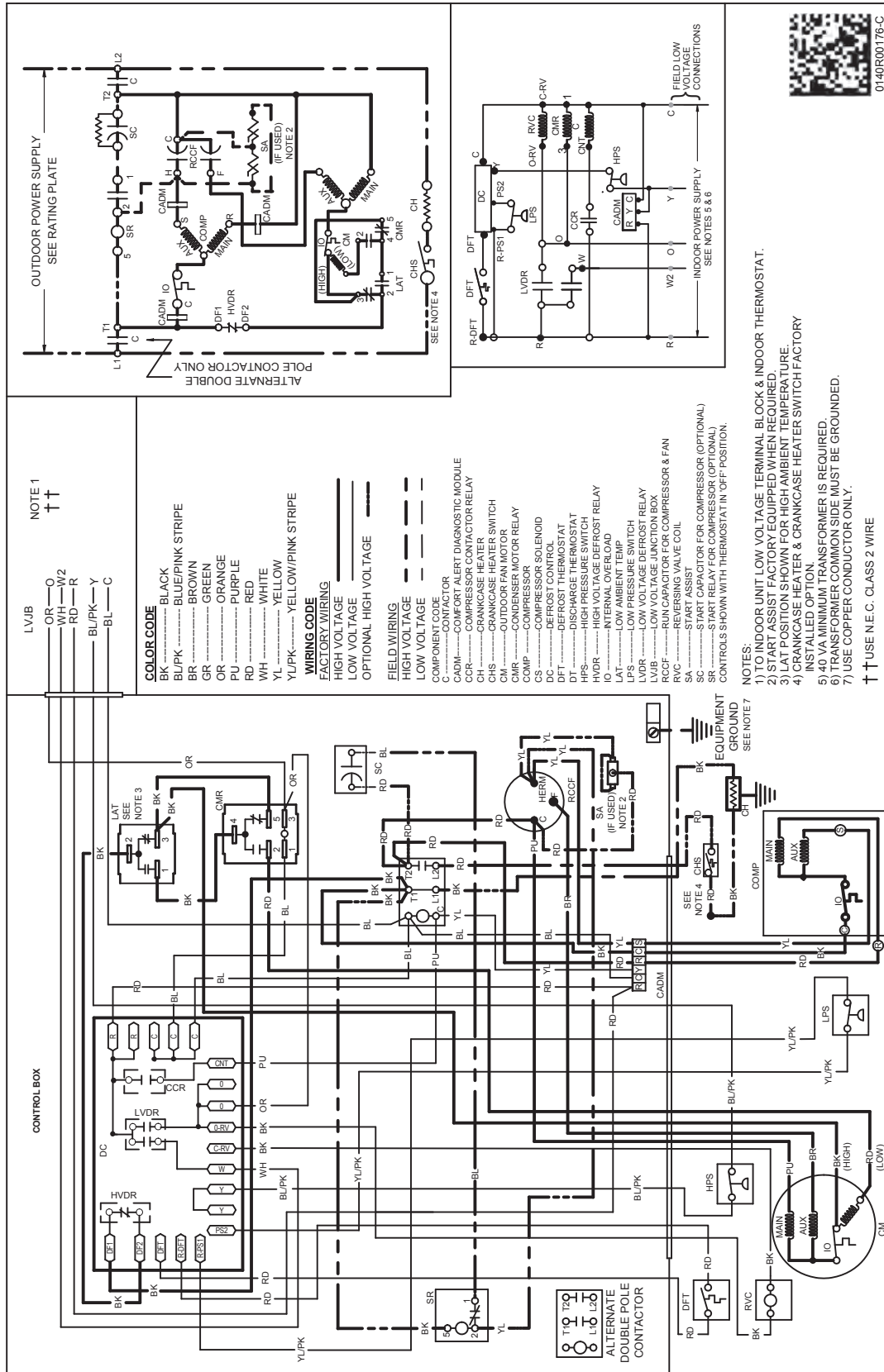
Notes:
 • Always check the S&R plate for electrical data on the unit being installed.
 • When matching outdoor unit to indoor unit, use the piston supplied with the outdoor unit or that specified on the piston kit chart supplied with the indoor unit.
 • EEP - Order from Service Dept. Part No. B13707-38 or new Solid State Board B13707-35S. Part No. B13707-38 is not interchangeable with B13707-35S. The Goodman Gas Furnace contains the EEP cooling time delay

DIMENSIONS



MODEL	DIMENSIONS		
	W"	D"	H"
ASZ130181A*	26	26	32¼
ASZ130241A*	26	26	32¼
ASZ130301A*	26	26	32¼
ASZ130361A*	29	29	38¼
ASZ130421A*	29	29	38¼
ASZ130481A*	29	29	34¼
ASZ130601A*	35½	35½	34¼

WIRING DIAGRAM



Wiring is subject to change. Always refer to the wiring diagram or the unit for the most up-to-date wiring.



High Voltage: Disconnect all power before servicing or installing this unit. Multiple power sources may be present. Failure to do so may cause property damage, personal injury, or death.



ACCESSORIES

MODEL #	DESCRIPTION	ASZ13 018	ASZ13 024	ASZ13 030	ASZ13 036	ASZ13 042	ASZ13 048	ASZ13 060
ABK-20	Anchor Bracket Kit ⁰	X	X	X	X	X	X	X
AFE18-60A	All-Fuel Kit	X	X	X	X	X	X	X
ASC01	Anti-Short Cycle Kit	X	X	X	X	X	X	X
CSR-U-1	Hard-Start Kit	X	X	X	X			
CSR-U-2	Hard-Start Kit				X	X	X	X
CSR-U-3	Hard-Start Kit						X	X
FSK01A1	Freeze Protection Kit	X	X	X	X	X	X	X
LAKT01A	Low-Ambient Kit	X	X	X	X	X	X	X
OT/EHR18-60	Emergency Heat Relay Kit	X	X	X	X	X	X	X
OT18-60A ²	Outdoor Thermostat w/ Lockout Stat	X	X	X	X	X	X	X
TX2N4 ³	TXV Kit	X						
TX2N4A ³	TXV Kit	X	X					
TX3N4 ³	TXV Kit			X	X			
TX5N4 ³	TXV Kit					X	X	X

⁰ Contains 20 brackets; four brackets needed to anchor unit to pad

¹ Installed on indoor coil

² Required for heat pump applications where ambient temperatures fall below 0°F with 50% or higher relative humidity.

³ Condensing units and heat pumps with reciprocating compressors require the use of start-assist components when used in conjunction with an indoor coil using a non-bleed thermal expansion valve refrigerant metering device or liquid line solenoid kit. The TXV should always be sized based on the tonnage of the outdoor unit.