



# DZ11S COMMERCIAL

7.5- & 10-Ton, Three-Phase  
Split System Heat Pump  
11 EER / 3.3 COP / R-410A

Plus

7.5- & 10-Ton, Three-Phase  
Split System Heat Pump with  
One Two-Speed Indoor Air Handler and  
Two 4-Ton or Two 5-Ton Condensers



## ■ Contents

Nomenclature.....	2
Product Specifications.....	3
Expanded Cooling Data .....	4
Expanded Heating Data.....	16
AHRI Ratings.....	18
Dimensions .....	19
Wiring Diagram.....	20
Accessories .....	22

## ■ Standard Features

- Energy-efficient compressor for the 7½- & 10-ton three-phase split system heat pump with internal pressure relief valve
- High-capacity, steel-cased, bi-flow heat pump filter drier
- Liquid refrigerant return protection
- Check flowrate heating mode expansion device
- Reliable, time-initiated, temperature-terminated defrost control
- Low-pressure switch
- Discharge line muffler
- Brass liquid and suction line service valves mounted at a 90° angle with sweat connections and service ports
- High-efficiency copper tube / aluminum fin coil
- Complies with ASHRAE 90.1-2007
- AHRI Certified; ETL Listed

## ■ Cabinet Features

- Innovative sound control top design for the 7½- & 10-ton three-phase split system heat pump
- Steel louver coil guard protects coil from damage and adds strength to the unit
- Heavy-gauge, galvanized-steel cabinet
- Attractive Nickel Gray powder-paint finish
- When properly anchored, meets the 2010 Florida Building Code unit integrity requirements for hurricane-type winds (Anchor bracket kits available.)



\* Complete warranty details available from your local dealer or at [www.daikincomfort.com](http://www.daikincomfort.com).

## NOMENCLATURE

	D	Z	11	S	A	090	3	A	A	
	1	2	3,4	5	6	7,8,9	10	11	12	
<b>Brand</b> D - Daikin										Engineering Minor revision
<b>Type</b> X - AC R-410A Z - HP R-410A										Engineering Major revision
<b>EER</b> 11 - 11.2 EER										Voltage 3 - 208/230 V Three-Phase 60 Hz 4 - 460 V Three-Phase 60 Hz
<b>Compressor</b> S - Single Stage T - Two Stage										Tonnage Nominal 090 - 7½ tons 120 - 10 tons
<b>Feature Set</b> A - Base										

## SPECIFICATIONS — DZ11SA

	DZ11SA 0903A*	DZ11SA 0904A*	DZ11SA 1203A*	DZ11SA 1204A*
<b>COOLING CAPACITIES</b>				
Nominal Cooling (BTU/h) <sup>1</sup>	87,000	87,000	110,000	110,000
Nominal Heating (BTU/h) <sup>1</sup>	82,000	82,000	100,000	100,000
EER	11	11	11	11
Decibels	84	84	84	84
<b>COMPRESSOR</b>				
RLA	25.0	12.2	30.1	16.7
LRA	164	100	225	114
<b>CONDENSER FAN MOTOR</b>				
Horsepower	1	1	1	1
FLA	5.6	3.5	5.6	3.5
<b>REFRIGERATION SYSTEM</b>				
Liquid Connection Valve Size ("O.D.)	⅝"	⅝"	⅝"	⅝"
Suction Connection Valve Size ("O.D.)	1⅜"	1⅜"	1⅜"	1⅜"
Valve Type	Sweat	Sweat	Sweat	Sweat
Refrigerant Charge (oz.)	35	35	35	35
<b>ELECTRICAL DATA</b>				
AC Volts	208/230	460	208/230	460
Hz / Phase	60 Hz/3	60 Hz/3	60 Hz/3	60 Hz/3
Minimum Circuit Ampacity <sup>2</sup>	36.9	18.8	43.2	24.4
Max. Overcurrent Protection <sup>3</sup>	60	30	70	40
Min / Max Volts	197/253	414/506	197/253	414/506
Electrical Conduit Size	½" or ¾"	½" or ¾"	½" or ¾"	½" or ¾"
<b>SHIP WEIGHT (LBS)</b>	334	334	383	383

<sup>1</sup> Tested and rated in accordance with ARI Standard 208/230

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

<sup>3</sup> 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 ⅝" to 1⅜" adapters for suction line connections.
- Unit is charged with refrigerant for 15' of ⅝" liquid line. System charge must be adjusted per Installation Instructions Final Charge Procedure.

### TWO-SPEED AIR HANDLER NOTES

- For 7½-ton two-speed air handler: unit is circuited with two 4-ton heat pump systems.
- For 10-ton two-speed air handler: unit is circuited with two 5-ton heat pump systems.
- For technical details regarding the DZ13SA and DAT series product specifications, go to: <http://daikincomfort.com/commercial/split-systems>

EXPANDED COOLING DATA — DZ11SA0903A\* / DAR0904A\*

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		
70	2800	MBh	76.4	79.2	86.8	-	74.6	77.3	84.7	-	72.8	75.5	82.7	-	71.1	73.7	80.7	-	67.5	70.0	76.7	-	62.5	64.8	71.0	-	
		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	-	0.79	0.66	0.45	-	
		ΔT	17	15	11	-	17	15	11	-	17	15	11	-	18	15	12	-	17	15	11	-	16	14	11	-	
	3192	kW	6.14	6.26	6.44	-	6.57	6.70	6.90	-	6.95	7.09	7.31	-	7.29	7.44	7.66	-	7.57	7.73	7.97	-	7.82	7.98	8.23	-	
		Amps	27.8	28.2	28.7	-	29.1	29.5	30.0	-	30.5	31.0	31.6	-	31.8	32.2	32.9	-	33.0	33.5	34.2	-	34.2	34.8	35.5	-	
		HI PR	212	228	241	-	238	256	270	-	270	291	307	-	308	331	350	-	346	373	393	-	383	412	435	-	
	3600	LO PR	101	108	118	-	107	114	125	-	111	119	129	-	117	125	136	-	123	130	142	-	127	135	147	-	
		MBh	82.8	85.8	94.0	-	80.8	83.8	91.8	-	78.9	81.8	89.6	-	77.0	79.8	87.4	-	73.1	75.8	83.1	-	67.8	70.2	76.9	-	
		S/T	0.71	0.59	0.41	-	0.74	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	-	
	75	2800	ΔT	17	15	11	-	17	15	11	-	17	15	11	-	17	15	11	-	17	15	11	-	16	14	10	-
			kW	6.28	6.40	6.58	-	6.72	6.86	7.06	-	7.11	7.26	7.48	-	7.46	7.61	7.85	-	7.76	7.92	8.16	-	8.01	8.18	8.44	-
			Amps	28.3	28.6	29.2	-	29.5	30.0	30.5	-	31.0	31.5	32.1	-	32.3	32.8	33.5	-	33.6	34.1	34.9	-	34.9	35.4	36.2	-
3192		HI PR	218	235	248	-	245	264	278	-	279	300	317	-	317	341	361	-	357	384	406	-	394	424	448	-	
		LO PR	105	111	122	-	111	118	128	-	115	122	133	-	121	128	140	-	126	135	147	-	131	139	152	-	
		MBh	85.3	88.4	96.8	-	83.3	86.3	94.6	-	81.3	84.3	92.3	-	79.3	82.2	90.1	-	75.3	78.1	85.6	-	69.8	72.3	79.3	-	
3600		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	16	14	11	-	16	14	11	-	16	14	11	-	17	14	11	-	16	14	11	-	15	13	10	-	
		kW	6.32	6.45	6.63	-	6.77	6.91	7.11	-	7.17	7.31	7.54	-	7.52	7.67	7.91	-	7.82	7.98	8.23	-	8.07	8.24	8.50	-	
75		2800	Amps	28.4	28.8	29.3	-	29.7	30.1	30.7	-	31.2	31.7	32.3	-	32.5	33.0	33.7	-	33.8	34.3	35.1	-	35.1	35.6	36.4	-
			HI PR	214	230	243	254	240	258	273	284	273	294	310	324	311	335	353	368	350	376	397	415	386	416	439	458
			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
	3192	MBh	84.2	86.7	93.8	100.7	82.2	84.6	91.6	98.3	80.3	82.6	89.4	96.0	78.3	80.6	87.3	93.7	74.4	76.6	82.9	89.0	68.9	70.9	76.8	82.4	
		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	0.89	0.79	0.60	0.39	0.92	0.82	0.62	0.40	0.93	0.83	0.63	0.40	
		ΔT	20	18	15	10	20	18	15	10	20	18	15	10	20	18	15	10	20	18	15	10	18	17	14	10	
	3600	kW	6.32	6.45	6.63	6.83	6.77	6.91	7.11	7.33	7.17	7.32	7.54	7.77	7.52	7.68	7.91	8.16	7.82	7.98	8.23	8.49	8.07	8.24	8.50	8.78	
		Amps	28.4	28.8	29.3	30.0	29.7	30.1	30.7	31.4	31.2	31.7	32.3	33.1	32.5	33.0	33.7	34.5	33.8	34.3	35.1	35.9	35.1	35.7	36.4	37.4	
		HI PR	221	237	251	261	247	266	281	293	281	303	320	334	321	345	364	380	361	388	410	427	398	429	453	472	
	3600	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	86.7	89.3	96.6	103.7	84.7	87.2	94.4	101.3	82.7	85.1	92.1	98.9	80.6	83.0	89.9	96.5	76.6	78.9	85.4	91.6	71.0	73.1	79.1	84.9	
		S/T	0.85	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	
3600	ΔT	19	17	14	10	19	17	14	10	19	17	14	10	19	18	14	10	19	17	14	10	18	16	13	9		
	kW	6.37	6.49	6.68	6.88	6.82	6.96	7.17	7.39	7.22	7.37	7.60	7.83	7.58	7.74	7.97	8.23	7.88	8.04	8.30	8.56	8.14	8.31	8.57	8.85		
	Amps	28.5	28.9	29.5	30.1	29.9	30.3	30.9	31.6	31.4	31.8	32.5	33.3	32.7	33.2	33.9	34.7	34.0	34.5	35.3	36.2	35.3	35.9	36.7	37.6		
3600	HI PR	223	240	253	264	250	269	284	296	284	306	323	337	324	348	368	384	364	392	414	432	402	433	457	477		
	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		

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 (comp. + fan)

EXPANDED COOLING DATA — DZ11SA0903A\* / DAR0904A\* (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	2800	MBh	79.1	80.8	86.3	92.3	77.2	78.9	84.3	90.1	75.4	77.0	82.3	88.0	73.6	75.2	80.3	85.8	69.9	71.4	76.3	81.5	64.7	66.1	70.7	75.5	
		S/T	0.85	0.80	0.65	0.49	0.88	0.83	0.68	0.50	0.91	0.85	0.69	0.52	0.94	0.88	0.71	0.53	1.00	0.97	0.91	0.74	0.98	0.92	0.75	0.56	
		ΔT	22	21	18	15	22	21	19	15	22	22	19	15	23	22	19	15	22	22	21	19	15	21	20	17	14
	3192	kW	6.23	6.35	6.53	6.73	6.67	6.80	7.00	7.22	7.06	7.20	7.42	7.65	7.40	7.55	7.79	8.03	7.69	7.85	8.10	8.35	7.95	8.11	8.37	8.63	
		Amps	28.1	28.5	29.0	29.6	29.4	29.8	30.4	31.0	30.9	31.3	31.9	32.7	32.1	32.6	33.3	34.1	33.4	33.4	33.9	34.6	35.5	34.7	35.2	36.0	36.9
		HI PR	216	233	246	256	242	261	275	287	276	297	313	327	314	338	357	372	353	380	401	419	390	420	444	463	
	3600	LO PR	104	110	120	128	109	116	127	135	114	121	132	141	119	127	139	148	125	133	145	155	129	138	150	160	
		MBh	85.7	87.5	93.5	100.0	83.7	85.5	91.4	97.7	81.7	83.5	89.2	95.3	79.7	81.4	87.0	93.0	75.7	77.4	82.7	88.4	70.1	71.7	76.6	81.8	
		S/T	0.88	0.83	0.68	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	0.78	0.58	
	85	2800	ΔT	22	21	18	15	22	21	18	15	22	21	18	15	22	21	19	15	22	21	18	15	20	20	17	14
			kW	6.27	6.40	6.58	6.78	6.72	6.85	7.06	7.27	7.11	7.26	7.48	7.71	7.46	7.61	7.85	8.09	7.75	7.92	8.16	8.42	8.01	8.18	8.43	8.70
			Amps	28.2	28.6	29.2	29.8	29.5	29.9	30.5	31.2	31.0	31.5	32.1	32.9	32.3	32.8	33.5	34.3	33.6	34.1	34.9	35.7	34.9	35.4	36.2	37.1
3192		HI PR	218	235	248	259	245	264	278	290	278	300	316	330	317	341	360	376	357	384	405	423	394	424	448	467	
		LO PR	105	111	121	129	110	118	128	137	115	122	133	142	121	128	140	149	126	134	147	156	131	139	152	162	
		MBh	87.2	88.9	93.1	99.3	85.1	86.8	90.9	97.0	83.1	84.7	88.7	94.7	81.1	82.7	86.6	92.4	77.0	78.5	82.2	87.7	71.4	72.7	76.2	81.3	
3600		S/T	0.93	0.90	0.81	0.66	0.96	0.93	0.84	0.68	0.99	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	23	23	22	19	22	23	22	19	21	21	20	18	
		kW	6.42	6.54	6.73	6.94	6.88	7.01	7.22	7.45	7.28	7.43	7.66	7.90	7.64	7.80	8.04	8.29	7.94	8.11	8.36	8.63	8.20	8.38	8.64	8.92	
3600		Amps	28.7	29.1	29.6	30.3	30.0	30.4	31.0	31.7	31.6	32.0	32.7	33.4	32.9	33.4	34.1	34.9	34.2	34.7	35.5	36.4	35.5	36.1	36.9	37.8	
		HI PR	225	242	256	267	252	272	287	299	287	309	326	340	327	352	372	388	368	396	418	436	406	437	462	482	
		LO PR	108	115	125	133	114	121	132	141	118	126	137	146	126	134	144	154	130	139	151	161	135	143	157	167	
3600	MBh	89.8	91.5	95.8	102.3	87.7	89.4	93.6	99.9	85.6	87.3	91.4	97.5	83.5	85.1	89.2	95.1	79.3	80.9	84.7	90.4	73.5	74.9	78.5	83.7		
	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	22	22	21	18	22	22	21	18	22	22	21	18	21	22	21	18	20	21	21	18	19	19	19	17		
3600	kW	6.46	6.59	6.79	6.99	6.93	7.07	7.28	7.50	7.34	7.49	7.72	7.96	7.70	7.86	8.10	8.36	8.00	8.17	8.43	8.70	8.27	8.44	8.71	8.99		
	Amps	28.8	29.2	29.8	30.4	30.2	30.6	31.2	31.9	31.7	32.2	32.9	33.6	33.1	33.6	34.3	35.1	34.4	35.0	35.7	36.6	35.7	36.3	37.1	38.1		
	HI PR	227	245	258	269	255	274	290	302	290	312	330	344	330	355	375	391	372	400	422	440	411	442	466	487		
3600	LO PR	109	116	126	135	115	122	134	142	120	127	139	148	126	134	146	155	132	140	153	163	136	145	158	168		

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

EXPANDED COOLING DATA — DZ11SA0904A\* / DAR0904A\*

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		
70	2800	MBh	76.4	79.2	86.8	-	74.6	77.3	84.7	-	72.8	75.5	82.7	-	71.1	73.7	80.7	-	67.5	70.0	76.7	-	62.5	64.8	71.0	-	
		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	-	0.79	0.66	0.45	-	
		ΔT	17	15	11	-	17	15	11	-	17	15	11	-	18	15	12	-	17	15	11	-	16	14	11	-	
	3275	kW	6.14	6.26	6.44	-	6.57	6.70	6.90	-	6.95	7.09	7.31	-	7.29	7.44	7.66	-	7.57	7.73	7.97	-	7.82	7.98	8.23	-	
		Amps	55.7	56.0	56.6	-	56.9	57.3	57.9	-	58.4	58.8	59.4	-	59.6	60.1	60.8	-	60.9	61.4	62.1	-	62.1	62.6	63.4	-	
		HI PR	212	228	241	-	238	256	270	-	270	291	307	-	308	331	350	-	346	373	393	-	383	412	435	-	
	3600	LO PR	101	108	118	-	107	114	125	-	111	119	129	-	117	125	136	-	123	130	142	-	127	135	147	-	
		MBh	82.8	85.8	94.0	-	80.8	83.8	91.8	-	78.9	81.8	89.6	-	77.0	79.8	87.4	-	73.1	75.8	83.1	-	67.8	70.2	76.9	-	
		S/T	0.71	0.59	0.41	-	0.74	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	-	
	75	2800	ΔT	16	14	11	-	17	14	11	-	17	14	11	-	17	15	11	-	17	14	11	-	16	13	10	-
			kW	6.28	6.40	6.58	-	6.72	6.86	7.06	-	7.11	7.26	7.48	-	7.46	7.61	7.85	-	7.76	7.92	8.16	-	8.01	8.18	8.44	-
			Amps	56.1	56.5	57.0	-	57.4	57.8	58.4	-	58.9	59.3	60.0	-	60.2	60.7	61.3	-	61.5	62.0	62.7	-	62.7	63.3	64.1	-
3275		HI PR	218	235	248	-	245	264	278	-	279	300	317	-	317	341	361	-	357	384	406	-	394	424	448	-	
		LO PR	105	111	122	-	111	118	128	-	115	122	133	-	121	128	140	-	126	135	147	-	131	139	152	-	
		MBh	83.6	86.6	94.9	-	81.7	84.6	92.7	-	79.7	82.6	90.5	-	77.8	80.6	88.3	-	73.9	76.6	83.9	-	68.4	70.9	77.7	-	
3600		S/T	0.72	0.60	0.42	-	0.75	0.63	0.43	-	0.77	0.64	0.45	-	0.79	0.66	0.46	-	0.82	0.69	0.48	-	0.83	0.69	0.48	-	
		ΔT	15	13	10	-	16	14	10	-	16	14	10	-	16	14	10	-	16	13	10	-	15	13	10	-	
		kW	6.29	6.41	6.60	-	6.74	6.87	7.08	-	7.13	7.28	7.50	-	7.48	7.63	7.87	-	7.77	7.94	8.18	-	8.03	8.20	8.46	-	
75		2800	Amps	56.1	56.5	57.1	-	57.4	57.9	58.4	-	58.9	59.4	60.0	-	60.2	60.7	61.4	-	61.5	62.0	62.8	-	62.8	63.3	64.1	-
			HI PR	219	236	249	-	246	264	279	-	279	301	318	-	318	342	362	-	358	385	407	-	396	426	449	-
			LO PR	105	112	122	-	111	118	129	-	115	123	134	-	121	129	141	-	127	135	147	-	131	140	152	-
	3275	MBh	77.7	80.0	86.6	92.9	75.9	78.1	84.6	90.8	74.1	76.3	82.6	88.6	72.3	74.4	80.5	86.4	68.7	70.7	76.5	82.1	63.6	65.5	70.9	76.1	
		S/T	0.78	0.70	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	0.89	0.79	0.60	0.39	0.89	0.80	0.60	0.39	
		ΔT	20	18	15	10	20	19	15	10	20	19	15	10	20	19	15	11	20	18	15	10	20	17	14	10	
	3600	kW	6.18	6.30	6.49	6.68	6.62	6.75	6.95	7.16	7.00	7.15	7.36	7.59	7.34	7.50	7.73	7.97	7.63	7.79	8.03	8.29	7.88	8.05	8.30	8.56	
		Amps	55.8	56.2	56.7	57.3	57.1	57.5	58.1	58.7	58.5	59.0	59.6	60.3	59.8	60.3	60.9	61.7	61.1	61.6	62.3	63.1	62.3	62.8	63.6	64.5	
		HI PR	214	230	243	254	240	258	273	284	273	294	310	324	311	335	353	368	350	376	397	415	386	416	439	458	
	75	3275	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
			MBh	84.2	86.7	93.8	100.7	82.2	84.6	91.6	98.3	80.3	82.6	89.4	96.0	78.3	80.6	87.3	93.7	74.4	76.6	82.9	89.0	68.9	70.9	76.8	82.4
			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	0.89	0.79	0.60	0.39	0.92	0.82	0.62	0.40	0.93	0.83	0.63	0.40
3600		ΔT	19	18	14	10	19	18	15	10	19	18	15	10	19	18	15	10	19	18	14	10	18	17	14	9	
		kW	6.32	6.45	6.63	6.83	6.77	6.91	7.11	7.33	7.17	7.32	7.54	7.77	7.52	7.68	7.91	8.16	7.82	7.98	8.23	8.49	8.07	8.24	8.50	8.78	
		Amps	56.2	56.6	57.2	57.8	57.5	58.0	58.6	59.2	59.1	59.5	60.2	60.9	60.4	60.8	61.5	62.4	61.7	62.2	62.9	63.8	62.9	63.5	64.3	65.2	
3600		HI PR	221	237	251	261	247	266	281	293	281	303	320	334	321	345	364	380	361	388	410	427	398	429	453	472	
		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	85.0	87.5	94.7	101.7	83.0	85.5	92.5	99.3	81.1	83.5	90.3	97.0	79.1	81.4	88.1	94.6	75.1	77.4	83.7	89.9	69.6	71.7	77.6	83.2	
3600		S/T	0.82	0.74	0.56	0.36	0.85	0.76	0.58	0.37	0.87	0.78	0.59	0.38	0.90	0.81	0.61	0.39	0.94	0.84	0.63	0.41	0.94	0.84	0.64	0.41	
		ΔT	18	16	13	9	18	17	14	9	18	17	14	9	18	17	14	9	18	17	14	9	17	15	13	9	
		kW	6.34	6.46	6.65	6.85	6.79	6.92	7.13	7.35	7.19	7.33	7.56	7.79	7.54	7.69	7.93	8.18	7.84	8.00	8.25	8.51	8.09	8.26	8.52	8.80	
3600	Amps	56.3	56.7	57.2	57.9	57.6	58.0	58.6	59.3	59.1	59.6	60.2	61.0	60.4	60.9	61.6	62.4	61.7	62.2	63.0	63.9	63.0	63.6	64.4	65.3		
	HI PR	221	238	251	262	248	267	282	294	282	304	321	335	321	346	365	381	362	389	411	429	400	430	454	474		
	LO PR	106	113	123	131	112	119	130	139	116	124	135	144	122	130	142	151	128	136	149	158	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 (comp. + fan)

EXPANDED COOLING DATA — DZ11SA0904A\* / DAR0904A\* (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	2800	MBh	79.1	80.8	86.3	92.3	77.2	78.9	84.3	90.1	75.4	77.0	82.3	88.0	73.6	75.2	80.3	85.8	69.9	71.4	76.3	81.5	64.7	66.1	70.7	75.5	
		S/T	0.85	0.80	0.65	0.49	0.88	0.83	0.68	0.50	0.91	0.85	0.69	0.52	0.94	0.88	0.71	0.53	0.97	0.91	0.74	0.55	0.98	0.92	0.75	0.56	
		ΔT	22	21	18	15	22	21	19	15	22	22	19	15	23	22	19	15	22	21	19	15	21	20	17	14	
	3275	kW	6.23	6.35	6.53	6.73	6.67	6.80	7.00	7.22	7.06	7.20	7.42	7.65	7.40	7.55	7.79	8.03	7.69	7.85	8.10	8.35	7.95	8.11	8.37	8.63	
		Amps	56.0	56.3	56.9	57.5	57.2	57.6	58.2	58.9	58.7	59.2	59.8	60.5	60.0	60.5	61.1	61.9	61.3	61.8	62.5	63.3	62.5	63.1	63.8	64.7	
		HI PR	216	233	246	256	242	261	275	287	276	297	313	327	314	338	357	372	353	380	401	419	390	420	444	463	
	3600	LO PR	104	110	120	128	109	116	127	135	114	121	132	141	119	127	139	148	125	133	145	155	129	138	150	160	
		MBh	85.7	87.5	93.5	100.0	83.7	85.5	91.4	97.7	81.7	83.5	89.2	95.3	79.7	81.4	87.0	93.0	75.7	77.4	82.7	88.4	70.1	71.7	76.6	81.8	
		S/T	0.88	0.83	0.68	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	0.78	0.58	
	85	2800	ΔT	21	20	18	14	22	21	18	14	22	21	18	14	22	21	18	14	21	21	18	14	20	19	17	13
			kW	6.37	6.49	6.68	6.88	6.82	6.96	7.17	7.39	7.22	7.37	7.60	7.83	7.58	7.74	7.98	8.23	7.88	8.04	8.30	8.56	8.14	8.31	8.57	8.85
			Amps	56.4	56.8	57.3	58.0	57.7	58.1	58.7	59.4	59.2	59.7	60.3	61.1	60.5	61.0	61.7	62.6	61.9	62.4	63.1	64.0	63.2	63.7	64.5	65.4
3275		HI PR	223	240	253	264	250	269	284	296	284	306	323	337	324	348	368	384	364	392	414	432	402	433	457	477	
		LO 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	86.5	88.4	94.5	101.0	84.5	86.4	92.3	98.6	82.5	84.3	90.1	96.3	80.5	82.2	87.9	93.9	76.5	78.1	83.5	89.2	70.8	72.4	77.3	82.7	
3600		S/T	0.90	0.85	0.69	0.51	0.94	0.88	0.71	0.53	0.96	0.90	0.73	0.55	0.99	0.93	0.76	0.56	1.00	0.96	0.78	0.59	1.00	0.97	0.79	0.59	
		ΔT	20	19	17	13	20	19	17	13	20	19	17	13	20	20	17	14	20	19	17	13	18	18	16	12	
		kW	6.38	6.51	6.70	6.90	6.84	6.98	7.19	7.41	7.24	7.39	7.62	7.85	7.60	7.75	7.99	8.25	7.90	8.06	8.32	8.58	8.16	8.33	8.59	8.87	
85		2800	Amps	56.4	56.8	57.4	58.0	57.8	58.2	58.8	59.5	59.3	59.7	60.4	61.2	60.6	61.1	61.8	62.6	61.9	62.5	63.2	64.1	63.2	63.8	64.6	65.5
			HI PR	223	240	254	265	251	270	285	297	285	307	324	338	325	349	369	385	365	393	415	433	404	434	459	478
			LO PR	105	111	121	129	110	118	128	137	115	122	133	142	121	128	140	149	126	134	147	156	131	139	152	162
	3275	MBh	87.2	88.9	93.1	99.3	85.1	86.8	90.9	97.0	83.1	84.7	88.7	94.7	81.1	82.7	86.6	92.4	77.0	78.5	82.2	87.7	71.4	72.7	76.2	81.3	
		S/T	0.93	0.90	0.81	0.66	0.96	0.93	0.84	0.68	0.99	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	22	21	18	23	23	21	18	23	23	21	19	23	23	22	19	22	22	21	18	20	20	20	17	
	3600	kW	6.42	6.54	6.73	6.94	6.88	7.01	7.22	7.45	7.28	7.43	7.66	7.90	7.64	7.80	8.04	8.29	7.94	8.11	8.36	8.63	8.20	8.38	8.64	8.92	
		Amps	56.5	56.9	57.5	58.1	57.9	58.3	58.9	59.6	59.4	59.9	60.5	61.3	60.7	61.2	61.9	62.8	62.1	62.6	63.4	64.2	63.4	63.9	64.7	65.7	
		HI PR	225	242	256	267	252	272	287	299	287	309	326	340	327	352	372	388	368	396	418	436	406	437	462	482	
	3600	LO 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	88.0	89.7	94.0	100.3	86.0	87.7	91.8	97.9	83.9	85.6	89.6	95.6	81.9	83.5	87.4	93.3	77.8	79.3	83.1	88.6	72.1	73.5	76.9	82.1	
		S/T	0.95	0.91	0.82	0.67	0.98	0.95	0.85	0.69	1.00	0.97	0.88	0.71	1.00	1.00	0.90	0.73	1.00	1.00	0.94	0.76	1.00	1.00	0.95	0.77	
3600	ΔT	21	21	20	17	22	21	20	17	21	21	20	17	21	21	20	17	20	20	20	17	20	19	19	16		
	kW	6.43	6.56	6.75	6.95	6.89	7.03	7.24	7.46	7.30	7.45	7.67	7.91	7.66	7.81	8.06	8.31	7.96	8.13	8.38	8.65	8.22	8.40	8.66	8.94		
	Amps	56.6	57.0	57.5	58.2	57.9	58.3	58.9	59.6	59.5	59.9	60.6	61.4	60.8	61.3	62.0	62.8	62.1	62.7	63.4	64.3	63.4	64.0	64.8	65.8		
3600	HI PR	226	243	256	267	253	272	288	300	288	310	327	341	328	353	373	389	369	397	419	437	408	439	463	483		
	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		

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

EXPANDED COOLING DATA — DZ11SA1203A\* / DAR1204A\*

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	
70	3325	MBh	96.6	100.1	109.7	-	94.3	97.8	107.1	-	92.1	95.5	104.6	-	89.9	93.1	102.0	-	85.4	88.5	96.9	-	79.1	82.0	89.8	-
		S/T	0.67	0.56	0.39	-	0.70	0.58	0.40	-	0.71	0.60	0.41	-	0.74	0.61	0.43	-	0.76	0.64	0.44	-	0.77	0.64	0.45	-
		ΔT	18	16	12	-	18	16	12	-	18	16	12	-	18	16	12	-	18	16	12	-	17	15	11	-
	3325	kW	8.06	8.21	8.45	-	8.62	8.79	9.05	-	9.12	9.30	9.58	-	9.56	9.75	10.05	-	9.93	10.13	10.44	-	10.25	10.46	10.79	-
		Amps	39.5	40.0	40.6	-	41.1	41.6	42.4	-	43.0	43.6	44.4	-	44.6	45.3	46.1	-	46.3	46.9	47.9	-	47.9	48.6	49.6	-
		HI PR	215	232	245	-	242	260	275	-	275	296	312	-	313	337	356	-	352	379	400	-	389	419	442	-
	3325	LO PR	101	108	117	-	107	114	124	-	111	118	129	-	117	124	135	-	122	130	142	-	126	134	147	-
		MBh	104.7	108.5	118.8	-	102.2	105.9	116.1	-	99.8	103.4	113.3	-	97.4	100.9	110.6	-	92.5	95.9	105.0	-	85.7	88.8	97.3	-
		S/T	0.70	0.58	0.40	-	0.72	0.60	0.42	-	0.74	0.62	0.43	-	0.76	0.64	0.44	-	0.79	0.66	0.46	-	0.80	0.67	0.46	-
	3797	ΔT	18	15	12	-	18	15	12	-	18	15	12	-	18	16	12	-	18	15	12	-	17	14	11	-
		kW	8.24	8.40	8.64	-	8.82	8.99	9.26	-	9.33	9.52	9.80	-	9.78	9.98	10.29	-	10.16	10.38	10.70	-	10.50	10.72	11.05	-
		Amps	40.0	40.5	41.2	-	41.7	42.3	43.0	-	43.7	44.3	45.1	-	45.4	46.0	46.9	-	47.0	47.7	48.7	-	48.7	49.4	50.4	-
4275	HI PR	222	239	252	-	249	268	283	-	283	305	322	-	323	347	367	-	363	391	413	-	401	432	456	-	
	LO PR	104	111	121	-	110	117	128	-	114	122	133	-	120	128	140	-	126	134	146	-	130	139	151	-	
	MBh	107.8	111.7	122.4	-	105.3	109.1	119.6	-	102.8	106.5	116.7	-	100.3	103.9	113.9	-	95.3	98.7	108.2	-	88.2	91.5	100.2	-	
4275	S/T	0.73	0.61	0.42	-	0.76	0.63	0.44	-	0.77	0.65	0.45	-	0.80	0.67	0.46	-	0.83	0.69	0.48	-	0.84	0.70	0.48	-	
	ΔT	17	15	11	-	17	15	11	-	17	15	11	-	17	15	11	-	17	15	11	-	16	14	10	-	
	kW	8.30	8.46	8.70	-	8.88	9.06	9.33	-	9.40	9.59	9.88	-	9.86	10.06	10.37	-	10.24	10.46	10.78	-	10.58	10.80	11.14	-	
4275	Amps	40.2	40.7	41.4	-	41.9	42.5	43.2	-	43.9	44.5	45.3	-	45.6	46.2	47.1	-	47.3	48.0	49.0	-	49.0	49.7	50.7	-	
	HI PR	224	241	255	-	252	271	286	-	286	308	325	-	326	351	370	-	367	395	417	-	405	436	461	-	
	LO PR	105	112	122	-	111	118	129	-	116	123	134	-	121	129	141	-	127	135	148	-	132	140	153	-	
75	3325	MBh	98.2	101.1	109.5	117.5	95.9	98.8	106.9	114.8	93.7	96.4	104.4	112.0	91.4	94.1	101.8	109.3	86.8	89.4	96.7	103.8	80.4	82.8	89.6	96.2
		S/T	0.76	0.68	0.52	0.33	0.79	0.71	0.53	0.34	0.81	0.72	0.55	0.35	0.84	0.75	0.57	0.37	0.87	0.78	0.59	0.38	0.88	0.78	0.59	0.38
		ΔT	21	19	16	11	21	19	16	11	21	19	16	11	21	19	16	11	21	19	16	11	19	18	15	10
	3325	kW	8.12	8.27	8.51	8.76	8.69	8.86	9.12	9.39	9.19	9.37	9.65	9.95	9.63	9.83	10.13	10.44	10.01	10.21	10.53	10.86	10.33	10.55	10.87	11.22
		Amps	39.7	40.1	40.8	41.6	41.3	41.8	42.6	43.5	43.2	43.8	44.6	45.6	44.9	45.5	46.4	47.4	46.5	47.2	48.1	49.2	48.1	48.9	49.9	51.0
		HI PR	218	234	247	258	244	263	277	289	278	299	316	329	316	340	359	375	356	383	404	422	393	423	447	466
	3325	LO PR	102	109	119	126	108	115	125	133	112	119	130	139	118	125	137	146	123	131	143	153	128	136	148	158
		MBh	106.4	109.6	118.6	127.3	104.0	107.0	115.8	124.3	101.5	104.5	113.1	121.4	99.0	101.9	110.3	118.4	94.1	96.8	104.8	112.5	87.1	89.7	97.1	104.2
		S/T	0.79	0.71	0.54	0.34	0.82	0.73	0.55	0.36	0.84	0.75	0.57	0.37	0.87	0.78	0.59	0.38	0.90	0.81	0.61	0.39	0.91	0.81	0.61	0.40
	3797	ΔT	20	19	15	11	21	19	16	11	21	19	16	11	21	19	16	11	20	19	15	11	19	18	14	10
		kW	8.30	8.46	8.71	8.96	8.88	9.06	9.33	9.61	9.40	9.59	9.88	10.19	9.86	10.06	10.37	10.69	10.25	10.46	10.78	11.12	10.58	10.80	11.14	11.50
		Amps	40.2	40.7	41.4	42.3	41.9	42.5	43.2	44.1	43.9	44.5	45.3	46.3	45.6	46.2	47.1	48.2	47.3	48.0	49.0	50.1	49.0	49.7	50.7	51.9
4275	HI PR	224	241	255	266	252	271	286	298	286	308	325	339	326	351	371	386	367	395	417	435	405	436	461	480	
	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	
	MBh	109.6	112.9	122.2	131.1	107.1	110.2	119.3	128.1	104.5	107.6	116.5	125.0	102.0	105.0	113.6	122.0	96.9	99.7	108.0	115.9	89.7	92.4	100.0	107.3	
4275	S/T	0.83	0.74	0.56	0.36	0.86	0.77	0.58	0.37	0.88	0.79	0.60	0.38	0.91	0.81	0.62	0.40	0.94	0.84	0.64	0.41	0.95	0.85	0.64	0.41	
	ΔT	20	18	15	10	20	18	15	10	20	18	15	10	20	18	15	10	20	18	15	10	18	17	14	10	
	kW	8.36	8.52	8.77	9.03	8.95	9.13	9.40	9.69	9.47	9.67	9.96	10.27	9.93	10.14	10.45	10.78	10.33	10.54	10.87	11.21	10.66	10.89	11.23	11.59	
4275	Amps	40.4	40.9	41.6	42.5	42.1	42.7	43.5	44.4	44.1	44.7	45.6	46.6	45.8	46.5	47.4	48.5	47.6	48.3	49.2	50.4	49.3	50.0	51.0	52.3	
	HI PR	227	244	257	269	254	274	289	301	289	311	329	343	329	354	374	390	371	399	421	439	409	441	465	485	
	LO PR	106	113	123	131	112	119	130	139	117	124	136	144	123	130	142	152	128	137	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 (comp. + fan)



EXPANDED COOLING DATA — DZ11SA1203A\* / DAR1204A\* (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	100.0	102.2	109.1	116.7	97.7	99.8	106.6	114.0	95.3	97.4	104.1	111.2	93.0	95.0	101.5	108.5	88.4	90.3	96.5	103.1	84.8	86.6	92.8	99.5
	S/T	0.84	0.78	0.64	0.48	0.87	0.81	0.66	0.49	0.89	0.83	0.68	0.51	0.92	0.86	0.70	0.52	0.95	0.89	0.73	0.54	0.96	0.90	0.73	0.55
	ΔT	23	22	19	15	23	22	19	16	23	22	20	16	24	23	20	16	23	22	19	15	22	21	18	14
	kW	8.18	8.33	8.57	8.83	8.75	8.92	9.19	9.46	9.26	9.44	9.73	10.03	9.70	9.90	10.21	10.52	10.08	10.29	10.61	10.94	10.41	10.63	10.96	11.31
	Amps	39.8	40.3	41.0	41.8	41.5	42.0	42.8	43.7	43.4	44.0	44.9	45.8	45.1	45.7	46.6	47.7	46.8	47.5	48.4	49.5	48.4	49.1	50.1	51.3
	HI PR	220	237	250	261	247	265	280	292	281	302	319	332	320	344	363	379	359	387	408	426	397	427	451	471
	LO PR	103	110	120	128	109	116	127	135	113	120	131	140	119	127	138	147	125	133	145	154	129	137	150	159
	MBh	108.3	110.7	118.3	126.4	105.8	108.1	115.5	123.5	103.3	105.5	112.8	120.5	100.8	103.0	110.0	117.6	95.7	97.8	104.5	111.7	88.7	90.6	96.8	103.5
	S/T	0.87	0.81	0.66	0.49	0.90	0.84	0.69	0.51	0.92	0.86	0.70	0.53	0.95	0.89	0.73	0.54	0.99	0.93	0.75	0.56	1.00	0.93	0.76	0.57
	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	8.36	8.52	8.77	9.03	8.95	9.13	9.40	9.69	9.47	9.67	9.96	10.27	9.93	10.14	10.45	10.78	10.33	10.54	10.87	11.21	10.66	10.89	11.23	11.59	
Amps	40.4	40.9	41.6	42.5	42.1	42.7	43.5	44.4	44.1	44.7	45.6	46.6	45.8	46.5	47.4	48.5	47.6	48.3	49.2	50.4	49.3	50.0	51.0	52.3	
HI PR	227	244	258	269	254	274	289	301	289	311	329	343	329	354	374	390	371	399	421	439	409	441	465	485	
LO PR	106	113	123	131	112	119	130	139	117	124	136	144	123	130	142	152	128	137	149	159	133	141	154	164	
MBh	111.6	114.0	121.8	130.2	109.0	111.4	119.0	127.2	106.4	108.7	116.1	124.1	103.8	106.0	113.3	121.1	98.6	100.7	107.6	115.1	91.3	93.3	99.7	106.6	
S/T	0.91	0.85	0.69	0.52	0.94	0.88	0.72	0.54	0.97	0.91	0.74	0.55	1.00	0.94	0.76	0.57	1.00	0.97	0.79	0.59	1.00	1.00	0.80	0.60	
ΔT	22	21	18	15	22	21	18	15	22	21	18	15	22	21	19	15	21	21	18	15	20	20	17	14	
kW	8.42	8.59	8.84	9.10	9.02	9.20	9.47	9.76	9.55	9.74	10.04	10.35	10.01	10.22	10.53	10.86	10.41	10.62	10.96	11.30	10.75	10.98	11.32	11.68	
Amps	40.6	41.1	41.8	42.7	42.3	42.9	43.7	44.6	44.4	45.0	45.8	46.8	46.1	46.7	47.7	48.8	47.8	48.5	49.5	50.7	49.5	50.3	51.3	52.6	
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	107	114	125	133	113	121	132	140	118	125	137	146	124	132	144	153	130	138	151	161	134	143	156	166	
85	MBh	101.7	103.7	108.6	115.9	99.4	101.3	106.1	113.2	97.0	98.9	103.5	110.5	94.6	96.5	101.0	107.8	89.9	91.6	96.0	102.4	83.3	84.9	88.9	94.8
	S/T	0.88	0.85	0.76	0.62	0.91	0.88	0.79	0.64	0.93	0.90	0.81	0.66	0.96	0.93	0.84	0.68	1.00	0.96	0.87	0.70	1.00	0.97	0.88	0.71
	ΔT	25	24	23	20	25	25	23	20	25	25	23	20	25	25	23	20	25	24	23	20	23	23	22	19
	kW	8.24	8.40	8.64	8.89	8.82	8.99	9.26	9.54	9.33	9.52	9.80	10.10	9.78	9.98	10.28	10.61	10.16	10.37	10.69	11.03	10.49	10.71	11.05	11.40
	Amps	40.0	40.5	41.2	42.0	41.7	42.3	43.0	43.9	43.7	44.3	45.1	46.1	45.3	46.0	46.9	47.9	47.0	47.7	48.7	49.8	48.7	49.4	50.4	51.6
	HI PR	222	239	252	263	249	268	283	295	283	305	322	336	323	347	367	382	363	391	413	430	401	432	456	475
	LO PR	104	111	121	129	110	117	128	136	114	122	133	141	120	128	140	149	126	134	146	156	130	139	151	161
	MBh	110.2	112.3	117.7	125.5	107.6	109.7	114.9	122.6	105.1	107.1	112.2	119.7	102.5	104.5	109.5	116.8	97.4	99.3	104.0	110.9	90.2	92.0	96.3	102.8
	S/T	0.91	0.88	0.79	0.64	0.94	0.91	0.82	0.67	0.97	0.93	0.84	0.68	1.00	0.96	0.87	0.70	1.00	1.00	0.90	0.73	1.00	1.00	0.91	0.74
	ΔT	24	24	23	20	25	24	23	20	25	24	23	20	25	24	23	20	24	24	23	20	22	22	21	18
kW	8.42	8.59	8.84	9.10	9.02	9.20	9.47	9.76	9.55	9.74	10.04	10.35	10.01	10.22	10.53	10.86	10.41	10.62	10.96	11.30	10.75	10.98	11.32	11.68	
Amps	40.6	41.1	41.8	42.7	42.3	42.9	43.7	44.6	44.4	45.0	45.8	46.8	46.1	46.7	47.7	48.8	47.8	48.5	49.5	50.7	49.5	50.3	51.3	52.6	
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	107	114	125	133	113	121	132	140	118	125	137	146	124	132	144	153	130	138	151	161	134	143	156	166	
MBh	113.5	115.7	121.2	129.3	110.9	113.0	118.4	126.3	108.2	110.3	115.6	123.3	105.6	107.6	112.7	120.3	100.3	102.3	107.1	114.3	92.9	94.7	99.2	105.8	
S/T	0.95	0.92	0.83	0.67	0.99	0.95	0.86	0.70	1.00	0.98	0.88	0.72	1.00	1.00	0.91	0.74	1.00	1.00	0.94	0.77	1.00	1.00	0.95	0.77	
ΔT	23	23	22	19	24	23	22	19	23	23	22	19	23	23	22	19	22	22	22	19	20	20	20	18	
kW	8.48	8.65	8.90	9.17	9.09	9.27	9.55	9.84	9.62	9.82	10.11	10.43	10.09	10.30	10.62	10.95	10.49	10.71	11.04	11.39	10.83	11.06	11.41	11.78	
Amps	40.8	41.3	42.0	42.9	42.6	43.1	43.9	44.8	44.6	45.2	46.1	47.1	46.3	47.0	47.9	49.0	48.1	48.8	49.8	51.0	49.8	50.6	51.6	52.9	
HI PR	231	249	263	274	259	279	295	307	295	317	335	350	336	362	382	398	378	407	430	448	418	449	475	495	
LO PR	108	115	126	134	115	122	133	142	119	127	138	147	125	133	145	155	131	139	152	162	136	144	157	168	

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

EXPANDED COOLING DATA — DZ11SA1204A\* / DAR1204A\*

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		
70	3325	MBh	96.6	100.1	109.7	-	94.3	97.8	107.1	-	92.1	95.5	104.6	-	89.9	93.1	102.0	-	85.4	88.5	96.9	-	79.1	82.0	89.8	-	
		S/T	0.67	0.56	0.39	-	0.70	0.58	0.40	-	0.71	0.60	0.41	-	0.74	0.61	0.43	-	0.76	0.64	0.44	-	0.77	0.64	0.45	-	
		ΔT	18	16	12	-	18	16	12	-	18	16	12	-	18	16	12	-	18	16	12	-	17	15	11	-	
	3797	kW	8.06	8.21	8.45	-	8.62	8.79	9.05	-	9.12	9.30	9.58	-	9.56	9.75	10.05	-	9.93	10.13	10.44	-	10.25	10.46	10.79	-	
		Amps	60.8	61.2	61.9	-	62.4	62.9	63.7	-	64.3	64.9	65.7	-	65.9	66.5	67.4	-	67.6	68.2	69.1	-	69.2	69.9	70.9	-	
		HI PR	215	232	245	-	242	260	275	-	275	296	312	-	313	337	356	-	352	379	400	-	389	419	442	-	
	4275	LO PR	101	108	117	-	107	114	124	-	111	118	129	-	117	124	135	-	122	130	142	-	126	134	147	-	
		MBh	104.7	108.5	118.8	-	102.2	105.9	116.1	-	99.8	103.4	113.3	-	97.4	100.9	110.6	-	92.5	95.9	105.0	-	85.7	88.8	97.3	-	
		S/T	0.70	0.58	0.40	-	0.72	0.60	0.42	-	0.74	0.62	0.43	-	0.76	0.64	0.44	-	0.79	0.66	0.46	-	0.80	0.67	0.46	-	
	75	3325	ΔT	18	15	12	-	18	15	12	-	18	15	12	-	18	16	12	-	18	15	12	-	17	14	11	-
			kW	8.24	8.40	8.64	-	8.82	8.99	9.26	-	9.33	9.52	9.80	-	9.78	9.98	10.29	-	10.16	10.38	10.70	-	10.50	10.72	11.05	-
			Amps	61.3	61.8	62.5	-	63.0	63.6	64.3	-	65.0	65.6	66.4	-	66.6	67.3	68.2	-	68.3	69.0	70.0	-	70.0	70.7	71.7	-
3797		HI PR	222	239	252	-	249	268	283	-	283	305	322	-	323	347	367	-	363	391	413	-	401	432	456	-	
		LO PR	104	111	121	-	110	117	128	-	114	122	133	-	120	128	140	-	126	134	146	-	130	139	151	-	
		MBh	107.8	111.7	122.4	-	105.3	109.1	119.6	-	102.8	106.5	116.7	-	100.3	103.9	113.9	-	95.3	98.7	108.2	-	88.2	91.5	100.2	-	
4275		S/T	0.73	0.61	0.42	-	0.76	0.63	0.44	-	0.77	0.65	0.45	-	0.80	0.67	0.46	-	0.83	0.69	0.48	-	0.84	0.70	0.48	-	
		ΔT	17	15	11	-	17	15	11	-	17	15	11	-	17	15	11	-	17	15	11	-	16	14	10	-	
		kW	8.30	8.46	8.70	-	8.88	9.06	9.33	-	9.40	9.59	9.88	-	9.86	10.06	10.37	-	10.24	10.46	10.78	-	10.58	10.80	11.14	-	
75		3325	Amps	61.5	62.0	62.7	-	63.2	63.8	64.5	-	65.2	65.8	66.6	-	66.9	67.5	68.4	-	68.6	69.3	70.2	-	70.3	71.0	72.0	-
			HI PR	218	234	247	258	244	263	277	289	278	299	316	329	316	340	359	375	356	383	404	422	393	423	447	466
			LO PR	102	109	119	126	108	115	125	133	112	119	130	139	118	125	137	146	123	131	143	153	128	136	148	158
	3797	MBh	106.4	109.6	118.6	127.3	104.0	107.0	115.8	124.3	101.5	104.5	113.1	121.4	99.0	101.9	110.3	118.4	94.1	96.8	104.8	112.5	87.1	89.7	97.1	104.2	
		S/T	0.79	0.71	0.54	0.34	0.82	0.73	0.55	0.36	0.84	0.75	0.57	0.37	0.87	0.78	0.59	0.38	0.90	0.81	0.61	0.39	0.91	0.81	0.61	0.40	
		ΔT	20	19	15	11	21	19	16	11	21	19	16	11	21	19	16	11	20	19	15	11	19	18	14	10	
	4275	kW	8.30	8.46	8.71	8.96	8.88	9.06	9.33	9.61	9.40	9.59	9.88	10.19	9.86	10.06	10.37	10.69	10.25	10.46	10.78	11.12	10.58	10.80	11.14	11.50	
		Amps	61.5	62.0	62.7	63.6	63.2	63.8	64.5	65.4	65.2	65.8	66.6	67.6	66.9	67.5	68.4	69.5	68.6	69.3	70.2	71.4	70.3	71.0	72.0	73.2	
		HI PR	224	241	255	266	252	271	286	298	286	308	325	339	326	351	371	386	367	395	417	435	405	436	461	480	
	4275	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	
		MBh	109.6	112.9	122.2	131.1	107.1	110.2	119.3	128.1	104.5	107.6	116.5	125.0	102.0	105.0	113.6	122.0	96.9	99.7	108.0	115.9	89.7	92.4	100.0	107.3	
		S/T	0.83	0.74	0.56	0.36	0.86	0.77	0.58	0.37	0.88	0.79	0.60	0.38	0.91	0.81	0.62	0.40	0.94	0.84	0.64	0.41	0.95	0.85	0.64	0.41	
4275	ΔT	20	18	15	10	20	18	15	10	20	18	15	10	20	18	15	10	20	18	15	10	18	17	14	10		
	kW	8.36	8.52	8.77	9.03	8.95	9.13	9.40	9.69	9.47	9.67	9.96	10.27	9.93	10.14	10.45	10.78	10.33	10.54	10.87	11.21	10.66	10.89	11.23	11.59		
	Amps	61.7	62.2	62.9	63.8	63.4	64.0	64.8	65.7	65.4	66.0	66.9	67.9	67.1	67.8	68.7	69.8	68.8	69.5	70.5	71.7	70.5	71.3	72.3	73.5		
4275	HI PR	227	244	257	269	254	274	289	301	289	311	329	343	329	354	374	390	371	399	421	439	409	441	465	485		
	LO PR	106	113	123	131	112	119	130	139	117	124	136	144	123	130	142	152	128	137	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 (comp. + fan)

EXPANDED COOLING DATA — DZ11SA1204A\* / DAR1204A\* (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
<b>80</b>	MBh	100.0	102.2	109.1	116.7	97.7	99.8	106.6	114.0	95.3	97.4	104.1	111.2	93.0	95.0	101.5	108.5	88.4	90.3	96.5	103.1	84.4	86.3	92.5	99.1
	S/T	0.84	0.78	0.64	0.48	0.87	0.81	0.66	0.49	0.89	0.83	0.68	0.51	0.92	0.86	0.70	0.52	0.95	0.89	0.73	0.54	0.96	0.90	0.73	0.55
	ΔT	23	22	19	15	23	22	19	16	23	22	20	16	24	23	20	16	23	22	19	15	22	21	18	14
	kW	8.18	8.33	8.57	8.83	8.75	8.92	9.19	9.46	9.26	9.44	9.73	10.03	9.70	9.90	10.21	10.52	10.08	10.29	10.61	10.94	10.41	10.63	10.96	11.31
	Amps	61.1	61.6	62.3	63.1	62.8	63.3	64.1	65.0	64.7	65.3	66.1	67.1	66.4	67.0	67.9	69.0	68.1	68.7	69.7	70.8	69.7	70.4	71.4	72.6
	HI PR	220	237	250	261	247	265	280	292	281	302	319	332	320	344	363	379	359	387	408	426	397	427	451	471
	LO PR	103	110	120	128	109	116	127	135	113	120	131	140	119	127	138	147	125	133	145	154	129	137	150	159
	MBh	108.3	110.7	118.3	126.4	105.8	108.1	115.5	123.5	103.3	105.5	112.8	120.5	100.8	103.0	110.0	117.6	95.7	97.8	104.5	111.7	88.7	90.6	96.8	103.5
	S/T	0.87	0.81	0.66	0.49	0.90	0.84	0.69	0.51	0.92	0.86	0.70	0.53	0.95	0.89	0.73	0.54	0.99	0.93	0.75	0.56	1.00	0.93	0.76	0.57
	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	8.36	8.52	8.77	9.03	8.95	9.13	9.40	9.69	9.47	9.67	9.96	10.27	9.93	10.14	10.45	10.78	10.33	10.54	10.87	11.21	10.66	10.89	11.23	11.59
	Amps	61.7	62.2	62.9	63.8	63.4	64.0	64.8	65.7	65.4	66.0	66.9	67.9	67.1	67.8	68.7	69.8	68.9	69.5	70.5	71.7	70.5	71.3	72.3	73.5
HI PR	227	244	258	269	254	274	289	301	289	311	329	343	329	354	374	390	371	399	421	439	409	441	465	485	
LO PR	106	113	123	131	112	119	130	139	117	124	136	144	123	130	142	152	128	137	149	159	133	141	154	164	
MBh	111.6	114.0	121.8	130.2	109.0	111.4	119.0	127.2	106.4	108.7	116.1	124.1	103.8	106.0	113.3	121.1	98.6	100.7	107.6	115.1	91.3	93.3	99.7	106.6	
S/T	0.91	0.85	0.69	0.52	0.94	0.88	0.72	0.54	0.97	0.91	0.74	0.55	1.00	0.94	0.76	0.57	1.00	0.97	0.79	0.59	1.00	1.00	0.80	0.60	
ΔT	22	21	18	15	22	21	18	15	22	21	18	15	22	21	19	15	21	21	18	15	20	20	17	14	
kW	8.42	8.59	8.84	9.10	9.02	9.20	9.47	9.76	9.55	9.74	10.04	10.35	10.01	10.22	10.53	10.86	10.41	10.62	10.96	11.30	10.75	10.98	11.32	11.68	
Amps	61.9	62.4	63.1	64.0	63.6	64.2	65.0	65.9	65.6	66.3	67.1	68.1	67.4	68.0	69.0	70.0	69.1	69.8	70.8	72.0	70.8	71.6	72.6	73.9	
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	107	114	125	133	113	121	132	140	118	125	137	146	124	132	144	153	130	138	151	161	134	143	156	166	
<b>85</b>	MBh	101.7	103.7	108.6	115.9	99.4	101.3	106.1	113.2	97.0	98.9	103.5	110.5	94.6	96.5	101.0	107.8	89.9	91.6	96.0	102.4	83.3	84.9	88.9	94.8
	S/T	0.88	0.85	0.76	0.62	0.91	0.88	0.79	0.64	0.93	0.90	0.81	0.66	0.96	0.93	0.84	0.68	1.00	0.96	0.87	0.70	1.00	0.97	0.88	0.71
	ΔT	25	24	23	20	25	25	23	20	25	25	23	20	25	25	23	20	25	24	23	20	22	23	22	19
	kW	8.24	8.40	8.64	8.89	8.82	8.99	9.26	9.54	9.33	9.52	9.80	10.10	9.78	9.98	10.28	10.61	10.16	10.37	10.69	11.03	10.49	10.71	11.05	11.40
	Amps	61.3	61.8	62.5	63.3	63.0	63.5	64.3	65.2	65.0	65.5	66.4	67.4	66.6	67.3	68.2	69.2	68.3	69.0	70.0	71.1	70.0	70.7	71.7	72.9
	HI PR	222	239	252	263	249	268	283	295	283	305	322	336	323	347	367	382	363	391	413	430	401	432	456	475
	LO PR	104	111	121	129	110	117	128	136	114	122	133	141	120	128	140	149	126	134	146	156	130	139	151	161
	MBh	110.2	112.3	117.7	125.5	107.6	109.7	114.9	122.6	105.1	107.1	112.2	119.7	102.5	104.5	109.5	116.8	97.4	99.3	104.0	110.9	90.2	92.0	96.3	102.8
	S/T	0.91	0.88	0.79	0.64	0.94	0.91	0.82	0.67	0.97	0.93	0.84	0.68	1.00	0.96	0.87	0.70	1.00	1.00	0.90	0.73	1.00	1.00	0.91	0.74
	ΔT	24	24	23	20	25	24	23	20	25	24	23	20	25	24	23	20	24	24	23	20	22	22	21	18
	kW	8.42	8.59	8.84	9.10	9.02	9.20	9.47	9.76	9.55	9.74	10.04	10.35	10.01	10.22	10.53	10.86	10.41	10.62	10.96	11.30	10.75	10.98	11.32	11.68
	Amps	61.9	62.4	63.1	64.0	63.6	64.2	65.0	65.9	65.6	66.3	67.1	68.1	67.4	68.0	69.0	70.0	69.1	69.8	70.8	72.0	70.8	71.6	72.6	73.9
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	107	114	125	133	113	121	132	140	118	125	137	146	124	132	144	153	130	138	151	161	134	143	156	166	
MBh	113.5	115.7	121.2	129.3	110.9	113.0	118.4	126.3	108.2	110.3	115.6	123.3	105.6	107.6	112.7	120.3	100.3	102.3	107.1	114.3	92.9	94.7	99.2	105.8	
S/T	0.95	0.92	0.83	0.67	0.99	0.95	0.86	0.70	1.00	0.98	0.88	0.72	1.00	1.00	0.91	0.74	1.00	1.00	0.94	0.77	1.00	1.00	0.95	0.77	
ΔT	23	23	22	19	24	23	22	19	23	23	22	19	23	23	22	19	22	22	22	19	20	20	20	18	
kW	8.48	8.65	8.90	9.17	9.09	9.27	9.55	9.84	9.62	9.82	10.11	10.43	10.09	10.30	10.62	10.95	10.49	10.71	11.04	11.39	10.83	11.06	11.41	11.78	
Amps	62.1	62.6	63.3	64.2	63.8	64.4	65.2	66.1	65.9	66.5	67.4	68.4	67.6	68.3	69.2	70.3	69.4	70.1	71.1	72.3	71.1	71.9	72.9	74.2	
HI PR	231	249	263	274	259	279	295	307	295	317	335	350	336	362	382	398	378	407	430	448	418	449	475	495	
LO PR	108	115	126	134	115	122	133	142	119	127	138	147	125	133	145	155	131	139	152	162	136	144	157	168	

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

EXPANDED COOLING DATA — Two DZ13SA048\* / DAT0904\*

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
70	MBh	86.2	89.4	97.9	-	84.2	87.3	95.6	-	82.2	85.2	93.4	-	80.2	83.1	91.1	-	76.2	79.0	86.5	-	70.6	73.2	80.2	-
	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	-
	ΔT	17	15	11	-	18	15	12	-	18	15	12	-	18	15	12	-	17	15	11	-	16	14	11	-
	kW	6.02	6.14	6.33	-	6.46	6.60	6.80	-	6.85	7.00	7.22	-	7.20	7.35	7.59	-	7.49	7.65	7.90	-	7.75	7.92	8.17	-
	Amps	16.5	16.8	17.4	-	17.7	18.1	18.7	-	19.2	19.6	20.2	-	20.4	20.9	21.6	-	21.7	22.2	22.9	-	22.9	23.4	24.2	-
	Hi PR	238	256	270	-	267	287	303	-	304	327	345	-	346	372	393	-	389	419	442	-	430	462	488	-
	Lo PR	104	111	121	-	110	117	128	-	114	121	133	-	120	128	139	-	126	134	146	-	130	138	151	-
	MBh	83.7	86.8	95.1	-	81.8	84.8	92.9	-	79.8	82.7	90.7	-	77.9	80.7	88.4	-	74.0	76.7	84.0	-	68.5	71.0	77.8	-
	S/T	0.71	0.59	0.41	-	0.73	0.61	0.42	-	0.75	0.63	0.43	-	0.77	0.65	0.45	-	0.80	0.67	0.46	-	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	5.97	6.09	6.28	-	6.41	6.54	6.75	-	6.80	6.94	7.16	-	7.14	7.29	7.53	-	7.43	7.59	7.84	-	7.68	7.85	8.10	-
	Amps	16.3	16.7	17.2	-	17.6	18.0	18.5	-	19.0	19.4	20.0	-	20.2	20.7	21.4	-	21.5	22.0	22.7	-	22.7	23.2	24.0	-
Hi PR	235	253	268	-	264	284	300	-	301	323	342	-	342	368	389	-	385	414	438	-	425	458	483	-	
Lo PR	103	110	120	-	109	116	126	-	113	120	131	-	119	126	138	-	124	132	145	-	129	137	150	-	
MBh	77.3	80.1	87.8	-	75.5	78.2	85.7	-	73.7	76.4	83.7	-	71.9	74.5	81.6	-	68.3	70.8	77.5	-	63.3	65.6	71.8	-	
S/T	0.68	0.57	0.39	-	0.70	0.59	0.41	-	0.72	0.60	0.42	-	0.75	0.62	0.43	-	0.77	0.65	0.45	-	0.78	0.65	0.45	-	
ΔT	18	16	12	-	19	16	12	-	19	16	12	-	19	16	12	-	18	16	12	-	17	15	11	-	
kW	5.84	5.95	6.13	-	6.26	6.39	6.59	-	6.64	6.78	6.99	-	6.97	7.12	7.34	-	7.25	7.41	7.64	-	7.50	7.66	7.90	-	
Amps	15.9	16.3	16.8	-	17.1	17.5	18.0	-	18.5	18.9	19.5	-	19.7	20.2	20.8	-	20.9	21.4	22.1	-	22.1	22.6	23.3	-	
Hi PR	228	246	260	-	256	276	291	-	292	314	331	-	332	357	377	-	374	402	424	-	413	444	469	-	
Lo PR	100	106	116	-	106	112	123	-	110	117	127	-	115	123	134	-	121	128	140	-	125	133	145	-	
75	MBh	87.7	90.3	97.7	104.9	85.7	88.2	95.5	102.5	83.6	86.1	93.2	100.0	81.6	84.0	90.9	97.6	77.5	79.8	86.4	92.7	71.8	73.9	80.0	85.9
	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
	ΔT	20	19	15	10	20	19	15	11	20	19	15	11	21	19	15	11	20	19	15	11	19	17	14	10
	kW	6.06	6.19	6.38	6.57	6.51	6.65	6.85	7.07	6.91	7.05	7.28	7.51	7.26	7.41	7.65	7.90	7.55	7.72	7.97	8.23	7.81	7.98	8.24	8.51
	Amps	16.6	17.0	17.5	18.1	17.9	18.3	18.8	19.5	19.3	19.8	20.4	21.1	20.6	21.1	21.8	22.5	21.9	22.4	23.1	23.9	23.1	23.7	24.4	25.3
	Hi PR	240	259	273	285	270	290	306	320	307	330	348	363	349	376	397	414	393	423	446	466	434	467	493	515
	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
	MBh	85.1	87.7	94.9	101.8	83.2	85.6	92.7	99.5	81.2	83.6	90.5	97.1	79.2	81.5	88.3	94.7	75.2	77.5	83.9	90.0	69.7	71.8	77.7	83.4
	S/T	0.80	0.72	0.54	0.35	0.83	0.74	0.56	0.36	0.85	0.76	0.58	0.37	0.88	0.79	0.60	0.38	0.91	0.82	0.62	0.40	0.92	0.82	0.62	0.40
	ΔT	21	19	16	11	21	19	16	11	21	20	16	11	21	20	16	11	21	19	16	11	20	18	15	10
	kW	6.02	6.14	6.33	6.52	6.46	6.60	6.80	7.01	6.85	7.00	7.22	7.45	7.20	7.35	7.59	7.83	7.49	7.66	7.90	8.16	7.75	7.92	8.17	8.44
	Amps	16.5	16.8	17.4	18.0	17.7	18.1	18.7	19.3	19.2	19.6	20.2	21.0	20.4	20.9	21.6	22.3	21.7	22.2	22.9	23.7	22.9	23.4	24.2	25.1
Hi PR	238	256	270	282	267	287	303	316	304	327	345	360	346	372	393	410	389	419	442	461	430	463	488	509	
Lo PR	104	111	121	129	110	117	128	136	114	122	133	141	120	128	139	148	126	134	146	156	130	138	151	161	
MBh	78.6	80.9	87.6	94.0	76.8	79.0	85.5	91.8	74.9	77.1	83.5	89.6	73.1	75.3	81.5	87.4	69.4	71.5	77.4	83.1	64.3	66.2	71.7	76.9	
S/T	0.77	0.69	0.52	0.34	0.80	0.72	0.54	0.35	0.82	0.73	0.56	0.36	0.85	0.76	0.57	0.37	0.88	0.79	0.60	0.38	0.89	0.79	0.60	0.39	
ΔT	21	20	16	11	21	20	16	11	22	20	16	11	22	20	16	11	21	20	16	11	20	18	15	10	
kW	5.88	6.00	6.18	6.37	6.31	6.44	6.64	6.85	6.69	6.83	7.05	7.27	7.03	7.18	7.40	7.64	7.31	7.47	7.71	7.96	7.56	7.72	7.97	8.23	
Amps	16.0	16.4	16.9	17.5	17.3	17.7	18.2	18.8	18.7	19.1	19.7	20.4	19.9	20.3	21.0	21.7	21.1	21.6	22.3	23.1	22.3	22.8	23.6	24.4	
Hi PR	231	248	262	274	259	279	294	307	294	317	335	349	335	361	381	398	377	406	429	447	417	449	474	494	
Lo PR	101	107	117	125	107	113	124	132	111	118	129	137	116	124	135	144	122	130	142	151	126	134	147	156	

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 (comp. + fan)

EXPANDED COOLING DATA — Two DZ13SA048\* / DAT0904\* (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	89.3	91.2	97.4	104.2	87.2	89.1	95.2	101.7	85.1	87.0	92.9	99.3	83.0	84.8	90.6	96.9	78.9	80.6	86.1	92.0	73.1	74.7	79.8	85.3
	S/T	0.92	0.86	0.70	0.53	0.96	0.90	0.73	0.54	1.00	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	22	21	19	15	23	22	19	15	23	22	19	15	23	22	19	15	22	22	19	15	20	20	18	14
	kW	6.11	6.24	6.43	6.62	6.56	6.70	6.91	7.13	6.96	7.11	7.34	7.57	7.32	7.47	7.71	7.96	7.62	7.78	8.03	8.30	7.88	8.05	8.31	8.58
	Amps	16.7	17.1	17.7	18.3	18.0	18.4	19.0	19.7	19.5	20.0	20.6	21.3	20.8	21.3	21.9	22.7	22.1	22.6	23.3	24.2	23.3	23.9	24.6	25.6
	Hi PR	243	261	276	288	272	293	309	323	310	333	352	367	353	380	401	418	397	427	451	470	438	472	498	520
	Lo PR	106	113	123	131	112	119	130	139	117	124	135	144	122	130	142	151	128	136	149	159	133	141	154	164
	MBh	86.7	88.5	94.6	101.1	84.6	86.5	92.4	98.8	82.6	84.4	90.2	96.4	80.6	82.4	88.0	94.1	76.6	78.2	83.6	89.4	70.9	72.5	77.4	82.8
	S/T	0.88	0.82	0.67	0.50	0.91	0.85	0.70	0.52	0.93	0.88	0.71	0.53	0.96	0.90	0.74	0.55	1.00	0.94	0.76	0.57	1.00	0.95	0.77	0.58
	ΔT	23	22	19	16	24	23	20	16	24	23	20	16	24	23	20	16	23	23	20	16	22	21	18	15
kW	6.06	6.19	6.38	6.57	6.51	6.65	6.85	7.07	6.91	7.06	7.28	7.51	7.26	7.41	7.65	7.90	7.56	7.72	7.97	8.23	7.81	7.98	8.24	8.51	
Amps	16.6	17.0	17.5	18.1	17.9	18.3	18.9	19.5	19.3	19.8	20.4	21.1	20.6	21.1	21.8	22.5	21.9	22.4	23.1	23.9	23.1	23.7	24.4	25.3	
Hi PR	240	259	273	285	270	290	306	320	307	330	348	363	349	376	397	414	393	423	447	466	434	467	493	515	
Lo PR	105	112	122	130	111	118	129	137	115	123	134	143	121	129	141	150	127	135	148	157	131	140	153	162	
MBh	80.0	81.7	87.3	93.3	78.1	79.8	85.3	91.2	76.3	77.9	83.3	89.0	74.4	76.0	81.2	86.8	70.7	72.2	77.2	82.5	65.5	66.9	71.5	76.4	
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	0.74	0.55	0.97	0.91	0.74	0.56	
ΔT	24	23	20	16	24	23	20	16	24	23	20	16	24	23	20	16	24	23	20	16	22	21	19	15	
kW	5.93	6.05	6.23	6.42	6.36	6.49	6.69	6.90	6.74	6.89	7.10	7.33	7.08	7.23	7.46	7.70	7.37	7.53	7.77	8.02	7.62	7.79	8.04	8.30	
Amps	16.2	16.5	17.1	17.7	17.4	17.8	18.4	19.0	18.8	19.3	19.9	20.6	20.1	20.5	21.2	21.9	21.3	21.8	22.5	23.3	22.5	23.0	23.8	24.6	
Hi PR	233	251	265	276	262	281	297	310	297	320	338	353	339	365	385	402	381	410	433	452	421	453	479	499	
Lo PR	102	108	118	126	108	115	125	133	112	119	130	138	118	125	137	145	123	131	143	152	127	136	148	158	
85	MBh	90.8	92.6	97.0	103.4	88.7	90.4	94.7	101.0	86.6	88.3	92.4	98.6	84.5	86.1	90.2	96.2	80.3	81.8	85.7	91.4	74.3	75.8	79.4	84.7
	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	24	24	22	19	24	24	23	19	24	24	23	20	23	23	23	20	22	22	22	19	20	21	21	18
	kW	6.16	6.28	6.48	6.68	6.61	6.75	6.96	7.18	7.02	7.17	7.39	7.63	7.38	7.53	7.77	8.03	7.68	7.85	8.10	8.36	7.94	8.11	8.38	8.66
	Amps	16.9	17.3	17.8	18.4	18.2	18.6	19.2	19.9	19.7	20.1	20.8	21.5	21.0	21.5	22.1	22.9	22.3	22.8	23.5	24.4	23.5	24.1	24.9	25.8
	Hi PR	245	264	279	291	275	296	313	326	313	337	355	371	356	383	405	422	401	431	455	475	443	477	503	525
	Lo PR	107	114	124	133	113	120	132	140	118	125	137	146	124	132	144	153	130	138	150	160	134	143	156	166
	MBh	88.2	89.9	94.1	100.4	86.1	87.8	91.9	98.1	84.1	85.7	89.7	95.7	82.0	83.6	87.6	93.4	77.9	79.4	83.2	88.7	72.2	73.6	77.1	82.2
	S/T	0.92	0.89	0.80	0.65	0.95	0.92	0.83	0.67	0.98	0.94	0.85	0.69	1.00	0.98	0.88	0.71	1.00	1.00	0.91	0.74	1.00	1.00	0.92	0.75
	ΔT	25	24	23	20	25	25	23	20	25	25	23	20	25	25	24	20	24	24	23	20	22	23	22	19
kW	6.11	6.24	6.43	6.62	6.56	6.70	6.91	7.13	6.96	7.11	7.34	7.57	7.32	7.47	7.71	7.96	7.62	7.78	8.03	8.30	7.88	8.05	8.31	8.58	
Amps	16.7	17.1	17.7	18.3	18.0	18.4	19.0	19.7	19.5	20.0	20.6	21.3	20.8	21.3	21.9	22.7	22.1	22.6	23.3	24.2	23.3	23.9	24.6	25.6	
Hi PR	243	261	276	288	272	293	309	323	310	333	352	367	353	380	401	418	397	427	451	470	438	472	498	520	
Lo PR	106	113	123	131	112	119	130	139	117	124	135	144	122	130	142	151	128	136	149	159	133	141	154	164	
MBh	81.4	83.0	86.9	92.7	79.5	81.0	84.9	90.5	77.6	79.1	82.8	88.4	75.7	77.2	80.8	86.2	71.9	73.3	76.8	81.9	66.6	67.9	71.1	75.9	
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	0.98	0.88	0.71	1.00	0.98	0.89	0.72	
ΔT	25	25	24	20	26	25	24	21	26	25	24	21	26	25	24	21	25	25	24	20	23	23	22	19	
kW	5.97	6.09	6.28	6.47	6.41	6.54	6.74	6.96	6.80	6.94	7.16	7.39	7.14	7.29	7.52	7.77	7.43	7.59	7.83	8.09	7.68	7.85	8.10	8.37	
Amps	16.3	16.7	17.2	17.8	17.6	18.0	18.5	19.2	19.0	19.4	20.0	20.8	20.2	20.7	21.4	22.1	21.5	22.0	22.7	23.5	22.7	23.2	24.0	24.9	
Hi PR	235	253	268	279	264	284	300	313	300	323	341	356	342	368	389	406	385	414	437	456	425	458	483	504	
Lo PR	103	110	120	127	109	116	126	135	113	120	131	140	119	126	138	147	124	132	145	154	129	137	149	159	

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

EXPANDED COOLING DATA — Two DZ13SA060\* / DAT1204\*

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			
70	4496	MBh	111.7	115.8	126.9	109.1	113.1	123.9	106.5	110.4	121.0	103.9	107.7	118.0	98.7	102.3	112.1	91.4	94.8	103.8	98.7	102.3	112.1	91.4	94.8	103.8		
	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	0.85	0.71	0.49	0.85	0.71	0.49			
	ΔT	17	15	11	17	15	11	17	15	11	17	15	11	17	15	11	16	14	10	17	15	11	16	14	10			
	kW	7.88	8.03	8.26	8.43	8.60	8.85	8.92	9.10	9.37	9.35	9.54	9.83	9.72	9.92	10.23	10.03	10.24	10.56	9.72	9.92	10.23	10.03	10.24	10.56			
	Amps	16.8	17.2	17.9	18.3	18.8	19.4	20.0	20.5	21.2	21.4	22.0	22.8	22.9	23.5	24.3	24.3	25.0	25.9	24.3	25.0	25.9	22.9	23.5	24.3	24.3	25.0	25.9
	Hi PR	226	243	257	254	273	288	288	310	328	328	353	373	369	398	420	408	439	464	369	398	420	408	439	464			
	Lo PR	102	109	119	108	115	125	112	119	130	118	125	137	124	131	143	128	136	148	124	131	143	128	136	148			
	4000	MBh	108.5	112.4	123.2	105.9	109.8	120.3	103.4	107.2	117.4	100.9	104.6	114.6	95.8	99.3	108.8	88.8	92.0	100.8	95.8	99.3	108.8	88.8	92.0	100.8		
	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	18	15	12	17	14	11			
	kW	7.82	7.97	8.20	8.37	8.53	8.79	8.85	9.03	9.30	9.28	9.47	9.76	9.64	9.84	10.15	9.96	10.16	10.48	9.64	9.84	10.15	9.96	10.16	10.48			
	Amps	16.7	17.1	17.7	18.1	18.6	19.2	19.8	20.3	21.0	21.2	21.8	22.5	22.7	23.3	24.1	24.1	24.7	25.6	22.7	23.3	24.1	24.1	24.7	25.6			
Hi PR	224	241	254	251	270	285	285	307	324	325	350	370	366	394	416	404	435	459	366	394	416	404	435	459				
Lo PR	101	108	118	107	114	124	111	118	129	117	124	136	122	130	142	126	135	147	122	130	142	126	135	147				
3505	MBh	100.1	103.8	113.7	97.8	101.3	111.0	95.4	98.9	108.4	93.1	96.5	105.7	88.5	91.7	100.5	81.9	84.9	93.1	88.5	91.7	100.5	81.9	84.9	93.1			
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	0.78	0.65	0.45	0.78	0.65	0.45				
ΔT	18	16	12	18	16	12	18	16	12	18	16	12	18	16	12	17	15	11	18	16	12	17	15	11				
kW	7.65	7.80	8.02	8.18	8.34	8.59	8.65	8.82	9.09	9.07	9.25	9.53	9.42	9.61	9.91	9.72	9.92	10.23	9.42	9.61	9.91	9.72	9.92	10.23				
Amps	16.2	16.6	17.2	17.6	18.0	18.7	19.2	19.7	20.4	20.6	21.1	21.9	22.0	22.6	23.4	23.4	24.0	24.9	22.0	22.6	23.4	23.4	24.0	24.9				
Hi PR	217	234	247	243	262	277	277	298	315	315	339	358	355	382	403	392	422	446	315	339	358	355	382	403				
Lo PR	98	104	114	104	110	120	108	115	125	113	120	131	119	126	138	123	131	143	113	120	131	119	126	138				
75	4496	MBh	113.6	117.0	126.6	135.9	111.0	114.2	123.7	132.7	108.3	111.5	120.7	129.6	105.7	108.8	117.8	126.4	100.4	103.4	111.9	120.1	93.0	95.7	103.6	111.2		
	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	20	18	15	10	20	18	15	10	20	18	15	10	20	18	15	10	20	18	15	10	18	17	14	10			
	kW	7.94	8.09	8.32	8.57	8.49	8.66	8.92	9.19	8.99	9.17	9.45	9.74	9.42	9.62	9.91	10.22	9.79	10.00	10.31	10.63	10.11	10.33	10.65	10.99			
	Amps	17.0	17.4	18.0	18.7	18.5	18.9	19.6	20.4	20.2	20.7	21.4	22.3	21.6	22.2	23.0	23.9	23.1	23.7	24.6	25.6	24.6	25.2	26.1	27.2			
	Hi PR	228	246	259	271	256	276	291	304	291	313	331	345	332	357	377	393	373	402	424	442	412	444	469	489			
	Lo PR	103	110	120	128	109	116	127	135	113	121	132	140	119	127	138	147	125	133	145	154	129	137	150	160			
	4000	MBh	110.3	113.6	122.9	131.9	107.7	110.9	120.1	128.9	105.2	108.3	117.2	125.8	102.6	105.6	114.3	122.7	97.5	100.4	108.6	116.6	90.3	93.0	100.6	108.0		
	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	19	15	11	21	19	16	11	21	19	16	11	21	19	16	11	21	19	15	11	19	18	14	10			
	kW	7.88	8.03	8.26	8.51	8.43	8.60	8.85	9.12	8.92	9.10	9.38	9.66	9.35	9.54	9.84	10.14	9.72	9.92	10.23	10.55	10.04	10.25	10.56	10.90			
	Amps	16.8	17.3	17.9	18.6	18.3	18.8	19.4	20.2	20.0	20.5	21.2	22.1	21.4	22.0	22.8	23.7	22.9	23.5	24.3	25.3	24.3	25.0	25.9	26.9			
Hi PR	226	243	257	268	254	273	288	301	288	310	328	342	328	353	373	389	370	398	420	438	408	439	464	484				
Lo PR	102	109	119	126	108	115	125	134	112	119	130	139	118	125	137	146	124	131	143	153	128	136	148	158				
3505	MBh	101.8	104.8	113.5	121.8	99.4	102.4	110.8	118.9	97.1	99.9	108.2	116.1	94.7	97.5	105.5	113.3	90.0	92.6	100.3	107.6	83.3	85.8	92.9	99.7			
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	21	19	16	11	21	19	16	11	21	19	16	11	21	19	16	11	21	19	16	11	19	18	15	10				
kW	7.71	7.85	8.08	8.32	8.24	8.41	8.65	8.91	8.72	8.89	9.16	9.44	9.14	9.32	9.61	9.90	9.49	9.69	9.98	10.30	9.80	10.00	10.31	10.64				
Amps	16.3	16.8	17.3	18.0	17.8	18.2	18.8	19.6	19.4	19.9	20.6	21.4	20.8	21.4	22.1	23.0	22.2	22.8	23.6	24.6	23.6	24.2	25.1	26.1				
Hi PR	219	236	249	260	246	265	280	292	280	301	318	332	319	343	362	378	358	386	407	425	396	426	450	469				
Lo PR	99	105	115	123	105	111	122	130	109	116	126	135	114	122	133	141	120	127	139	148	124	132	144	153				

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 (comp. fan)



## EXPANDED HEATING DATA — DZ11SA

### DZ11SA0903\*\* / DAR0904A\*

	OUTDOOR AMBIENT TEMPERATURE																	
	65	60	55	50	47	45	40	35	30	25	20	17	15	10	5	0	-5	-10
MBh	103.1	97.6	91.8	85.9	82.0	79.5	73.8	68.1	74.8	69.0	63.5	60.0	57.8	51.8	46.0	40.1	34.2	28.0
T/R	29.9	28.3	26.6	24.9	23.8	23.0	21.4	19.7	21.7	20.0	18.4	17.4	16.8	15.0	13.3	11.6	9.9	8.1
kW	7.91	7.76	7.61	7.46	7.38	7.31	7.17	7.02	7.83	7.65	7.48	7.38	7.31	7.13	6.96	6.79	6.61	6.44
Amps	19.1	18.7	18.4	18.1	17.9	17.8	17.6	17.4	17.2	17.1	16.9	16.8	16.8	16.6	16.4	16.2	16.0	15.8
COP	3.82	3.68	3.53	3.37	3.25	3.18	3.01	2.84	2.80	2.64	2.49	2.38	2.31	2.13	1.93	1.73	1.51	1.27
EER	13.0	12.6	12.1	11.5	11.1	10.9	10.3	9.7	9.6	9.0	8.5	8.1	7.9	7.3	6.6	5.9	5.2	4.3
HI PR	383	368	353	338	330	324	311	299	286	273	262	256	251	242	233	223	215	208
LO PR	132	123	115	105	100	96	88	79	71	63	56	52	50	42	36	31	27	21

### DZ11SA0904\*\* / DAR0904A\*

	OUTDOOR AMBIENT TEMPERATURE																	
	65	60	55	50	47	45	40	35	30	25	20	17	15	10	5	0	-5	-10
MBh	103.1	97.6	91.8	85.9	82.0	79.5	73.8	68.1	74.8	69.0	63.5	60.0	57.8	51.8	46.0	40.1	34.2	28.0
T/R	29.9	28.3	26.6	24.9	23.8	23.0	21.4	19.7	21.7	20.0	18.4	17.4	16.8	15.0	13.3	11.6	9.9	8.1
kW	7.91	7.76	7.61	7.46	7.38	7.31	7.17	7.02	7.83	7.65	7.48	7.38	7.31	7.13	6.96	6.79	6.61	6.44
Amps	34.0	34.6	35.1	35.6	35.8	35.9	36.3	36.6	36.8	37.1	37.3	37.5	37.5	37.8	38.1	38.3	38.6	39.0
COP	3.82	3.68	3.53	3.37	3.25	3.18	3.01	2.84	2.80	2.64	2.49	2.38	2.31	2.13	1.93	1.73	1.51	1.27
EER	13.0	12.6	12.1	11.5	11.1	10.9	10.3	9.7	9.6	9.0	8.5	8.1	7.9	7.3	6.6	5.9	5.2	4.3
HI PR	383	368	353	338	330	324	311	299	286	273	262	256	251	242	233	223	215	208
LO PR	132	123	115	105	100	96	88	79	71	63	56	52	50	42	36	31	27	21

### DZ11SA1203\*\* / DAR1204A\*

	OUTDOOR AMBIENT TEMPERATURE																	
	65	60	55	50	47	45	40	35	30	25	20	17	15	10	5	0	-5	-10
MBh	125.7	119.0	112.0	104.7	100.0	96.9	90.0	83.0	74.8	69.0	63.5	60.0	57.8	51.8	46.0	40.1	34.2	28.0
T/R	30.7	29.0	27.3	25.5	24.4	23.6	21.9	20.2	18.2	16.8	15.5	14.6	14.1	12.6	11.2	9.8	8.3	6.8
kW	9.57	9.39	9.22	9.04	8.94	8.87	8.70	8.53	9.47	9.26	9.06	8.94	8.86	8.66	8.45	8.25	8.05	7.85
Amps	46.0	44.1	42.5	41.1	40.3	39.9	38.8	37.8	37.0	36.2	35.4	35.0	34.8	34.1	33.1	32.3	31.3	30.1
COP	3.85	3.71	3.56	3.39	3.27	3.20	3.03	2.85	2.31	2.18	2.05	1.96	1.91	1.75	1.59	1.42	1.24	1.05
EER	13.1	12.7	12.2	11.6	11.2	10.9	10.3	9.7	7.9	7.4	7.0	6.7	6.5	6.0	5.4	4.9	4.3	3.6
HI PR	374	358	344	329	322	315	303	291	279	266	256	249	245	236	227	217	210	202
LO PR	125	116	108	99	94	90	83	74	67	60	52	49	47	40	34	29	25	20

### DZ11SA1204\*\* / DAR1204A\*

	OUTDOOR AMBIENT TEMPERATURE																	
	65	60	55	50	47	45	40	35	30	25	20	17	15	10	5	0	-5	-10
MBh	125.7	119.0	112.0	104.7	100.0	96.9	90.0	83.0	74.8	69.0	63.5	60.0	57.8	51.8	46.0	40.1	34.2	28.0
T/R	30.7	29.0	27.3	25.5	24.4	23.6	21.9	20.2	18.2	16.8	15.5	14.6	14.1	12.6	11.2	9.8	8.3	6.8
kW	9.57	9.39	9.22	9.04	8.94	8.87	8.70	8.53	9.47	9.26	9.06	8.94	8.86	8.66	8.45	8.25	8.05	7.85
Amps	91.2	87.3	84.2	81.5	80.0	79.2	76.9	75.0	73.5	71.9	70.3	69.6	69.2	67.7	65.7	64.2	62.3	59.9
COP	3.85	3.71	3.56	3.39	3.27	3.20	3.03	2.85	2.31	2.18	2.05	1.96	1.91	1.75	1.59	1.42	1.24	1.05
EER	13.1	12.7	12.2	11.6	11.2	10.9	10.3	9.7	7.9	7.4	7.0	6.7	6.5	6.0	5.4	4.9	4.3	3.6
HI PR	374	358	344	329	322	315	303	291	279	266	256	249	245	236	227	217	210	202
LO PR	125	116	108	99	94	90	83	74	67	60	52	49	47	40	34	29	25	20

High pressure is measured at the suction service valve ( the larger valve).  
 Low pressure is measured at the gauge port connection.  
 Calculations are based on nominal CFM and 70 °F indoor dry bulb.

Amps = Outdoor unit amps (comp.+fan)  
 kW = Total system power



## EXPANDED HEATING DATA — TWO-SPEED SYSTEMS

### TWO DZ13SA048\* + DAT0904\*

	OUTDOOR AMBIENT TEMPERATURE																	
	65	60	55	50	47	45	40	35	30	25	20	17	15	10	5	0	-5	-10
MBh	103.1	97.6	91.8	85.9	82.0	79.5	73.8	68.1	64.8	59.8	55.1	52.0	50.1	44.9	39.8	34.7	29.6	24.3
T/R	31.8	30.1	28.3	26.5	25.3	24.5	22.8	21.0	20.0	18.5	17.0	16.0	15.5	13.9	12.3	10.7	9.1	7.5
kW	7.82	7.67	7.52	7.37	7.28	7.22	7.07	6.92	7.04	6.88	6.72	6.63	6.57	6.41	6.25	6.09	5.93	5.78
Amps	27.3	25.4	23.8	22.4	21.6	21.2	20.1	19.1	18.3	17.5	16.7	16.3	16.1	15.3	14.4	13.6	12.6	11.4
COP	3.86	3.72	3.57	3.41	3.30	3.22	3.06	2.88	2.69	2.54	2.40	2.30	2.23	2.05	1.86	1.67	1.46	1.23
EER	13.2	12.7	12.2	11.7	11.3	11.0	10.4	9.8	9.2	8.7	8.2	7.8	7.6	7.0	6.4	5.7	5.0	4.2
HI PR	439	421	405	387	378	371	356	342	328	313	300	293	288	277	266	255	246	238
LO PR	138	128	120	110	104	100	92	82	74	66	58	54	52	44	38	32	28	22

### TWO DZ13SA060\* + DAT1204\*

	OUTDOOR AMBIENT TEMPERATURE																	
	65	60	55	50	47	45	40	35	30	25	20	17	15	10	5	0	-5	-10
MBh	138.3	130.9	123.2	115.2	110.0	106.6	99.0	91.3	87.2	80.5	74.1	70.0	67.4	60.5	53.6	46.8	39.9	32.7
T/R	32.0	30.3	28.5	26.7	25.5	24.7	22.9	21.1	20.2	18.6	17.2	16.2	15.6	14.0	12.4	10.8	9.2	7.6
kW	10.46	10.26	10.06	9.86	9.75	9.67	9.48	9.28	9.44	9.23	9.03	8.91	8.83	8.62	8.41	8.21	8.00	7.80
Amps	34.1	31.5	29.3	27.4	26.4	25.8	24.3	22.9	21.9	20.8	19.7	19.2	18.9	17.9	16.5	15.5	14.1	12.5
COP	3.87	3.73	3.58	3.42	3.30	3.23	3.06	2.88	2.70	2.55	2.40	2.30	2.24	2.05	1.86	1.67	1.46	1.23
EER	13.2	12.8	12.2	11.7	11.3	11.0	10.4	9.8	9.2	8.7	8.2	7.9	7.6	7.0	6.4	5.7	5.0	4.2
HI PR	453	434	417	399	389	382	367	352	338	322	310	302	297	285	275	263	254	245
LO PR	132	122	115	105	99	96	88	78	71	63	55	52	50	42	36	31	27	21

High pressure is measured at the suction service valve ( the larger valve).

Low pressure is measured at the gauge port connection.

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

Amps = Outdoor unit amps (comp.+fan)

kW = Total system power

#### TWO-SPEED AIR HANDLER NOTES

- For 7½-ton two-speed air handler: unit is circuited with two 4-ton heat pump systems.
- For 10-ton two-speed air handler: unit is circuited with two 5-ton heat pump systems.
- For technical details regarding the DZ13SA and DAT series product specifications, go to: <http://daikincomfort.com/commercial/split-systems>

## AHRI PERFORMANCE RATINGS — DZ11SA

OUTDOOR UNIT	INDOOR UNIT	COOLING CAPACITY (BTU/H)			AHRI #
		TOTAL	SENSIBLE	EER <sup>1</sup>	
DZ11SA0903A*	DAR0904A*	82,000/ 87,000	60,800/ 64,500	11.0	6334519
DZ11SA0904A*	DAR0904A*	87,000	64,500	11.0	6334518
DZ11SA1203A*	DAR1204A*	100,000/ 110,000	72,600/ 79,860	11.0	6334517
DZ11SA1204A*	DAR1204A*	110,000	79,860	11.0	6334516

<sup>1</sup> Energy Efficiency Ratio @ 80 °F/67 °F Inside - 95 °F

## AHRI PERFORMANCE RATINGS — TWO-SPEED SYSTEMS

OUTDOOR UNIT	INDOOR UNIT	DESCRIPTION	COOLING CAPACITY*	EER <sup>1</sup>	IEER <sup>2</sup>	HEATING (47F)	COP (47F)	HEATING (17F)	COP (17F)	CFM	AHRI #
Two DZ13SA0483**	DAT09043**	208/230V, 3-Phase 7.5-Ton Capacity	88,000/ 88,000	11.5 / 11.5	14.0/ 14.0	82,000/ 82,000	3.3/ 3.3	52,000/ 52,000	2.3/ 2.3	3,000	7500108
Two DZ13SA0484**	DAT09044**	460V, 3-Phase 7.5-Ton Capacity	88,000	11.5	14.0	82,000	3.3	52,000	2.3	3,000	7500109
Two DZ13SA0603**	DAT12043**	208/230V, 3-Phase 10-Ton Capacity	114,000/ 114,000	11.5 / 11.5	13.0/ 13.0	110,000/ 110,000	3.3/ 3.3	70,000/ 70,000	2.3/ 2.3	4,000	7500110
Two DZ13SA0604**	DAT12044**	460V, 3-Phase 10-Ton Capacity	114,000	11.5	13.0	110,000	3.3	70,000	2.3	4,000	7500111

\* BTU/h

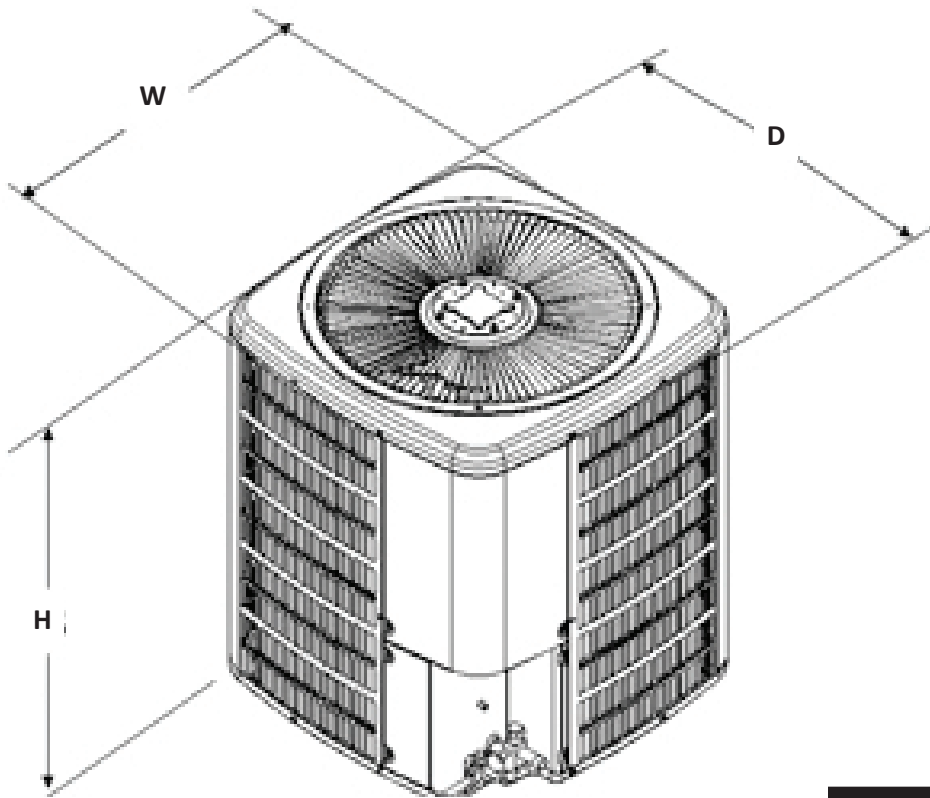
<sup>1</sup> Energy Efficiency Ratio @ 80 °F/67 °F Inside - 95 °F

<sup>2</sup> Integrated Energy Efficiency Ratio @ 80 °F/67 °F Inside - 95 °F

### TWO-SPEED AIR HANDLER NOTES

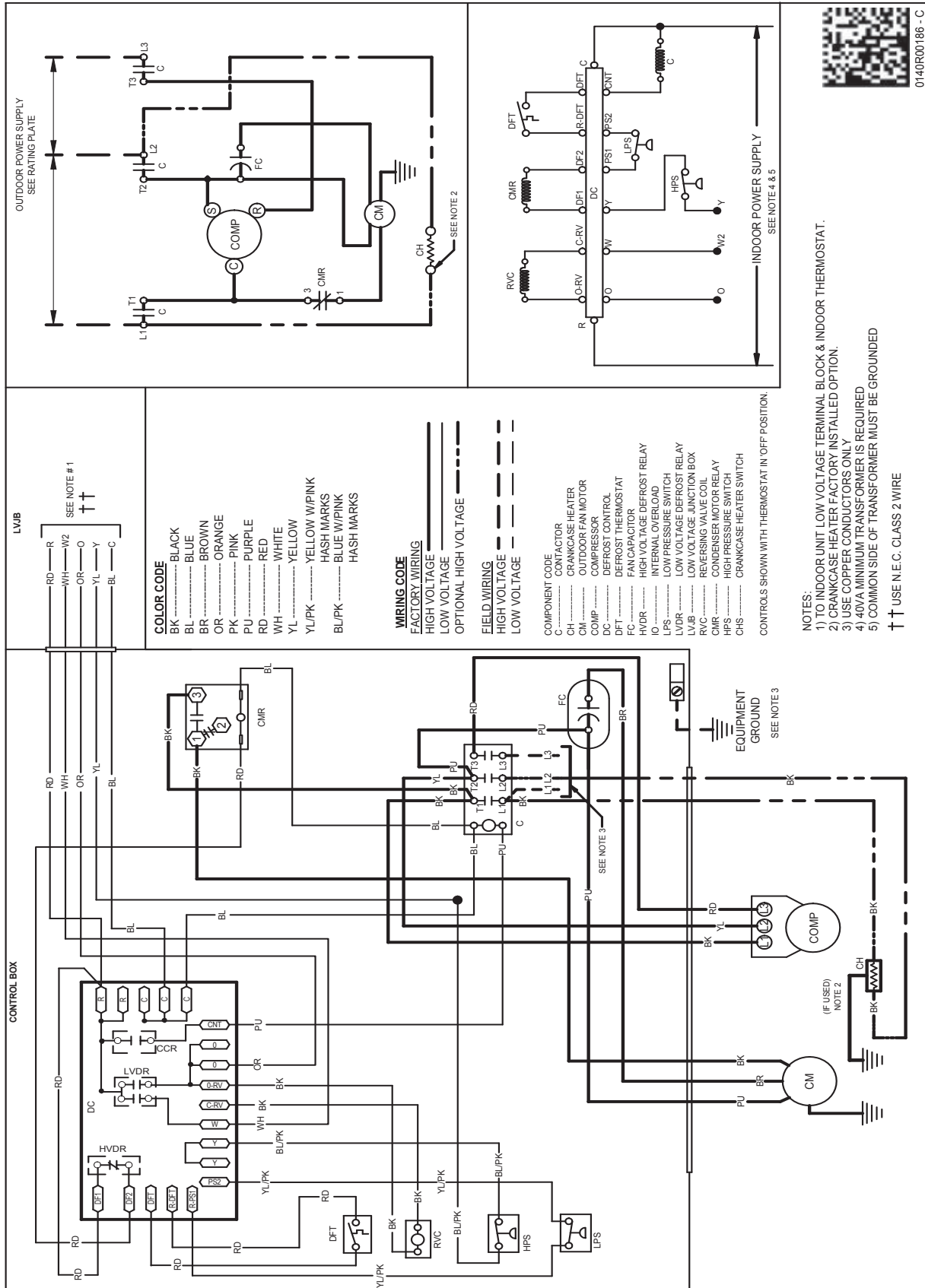
- For 7½-ton two-speed air handler: unit is circuited with two 4-ton heat pump systems.
- For 10-ton two-speed air handler: unit is circuited with two 5-ton heat pump systems.
- For technical details regarding the DZ13SA and DAT series product specifications, go to: <http://daikincomfort.com/commercial/split-systems>

## DIMENSIONS



MODEL	DIMENSIONS		
	W"	D"	H"
DZ11SA0903A*	35½	35½	37½
DZ11SA0904A*	35½	35½	37½
DZ11SA1203A*	35½	35½	41½
DZ11SA1204A*	35½	35½	41½

# WIRING DIAGRAM — DZ11SA(090-120)3\*\*/4\*\*



0140RD0186 - C

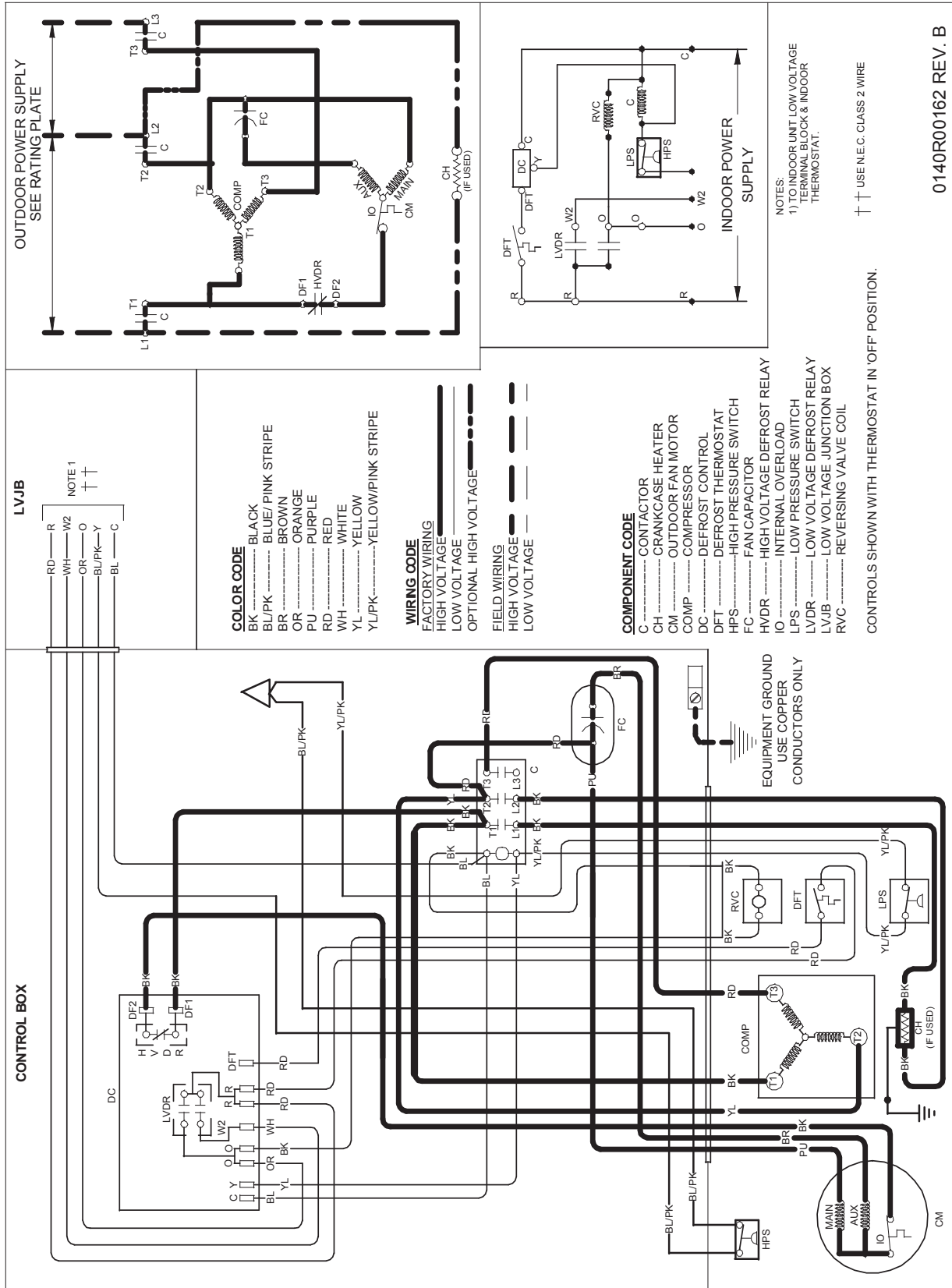


**High Voltage:** Disconnect all power before servicing or installing this unit. Multiple power sources may be present. Failure to do so may cause property damage, personal injury, or death.



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

# WIRING DIAGRAM — DZ13SA(048-060)3\*\*/4\*\*



**WARNING**

**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.



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

## ACCESSORIES — DZ11SA

ITEM #	DESCRIPTION
ABK-20	Anchor Bracket Kit <sup>◊</sup>
AFE18-60A	All-fuel Kit
FSK01A <sup>1</sup>	Freeze Protection Kit
OT18-60A <sup>2</sup>	Outdoor Thermostat with Lockout Stat

<sup>◊</sup> Contains 20 brackets; four brackets needed to anchor unit to pad

<sup>1</sup> Installed on indoor coil

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

## NOTES

## NOTES