Fichas técnicas de equipos cotizados

DAIKIN

DX11S COMMERCIAL

7.5- & 10-ton, Three-Phase
Split System Air Conditioner
11.2 EER / R-410A

PLUS

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

Contents

Standard Features

- Energy-efficient compressor
- Quiet operating top discharge
- High-efficiency copper tube / aluminum fin coil
- Brass liquid and suction service valves
- High- and low-pressure switches
- Factory-installed filter drier
- Complies with ASHRAE 90.1-2007
- AHRI Certified; ETL Listed

Cabinet Features

- Innovative sound control top design
- Steel louver coil guard protects the coil from damage and adds strength to unit
- Bottom pan rails elevate unit above slab
- 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.)

5 YEAR PARTS LIMITED WARRANTY*

* Complete warranty details available from your local dealer or at www.daikincomfort.com.

NOMENCLATURE

D	X	11	S	A	090	3	A	A
1	2	3,4	5	6	7,8,9	10	11	12

Brand
D - Daikin

Type
X - AC R-410A
Z - HP R-410A

EER
11 - 11.2 EER

Compressor
S - Single Stage
T - Two Stage

Feature Set
A - Base

Tonnage Nominal
090 -7½ tons
120 - 10 tons

Voltage
3 - 208/230 V Three-Phase 60 Hz
4 - 460 V Three-Phase 60 Hz

Engineering
Major revision

Engineering
Minor revision

PRODUCT SPECIFICATIONS — DX11SA

	DX11SA 0903A*	DX11SA 0904A*	DX11SA 1203A*	DX11SA 1204A*
COOLING CAPACITIES				
Nominal Cooling (BTU/h)[1]	88,000	90,000	114,000	112,000
EER / IEER	11.2 / 11.5	11.2 / 11.5	11.2 / 11.5	11.2 / 11.5
Decibels	84	84	84	84
COMPRESSOR				
RLA	25.0	12.2	30.1	16.7
LRA	164	100	225	114
CONDENSER FAN MOTOR				
Horsepower	1	1	1	1
FLA	5.6	3.5	5.6	3.5
REFRIGERATION SYSTEM				
Liquid Valve Connection Size ("O.D.)	⅜"	⅜"	⅜"	⅜"
Suction Valve Connection Size ("O.D.)	1⅛"	1⅛"	1⅛"	1⅛"
Valve Type	Sweat	Sweat	Sweat	Sweat
Refrigerant Charge	35	35	35	35
ELECTRICAL DATA				
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 [2]	36.9	18.8	43.2	24.4
Max. Overcurrent Protection [3]	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"
SHIP WEIGHT (LBS)	315	315	334	334

[1] Tested and rated in accordance with ARI Standard 208/230

[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 ⅜" to 1⅛" adapters for suction line connections.
- Unit is charged with refrigerant for 15' of ⅜" 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 air conditioning systems.
- For 10-ton two-speed air handler: unit is circuited with two 5-ton air conditioning systems.
- For technical details regarding the DX13SA and DAT series product specifications, go to: http://daikincomfort.com/commercial/split-systems

EXPANDED COOLING DATA — DX11SA0903 / (2)CA*F3642*6D*+TXV

			OUTDOOR AMBIENT TEMPERATURE																							
			65ºF				75ºF				85ºF				95ºF				105ºF				115ºF			
			ENTERING INDOOR WET BULB TEMPERATURE																							
IDB	AIRFLOW		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	2625	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	0.65	0.54	0.38	-	0.67	0.56	0.39	-	0.69	0.58	0.40	-	0.71	0.59	0.41	-	0.74	0.62	0.43	-	0.74	0.62	0.43	-
		ΔT	18	15	12	-	18	15	12	-	18	15	12	-	18	16	12	-	18	15	12	-	16	14	11	-
		kW	6.62	6.75	6.94	-	7.08	7.21	7.42	-	7.47	7.62	7.85	-	7.83	7.98	8.22	-	8.13	8.29	8.54	-	8.39	8.56	8.82	-
		Amps	18.0	18.3	18.9	-	19.2	19.6	20.2	-	20.7	21.1	21.7	-	21.9	22.4	23.1	-	23.2	23.7	24.4	-	24.4	25.0	25.7	-
		HI PR	216	233	246	-	243	261	276	-	276	297	313	-	314	338	357	-	353	380	402	-	391	420	444	-
		LO PR	100	106	116	-	106	112	123	-	110	117	128	-	115	123	134	-	121	129	140	-	125	133	145	-
	3021	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	0.67	0.56	0.39	-	0.70	0.58	0.40	-	0.71	0.60	0.41	-	0.74	0.62	0.43	-	0.77	0.64	0.44	-	0.77	0.64	0.45	-
		ΔT	17	15	11	-	17	15	11	-	17	15	11	-	17	15	11	-	17	15	11	-	16	14	11	-
		kW	6.77	6.90	7.09	-	7.23	7.37	7.59	-	7.65	7.80	8.03	-	8.01	8.17	8.42	-	8.32	8.49	8.75	-	8.58	8.76	9.03	-
		Amps	18.4	18.8	19.3	-	19.7	20.1	20.7	-	21.2	21.7	22.3	-	22.5	23.0	23.7	-	23.8	24.3	25.1	-	25.1	25.6	26.4	-
		HI PR	223	240	253	-	250	269	284	-	284	306	323	-	324	349	368	-	364	392	414	-	403	433	458	-
		LO PR	103	110	120	-	109	116	127	-	113	120	132	-	119	127	138	-	125	133	145	-	129	137	150	-
	3375	MBh	85.0	88.1	96.5	-	83.0	86.0	94.3	-	81.0	84.0	92.0	-	79.0	81.9	89.8	-	75.1	77.8	85.3	-	69.6	72.1	79.0	-
		S/T	0.70	0.59	0.41	-	0.73	0.61	0.42	-	0.75	0.62	0.43	-	0.77	0.64	0.45	-	0.80	0.67	0.46	-	0.81	0.67	0.47	-
		ΔT	16	14	11	-	16	14	11	-	16	14	11	-	17	14	11	-	16	14	11	-	15	13	10	-
		kW	6.80	6.93	7.13	-	7.27	7.41	7.63	-	7.69	7.84	8.07	-	8.05	8.21	8.46	-	8.36	8.53	8.79	-	8.63	8.81	9.08	-
		Amps	18.5	18.9	19.4	-	19.8	20.2	20.8	-	21.3	21.8	22.4	-	22.6	23.1	23.8	-	23.9	24.5	25.2	-	25.2	25.8	26.6	-
		HI PR	224	242	255	-	252	271	286	-	286	308	325	-	326	351	371	-	367	395	417	-	405	436	461	-
		LO PR	104	111	121	-	110	117	127	-	114	121	132	-	120	127	139	-	126	134	146	-	130	138	151	-
75	2625	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	0.74	0.66	0.50	0.32	0.76	0.68	0.52	0.33	0.78	0.70	0.53	0.34	0.81	**0.72**	0.55	0.35	0.84	0.75	0.57	0.37	0.85	0.76	0.57	0.37
		ΔT	20	19	15	11	21	19	15	11	21	19	16	11	21	**19**	16	11	20	19	15	11	19	18	14	10
		kW	6.67	6.80	6.99	7.19	7.13	7.27	7.48	7.70	7.53	7.68	7.91	8.14	7.89	**8.05**	8.29	8.54	8.19	8.36	8.61	8.88	8.45	8.62	8.89	9.17
		Amps	18.1	18.5	19.0	19.6	19.4	19.8	20.4	21.0	20.8	21.3	21.9	22.7	22.1	**22.6**	23.3	24.1	23.4	23.9	24.6	25.5	24.6	25.2	26.0	26.9
		HI PR	218	235	248	259	245	264	278	290	279	300	317	330	317	**342**	361	376	357	384	406	423	395	425	448	468
		LO PR	101	108	117	125	107	114	124	132	111	118	129	137	117	**124**	135	144	122	130	142	151	126	134	147	156
	3021	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	0.76	0.68	0.52	0.33	0.79	0.71	0.54	0.35	0.81	0.73	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	20	18	15	10	20	18	15	10	20	18	15	10	20	**19**	15	11	20	18	15	10	19	17	14	10
		kW	6.82	6.95	7.14	7.35	7.29	7.43	7.65	7.87	7.70	7.86	8.09	8.34	8.07	**8.23**	8.48	8.74	8.38	8.55	8.82	9.09	8.65	8.83	9.10	9.39
		Amps	18.5	18.9	19.5	20.1	19.9	20.3	20.9	21.6	21.4	21.8	22.5	23.2	22.7	**23.2**	23.9	24.7	24.0	24.5	25.3	26.1	25.3	25.9	26.7	27.6
		HI PR	225	242	256	267	253	272	287	299	287	309	326	341	327	**352**	372	388	368	396	418	436	407	438	462	482
		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
	3375	MBh	86.4	89.0	96.3	103.4	84.4	86.9	94.1	101.0	82.4	84.8	91.8	98.6	80.4	**82.8**	89.6	96.2	76.4	78.6	85.1	91.3	70.7	72.8	78.8	84.6
		S/T	0.80	0.71	0.54	0.35	0.83	0.74	0.56	0.36	0.85	0.76	0.57	0.37	0.88	**0.78**	0.59	0.38	0.91	0.81	0.62	0.40	0.92	0.82	0.62	0.40
		ΔT	19	17	14	10	19	18	14	10	19	18	14	10	19	**18**	14	10	19	17	14	10	18	16	13	9
		kW	6.85	6.98	7.18	7.39	7.32	7.47	7.69	7.92	7.74	7.90	8.13	8.38	8.11	**8.28**	8.53	8.79	8.43	8.60	8.86	9.14	8.70	8.88	9.15	9.44
		Amps	18.6	19.0	19.6	20.2	20.0	20.4	21.0	21.7	21.5	22.0	22.6	23.4	22.8	**23.3**	24.0	24.8	24.1	24.7	25.4	26.3	25.4	26.0	26.8	27.7
		HI PR	227	244	258	269	254	274	289	302	289	311	329	343	330	**355**	374	391	371	399	421	439	410	441	465	485
		LO PR	105	112	122	130	111	118	129	137	115	123	134	143	121	**129**	141	150	127	135	147	157	131	140	152	162

IDB: Entering Indoor Dry Bulb Temperature

Shaded area reflects ACCA (TVA) conditions

Amps = outdoor unit amps (comp.+fan)

High and low pressures are measured at the liquid and suction service valves.

kW = total system power

EXPANDED COOLING DATA — DX11SA0903 / (2)CA*F3642*6D*+TXV (CONT.)

			OUTDOOR AMBIENT TEMPERATURE																							
			65ºF				75ºF				85ºF				95ºF				105ºF				115ºF			
			ENTERING INDOOR WET BULB TEMPERATURE																							
IDB	AIRFLOW		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	2625	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	0.81	0.76	0.62	0.46	0.84	0.79	0.64	0.48	0.86	0.81	0.66	0.49	0.89	0.83	0.68	0.51	0.92	0.86	0.70	0.53	0.93	0.87	0.71	0.53
		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	6.72	6.85	7.04	7.24	7.18	7.32	7.53	7.75	7.59	7.74	7.97	8.21	7.95	8.11	8.35	8.61	8.25	8.42	8.68	8.95	8.52	8.69	8.96	9.24
		Amps	18.2	18.6	19.2	19.8	19.5	19.9	20.5	21.2	21.0	21.5	22.1	22.9	22.3	22.8	23.5	24.3	23.6	24.1	24.8	25.7	24.9	25.4	26.2	27.1
		HI PR	221	237	251	261	248	266	281	293	281	303	320	334	321	345	364	380	361	388	410	427	399	429	453	472
		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
	3021	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	0.84	0.79	0.64	0.48	0.87	0.81	0.66	0.50	0.89	0.84	0.68	0.51	0.92	0.86	**0.70**	0.52	0.95	0.90	0.73	0.54	0.96	0.90	0.73	0.55
		ΔT	22	21	18	15	22	21	19	15	22	21	19	15	23	22	**19**	15	22	21	19	15	21	20	17	14
		kW	6.87	7.00	7.20	7.41	7.34	7.49	7.70	7.93	7.76	7.92	8.15	8.40	8.13	8.30	**8.55**	8.81	8.45	8.62	8.88	9.16	8.72	8.90	9.17	9.46
		Amps	18.7	19.1	19.6	20.3	20.0	20.4	21.0	21.7	21.5	22.0	22.7	23.4	22.9	23.4	**24.1**	24.9	24.2	24.7	25.5	26.4	25.5	26.1	26.9	27.8
		HI PR	227	245	258	270	255	275	290	302	290	312	330	344	331	356	**376**	392	372	400	423	441	411	442	467	487
		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
	3375	MBh	88.0	89.9	96.0	102.6	85.9	87.8	93.8	100.3	83.9	85.7	91.6	97.9	81.8	83.6	89.3	95.5	77.7	79.4	84.9	90.7	72.0	73.6	78.6	84.0
		S/T	0.88	0.82	0.67	0.50	0.91	0.85	0.69	0.52	0.93	0.87	0.71	0.53	0.96	0.90	0.73	0.55	1.00	0.93	0.76	0.57	1.00	0.94	0.77	0.57
		ΔT	21	20	17	14	21	20	18	14	21	20	18	14	21	21	18	14	21	20	18	14	20	19	16	13
		kW	6.90	7.03	7.23	7.44	7.38	7.52	7.74	7.98	7.80	7.96	8.20	8.45	8.18	8.34	8.59	8.86	8.49	8.67	8.93	9.21	8.77	8.95	9.23	9.52
		Amps	18.8	19.2	19.7	20.4	20.1	20.6	21.2	21.9	21.7	22.1	22.8	23.6	23.0	23.5	24.2	25.1	24.3	24.9	25.6	26.5	25.7	26.2	27.0	28.0
		HI PR	229	246	260	271	257	277	292	305	292	314	332	346	333	358	378	394	374	403	426	444	414	445	470	490
		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
85	2625	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	0.85	0.82	0.74	0.60	0.88	0.85	0.76	0.62	0.90	0.87	0.78	0.64	0.93	0.90	0.81	0.66	0.96	0.93	0.84	0.68	0.97	0.94	0.85	0.69
		ΔT	24	24	22	19	24	24	23	20	24	24	23	20	25	24	23	20	24	24	23	20	23	22	21	18
		kW	6.77	6.89	7.09	7.29	7.23	7.37	7.59	7.81	7.64	7.80	8.03	8.27	8.01	8.17	8.41	8.67	8.32	8.49	8.74	9.02	8.58	8.76	9.03	9.31
		Amps	18.4	18.8	19.3	19.9	19.7	20.1	20.7	21.4	21.2	21.6	22.3	23.0	22.5	23.0	23.7	24.5	23.8	24.3	25.1	25.9	25.1	25.6	26.4	27.3
		HI PR	223	240	253	264	250	269	284	296	284	306	323	337	324	348	368	384	364	392	414	432	403	433	457	477
		LO PR	103	110	120	128	109	116	127	135	113	120	132	140	119	127	138	147	125	133	145	154	129	137	150	159
	3021	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	0.88	0.85	0.77	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	0.97	0.87	0.71	1.00	0.97	0.88	0.71
		ΔT	24	23	22	19	24	23	22	19	24	24	22	19	24	24	22	19	24	23	22	19	22	22	21	18
		kW	6.91	7.05	7.25	7.46	7.40	7.54	7.76	7.99	7.82	7.98	8.21	8.46	8.19	8.36	8.61	8.88	8.51	8.69	8.95	9.23	8.79	8.97	9.25	9.54
		Amps	18.8	19.2	19.8	20.4	20.2	20.6	21.2	21.9	21.7	22.2	22.9	23.6	23.1	23.6	24.3	25.1	24.4	24.9	25.7	26.6	25.7	26.3	27.1	28.1
		HI PR	230	247	261	272	258	277	293	305	293	315	333	347	334	359	379	396	376	404	427	445	415	447	472	492
		LO PR	106	113	123	131	112	119	130	139	117	124	136	144	123	130	142	152	129	137	149	159	133	141	154	164
	3375	MBh	89.5	91.2	95.5	101.9	87.4	89.1	93.3	99.6	85.3	87.0	91.1	97.2	83.2	84.9	88.9	94.8	79.1	80.6	84.4	90.1	73.3	74.7	78.2	83.4
		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	0.97	0.88	0.71	1.00	1.00	0.91	0.74	1.00	1.00	0.92	0.74
		ΔT	22	22	21	18	23	22	21	18	23	22	21	18	23	22	21	18	22	22	21	18	20	20	20	17
		kW	6.95	7.08	7.29	7.50	7.43	7.58	7.80	8.04	7.86	8.02	8.26	8.51	8.24	8.41	8.66	8.93	8.56	8.73	9.00	9.28	8.84	9.02	9.30	9.59
		Amps	18.9	19.3	19.9	20.6	20.3	20.7	21.3	22.0	21.8	22.3	23.0	23.8	23.2	23.7	24.4	25.3	24.5	25.1	25.9	26.8	25.9	26.5	27.3	28.2
		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	124	132	113	120	131	140	118	125	137	145	123	131	143	153	129	138	150	160	134	142	155	166

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

Shaded area reflects AHRI conditions

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

EXPANDED COOLING DATA — DX11SA0904 / (2)CA*F3743*6D*+TXV

			OUTDOOR AMBIENT TEMPERATURE																							
			65ºF				75ºF				85ºF				95ºF				105ºF				115ºF			
			ENTERING INDOOR WET BULB TEMPERATURE																							
IDB	AIRFLOW		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	2625	MBh	79.0	81.9	89.7	-	77.2	80.0	87.7	-	75.4	78.1	85.6	-	73.5	76.2	83.5	-	69.8	72.4	79.3	-	64.7	67.1	73.5	-
		S/T	0.65	0.54	0.38	-	0.67	0.56	0.39	-	0.69	0.58	0.40	-	0.71	0.59	0.41	-	0.74	0.62	0.43	-	0.74	0.62	0.43	-
		ΔT	18	16	12	-	18	16	12	-	18	16	12	-	18	16	12	-	18	16	12	-	17	15	11	-
		kW	5.46	5.58	5.77	-	5.91	6.05	6.25	-	6.31	6.46	6.68	-	6.66	6.82	7.05	-	6.96	7.12	7.37	-	7.22	7.39	7.65	-
		Amps	23.7	24.0	24.5	-	24.9	25.3	25.9	-	26.3	26.8	27.4	-	27.6	28.1	28.7	-	28.8	29.3	30.1	-	30.1	30.6	31.4	-
		HI PR	216	233	246	-	243	261	276	-	276	297	313	-	314	338	357	-	353	380	402	-	391	420	444	-
		LO PR	116	123	135	-	122	130	142	-	127	135	148	-	134	142	155	-	140	149	163	-	145	154	168	-
	3032	MBh	85.6	88.7	97.2	-	83.6	86.7	95.0	-	81.6	84.6	92.7	-	79.7	82.6	90.5	-	75.7	78.4	85.9	-	70.1	72.6	79.6	-
		S/T	0.67	0.56	0.39	-	0.70	0.58	0.40	-	0.71	0.60	0.41	-	0.74	0.62	0.43	-	0.77	0.64	0.44	-	0.77	0.64	0.45	-
		ΔT	17	15	11	-	18	15	12	-	18	15	12	-	18	15	12	-	18	15	12	-	16	14	11	-
		kW	5.60	5.73	5.93	-	6.07	6.21	6.42	-	6.48	6.63	6.86	-	6.84	7.00	7.25	-	7.15	7.32	7.57	-	7.41	7.59	7.86	-
		Amps	24.1	24.5	25.0	-	25.4	25.8	26.4	-	26.9	27.3	27.9	-	28.1	28.6	29.3	-	29.4	29.9	30.7	-	30.7	31.2	32.0	-
		HI PR	223	240	253	-	250	269	284	-	284	306	323	-	324	349	368	-	364	392	414	-	403	433	458	-
		LO PR	119	127	139	-	126	134	147	-	131	140	152	-	138	147	160	-	144	154	168	-	149	159	173	-
	3375	MBh	86.9	90.1	98.7	-	84.9	88.0	96.4	-	82.9	85.9	94.1	-	80.8	83.8	91.8	-	76.8	79.6	87.2	-	71.1	73.7	80.8	-
		S/T	0.70	0.59	0.41	-	0.73	0.61	0.42	-	0.75	0.62	0.43	-	0.77	0.64	0.45	-	0.80	0.67	0.46	-	0.81	0.67	0.47	-
		ΔT	17	14	11	-	17	15	11	-	17	15	11	-	17	15	11	-	17	14	11	-	16	14	10	-
		kW	5.64	5.77	5.96	-	6.11	6.25	6.46	-	6.52	6.67	6.90	-	6.88	7.05	7.29	-	7.19	7.36	7.62	-	7.46	7.64	7.91	-
		Amps	24.2	24.6	25.1	-	25.5	25.9	26.5	-	27.0	27.4	28.1	-	28.3	28.8	29.4	-	29.6	30.1	30.8	-	30.8	31.4	32.2	-
		HI PR	224	242	255	-	252	271	286	-	286	308	325	-	326	351	371	-	367	395	417	-	405	436	461	-
		LO PR	120	128	140	-	127	135	148	-	132	141	153	-	139	148	161	-	145	155	169	-	150	160	175	-
75	2625	MBh	80.4	82.7	89.6	96.1	78.5	80.8	87.5	93.9	76.6	78.9	85.4	91.7	74.8	**77.0**	83.3	89.4	71.0	73.1	79.2	85.0	65.8	67.7	73.3	78.7
		S/T	0.74	0.66	0.50	0.32	0.76	0.68	0.52	0.33	0.78	0.70	0.53	0.34	0.81	**0.72**	0.55	0.35	0.84	0.75	0.57	0.37	0.85	0.76	0.57	0.37
		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	5.51	5.63	5.82	6.02	5.96	6.10	6.31	6.53	6.36	6.51	6.74	6.98	6.72	**6.88**	7.12	7.37	7.02	7.19	7.44	7.70	7.28	7.45	7.72	7.99
		Amps	23.8	24.2	24.7	25.3	25.1	25.5	26.0	26.7	26.5	27.0	27.6	28.3	27.8	**28.3**	28.9	29.7	29.0	29.5	30.3	31.1	30.3	30.8	31.6	32.5
		HI PR	218	235	248	259	245	264	278	290	279	300	317	330	317	**342**	361	376	357	384	406	423	395	425	448	468
		LO PR	117	125	136	145	124	132	144	153	129	137	149	159	135	**144**	157	167	142	151	164	175	146	156	170	181
	3032	MBh	87.1	89.7	97.0	104.1	85.1	87.6	94.8	101.7	83.0	85.5	92.5	99.3	81.0	**83.4**	90.3	96.9	77.0	79.2	85.8	92.0	71.3	73.4	79.4	85.3
		S/T	0.76	0.68	0.52	0.33	0.79	0.71	0.54	0.35	0.81	0.73	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	20	19	15	11	20	19	15	11	20	19	15	11	21	**19**	16	11	20	19	15	11	19	17	14	10
		kW	5.65	5.78	5.98	6.19	6.12	6.26	6.48	6.71	6.54	6.69	6.92	7.17	6.90	**7.07**	7.31	7.57	7.21	7.38	7.64	7.92	7.48	7.66	7.93	8.22
		Amps	24.2	24.6	25.2	25.8	25.5	25.9	26.5	27.2	27.0	27.5	28.1	28.9	28.3	**28.8**	29.5	30.3	29.6	30.2	30.9	31.8	30.9	31.5	32.3	33.2
		HI PR	225	242	256	267	253	272	287	299	287	309	326	341	327	**352**	372	388	368	396	418	436	407	438	462	482
		LO PR	121	128	140	149	128	136	148	158	133	141	154	164	139	**148**	162	172	146	155	169	180	151	161	175	187
	3375	MBh	88.4	91.0	98.5	105.7	86.3	88.9	96.2	103.3	84.3	86.8	93.9	100.8	82.2	**84.6**	91.6	98.3	78.1	80.4	87.0	93.4	72.3	74.5	80.6	86.5
		S/T	0.80	0.71	0.54	0.35	0.83	0.74	0.56	0.36	0.85	0.76	0.57	0.37	0.88	**0.78**	0.59	0.38	0.91	0.81	0.62	0.40	0.92	0.82	0.62	0.40
		ΔT	19	18	14	10	19	18	15	10	19	18	15	10	20	**18**	15	10	19	18	15	10	18	17	14	9
		kW	5.69	5.82	6.01	6.22	6.16	6.30	6.52	6.75	6.58	6.73	6.96	7.21	6.95	**7.11**	7.36	7.62	7.26	7.43	7.69	7.97	7.53	7.71	7.98	8.27
		Amps	24.3	24.7	25.3	25.9	25.6	26.1	26.7	27.3	27.2	27.6	28.3	29.0	28.5	**29.0**	29.6	30.5	29.8	30.3	31.0	31.9	31.1	31.6	32.4	33.3
		HI PR	227	244	258	269	254	274	289	302	289	311	329	343	330	**355**	374	391	371	399	421	439	410	441	465	485
		LO PR	122	129	141	150	128	137	149	159	133	142	155	165	140	**149**	163	173	147	156	171	182	152	162	176	188

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 (comp.+fan)

kW = Total system power

			OUTDOOR AMBIENT TEMPERATURE																							
			65ºF				75ºF				85ºF				95ºF				105ºF				115ºF			
			ENTERING INDOOR WET BULB TEMPERATURE																							
IDB	AIRFLOW		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	2625	MBh	81.8	83.6	89.3	95.5	79.9	81.6	87.2	93.2	78.0	79.7	85.1	91.0	76.1	77.8	83.1	88.8	72.3	73.9	78.9	84.4	67.0	68.4	73.1	78.1
		S/T	0.81	0.76	0.62	0.46	0.84	0.79	0.64	0.48	0.86	0.81	0.66	0.49	0.89	0.83	0.68	0.51	0.92	0.86	0.70	0.53	0.93	0.87	0.71	0.53
		ΔT	23	22	19	15	23	22	20	16	23	22	20	16	24	23	20	16	23	22	19	16	22	21	18	14
		kW	5.55	5.68	5.87	6.08	6.01	6.15	6.37	6.59	6.42	6.57	6.80	7.04	6.78	6.94	7.18	7.44	7.08	7.25	7.51	7.77	7.35	7.52	7.79	8.07
		Amps	23.9	24.3	24.8	25.5	25.2	25.6	26.2	26.9	26.7	27.1	27.8	28.5	28.0	28.4	29.1	29.9	29.2	29.7	30.5	31.3	30.5	31.0	31.8	32.7
		HI PR	221	237	251	261	248	266	281	293	281	303	320	334	321	345	364	380	361	388	410	427	399	429	453	472
		LO PR	118	126	137	146	125	133	145	155	130	138	151	161	136	145	158	169	143	152	166	177	148	157	172	183
	3032	MBh	88.6	90.6	96.8	103.4	86.6	88.5	94.5	101.0	84.5	86.3	92.3	98.6	82.4	84.2	**90.0**	96.2	78.3	80.0	85.5	91.4	72.5	74.1	79.2	84.7
		S/T	0.84	0.79	0.64	0.48	0.87	0.81	0.66	0.50	0.89	0.84	0.68	0.51	0.92	0.86	**0.70**	0.52	0.95	0.90	0.73	0.54	0.96	0.90	0.73	0.55
		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	5.70	5.83	6.03	6.24	6.18	6.32	6.54	6.77	6.59	6.75	6.98	7.23	6.96	7.13	**7.38**	7.64	7.28	7.45	7.71	7.99	7.55	7.73	8.00	8.29
		Amps	24.4	24.8	25.3	25.9	25.7	26.1	26.7	27.4	27.2	27.7	28.3	29.1	28.5	29.0	**29.7**	30.5	29.8	30.4	31.1	32.0	31.1	31.7	32.5	33.4
		HI PR	227	245	258	270	255	275	290	302	290	312	330	344	331	356	**376**	392	372	400	423	441	411	442	467	487
		LO PR	122	130	142	151	129	137	150	159	134	142	155	166	141	150	**163**	174	147	157	171	182	152	162	177	189
	3375	MBh	90.0	91.9	98.2	105.0	87.9	89.8	95.9	102.5	85.8	87.6	93.6	100.1	83.7	85.5	91.4	97.7	79.5	81.2	86.8	92.8	73.6	75.2	80.4	85.9
		S/T	0.88	0.82	0.67	0.50	0.91	0.85	0.69	0.52	0.93	0.87	0.71	0.53	0.96	0.90	0.73	0.55	1.00	0.93	0.76	0.57	1.00	0.94	0.77	0.57
		ΔT	21	21	18	14	22	21	18	14	22	21	18	14	22	21	18	15	22	21	18	14	20	19	17	13
		kW	5.74	5.87	6.07	6.28	6.21	6.36	6.58	6.81	6.64	6.79	7.03	7.28	7.01	7.17	7.42	7.69	7.32	7.50	7.76	8.04	7.60	7.78	8.05	8.34
		Amps	24.5	24.9	25.4	26.1	25.8	26.2	26.8	27.5	27.3	27.8	28.4	29.2	28.6	29.1	29.8	30.7	30.0	30.5	31.3	32.1	31.3	31.8	32.6	33.6
		HI PR	229	246	260	271	257	277	292	305	292	314	332	346	333	358	378	394	374	403	426	444	414	445	470	490
		LO PR	123	131	143	152	130	138	151	160	135	143	157	167	142	151	164	175	148	158	172	184	153	163	178	190
85	2625	MBh	83.2	84.8	88.9	94.8	81.3	82.9	86.8	92.6	79.4	80.9	84.7	90.4	77.4	78.9	82.7	88.2	73.6	75.0	78.5	83.8	68.1	69.4	72.7	77.6
		S/T	0.85	0.82	0.74	0.60	0.88	0.85	0.76	0.62	0.90	0.87	0.78	0.64	0.93	0.90	0.81	0.66	0.96	0.93	0.84	0.68	0.97	0.94	0.85	0.69
		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	5.60	5.73	5.92	6.13	6.07	6.21	6.42	6.65	6.48	6.63	6.86	7.10	6.84	7.00	7.24	7.50	7.15	7.32	7.57	7.84	7.41	7.59	7.86	8.14
		Amps	24.1	24.5	25.0	25.6	25.4	25.8	26.4	27.0	26.9	27.3	27.9	28.7	28.1	28.6	29.3	30.1	29.4	29.9	30.7	31.5	30.7	31.2	32.0	32.9
		HI PR	223	240	253	264	250	269	284	296	284	306	323	337	324	348	368	384	364	392	414	432	403	433	457	477
		LO PR	119	127	139	148	126	134	147	156	131	140	152	162	138	147	160	170	144	154	168	179	149	159	173	185
	3032	MBh	90.2	91.9	96.3	102.7	88.1	89.8	94.0	100.3	86.0	87.6	91.8	97.9	83.9	85.5	89.6	95.5	79.7	81.2	85.1	90.8	73.8	75.2	78.8	84.1
		S/T	0.88	0.85	0.77	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	0.97	0.87	0.71	1.00	0.97	0.88	0.71
		ΔT	24	24	22	19	24	24	23	20	24	24	23	20	25	24	23	20	24	24	22	19	22	22	21	18
		kW	5.75	5.88	6.08	6.29	6.23	6.37	6.59	6.83	6.65	6.81	7.05	7.30	7.03	7.19	7.44	7.71	7.34	7.52	7.78	8.06	7.62	7.80	8.07	8.36
		Amps	24.5	24.9	25.5	26.1	25.8	26.3	26.9	27.6	27.4	27.8	28.5	29.3	28.7	29.2	29.9	30.7	30.0	30.6	31.3	32.2	31.3	31.9	32.7	33.6
		HI PR	230	247	261	272	258	277	293	305	293	315	333	347	334	359	379	396	376	404	427	445	415	447	472	492
		LO PR	123	131	143	152	130	138	151	161	135	144	157	167	142	151	165	176	149	158	173	184	154	164	179	190
	3375	MBh	91.5	93.3	97.7	104.2	89.4	91.1	95.4	101.8	87.3	89.0	93.2	99.4	85.1	86.8	90.9	97.0	80.9	82.4	86.3	92.1	74.9	76.4	80.0	85.3
		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	0.97	0.88	0.71	1.00	1.00	0.91	0.74	1.00	1.00	0.92	0.74
		ΔT	23	23	21	18	23	23	22	19	23	23	22	19	23	23	22	19	22	22	21	19	20	21	20	17
		kW	5.79	5.92	6.12	6.33	6.27	6.41	6.63	6.87	6.69	6.85	7.09	7.34	7.07	7.24	7.49	7.76	7.39	7.56	7.83	8.11	7.66	7.85	8.13	8.42
		Amps	24.6	25.0	25.6	26.2	26.0	26.4	27.0	27.7	27.5	28.0	28.6	29.4	28.8	29.3	30.0	30.9	30.2	30.7	31.5	32.4	31.5	32.1	32.9	33.8
		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	124	132	144	153	131	139	152	162	136	145	158	168	143	152	166	177	150	159	174	185	155	165	180	192

IDB: Entering Indoor Dry Bulb Temperature

High and low pressures are measured at the liquid and suction service valves.

Shaded area reflects AHRI conditions

Amps = outdoor unit amps (comp.+fan)

kW = Total system power

EXPANDED COOLING DATA — DX11SA1203 / (2)CA*F4860*6D*+TXV

			OUTDOOR AMBIENT TEMPERATURE																							
			65ºF				75ºF				85ºF				95ºF				105ºF				115ºF			
			ENTERING INDOOR WET BULB TEMPERATURE																							
IDB	AIRFLOW		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	3063	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	-
		S/T	0.63	0.52	0.36	-	0.65	0.54	0.38	-	0.67	0.56	0.39	-	0.69	0.57	0.40	-	0.71	0.60	0.41	-	0.72	0.60	0.42	-
		ΔT	19	16	12	-	19	16	13	-	19	17	13	-	19	17	13	-	19	16	12	-	18	15	12	-
		kW	6.80	6.96	7.20	-	7.37	7.55	7.81	-	7.88	8.06	8.35	-	8.32	8.52	8.82	-	8.70	8.91	9.23	-	9.03	9.25	9.58	-
		Amps	22.2	22.7	23.4	-	23.8	24.4	25.1	-	25.8	26.3	27.2	-	27.4	28.0	28.9	-	29.1	29.7	30.7	-	30.7	31.4	32.4	-
		HI PR	231	249	263	-	260	280	295	-	295	318	336	-	336	362	382	-	379	407	430	-	418	450	475	-
		LO PR	95	101	110	-	100	106	116	-	104	111	121	-	109	116	127	-	114	122	133	-	118	126	137	-
	3529	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	-
		S/T	0.65	0.54	0.38	-	0.67	0.56	0.39	-	0.69	0.58	0.40	-	0.71	0.60	0.41	-	0.74	0.62	0.43	-	0.75	0.62	0.43	-
		ΔT	18	16	12	-	19	16	12	-	19	16	12	-	19	16	12	-	18	16	12	-	17	15	11	-
		kW	6.98	7.15	7.39	-	7.57	7.75	8.02	-	8.09	8.29	8.58	-	8.55	8.76	9.07	-	8.94	9.16	9.49	-	9.28	9.51	9.85	-
		Amps	22.8	23.3	24.0	-	24.5	25.0	25.8	-	26.4	27.0	27.9	-	28.1	28.8	29.7	-	29.8	30.5	31.5	-	31.5	32.2	33.3	-
		HI PR	239	257	271	-	268	288	304	-	305	328	346	-	347	373	394	-	390	420	443	-	431	464	490	-
		LO PR	98	104	113	-	103	110	120	-	107	114	124	-	113	120	131	-	118	125	137	-	122	130	142	-
	3938	MBh	110.1	114.1	125.0	-	107.5	111.4	122.1	-	105.0	108.8	119.2	-	102.4	106.1	116.3	-	97.3	100.8	110.5	-	90.1	93.4	102.3	-
		S/T	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	0.64	0.45	-	0.78	0.65	0.45	-
		ΔT	17	15	11	-	18	15	12	-	18	15	12	-	18	15	12	-	18	15	12	-	16	14	11	-
		kW	7.03	7.19	7.44	-	7.62	7.80	8.07	-	8.14	8.34	8.63	-	8.61	8.81	9.13	-	9.00	9.22	9.55	-	9.34	9.57	9.91	-
		Amps	22.9	23.4	24.1	-	24.6	25.2	25.9	-	26.6	27.2	28.0	-	28.3	29.0	29.9	-	30.0	30.7	31.7	-	31.7	32.4	33.5	-
		HI PR	240	259	273	-	270	290	306	-	307	330	348	-	349	376	397	-	393	423	447	-	434	467	493	-
		LO PR	98	105	114	-	104	110	121	-	108	115	125	-	113	121	132	-	119	126	138	-	123	131	143	-
75	3063	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	0.71	0.64	0.48	0.31	0.74	0.66	0.50	0.32	0.76	0.68	0.51	0.33	0.78	**0.70**	0.53	0.34	0.81	0.72	0.55	0.35	0.82	0.73	0.55	0.36
		ΔT	22	20	16	11	22	20	17	11	22	20	17	11	22	**20**	17	12	22	20	17	11	20	19	15	11
		kW	6.86	7.02	7.26	7.52	7.44	7.61	7.88	8.16	7.95	8.14	8.42	8.73	8.40	**8.60**	8.90	9.23	8.78	8.99	9.31	9.65	9.11	9.33	9.67	10.02
		Amps	22.4	22.9	23.6	24.4	24.0	24.6	25.3	26.2	26.0	26.6	27.4	28.4	27.6	**28.3**	29.2	30.2	29.3	30.0	30.9	32.0	31.0	31.7	32.7	33.9
		HI PR	234	252	266	277	262	282	298	311	298	321	339	354	340	**366**	386	403	382	411	435	453	422	455	480	501
		LO PR	96	102	111	118	101	107	117	125	105	112	122	130	110	**117**	128	136	116	123	134	143	120	127	139	148
	3529	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	0.74	0.66	0.50	0.32	0.77	0.68	0.52	0.33	0.78	0.70	0.53	0.34	0.81	**0.72**	0.55	0.35	0.84	0.75	0.57	0.37	0.85	0.76	0.57	0.37
		ΔT	21	20	16	11	21	20	16	11	21	20	16	11	22	**20**	16	11	21	20	16	11	20	18	15	10
		kW	7.04	7.21	7.46	7.72	7.64	7.82	8.09	8.38	8.17	8.36	8.66	8.97	8.63	**8.84**	9.15	9.48	9.03	9.24	9.57	9.92	9.37	9.59	9.94	10.30
		Amps	23.0	23.5	24.2	25.0	24.7	25.2	26.0	26.9	26.7	27.3	28.1	29.1	28.4	**29.0**	29.9	31.0	30.1	30.8	31.8	32.9	31.8	32.5	33.6	34.8
		HI PR	241	259	274	286	271	291	307	321	308	331	350	365	350	**377**	398	415	394	424	448	467	436	469	495	516
		LO PR	99	105	115	122	104	111	121	129	108	115	126	134	114	**121**	132	141	119	127	138	147	123	131	143	152
	3938	MBh	111.9	115.3	124.8	133.9	109.3	112.6	121.9	130.8	106.7	109.9	119.0	127.7	104.1	**107.2**	116.1	124.6	98.9	101.9	110.3	118.3	91.6	94.4	102.1	109.6
		S/T	0.77	0.69	0.52	0.34	0.80	0.71	0.54	0.35	0.82	0.73	0.55	0.36	0.85	**0.76**	0.57	0.37	0.88	0.79	0.59	0.38	0.89	0.79	0.60	0.39
		ΔT	20	19	15	10	20	19	15	11	20	19	15	11	21	**19**	16	11	20	19	15	11	19	17	14	10
		kW	7.09	7.25	7.50	7.77	7.69	7.87	8.15	8.44	8.22	8.41	8.71	9.02	8.69	**8.89**	9.21	9.54	9.08	9.30	9.63	9.98	9.43	9.65	10.00	10.37
		Amps	23.1	23.6	24.3	25.2	24.8	25.4	26.2	27.1	26.8	27.4	28.3	29.3	28.6	**29.2**	30.1	31.2	30.3	31.0	32.0	33.1	32.0	32.7	33.8	35.0
		HI PR	243	261	276	288	272	293	310	323	310	333	352	367	353	**380**	401	418	397	427	451	470	439	472	498	520
		LO PR	99	106	115	123	105	112	122	130	109	116	127	135	115	**122**	133	142	120	128	139	148	124	132	144	154

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 (comp.+fan)
kW = Total system power

EXPANDED COOLING DATA — DX11SA1203 / (2)CA*F486O*6D*+TXV (CONT.)

IDB	AIRFLOW		OUTDOOR AMBIENT TEMPERATURE 65ºF ENTERING INDOOR WET BULB TEMPERATURE 59	63	67	71	75ºF 59	63	67	71	85ºF 59	63	67	71	95ºF 59	63	67	71	105ºF 59	63	67	71	115ºF 59	63	67	71
80	3063	MBh	103.6	105.9	113.1	120.9	101.2	108.4	110.5	118.1	98.8	100.9	107.9	115.3	96.4	98.5	105.2	112.5	91.6	93.6	100.0	106.9	84.8	86.7	92.6	99.0
		S/T	0.78	0.73	0.60	0.45	0.81	0.76	0.62	0.46	0.83	0.78	0.63	0.47	0.86	0.80	0.65	0.49	0.89	0.83	0.68	0.51	0.90	0.84	0.68	0.51
		ΔT	24	23	20	16	25	24	20	16	25	24	21	16	25	24	21	16	24	23	20	16	23	22	19	15
		kW	6.92	7.08	7.33	7.58	7.50	7.68	7.95	8.23	8.02	8.21	8.50	8.80	8.48	8.68	8.99	9.31	8.86	9.08	9.40	9.74	9.20	9.42	9.75	10.11
		Amps	22.6	23.1	23.8	24.6	24.3	24.8	25.6	26.4	26.2	26.8	27.6	28.6	27.9	28.5	29.4	30.5	29.6	30.3	31.2	32.3	31.2	32.0	33.0	34.2
		HI PR	236	254	268	280	265	285	301	314	301	324	343	357	343	369	390	407	386	416	439	458	427	459	485	506
		LO PR	97	103	112	119	102	109	119	126	106	113	123	131	111	119	129	138	117	124	136	144	121	128	140	149
	3529	MBh	112.3	114.7	122.6	131.0	109.6	112.0	119.7	128.0	107.0	109.4	116.9	124.9	104.4	106.7	**114.0**	121.9	99.2	101.4	108.3	115.8	91.9	93.9	100.3	107.2
		S/T	0.81	0.76	0.62	0.46	0.84	0.79	0.64	0.48	0.86	0.81	0.66	0.49	0.89	0.83	**0.68**	0.51	0.92	0.86	0.70	0.53	0.93	0.87	0.71	0.53
		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	7.11	7.27	7.52	7.79	7.71	7.89	8.17	8.46	8.24	8.44	8.74	9.05	8.71	8.92	**9.24**	9.57	9.11	9.33	9.66	10.01	9.45	9.68	10.03	10.39
		Amps	23.1	23.7	24.4	25.2	24.9	25.4	26.2	27.1	26.9	27.5	28.4	29.4	28.6	29.3	**30.2**	31.3	30.4	31.1	32.1	33.2	32.1	32.8	33.9	35.1
		HI PR	244	262	277	289	273	294	310	324	311	334	353	368	354	381	**402**	419	398	428	452	472	440	473	500	521
		LO PR	100	106	116	123	105	112	122	130	109	116	127	135	115	122	**133**	142	120	128	140	149	125	132	145	154
	3938	MBh	113.9	116.4	124.4	133.0	111.3	113.7	121.5	129.9	108.6	111.0	118.6	126.8	106.0	108.3	115.7	123.7	100.7	102.9	109.9	117.5	93.3	95.3	101.8	108.9
		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	22	22	19	15	23	22	19	15	23	22	19	15	23	22	19	15	23	22	19	15	21	20	18	14
		kW	7.15	7.32	7.57	7.84	7.76	7.94	8.22	8.51	8.29	8.49	8.79	9.11	8.76	8.98	9.29	9.63	9.17	9.39	9.72	10.08	9.51	9.74	10.09	10.46
		Amps	23.3	23.8	24.5	25.4	25.0	25.6	26.4	27.3	27.1	27.7	28.5	29.5	28.8	29.5	30.4	31.5	30.5	31.3	32.3	33.4	32.3	33.0	34.1	35.3
		HI PR	245	264	279	291	275	296	313	326	313	337	356	371	356	384	405	422	401	431	456	475	443	477	503	525
		LO PR	100	107	116	124	106	113	123	131	110	117	128	136	116	123	134	143	121	129	141	150	125	133	146	155
85	3063	MBh	105.4	107.5	112.5	120.1	103.0	105.0	109.9	117.3	100.5	102.5	107.3	114.5	98.1	100.0	104.7	111.7	93.2	95.0	99.5	106.1	86.3	88.0	92.1	98.3
		S/T	0.82	0.79	0.71	0.58	0.85	0.82	0.74	0.60	0.87	0.84	0.76	0.61	0.90	0.87	0.78	0.63	0.93	0.90	0.81	0.66	0.94	0.91	0.82	0.66
		ΔT	26	25	24	21	26	26	24	21	26	26	24	21	26	26	25	21	26	26	24	21	24	24	23	20
		kW	6.98	7.14	7.39	7.65	7.57	7.75	8.02	8.31	8.09	8.28	8.58	8.88	8.55	8.76	9.07	9.39	8.94	9.16	9.48	9.83	9.28	9.50	9.84	10.20
		Amps	22.8	23.3	24.0	24.8	24.5	25.0	25.8	26.7	26.4	27.0	27.9	28.9	28.1	28.8	29.7	30.7	29.8	30.5	31.5	32.6	31.5	32.2	33.3	34.5
		HI PR	239	257	271	283	268	288	304	317	304	328	346	361	347	373	394	411	390	420	443	462	431	464	490	511
		LO PR	98	104	113	121	103	110	120	127	107	114	124	133	113	120	131	139	118	125	137	146	122	130	142	151
	3529	MBh	114.2	116.4	121.9	130.1	111.6	113.7	119.1	127.1	108.9	111.0	116.3	124.0	106.2	108.3	113.4	121.0	100.9	102.9	107.8	115.0	93.5	95.3	99.8	106.5
		S/T	0.85	0.82	0.74	0.60	0.88	0.85	0.77	0.62	0.90	0.87	0.79	0.64	0.93	0.90	0.81	0.66	0.97	0.93	0.84	0.68	0.97	0.94	0.85	0.69
		ΔT	25	25	23	20	26	25	24	21	26	25	24	21	26	25	24	21	25	25	24	20	24	23	22	19
		kW	7.17	7.34	7.59	7.86	7.78	7.96	8.24	8.53	8.31	8.51	8.81	9.13	8.79	9.00	9.32	9.66	9.19	9.41	9.75	10.10	9.54	9.77	10.12	10.49
		Amps	23.3	23.9	24.6	25.4	25.1	25.7	26.5	27.4	27.1	27.7	28.6	29.6	28.9	29.5	30.5	31.6	30.6	31.3	32.3	33.5	32.4	33.1	34.2	35.4
		HI PR	246	265	279	291	276	297	314	327	314	338	357	372	357	385	406	424	402	433	457	477	444	478	505	527
		LO PR	101	107	117	124	106	113	123	131	110	117	128	137	116	123	135	143	122	129	141	150	126	134	146	156
	3938	MBh	115.9	118.2	123.8	132.0	113.2	115.4	120.9	129.0	110.5	112.7	118.0	125.9	107.8	109.9	115.1	122.8	102.4	104.4	109.4	116.7	94.9	96.7	101.3	108.1
		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	24	24	23	20	24	24	22	19	22	22	21	18
		kW	7.21	7.38	7.64	7.91	7.83	8.01	8.29	8.59	8.37	8.57	8.87	9.19	8.84	9.06	9.38	9.72	9.25	9.47	9.81	10.17	9.60	9.83	10.18	10.56
		Amps	23.5	24.0	24.7	25.6	25.2	25.8	26.6	27.5	27.3	27.9	28.8	29.8	29.1	29.7	30.7	31.8	30.8	31.5	32.5	33.7	32.6	33.3	34.4	35.6
		HI PR	248	267	281	294	278	299	316	329	316	340	359	375	360	387	409	427	405	436	460	480	447	482	508	530
		LO PR	101	108	118	125	107	114	124	132	111	118	129	138	117	124	136	144	122	130	142	151	127	135	147	157

IDB: Entering Indoor Dry Bulb Temperature

High and low pressures are measured at the liquid and suction service valves.

Shaded area reflects AHRI conditions

Amps = outdoor unit amps (comp.+fan)

kW = Total system power

EXPANDED COOLING DATA — DX11SA1204 / (2)CA*F4961*6D*+TXV

			OUTDOOR AMBIENT TEMPERATURE																							
			65ºF				75ºF				85ºF				95ºF				105ºF				115ºF			
			ENTERING INDOOR WET BULB TEMPERATURE																							
IDB	AIRFLOW		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	3063	MBh	101.2	104.9	115.0	-	98.9	102.5	112.3	-	96.5	100.0	109.6	-	94.2	97.6	106.9	-	89.5	92.7	101.6	-	82.9	85.9	94.1	-
		S/T	0.63	0.53	0.36	-	0.65	0.54	0.38	-	0.67	0.56	0.39	-	0.69	0.58	0.40	-	0.72	0.60	0.41	-	0.72	0.60	0.42	-
		ΔT	19	17	13	-	19	17	13	-	19	17	13	-	20	17	13	-	19	17	13	-	18	16	12	-
		kW	6.60	6.78	7.05	-	7.25	7.44	7.74	-	7.82	8.03	8.36	-	8.33	8.55	8.90	-	8.76	9.00	9.36	-	9.13	9.38	9.75	-
		Amps	28.1	28.6	29.4	-	29.8	30.4	31.2	-	31.8	32.4	33.2	-	33.5	34.1	35.0	-	35.2	35.9	36.8	-	36.9	37.6	38.6	-
		HI PR	228	245	259	-	256	275	291	-	291	313	331	-	332	357	377	-	373	401	424	-	412	443	468	-
		LO PR	99	105	115	-	105	111	121	-	109	116	126	-	114	121	133	-	120	127	139	-	124	132	144	-
	3438	MBh	106.6	110.4	121.0	-	104.1	107.9	118.2	-	101.6	105.3	115.4	-	99.1	102.7	112.6	-	94.2	97.6	106.9	-	87.2	90.4	99.1	-
		S/T	0.66	0.55	0.38	-	0.68	0.57	0.39	-	0.70	0.58	0.40	-	0.72	0.60	0.42	-	0.75	0.62	0.43	-	0.75	0.63	0.44	-
		ΔT	19	16	12	-	19	16	12	-	19	16	12	-	19	17	13	-	19	16	12	-	18	15	12	-
		kW	6.74	6.92	7.20	-	7.40	7.60	7.90	-	7.98	8.20	8.53	-	8.50	8.73	9.08	-	8.94	9.18	9.55	-	9.32	9.57	9.95	-
		Amps	28.5	29.0	29.8	-	30.3	30.8	31.6	-	32.3	32.9	33.7	-	34.0	34.6	35.6	-	35.7	36.4	37.4	-	37.4	38.2	39.2	-
		HI PR	233	250	265	-	261	281	297	-	297	320	338	-	338	364	384	-	381	410	433	-	421	453	478	-
		LO PR	101	107	117	-	107	113	124	-	111	118	129	-	116	124	135	-	122	130	142	-	126	134	147	-
	3938	MBh	109.8	113.8	124.6	-	107.2	111.1	121.7	-	104.6	108.5	118.8	-	102.1	105.8	115.9	-	97.0	100.5	110.1	-	89.8	93.1	102.0	-
		S/T	0.69	0.58	0.40	-	0.71	0.60	0.41	-	0.73	0.61	0.42	-	0.76	0.63	0.44	-	0.78	0.66	0.45	-	0.79	0.66	0.46	-
		ΔT	18	15	12	-	18	15	12	-	18	15	12	-	18	16	12	-	18	15	12	-	17	14	11	-
		kW	6.80	6.99	7.27	-	7.47	7.68	7.98	-	8.07	8.28	8.62	-	8.59	8.82	9.17	-	9.03	9.28	9.65	-	9.41	9.67	10.05	-
		Amps	28.7	29.2	30.0	-	30.5	31.0	31.8	-	32.5	33.1	34.0	-	34.2	34.9	35.8	-	36.0	36.7	37.7	-	37.7	38.5	39.5	-
		HI PR	235	253	267	-	264	284	300	-	300	323	341	-	342	368	388	-	384	414	437	-	425	457	483	-
		LO PR	102	108	118	-	108	115	125	-	112	119	130	-	118	125	137	-	123	131	143	-	127	136	148	-
75	3063	MBh	102.9	106.0	114.7	123.1	100.5	103.5	112.1	120.3	98.2	101.1	109.4	117.4	95.8	**98.6**	106.7	114.5	91.0	93.7	101.4	108.8	84.3	86.8	93.9	100.8
		S/T	0.72	0.64	0.48	0.31	0.74	0.66	0.50	0.32	0.76	0.68	0.51	0.33	0.78	**0.70**	0.53	0.34	0.81	0.73	0.55	0.35	0.82	0.73	0.56	0.36
		ΔT	22	20	17	12	22	21	17	12	22	21	17	12	23	**21**	17	12	22	20	17	12	21	19	16	11
		kW	6.67	6.85	7.12	7.41	7.32	7.52	7.82	8.14	7.90	8.12	8.44	8.78	8.41	**8.64**	8.99	9.35	8.85	9.09	9.45	9.84	9.23	9.47	9.85	10.25
		Amps	28.3	28.8	29.6	30.4	30.1	30.6	31.4	32.3	32.0	32.6	33.5	34.5	33.7	**34.4**	35.3	36.4	35.5	36.1	37.1	38.3	37.1	37.9	38.9	40.1
		HI PR	230	248	262	273	259	278	294	306	294	316	334	349	335	**360**	381	397	377	405	428	447	416	448	473	493
		LO PR	100	106	116	124	106	112	123	131	110	117	127	136	115	**123**	134	143	121	129	140	149	125	133	145	155
	3438	MBh	108.4	111.6	120.8	129.6	105.8	109.0	118.0	126.6	103.3	106.4	115.1	123.6	100.8	**103.8**	112.3	120.6	95.8	98.6	106.7	114.5	88.7	91.3	98.9	106.1
		S/T	0.75	0.67	0.51	0.33	0.77	0.69	0.52	0.34	0.79	0.71	0.54	0.35	0.82	**0.73**	0.55	0.36	0.85	0.76	0.58	0.37	0.86	0.77	0.58	0.37
		ΔT	22	20	16	11	22	20	17	11	22	20	17	11	22	**20**	17	12	22	20	16	11	20	19	15	11
		kW	6.80	6.99	7.27	7.57	7.48	7.68	7.99	8.31	8.07	8.29	8.62	8.97	8.59	**8.82**	9.17	9.55	9.03	9.28	9.65	10.04	9.42	9.67	10.06	10.46
		Amps	28.7	29.2	30.0	30.8	30.5	31.0	31.8	32.7	32.5	33.1	34.0	35.0	34.2	**34.9**	35.8	36.9	36.0	36.7	37.7	38.9	37.7	38.5	39.5	40.8
		HI PR	235	253	267	279	264	284	300	313	300	323	341	356	342	**368**	388	405	384	414	437	456	425	457	483	504
		LO PR	102	108	118	126	108	115	125	133	112	119	130	139	118	**125**	137	146	123	131	143	152	128	136	148	158
	3938	MBh	111.6	114.9	124.4	133.5	109.0	112.2	121.5	130.4	106.4	109.6	118.6	127.3	103.8	**106.9**	115.7	124.2	98.6	101.6	109.9	118.0	91.4	94.1	101.8	109.3
		S/T	0.78	0.70	0.53	0.34	0.81	0.73	0.55	0.35	0.83	0.74	0.56	0.36	0.86	**0.77**	0.58	0.37	0.89	0.80	0.60	0.39	0.90	0.80	0.61	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	6.87	7.06	7.34	7.64	7.55	7.76	8.07	8.39	8.15	8.37	8.70	9.06	8.68	**8.91**	9.27	9.64	9.12	9.37	9.75	10.14	9.51	9.77	10.16	10.57
		Amps	28.9	29.4	30.2	31.0	30.7	31.3	32.1	33.0	32.7	33.3	34.2	35.2	34.5	**35.2**	36.1	37.2	36.3	37.0	38.0	39.1	38.0	38.8	39.8	41.1
		HI PR	237	256	270	281	266	287	303	316	303	326	344	359	345	**371**	392	409	388	418	441	460	429	462	488	509
		LO PR	103	110	120	127	109	116	126	135	113	120	131	140	119	**126**	138	147	125	132	145	154	129	137	150	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 (comp.+fan)
kW = Total system power

EXPANDED COOLING DATA — DX11SA1204 / (2)CA*F4961*6D*+TXV (CONT.)

			OUTDOOR AMBIENT TEMPERATURE																							
			65ºF				75ºF				85ºF				95ºF				105ºF				115ºF			
			ENTERING INDOOR WET BULB TEMPERATURE																							
IDB	AIRFLOW		59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71
		MBh	104.8	107.1	114.4	122.3	102.3	104.6	111.7	119.4	99.9	102.1	109.1	116.6	97.5	99.6	106.4	113.7	92.6	94.6	101.1	108.1	85.8	87.6	93.6	100.1
		S/T	0.78	0.74	0.60	0.45	0.81	0.76	0.62	0.46	0.83	0.78	0.64	0.48	0.86	0.81	0.66	0.49	0.89	0.84	0.68	0.51	0.90	0.84	0.69	0.51
		ΔT	25	24	21	16	25	24	21	17	25	24	21	17	25	24	21	17	25	24	21	17	23	22	19	15
	3063	kW	6.74	6.92	7.20	7.49	7.40	7.60	7.90	8.22	7.98	8.20	8.53	8.87	8.50	8.73	9.08	9.45	8.94	9.18	9.55	9.94	9.32	9.57	9.95	10.36
		Amps	28.5	29.0	29.8	30.6	30.3	30.8	31.6	32.5	32.3	32.9	33.7	34.7	34.0	34.6	35.6	36.6	35.7	36.4	37.4	38.6	37.4	38.2	39.2	40.4
		HI PR	233	250	265	276	261	281	297	310	297	320	338	352	338	364	384	401	381	410	433	451	421	453	478	498
		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
		MBh	110.3	112.7	120.4	128.7	107.7	110.1	117.6	125.7	105.2	107.5	114.8	122.7	102.6	104.8	**112.0**	119.7	97.5	99.6	106.4	113.7	90.3	92.3	98.6	105.4
		S/T	0.82	0.77	0.63	0.47	0.85	0.80	0.65	0.48	0.87	0.82	0.66	0.50	0.90	0.84	**0.69**	0.51	0.93	0.87	0.71	0.53	0.94	0.88	0.72	0.54
		ΔT	24	23	20	16	24	23	20	16	24	23	20	16	25	24	**21**	16	24	23	20	16	23	22	19	15
80	3438	kW	6.87	7.06	7.34	7.64	7.55	7.76	8.07	8.39	8.15	8.37	8.71	9.06	8.68	8.91	**9.27**	9.64	9.13	9.37	9.75	10.14	9.51	9.77	10.16	10.57
		Amps	28.9	29.4	30.2	31.0	30.7	31.3	32.1	33.0	32.7	33.4	34.2	35.2	34.5	35.2	**36.1**	37.2	36.3	37.0	38.0	39.2	38.0	38.8	39.8	41.1
		HI PR	238	256	270	282	267	287	303	316	303	326	344	359	345	372	**392**	409	388	418	441	460	429	462	488	509
		LO PR	103	110	120	127	109	116	126	135	113	120	131	140	119	126	**138**	147	125	132	145	154	129	137	150	159
		MBh	113.6	116.1	124.0	132.6	111.0	113.4	121.1	129.5	108.3	110.7	118.2	126.4	105.7	108.0	115.4	123.3	100.4	102.6	109.6	117.2	93.0	95.0	101.5	108.5
		S/T	0.86	0.81	0.66	0.49	0.89	0.83	0.68	0.51	0.91	0.86	0.70	0.52	0.94	0.88	0.72	0.54	1.00	0.92	0.75	0.56	1.00	0.92	0.75	0.56
		ΔT	23	22	19	15	23	22	19	15	23	22	19	15	23	22	19	15	23	22	19	15	22	21	18	14
	3938	kW	6.94	7.13	7.42	7.72	7.63	7.83	8.15	8.48	8.23	8.45	8.79	9.15	8.76	9.00	9.36	9.74	9.22	9.47	9.85	10.24	9.61	9.87	10.26	10.68
		Amps	29.1	29.6	30.4	31.3	30.9	31.5	32.3	33.2	33.0	33.6	34.5	35.5	34.7	35.4	36.4	37.5	36.5	37.2	38.3	39.5	38.3	39.1	40.1	41.4
		HI PR	240	258	273	284	269	290	306	319	306	329	348	363	349	375	396	413	392	422	446	465	433	466	493	514
		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	106.6	108.7	113.8	121.4	104.1	106.1	111.2	118.6	101.6	103.6	108.5	115.8	99.2	101.1	105.9	112.9	94.2	96.0	100.6	107.3	87.3	89.0	93.2	99.4
		S/T	0.82	0.79	0.72	0.58	0.85	0.82	0.74	0.60	0.87	0.84	0.76	0.62	0.90	0.87	0.79	0.64	0.94	0.90	0.82	0.66	0.94	0.91	0.82	0.67
		ΔT	26	26	24	21	27	26	25	21	27	26	25	21	27	26	25	22	26	26	25	21	25	24	23	20
	3063	kW	6.80	6.99	7.27	7.56	7.47	7.68	7.98	8.31	8.07	8.28	8.62	8.96	8.59	8.82	9.17	9.54	9.03	9.28	9.65	10.04	9.41	9.67	10.05	10.46
		Amps	28.7	29.2	30.0	30.8	30.5	31.0	31.8	32.7	32.5	33.1	34.0	35.0	34.2	34.9	35.8	36.9	36.0	36.7	37.7	38.8	37.7	38.5	39.5	40.8
		HI PR	235	253	267	279	264	284	300	313	300	323	341	356	342	368	388	405	384	414	437	456	425	457	483	503
		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
		MBh	112.2	114.4	119.8	127.8	109.6	111.7	117.0	124.8	107.0	109.1	114.2	121.9	104.4	106.4	111.4	118.9	99.2	101.1	105.9	112.9	91.9	93.6	98.1	104.6
		S/T	0.86	0.83	0.75	0.61	0.89	0.86	0.78	0.63	0.91	0.88	0.79	0.64	0.94	0.91	0.82	0.67	0.98	0.94	0.85	0.69	0.99	0.95	0.86	0.70
		ΔT	26	25	24	21	26	26	24	21	26	26	24	21	26	26	24	21	26	26	24	21	24	24	23	19
85	3438	kW	6.94	7.13	7.42	7.72	7.63	7.83	8.15	8.48	8.23	8.45	8.79	9.15	8.76	9.00	9.36	9.74	9.22	9.47	9.85	10.24	9.61	9.87	10.26	10.68
		Amps	29.1	29.6	30.4	31.3	30.9	31.5	32.3	33.2	33.0	33.6	34.5	35.5	34.7	35.4	36.4	37.5	36.5	37.2	38.3	39.5	38.3	39.1	40.1	41.4
		HI PR	240	258	273	284	269	290	306	319	306	329	348	363	349	375	396	413	392	422	446	465	433	466	493	514
		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	115.6	117.8	123.4	131.6	112.9	115.1	120.5	128.6	110.2	112.3	117.7	125.5	107.5	109.6	114.8	122.5	102.1	104.1	109.0	116.3	94.6	96.4	101.0	107.8
		S/T	0.90	0.87	0.78	0.64	0.93	0.90	0.81	0.66	0.96	0.92	0.83	0.68	0.99	0.95	0.86	0.70	1.00	0.99	0.89	0.72	1.00	1.00	0.90	0.73
		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
	3938	kW	7.02	7.21	7.49	7.80	7.71	7.91	8.23	8.57	8.32	8.54	8.88	9.24	8.85	9.09	9.46	9.84	9.31	9.56	9.94	10.35	9.71	9.97	10.37	10.78
		Amps	29.3	29.9	30.6	31.5	31.1	31.7	32.5	33.5	33.2	33.8	34.7	35.8	35.0	35.7	36.6	37.8	36.8	37.5	38.6	39.8	38.6	39.3	40.4	41.7
		HI PR	242	261	275	287	272	293	309	322	309	333	351	366	352	379	400	417	396	426	450	470	438	471	497	519
		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	163

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

Shaded area reflects AHRI conditions

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

VICTOR GARCIA AIRE ACONDICIONADO, S.R.L.
RNC: 130[illegible]943
STO. DGO. R.D.

Expanded Cooling Data — Two DX13SA048* / DAT0904*

			Outdoor Ambient Temperature																							
			65ºF				75ºF				85ºF				95ºF				105ºF				115ºF			
			Entering Indoor Wet Bulb Temperature																							
IDB	Airflow		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	3372	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	6.00	6.13	6.32	-	6.45	6.59	6.79	-	6.85	6.99	7.21	-	7.20	7.35	7.59	-	7.49	7.65	7.90	-	7.75	7.92	8.18	-
		Amps	15.2	15.6	16.1	-	16.4	16.8	17.3	-	17.8	18.2	18.7	-	18.9	19.4	20.0	-	20.1	20.6	21.2	-	21.2	21.7	22.4	-
		Hi PR	232	250	264	-	260	280	296	-	296	319	336	-	337	363	383	-	379	408	431	-	419	451	476	-
		Lo PR	106	113	123	-	112	119	130	-	116	124	135	-	122	130	142	-	128	136	149	-	133	141	154	-
	3000	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	5.96	6.08	6.27	-	6.40	6.54	6.74	-	6.79	6.94	7.16	-	7.14	7.29	7.52	-	7.43	7.59	7.84	-	7.68	7.85	8.11	-
		Amps	15.1	15.5	15.9	-	16.3	16.6	17.2	-	17.6	18.0	18.6	-	18.8	19.2	19.8	-	19.9	20.4	21.0	-	21.0	21.5	22.2	-
		Hi PR	230	247	261	-	258	277	293	-	293	315	333	-	334	359	379	-	376	404	427	-	415	446	471	-
		Lo PR	105	112	122	-	111	118	129	-	115	123	134	-	121	129	141	-	127	135	147	-	131	140	152	-
	2629	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	5.82	5.94	6.12	-	6.25	6.38	6.58	-	6.63	6.77	6.98	-	6.97	7.11	7.34	-	7.25	7.41	7.64	-	7.50	7.66	7.91	-
		Amps	14.7	15.1	15.5	-	15.8	16.2	16.7	-	17.1	17.5	18.1	-	18.3	18.7	19.3	-	19.4	19.8	20.5	-	20.5	21.0	21.6	-
		Hi PR	223	240	253	-	250	269	284	-	284	306	323	-	324	348	368	-	364	392	414	-	402	433	457	-
		Lo PR	102	108	118	-	108	114	125	-	112	119	130	-	117	125	136	-	123	131	143	-	127	135	148	-
75	3372	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	6.05	6.18	6.37	6.56	6.50	6.64	6.85	7.07	6.90	7.05	7.27	7.51	7.25	7.41	7.65	7.90	7.55	7.72	7.97	8.23	7.81	7.98	8.24	8.52
		Amps	15.4	15.7	16.2	16.8	16.5	16.9	17.5	18.1	17.9	18.3	18.9	19.6	19.1	19.5	20.2	20.9	20.3	20.7	21.4	22.2	21.4	21.9	22.6	23.5
		Hi 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
		Lo PR	107	114	124	132	113	120	131	140	118	125	137	145	124	131	143	153	129	138	150	160	134	142	156	166
	3000	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	6.01	6.13	6.32	6.51	6.45	6.59	6.79	7.01	6.85	6.99	7.22	7.45	7.20	**7.35**	7.59	7.84	7.49	7.66	7.90	8.16	7.75	7.92	8.18	8.45
		Amps	15.2	15.6	16.1	16.6	16.4	16.8	17.3	17.9	17.8	18.2	18.7	19.4	18.9	**19.4**	20.0	20.7	20.1	20.6	21.2	22.0	21.2	21.7	22.4	23.3
		Hi PR	232	250	264	275	260	280	296	309	296	319	336	351	337	**363**	383	400	379	408	431	450	419	451	476	497
		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
	2629	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	5.87	5.99	6.17	6.36	6.30	6.43	6.63	6.84	6.68	6.83	7.04	7.27	7.02	7.17	7.40	7.64	7.31	7.47	7.71	7.96	7.56	7.72	7.97	8.24
		Amps	14.9	15.2	15.7	16.2	16.0	16.3	16.9	17.5	17.3	17.7	18.2	18.9	18.4	18.8	19.5	20.2	19.6	20.0	20.7	21.4	20.7	21.2	21.8	22.6
		Hi PR	225	242	256	267	253	272	287	299	287	309	326	340	327	352	372	388	368	396	418	436	407	438	462	482
		Lo PR	103	109	119	127	109	116	126	134	113	120	131	140	119	126	138	147	124	132	144	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 ACCA (TVA) conditions

Amps = outdoor unit amps (comp.+fan
kW = Total system powe

Expanded Cooling Data — Two DX13SA048* / DAT0904* (cont.)

			Outdoor Ambient Temperature																							
			65ºF				75ºF				85ºF				95ºF				105ºF				115ºF			
			Entering Indoor Wet Bulb Temperature																							
IDB	Airflow		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	3372	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	6.10	6.22	6.42	6.62	6.56	6.69	6.90	7.12	6.96	7.11	7.33	7.57	7.31	7.47	7.71	7.97	7.62	7.78	8.04	8.30	7.88	8.05	8.31	8.59
		Amps	15.5	15.9	16.3	16.9	16.7	17.1	17.6	18.2	18.1	18.5	19.1	19.8	19.3	19.7	20.3	21.1	20.4	20.9	21.6	22.4	21.6	22.1	22.8	23.7
		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	108	115	126	134	114	122	133	141	119	126	138	147	125	133	145	154	131	139	152	162	135	144	157	167
	3000	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	6.05	6.18	6.37	6.57	6.50	6.64	6.85	7.07	6.90	7.05	7.27	7.51	7.26	7.41	**7.65**	7.90	7.55	7.72	7.97	8.23	7.81	7.98	8.24	8.52
		Amps	15.4	15.7	16.2	16.8	16.6	16.9	17.5	18.1	17.9	18.3	18.9	19.6	19.1	19.5	**20.2**	20.9	20.3	20.7	21.4	22.2	21.4	21.9	22.6	23.5
		Hi PR	234	252	266	278	263	283	299	312	299	322	340	354	341	367	**387**	404	383	412	435	454	423	456	481	502
		Lo PR	107	114	124	133	113	120	131	140	118	125	137	145	124	131	**144**	153	129	138	150	160	134	142	156	166
	2629	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	5.91	6.03	6.22	6.41	6.35	6.48	6.68	6.90	6.74	6.88	7.10	7.33	7.08	7.23	7.46	7.71	7.37	7.53	7.77	8.03	7.62	7.79	8.04	8.31
		Amps	15.0	15.3	15.8	16.3	16.1	16.5	17.0	17.6	17.4	17.8	18.4	19.1	18.6	19.0	19.6	20.3	19.7	20.2	20.8	21.6	20.8	21.3	22.0	22.8
		Hi PR	227	245	258	269	255	274	290	302	290	312	330	344	330	356	375	392	372	400	422	441	411	442	467	487
		Lo PR	104	111	121	129	110	117	128	136	114	121	133	141	120	128	139	148	126	134	146	155	130	138	151	161
85	3372	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	6.15	6.27	6.47	6.67	6.61	6.75	6.96	7.18	7.01	7.16	7.39	7.63	7.37	7.53	7.78	8.03	7.68	7.85	8.10	8.37	7.94	8.12	8.38	8.66
		Amps	15.6	16.0	16.5	17.1	16.8	17.2	17.8	18.4	18.2	18.6	19.2	19.9	19.4	19.9	20.5	21.3	20.6	21.1	21.8	22.6	21.8	22.3	23.1	23.9
		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	109	116	127	135	115	123	134	143	120	128	139	148	126	134	146	156	132	141	153	163	137	145	159	169
	3000	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	6.10	6.22	6.42	6.62	6.56	6.69	6.90	7.12	6.96	7.11	7.33	7.57	7.31	7.47	7.71	7.97	7.62	7.78	8.04	8.30	7.88	8.05	8.31	8.59
		Amps	15.5	15.9	16.3	16.9	16.7	17.1	17.6	18.2	18.1	18.5	19.1	19.8	19.3	19.7	20.3	21.1	20.4	20.9	21.6	22.4	21.6	22.1	22.8	23.7
		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	108	115	126	134	114	122	133	141	119	126	138	147	125	133	145	154	131	139	152	162	135	144	157	167
	2629	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	5.96	6.08	6.27	6.46	6.40	6.53	6.74	6.95	6.79	6.94	7.15	7.39	7.14	7.29	7.52	7.77	7.43	7.59	7.84	8.09	7.68	7.85	8.11	8.37
		Amps	15.1	15.5	15.9	16.5	16.3	16.6	17.2	17.8	17.6	18.0	18.6	19.2	18.7	19.2	19.8	20.5	19.9	20.4	21.0	21.8	21.0	21.5	22.2	23.0
		Hi PR	230	247	261	272	258	277	293	305	293	315	333	347	334	359	379	395	375	404	427	445	415	446	471	492
		Lo PR	105	112	122	130	111	118	129	137	115	123	134	143	121	129	141	150	127	135	147	157	131	140	152	162

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

Shaded area reflects AHRI conditions

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

EXPANDED COOLING DATA — TWO DX13SA060* / DAT1204*

IDB	Airflow		Outdoor Ambient Temperature																							
			65ºF				75ºF				85ºF				95ºF				105ºF				115ºF			
			Entering Indoor Wet Bulb Temperature																							
			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	-
		S/T	0.76	0.64	0.44	-	0.79	0.66	0.46	-	0.81	0.68	0.47	-	0.84	0.70	0.48	-	0.87	0.73	0.50	-	0.88	0.73	0.51	-
		ΔT	17	15	11	-	18	15	12	-	18	15	12	-	18	15	12	-	18	15	12	-	16	14	11	-
		kW	7.95	8.11	8.37	-	8.55	8.74	9.02	-	9.09	9.29	9.59	-	9.56	9.77	10.09	-	9.97	10.19	10.52	-	10.31	10.54	10.89	-
		Amps	21.4	21.9	22.6	-	23.1	23.6	24.4	-	25.0	25.6	26.5	-	26.7	27.4	28.3	-	28.4	29.1	30.1	-	30.1	30.8	31.8	-
		Hi PR	243	261	276	-	272	293	310	-	310	333	352	-	353	380	401	-	397	427	451	-	439	472	498	-
		Lo PR	106	112	123	-	112	119	130	-	116	123	135	-	122	130	142	-	128	136	148	-	132	141	153	-
	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	-
		S/T	0.73	0.61	0.42	-	0.75	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	18	16	12	-	18	16	12	-	18	16	12	-	19	16	12	-	18	16	12	-	17	15	11	-
		kW	7.88	8.05	8.30	-	8.48	8.67	8.94	-	9.02	9.21	9.51	-	9.48	9.69	10.01	-	9.88	10.10	10.44	-	10.23	10.45	10.80	-
		Amps	21.2	21.7	22.4	-	22.9	23.4	24.2	-	24.8	25.4	26.2	-	26.5	27.1	28.0	-	28.1	28.8	29.8	-	29.8	30.5	31.5	-
		Hi PR	240	259	273	-	270	290	307	-	307	330	349	-	349	376	397	-	393	423	447	-	434	467	494	-
		Lo PR	105	111	122	-	111	118	128	-	115	122	133	-	121	128	140	-	126	135	147	-	131	139	152	-
	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	-
		S/T	0.70	0.59	0.41	-	0.73	0.61	0.42	-	0.75	0.62	0.43	-	0.77	0.64	0.45	-	0.80	0.67	0.46	-	0.81	0.67	0.47	-
		ΔT	18	16	12	-	19	16	12	-	19	16	12	-	19	16	12	-	19	16	12	-	17	15	11	-
		kW	7.70	7.86	8.10	-	8.28	8.46	8.72	-	8.80	8.99	9.27	-	9.25	9.45	9.76	-	9.64	9.85	10.17	-	9.97	10.19	10.53	-
		Amps	20.6	21.1	21.8	-	22.3	22.8	23.5	-	24.1	24.7	25.5	-	25.8	26.4	27.2	-	27.4	28.0	29.0	-	29.0	29.7	30.7	-
		Hi PR	233	251	265	-	262	282	297	-	298	320	338	-	339	365	385	-	381	410	433	-	421	453	479	-
		Lo PR	101	108	118	-	107	114	125	-	111	119	129	-	117	125	136	-	123	130	142	-	127	135	147	-
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	0.87	0.78	0.59	0.38	0.90	0.80	0.61	0.39	0.92	0.82	0.62	0.40	0.95	0.85	0.64	0.41	0.99	0.88	0.67	0.43	1.00	0.89	0.67	0.43
		ΔT	20	19	15	11	20	19	15	11	20	19	15	11	21	19	16	11	20	19	15	11	19	17	14	10
		kW	8.01	8.18	8.44	8.71	8.62	8.81	9.09	9.39	9.17	9.36	9.67	9.99	9.64	9.86	10.18	10.52	10.05	10.27	10.61	10.97	10.40	10.63	10.99	11.36
		Amps	21.6	22.1	22.8	23.6	23.3	23.8	24.6	25.5	25.3	25.9	26.7	27.7	27.0	27.6	28.5	29.6	28.7	29.4	30.3	31.5	30.4	31.1	32.1	33.3
		Hi PR	245	264	279	291	275	296	313	326	313	337	356	371	356	384	405	423	401	432	456	475	443	477	504	525
		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
	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	0.83	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**	0.61	0.40	0.94	0.84	0.64	0.41	0.95	0.85	0.64	0.41
		ΔT	21	19	16	11	21	20	16	11	21	20	16	11	21	**20**	16	11	21	19	16	11	20	18	15	10
		kW	7.95	8.11	8.37	8.64	8.55	8.74	9.02	9.31	9.09	9.29	9.59	9.91	9.56	**9.77**	10.09	10.43	9.97	10.19	10.52	10.88	10.31	10.54	10.90	11.26
		Amps	21.4	21.9	22.6	23.4	23.1	23.6	24.4	25.3	25.0	25.6	26.5	27.4	26.7	**27.4**	28.3	29.3	28.4	29.1	30.1	31.2	30.1	30.8	31.8	33.0
		Hi PR	243	261	276	288	272	293	310	323	310	333	352	367	353	**380**	401	418	397	427	451	471	439	472	499	520
		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
	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	0.80	0.71	0.54	0.35	0.83	0.74	0.56	0.36	0.85	0.76	0.57	0.37	0.88	0.78	0.59	0.38	0.91	0.81	0.62	0.40	0.92	0.82	0.62	0.40
		ΔT	21	20	16	11	22	20	16	11	22	20	16	11	22	20	16	11	21	20	16	11	20	18	15	10
		kW	7.76	7.92	8.17	8.43	8.35	8.53	8.80	9.08	8.87	9.06	9.35	9.66	9.33	9.53	9.84	10.17	9.72	9.93	10.26	10.60	10.05	10.28	10.62	10.98
		Amps	20.8	21.3	22.0	22.8	22.5	23.0	23.7	24.6	24.4	24.9	25.7	26.7	26.0	26.6	27.5	28.5	27.6	28.3	29.2	30.3	29.3	30.0	31.0	32.1
		Hi PR	236	253	268	279	264	284	300	313	301	323	342	356	342	368	389	406	385	415	438	457	426	458	484	504
		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 (comp.+fan)
kW = Total system power

EXPANDED COOLING DATA — TWO DX13SA060* / DAT1204* (CONT.)

IDB	AIRFLOW		65ºF 59	65ºF 63	65ºF 67	65ºF 71	75ºF 59	75ºF 63	75ºF 67	75ºF 71	85ºF 59	85ºF 63	85ºF 67	85ºF 71	95ºF 59	95ºF 63	95ºF 67	95ºF 71	105ºF 59	105ºF 63	105ºF 67	105ºF 71	115ºF 59	115ºF 63	115ºF 67	115ºF 71
			OUTDOOR AMBIENT TEMPERATURE / ENTERING INDOOR WET BULB TEMPERATURE																							
80	4496	MBh	115.6	118.1	126.2	134.9	112.9	115.4	123.3	131.8	110.2	112.7	120.4	128.7	107.6	109.9	117.4	125.5	102.2	104.4	111.5	119.2	94.6	96.7	103.3	110.5
		S/T	0.95	0.89	0.73	0.54	1.00	0.93	0.75	0.56	1.00	0.95	0.77	0.58	1.00	1.00	0.80	0.60	1.00	1.00	0.83	0.62	1.00	1.00	0.83	0.62
		ΔT	23	22	19	15	23	22	19	15	23	22	19	15	22	22	19	15	21	21	19	15	19	20	18	14
		kW	8.07	8.24	8.50	8.78	8.69	8.88	9.17	9.46	9.24	9.44	9.75	10.07	9.72	9.94	10.27	10.61	10.13	10.36	10.70	11.06	10.49	10.72	11.08	11.46
		Amps	21.8	22.3	23.0	23.8	23.5	24.0	24.8	25.7	25.5	26.1	26.9	27.9	27.2	27.9	28.8	29.9	28.9	29.6	30.6	31.8	30.6	31.4	32.4	33.7
		Hi PR	248	267	282	294	278	299	316	329	316	340	359	375	360	388	409	427	405	436	460	480	448	482	509	531
		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
	4000	MBh	112.3	114.7	122.6	131.0	109.6	112.0	119.7	128.0	107.0	109.4	116.9	124.9	104.4	106.7	**114.0**	121.9	99.2	101.4	108.3	115.8	91.9	93.9	100.3	107.2
		S/T	0.91	0.85	0.69	0.52	0.94	0.88	0.72	0.54	0.96	0.90	0.74	0.55	1.00	0.93	**0.76**	0.57	1.00	0.97	0.79	0.59	1.00	0.98	0.80	0.59
		ΔT	23	22	20	16	24	23	20	16	24	23	20	16	24	23	**20**	16	23	23	20	16	21	21	18	15
		kW	8.01	8.18	8.44	8.71	8.62	8.81	9.09	9.39	9.17	9.37	9.67	9.99	9.64	9.86	**10.18**	10.52	10.05	10.27	10.61	10.97	10.40	10.63	10.99	11.36
		Amps	21.6	22.1	22.8	23.6	23.3	23.8	24.6	25.5	25.3	25.9	26.7	27.7	27.0	27.6	**28.5**	29.6	28.7	29.4	30.3	31.5	30.4	31.1	32.1	33.3
		Hi PR	245	264	279	291	275	296	313	326	313	337	356	371	357	384	**405**	423	401	432	456	475	443	477	504	525
		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
	3505	MBh	103.6	105.9	113.1	120.9	101.2	103.4	110.5	118.1	98.8	100.9	107.9	115.3	96.4	98.5	105.2	112.5	91.6	93.6	100.0	106.9	84.8	86.7	92.6	99.0
		S/T	0.88	0.82	0.67	0.50	0.91	0.85	0.69	0.52	0.93	0.87	0.71	0.53	0.96	0.90	0.73	0.55	1.00	0.93	0.76	0.57	1.00	0.94	0.77	0.57
		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	7.82	7.98	8.23	8.50	8.42	8.60	8.87	9.16	8.94	9.13	9.43	9.74	9.40	9.61	9.92	10.25	9.80	10.02	10.35	10.69	10.14	10.37	10.71	11.07
		Amps	21.0	21.5	22.2	23.0	22.7	23.2	23.9	24.8	24.6	25.2	26.0	26.9	26.2	26.9	27.7	28.8	27.9	28.6	29.5	30.6	29.5	30.2	31.2	32.4
		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	110	120	128	109	116	127	135	114	121	132	141	119	127	139	148	125	133	145	155	129	138	150	160
85	4496	MBh	117.6	119.9	125.6	134.0	114.9	117.1	122.7	130.9	112.2	114.3	119.8	127.8	109.4	111.6	116.8	124.6	104.0	106.0	111.0	118.4	96.3	98.2	102.8	109.7
		S/T	1.00	0.96	0.87	0.70	1.00	1.00	0.90	0.73	1.00	1.00	0.92	0.75	1.00	1.00	0.95	0.77	1.00	1.00	0.99	0.80	1.00	1.00	1.00	0.81
		ΔT	24	24	22	19	23	24	23	20	23	23	23	20	22	23	23	20	21	22	22	19	20	20	21	18
		kW	8.14	8.31	8.57	8.85	8.76	8.95	9.24	9.54	9.32	9.52	9.83	10.16	9.80	10.02	10.35	10.70	10.22	10.45	10.79	11.16	10.58	10.81	11.18	11.56
		Amps	21.9	22.5	23.2	24.0	23.7	24.3	25.0	26.0	25.7	26.3	27.2	28.2	27.5	28.1	29.0	30.1	29.2	29.9	30.9	32.1	30.9	31.7	32.7	34.0
		Hi PR	250	269	284	297	281	302	319	333	319	344	363	378	364	391	413	431	409	440	465	485	452	486	514	536
		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
	4000	MBh	114.2	116.4	121.9	130.1	111.6	113.7	119.1	127.1	108.9	111.0	116.3	124.0	106.2	108.3	113.4	121.0	100.9	102.9	107.8	115.0	93.5	95.3	99.8	106.5
		S/T	0.95	0.92	0.83	0.67	0.99	0.95	0.86	0.70	1.00	0.98	0.88	0.71	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	25	25	23	20	25	25	24	20	25	25	24	20	24	25	24	21	23	24	23	20	21	22	22	19
		kW	8.07	8.24	8.50	8.78	8.69	8.88	9.17	9.46	9.24	9.44	9.75	10.07	9.72	9.94	10.27	10.61	10.13	10.36	10.70	11.06	10.49	10.72	11.08	11.46
		Amps	21.8	22.3	23.0	23.8	23.5	24.0	24.8	25.7	25.5	26.1	26.9	27.9	27.2	27.9	28.8	29.9	28.9	29.6	30.6	31.8	30.6	31.4	32.4	33.7
		Hi PR	248	267	282	294	278	299	316	329	316	340	359	375	360	388	409	427	405	436	460	480	448	482	509	531
		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
	3505	MBh	105.4	107.5	112.5	120.1	103.0	105.0	109.9	117.3	100.5	102.5	107.3	114.5	98.1	100.0	104.7	111.7	93.2	95.0	99.5	106.1	86.3	88.0	92.1	98.3
		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	0.97	0.88	0.71	1.00	1.00	0.91	0.74	1.00	1.00	0.92	0.74
		ΔT	25	25	24	20	26	25	24	21	26	25	24	21	26	25	24	21	24	25	24	21	23	23	22	19
		kW	7.88	8.05	8.30	8.56	8.48	8.66	8.94	9.23	9.01	9.21	9.51	9.82	9.48	9.69	10.01	10.34	9.88	10.10	10.43	10.78	10.22	10.45	10.80	11.16
		Amps	21.2	21.7	22.4	23.2	22.9	23.4	24.2	25.0	24.8	25.4	26.2	27.2	26.5	27.1	28.0	29.0	28.1	28.8	29.8	30.9	29.8	30.5	31.5	32.7
		Hi PR	240	259	273	285	270	290	306	320	307	330	349	363	349	376	397	414	393	423	447	466	434	467	493	515
		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

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

Shaded area reflects AHRI conditions

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

AHRI PERFORMANCE RATINGS — DX11SA

OUTDOOR UNIT	INDOOR UNIT	COOLING CAPACITY[1]		EER / IEER[2]	AHRI #
		TOTAL	SENSIBLE		
DX11SA0903A*	DAR0904A*	88,000	63,000	11.2 / 11.5	6334521
	(2) CA*F4961*6D+TXV	88,000	62,000	11.2 / 11.5	6334520
DX11SA0904A*	DAR0904A*	88,000	63,000	11.2 / 11.5	6334523
	(2) CA*F4961*6D+TXV	88,000	62,000	11.2 / 11.5	6334522
DX11SA1203A*	DAR1204A*	114,000	82,000	11.2 / 11.5	6334525
	(2) CA*F4961*6D+TXV	110,000	76,000	11.2 / 11.5	6334524
DX11SA1204A*	DAR1204A*	112,000	80,000	11.2 / 11.5	6334527
	(2) CA*F4961*6D+TXV	110,000	76,000	11.2 / 11.5	6334526

[1] BTU/h

EER = Energy Efficiency Ratio; IEER = Integrated Energy Efficiency Ratio

AHRI PERFORMANCE RATINGS — TWO-SPEED SYSTEMS

OUTDOOR UNIT	INDOOR UNIT	DESCRIPTION	COOLING CAPACITY [1]	EER [2]	IEER [3]	AHRI #
Two DX13SA0483**	DAT09043**	208/230V, 3-Phase, 7.5-Ton Capacity	88,000 / 88,000	11.5 / 11.5	14 / 14	7500104
Two DX13SA0484**	DAT09044**	460V, 3-Phase, 7.5-Ton Capacity	88,000	11.5	14	7500105
Two DX13SA0603**	DAT12043**	208/230V, 3-Phase, 10-Ton Capacity	114,000 / 114,000	11.2 / 11.2	14 / 14	7500106
Two DX13SA0604**	DAT12044**	460V, 3-Phase, 7.5-Ton Capacity	114,000	11.2	14	7500107

[1] BTU/h

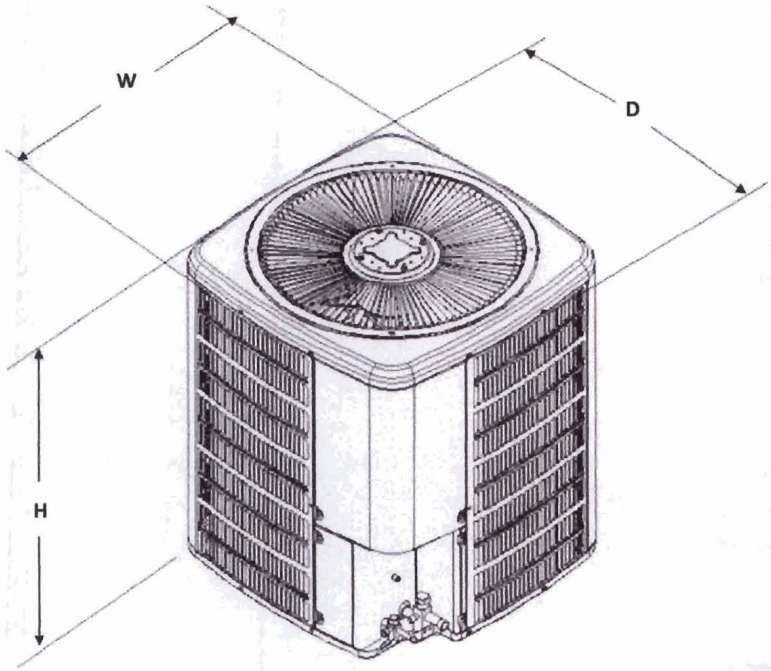
[2] EER = Energy Efficiency Ratio @ 80°F/67°F; inside, 95°F

[3] IEER = International Energy Efficiency Ratio @ 80°F/67°F; inside, 95°F

TWO-SPEED AIR HANDLER NOTES

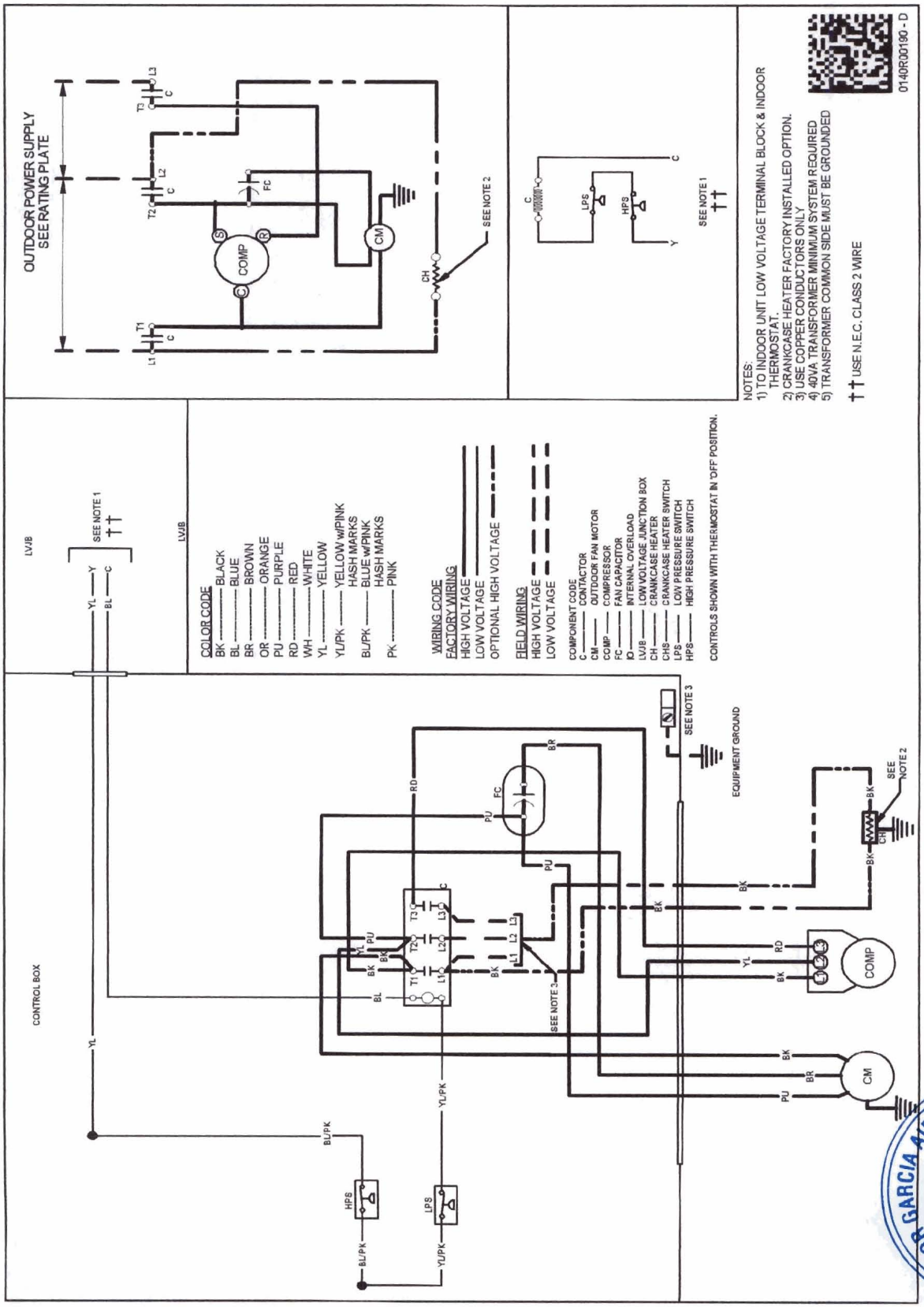
- For 7½-ton two-speed air handler: unit is circuited with two 4-ton air conditioning systems.
- For 10-ton two-speed air handler: unit is circuited with two 5-ton air conditioning systems.
- For technical details regarding the DX13SA and DAT series product specifications, go to: http://daikincomfort.com/commercial/split-systems

DIMENSIONS

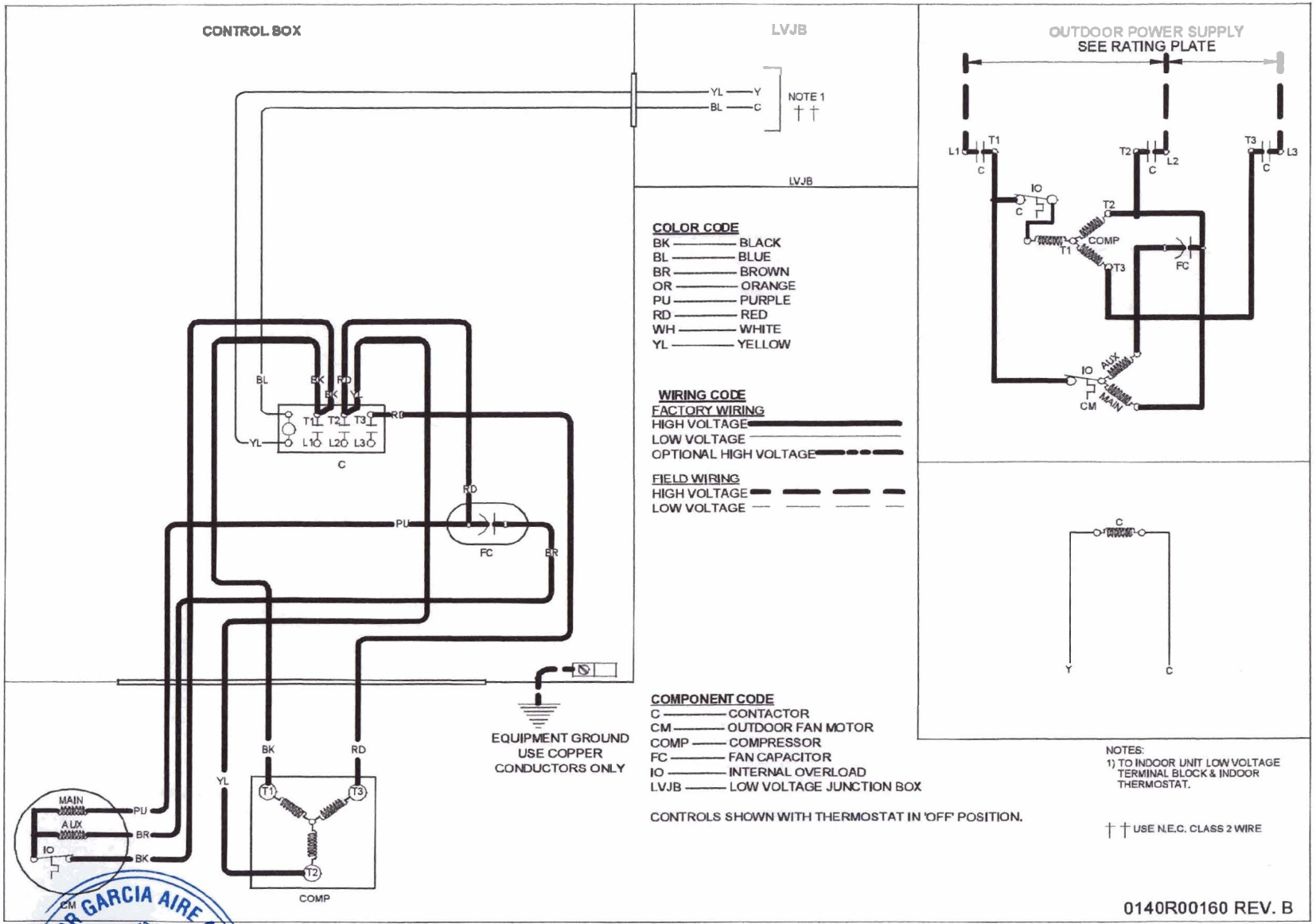


11 EER MODELS	DIMENSIONS		
	W"	D"	H"
DX11SA0903A*	35½	35½	37½
DX11SA0904A*	35½	35½	37½
DX11SA1203A*	35½	35½	41½
DX11SA1204A*	35½	35½	41½

WIRING DIAGRAM — DX11SA(090-120)3**/4**



WIRING DIAGRAM DX13SA(048-060)3**/4**



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

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.

ACCESSORIES — DX11SA

MODEL	DESCRIPTION
ABK-20	Anchor Bracket Kit [0]
HPTD18-60	Digital room thermostat with 1-stage cool/1-stage heat
HPT18-60	Standard room thermostat with 1-stage cool/1-stage heat
FSK01A	Freeze Protection Kit [1]
LA-01	Low Ambient Kit

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

[1] Installed on indoor coil

DAIKIN

DAR / DAT COMMERCIAL

ELECTRIC AIR HANDLERS FOR 7½- & 10-TON SPLIT SYSTEMS

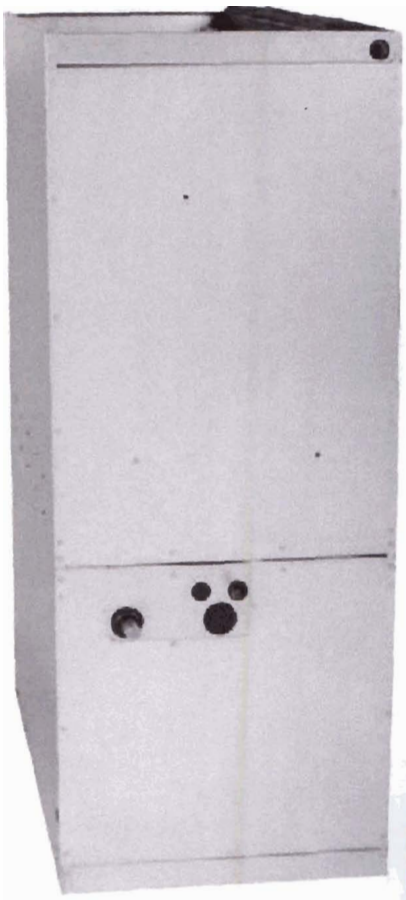
Contents

Standard Features

- Upflow or horizontal (left side) installation positions in 7½- and 10-ton cooling-only or heat pump applications
- 10-ton DAR model circuited for use with two 5-ton cooling-only or heat pump systems, or one 10-ton cooling-only or heat pump system
- 10-ton DAT model circuited for use with two 5-ton cooling-only or heat pump systems; 7½-ton DAT model circuited for use with two 4-ton cooling-only or heat pump systems
- DAR models convertible to 460-3-60 from 208/230-3-60
- Transformer and blower relay
- TXV control;
  DAR 7½-ton unit has one (1) expansion valve;
  DAR 10-ton unit has two (2) expansion valves;
  DAT units have two (2) expansion valves
- Draw-thru centrifugal blower is belt-driven for quiet, efficient operation
- Copper tube/aluminum fin coils

Cabinet Features

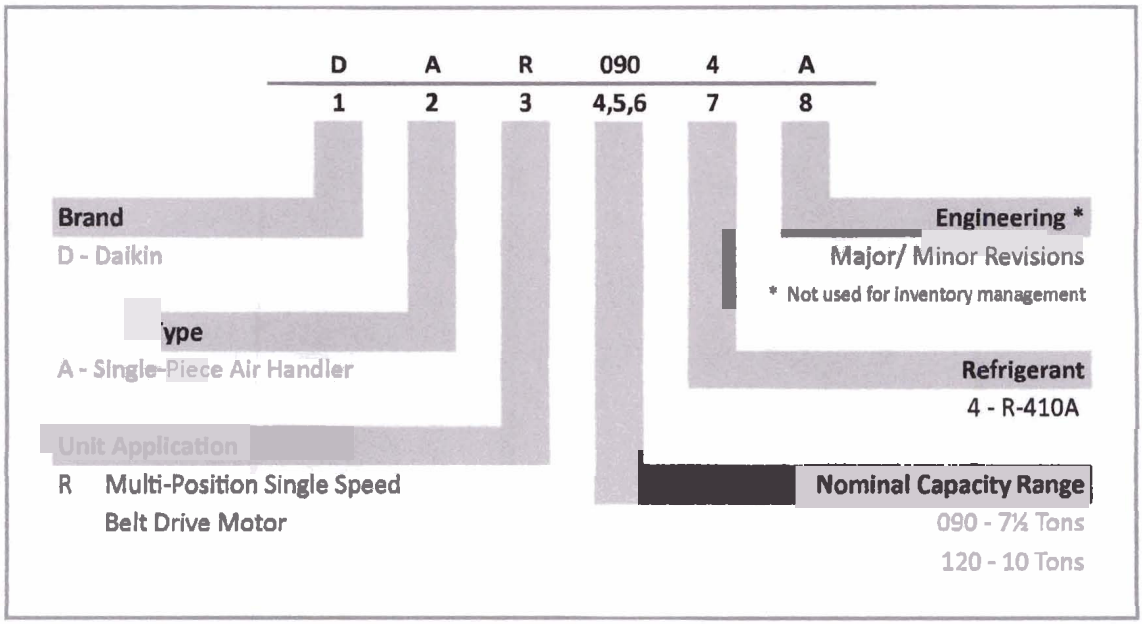
- Heavy-gauge, reinforced, galvanized-steel cabinet
- Fully insulated with fiberglass blanket
- Horizontal and vertical condensate pans
- Built-in filter rack (2" filter included)
- Entry on top of panel for both low and high voltage
- Removable access panels make servicing of unit faster and easier

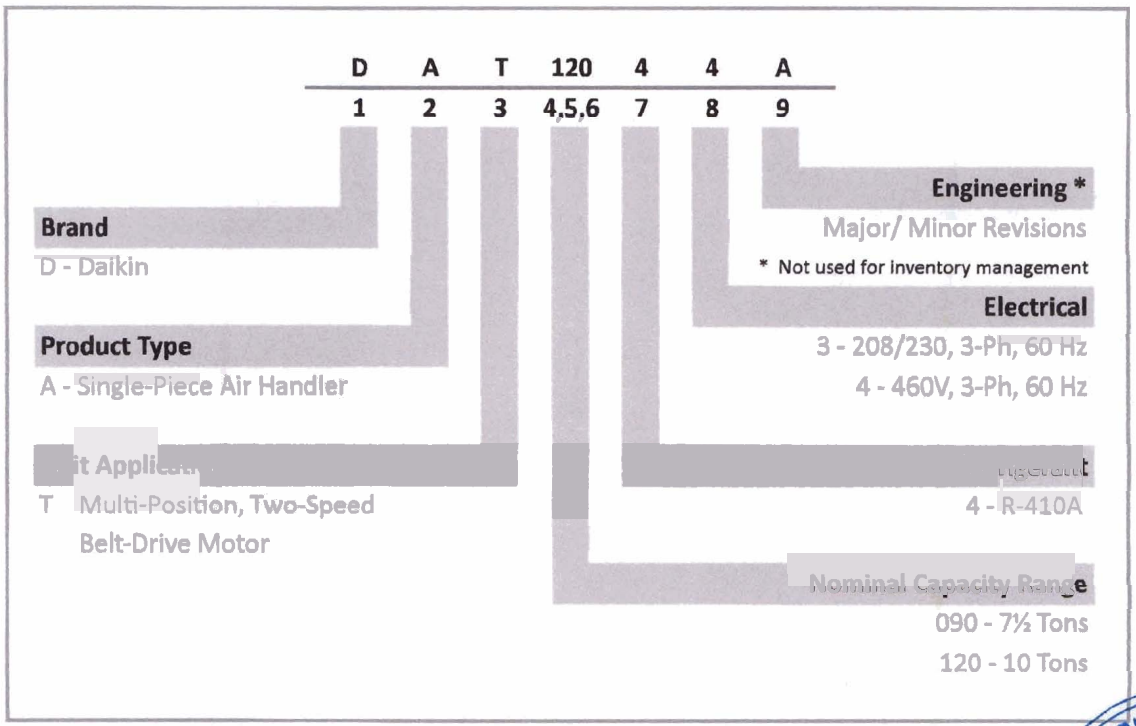


5 YEAR PARTS WARRANTY*

* Complete warranty details available from your local dealer or at www.daikincomfort.com

NOMENCLATURE





DAR SPECIFICATIONS

	DAR0904*	DAR1204*
TOTAL CAPACITIES		
Cooling (BTU/h)	90,000	120,000
Heating (kW)	15, 20, 30	15, 20, 30
CFM	3,000	4,000
ELECTRICAL DATA		
Voltage-Hz-Phase	208/240-60-3 or 460-60-3	208/240-60-3 or 460-60-3
Voltage Range	187 - 253 or 414-506	187 - 253 or 414-506
FLA (Total)	5.2	6
Minimum Circuit Ampacity	6.5 / 3.3	7.5 / 3.8
BLOWER MOTOR		
Type	Belt Drive	Belt Drive
Horse Power	1½	2
Voltage-Hz-Phase	208/240-60-3 or 460-60-3	208/240-60-3 or 460-60-3
FLA/ LRA	5.2/ 35	6.0/ 32
BLOWER & CONTROLS		
Wheel Dia. & Width (Qty.)	11 x 10 (2)	11 x 10 (2)
Pulley Pitch Dia.	5.9"	6.5"
Bore	1"	1"
Motor Pulley Pitch Dia.	1.9 to 2.9	2.8 to 3.8
Bore	⅝"	⅝"
Belt Length & Width	39 x ½	41 x ½
Nominal Airflow (Ft./Min.)	3,000	4,000
Transformer	Standard	Standard
Blower Relay	Standard	Standard
FILTER, COIL & REFRIGERANT		
Disposable Filter Size / Qty	16"x20"x2" / 4	16"x20"x2" / 2 20"x20"x2" / 2
Coil Area (sq. ft.)	9	10
FPI - Rows	14 - 4	14 - 4
Expansion Valve Qty.	1	2
Refrigerant	R-410A	R-410A
Liquid Connection (Qty.)	⅜"	⅜" (2) *
Suction Connection (Qty.)	1⅛"	1⅛" (2) *
Condensate Drain	¾ FPT	¾ FPT
SHIP WEIGHT (LBS)	405	430

* For two refrigerant lines

DAT SPECIFICATIONS

	DAT09043**	DAT09044**	DAT12043**	DAT12044**
TOTAL CAPACITIES				
Cooling (BTU/h)	90,000	90,000	120,000	120,000
Heating (kW)	15, 20, 30	15, 20, 30	15, 20, 30	15, 20, 30
CFM	3,000	3,000	4,000	4,000
ELECTRICAL DATA				
Voltage-Hz-Phase	208/240-60-3	460-60-3	208/240-60-3	460-60-3
Voltage Range	187 - 253	414-506	187 - 253	414-506
FLA (Total)	6.0	2.9	6.0	2.9
Minimum Circuit Ampacity	7.5	3.63	7.5	3.63
BLOWER MOTOR				
Type	Belt Drive	Belt Drive	Belt Drive	Belt Drive
Horse Power	2	2	2	2
Voltage-Hz-Phase	208/240-60-3	460-60-3	208/240-60-3	460-60-3
FLA/ LRA	6.0/47.7	2.9/23.9	6.0/47.7	2.9/23.9
BLOWER & CONTROLS				
Wheel Dia. & Width (Qty.)	11 x 10 (2)	11 x 10 (2)	11 x 10 (2)	11 x 10 (2)
Pulley Pitch Dia.	6.5"	6.5"	6.5"	6.5"
Bore	1"	1"	1"	1"
Motor Pulley Pitch Dia.	1.9 to 2.9	1.9 to 2.9	2.8 to 3.8	2.8 to 3.8
Bore	⅞"	⅞"	⅞"	⅞"
Belt Length & Width	41 x ½	41 x ½	41 x ½	41 x ½
Nominal Airflow (Ft./Min.)	3,000	3,000	4,000	4,000
Transformer	Standard	Standard	Standard	Standard
Blower Relay	Standard	Standard	Standard	Standard
FILTER, COIL & REFRIGERANT				
Disposable Filter Size / Qty	16"x20"x2"/ 2 20"x20"x2"/ 2	16"x20"x2"/ 2 20"x20"x2"/ 2	16"x20"x2"/ 2 20"x20"x2"/ 2	16"x20"x2"/ 2 20"x20"x2"/ 2
Coil Area (sq. ft.)	10	10	10	10
FPI - Rows	14 - 4	14 - 4	14 - 4	14 - 4
Expansion Valve Qty.	2	2	2	2
Refrigerant	R-410A	R-410A	R-410A	R-410A
Liquid Connection (Qty.)	⅜" (2) *	⅜" (2) *	⅜" (2) *	⅜" (2) *
Suction Connection (Qty.)	1⅛" (2)	1⅛" (2)	1⅛" (2) *	1⅛" (2) *
Condensate Drain	¾ FPT	¾ FPT	¾ FPT	¾ FPT
SHIP WEIGHT (LBS)	430	430	430	430

* For two refrigerant lines

DAR AIRFLOW DATA

DAR0904 AIRFLOW**

STATIC PRESSURE	MOTOR SHEAVE TURNS OPEN			
	0	1	2	3
0.1"	4,264	3,930	3,633	3,273
0.2"	3,996	3,705	3,235	2,998
0.3"	3,731	3,379	3,002	2,517
0.4"	3,445	3,066	2,613	---
0.5"	3,113	2,662	---	---

DAR1204**

STATIC PRESSURE	MOTOR SHEAVE TURNS OPEN					
	0	1	2	3	4	5
0.1"	5,193	5,037	4,790	4,529	4,097	4,097
0.2"	5,012	4,873	4,603	4,315	3,842	3,842
0.3"	4,852	4,675	4,393	4,091	3,589	3,589
0.4"	4,687	4,484	4,172	3,853	3,295	3,073
0.5"	4,501	4,268	3,939	3,561	2,922	2,610
0.6"	4,293	4,041	3,673	3,223	2,642	---
0.7"	4,073	3,782	3,347	2,892	---	---
0.8"	3,807	3,485	2,962	---	---	---
0.9"	3,540	3,117	---	---	---	---

* With dry coil and 2" air filter

NOTES:

- Any adjustment made to the blower should not cause the motor to draw more than the motors rated RLA.
- Applications that exceed the above could require a larger motor.

DAT AIRFLOW DATA

DAT0904 (HIGH SPEED)**

STATIC PRESSURE	MOTOR SHEAVE TURNS OPEN				
	0	1	2	3	4
0.1	---	---	---	---	---
0.2	---	---	---	---	3246
0.3	---	---	---	3194	2941
0.4	---	---	3393	2871	2561
0.5	---	---	3027	2482	2133
0.6	---	3139	2710	2137	---
0.7	3276	2757	2217	---	---
0.8	2866	2255	---	---	---
0.9	2458	1832	---	---	---

DAT1204 (HIGH SPEED)**

STATIC PRESSURE	MOTOR SHEAVE TURNS OPEN					
	0	1	2	3	4	5
0.1	---	---	---	---	4472	4134
0.2	---	---	---	---	4119	3776
0.3	---	---	---	4322	3936	3561
0.4	---	---	4406	3955	3683	3304
0.5	---	4427	4026	3761	3402	2959
0.6	---	4265	3845	3422	3094	2581
0.7	4347	3899	3618	3100	2722	---
0.8	3964	3594	3266	2742	2512	---
0.9	3710	3233	2835	2470	---	---

* With dry coil and 2" air filter

NOTES:

- Any adjustment made to the blower should not cause the motor to draw more than the motors rated RLA.
- Applications that exceed the above could require a larger motor.

TEMPERATURE RISE RANGE

MODEL	HEAT KIT kW	CFM	SUPPLY VOLTAGE		
			208	240	480
DAR0904**	15	2,800	14	19	19
		2,900	14	18	18
		3,000	13	18	18
		3,100	13	17	17
		3,200	12	17	17
	20	2,800	19	25	25
		2,900	18	24	24
		3,000	18	24	24
		3,100	17	23	23
		3,200	17	22	22
	30	2,800	28	38	38
		2,900	27	37	37
		3,000	27	35	35
		3,100	26	34	34
		3,200	25	33	33

MODEL	HEAT KIT kW	CFM	SUPPLY VOLTAGE		
			208	240	480
DAR1204**	15	3,800	10	14	14
		3,900	10	14	14
		4,000	10	13	13
		4,100	10	13	13
		4,200	9	13	13
	20	3,800	14	19	19
		3,900	14	18	18
		4,000	13	18	18
		4,100	13	17	17
		4,200	13	17	17
	30	3,800	21	28	28
		3,900	20	27	27
		4,000	20	27	27
		4,100	19	26	26
		4,200	19	25	25

* Tables above are calculated with both stages of electric heat engaged (2-stage heat systems). Divide the temperature rise from the table by 2 for 1st stage operation for systems using staged electric heat.

MODEL	HEAT KIT kW	CFM	SUPPLY VOLTAGE		
			208	240	480
DAT0904**	15	2,800	14	19	19
		2,900	14	18	18
		3,000	13	18	18
		3,100	13	17	17
		3,200	12	17	17
	20	2,800	19	25	25
		2,900	18	24	24
		3,000	18	24	24
		3,100	17	23	23
		3,200	17	22	22
	30	2,800	28	38	38
		2,900	27	37	37
		3,000	27	35	35
		3,100	26	34	34
		3,200	25	33	33

MODEL	HEAT KIT kW	CFM	SUPPLY VOLTAGE		
			208	240	480
DAT1204**	15	3,800	10	14	14
		3,900	10	14	14
		4,000	10	13	13
		4,100	10	13	13
		4,200	9	13	13
	20	3,800	14	19	19
		3,900	14	18	18
		4,000	13	18	18
		4,100	13	17	17
		4,200	13	17	17
	30	3,800	21	28	28
		3,900	20	27	27
		4,000	20	27	27
		4,100	19	26	26
		4,200	19	25	25

* Tables above are calculated with both stages of electric heat engaged (2-stage heat systems). Divide the temperature rise from the table by 2 for 1st stage operation for systems using staged electric heat.

ELECTRIC HEATER KITS

AIR HANDLER	AHKD MODEL	NOMINAL kW	ELECTRICAL DATA	STAGES	WEIGHT (LBS.)	MCA[1]	MOP[2]
DAR0904**	AHKD15-3	15	208-230/3/60	1	56	50	50
	AHKD15-4	15	460/3/60	1	55	25	25
	AHKD20-3	20	208-230/3/60	2	59	64	70
	AHKD20-4	20	460/3/60	2	57	32	35
	AHKD30-3	30	208-230/3/60	2	60	93	100
	AHKD30-4	30	460/3/60	2	58	47	50
DAR1204**	AHKD15-3	15	208-230/3/60	1	56	53	60
	AHKD15-4	15	460/3/60	1	55	27	30
	AHKD20-3	20	208-230/3/60	2	59	68	70
	AHKD20-4	20	460/3/60	2	57	34	35
	AHKD30-3	30	208-230/3/60	2	60	96	100
	AHKD30-4	30	460/3/60	2	58	48	50

[1] Minimum Circuit Ampacity
[2] Maximum Overcurrent Protection

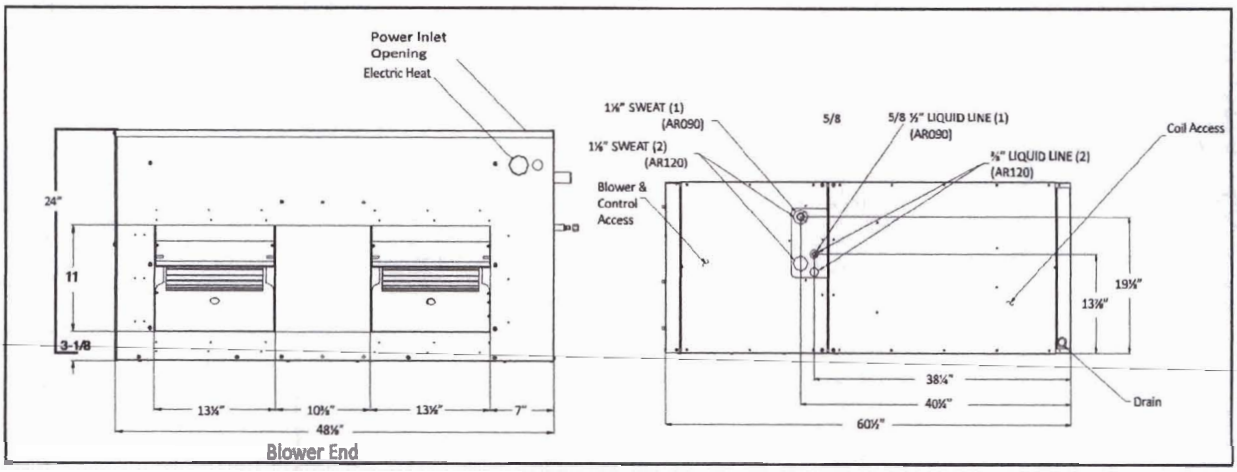
AIR HANDLER	AHKD MODEL	NOMINAL kW	ELECTRICAL DATA	STAGES	WEIGHT (LBS.)	MCA[1]	MOP[2]
DAT0904**	AHKD15-3	15	208-230/3/60	1	56	50	50
	AHKD15-4	15	460/3/60	1	55	25	25
	AHKD20-3	20	208-230/3/60	2	59	64	70
	AHKD20-4	20	460/3/60	2	57	32	35
	AHKD30-3	30	208-230/3/60	2	60	93	100
	AHKD30-4	30	460/3/60	2	58	47	50
DAT1204**	AHKD15-3	15	208-230/3/60	1	56	53	60
	AHKD15-4	15	460/3/60	1	55	27	30
	AHKD20-3	20	208-230/3/60	2	59	68	70
	AHKD20-4	20	460/3/60	2	57	34	35
	AHKD30-3	30	208-230/3/60	2	60	96	100
	AHKD30-4	30	460/3/60	2	58	48	50

[1] Minimum Circuit Ampacity
[2] Maximum Overcurrent Protection

NOTES:

- These air handlers do not have factory-installed electric heat. The above-listed kits are the ONLY heater kits that can be used with this commercial series. They are available for purchase as field-installed accessories.
- The electrical characteristics of the air handler, electric heater kits, and building power supply must be compatible.

DIMENSIONS



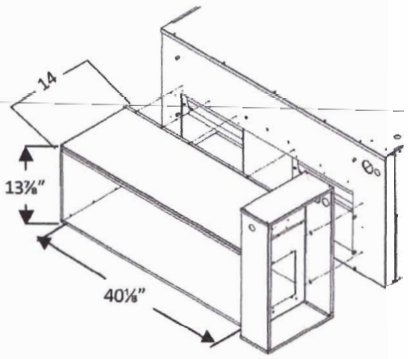
Note: DAR090A (1) 5/8" Liquid Line DAR120A (2) 3/8" Liquid Line

DUCT CONNECTION SIZING WITHOUT ELECTRIC HEATERS

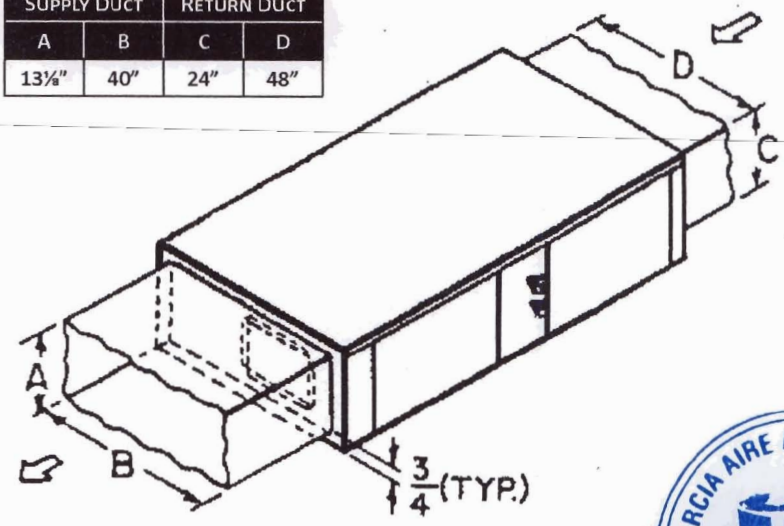
MINIMUM SUPPLY AND RETURN DUCT DIMENSIONS

DIMENSIONAL DATA FOR ELECTRIC HEATER KITS

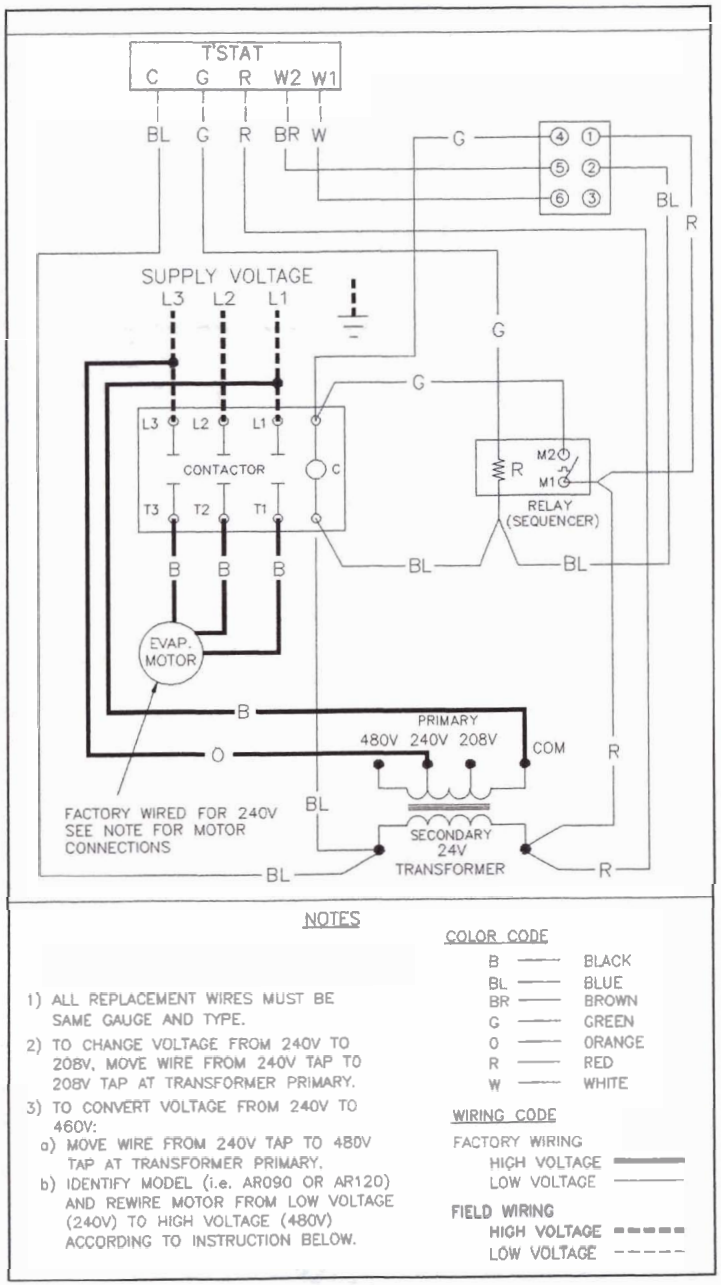
- 15, 20, & 30 kW Heater Kits
- Supply opening is 13⅜" x 40⅛"



SUPPLY DUCT		RETURN DUCT	
A	B	C	D
13⅜"	40"	24"	48"



D'AR WIRING DIAGRAM



NOTES

1) ALL REPLACEMENT WIRES MUST BE SAME GAUGE AND TYPE.
2) TO CHANGE VOLTAGE FROM 240V TO 208V, MOVE WIRE FROM 240V TAP TO 208V TAP AT TRANSFORMER PRIMARY.
3) TO CONVERT VOLTAGE FROM 240V TO 460V:
   a) MOVE WIRE FROM 240V TAP TO 480V TAP AT TRANSFORMER PRIMARY.
   b) IDENTIFY MODEL (i.e. AR090 OR AR120) AND REWIRE MOTOR FROM LOW VOLTAGE (240V) TO HIGH VOLTAGE (480V) ACCORDING TO INSTRUCTION BELOW.

COLOR CODE

B	BLACK
BL	BLUE
BR	BROWN
G	GREEN
O	ORANGE
R	RED
W	WHITE

WIRING CODE

FACTORY WIRING
HIGH VOLTAGE
LOW VOLTAGE

FIELD WIRING
HIGH VOLTAGE
LOW VOLTAGE

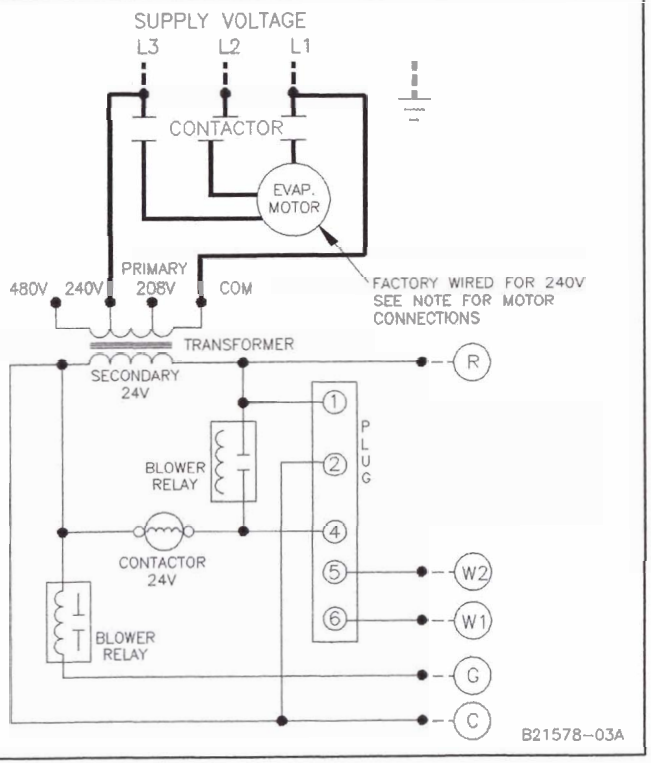
A.O. SMITH MOTORS

AR120 MOTOR (B3240006)

HIGH VOLTAGE (480V)	LOW VOLTAGE (240V)
4 7 1 — L1	14 4 7 1 — L1
5 8 2 — L2	15 5 8 2 — L2
6 9 3 — L3	16 6 9 3 — L3
14 — INSULATE	
15 — INSULATE	
16 — INSULATE	

AR090 MOTOR (B3240002)

HIGH VOLTAGE (480V)	LOW VOLTAGE (240V)
T4 T7 T1 — L1	T4 P4 T7 T1 — L
T5 T8 T2 — L2	T5 P5 T8 T2 — L2
T6 T9 T3 — L3	T6 P6 T9 T3 — L3
P4 — INSULATE	
P5 — INSULATE	
P6 — INSULATE	

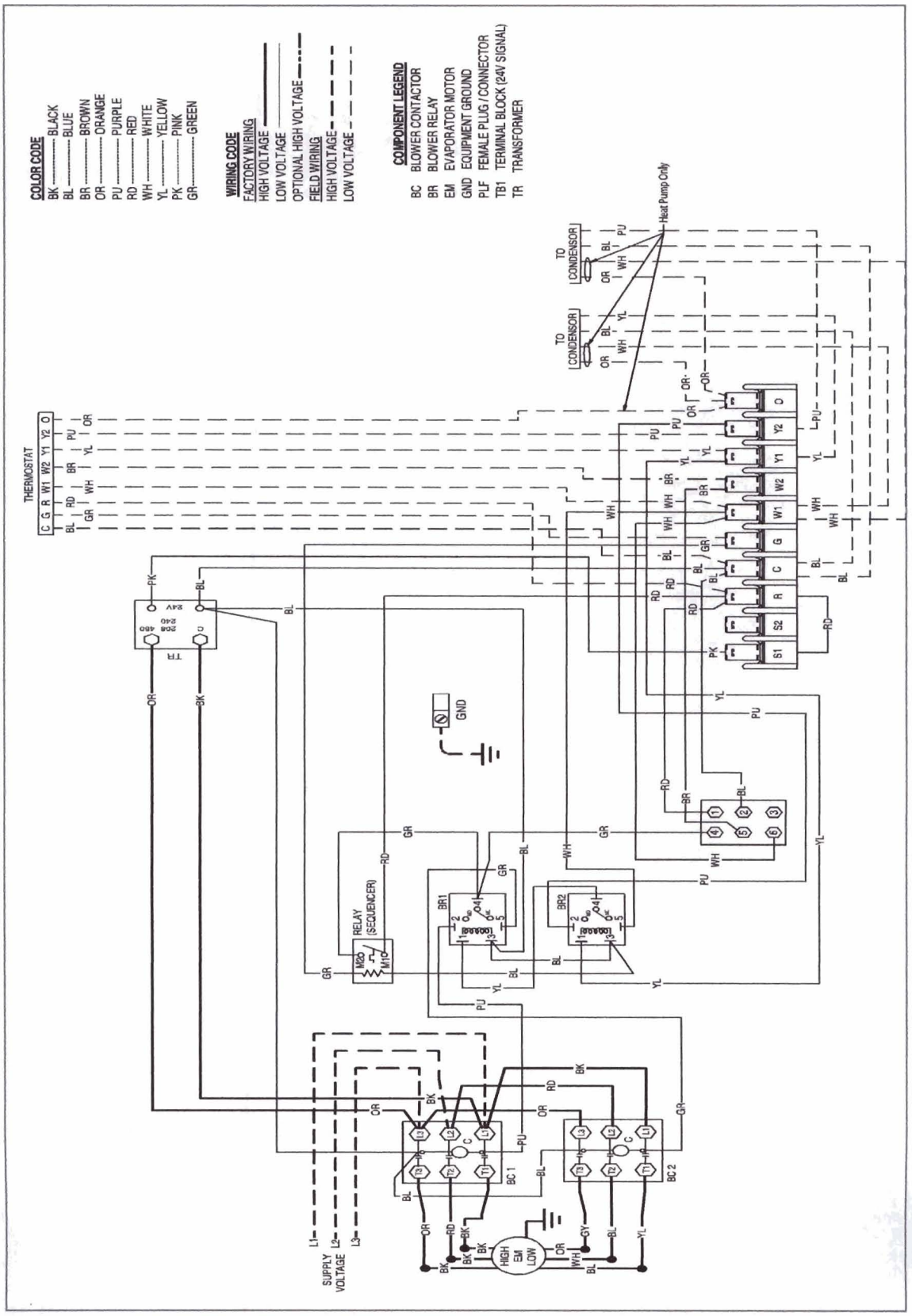


WARNING

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.

DAT WIRING DIAGRAMS

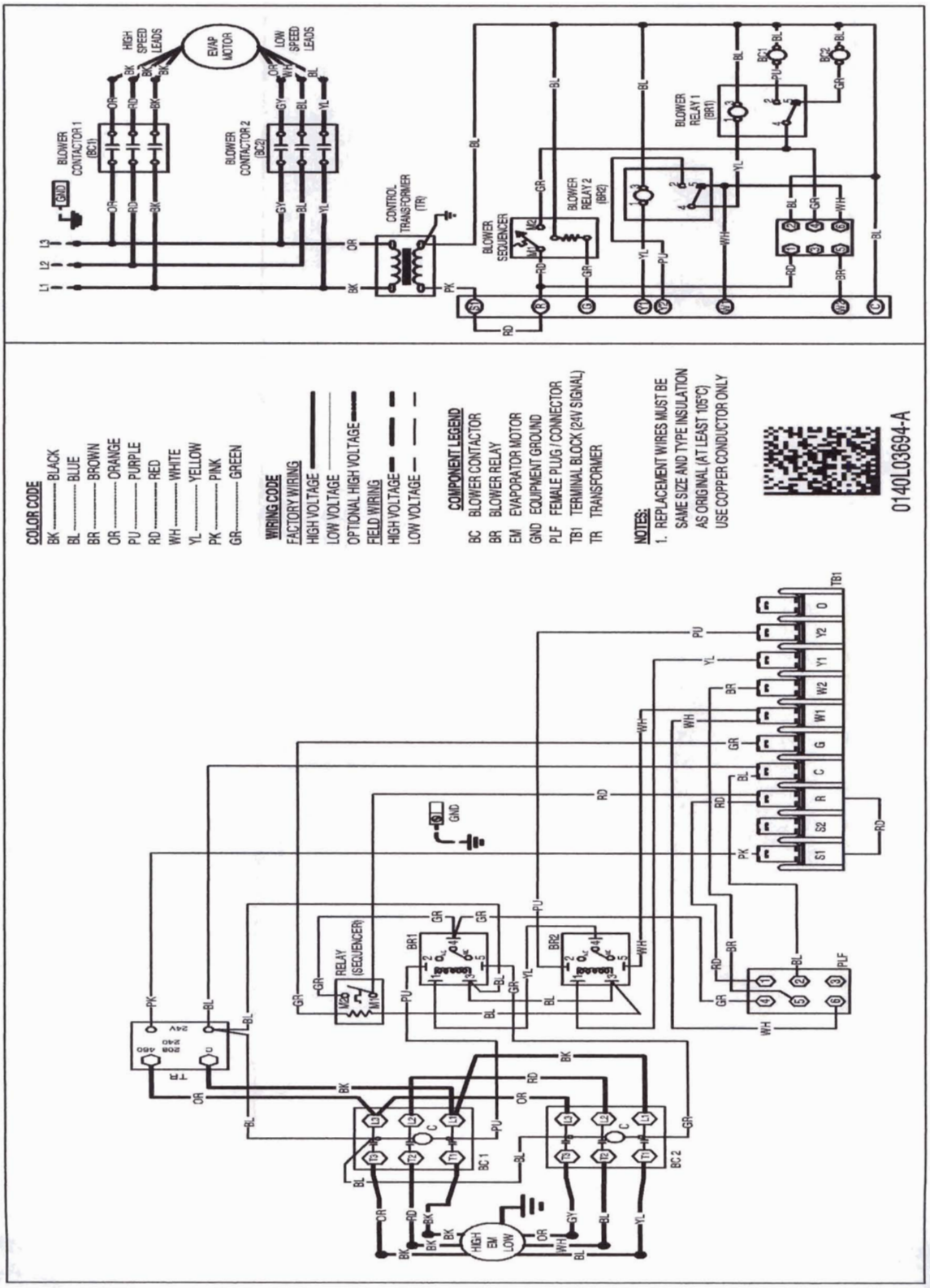


WARNING

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 on the unit for the most up-to-date wiring.

DAT WIRING DIAGRAMS (CONT.)



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.

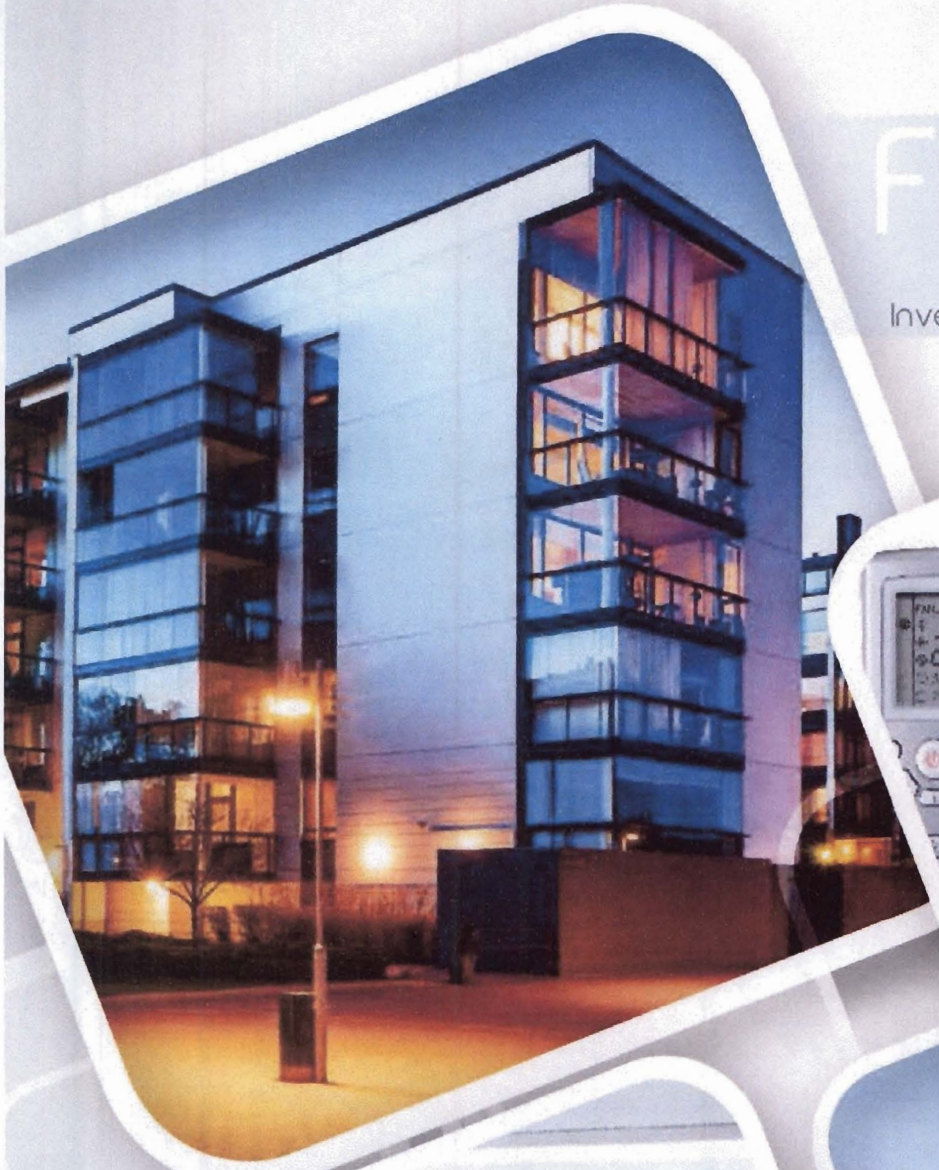
Wiring is subject to change. Always refer to the wiring diagram on the unit for the most up-to-date wiring.

CIAC®

Comfort and intelligence in air conditioning®

Freedom Series

Inverter Flexible Combination System



AHRI CERTIFIED. ETL LISTED UL CERTIFIED

FREEDOM HORIZONTAL DISCHARGE INVERTER HEAT PUMP

Features and Benefits:

- Inverter control
- Heavy Gauge Steel Cabinet
- Sound Levels down to 56 DB
- Low Ambient Cooling down to 5 deg °F
- R410A Refrigerant
- Multi-point Diagnostics

Outdoor Unit HP Inverter		CM43AX018-H3H1H	CM43AX024-H3H1H	CM43AX030-H3H1H	CM43AX036-H3H1H	CM43AX042-H3H1H	CM43AX048-H3H1H	CM43AX060-H3H1H
System Type		Heat Pump						
Power Supply		208/230V / 60Hz	208/230V / 60Hz	208/230V / 60Hz	208/230V / 60Hz	208/230V / 60Hz	208/230V / 60Hz	220/240V / 60Hz
Rated Current Cooling	Amps	11.5	17.5	18.1	21.5	22.0	32.5	35.0
Rated Current Heating	Amps	11.1	18.4	19.0	22.5	22.7	32.2	34.0
Cooling Capacity (Min-Max)*	Btu/h	17,100 (5,459-18,765)	23,800 (8,188-29,002)	28,200 (8,871-31,390)	34,000 (10,920-39,250)	39,238 (11,260-39,238)	47,768 (20,472-50,498)	55,900 (22,100-55,900)
Heating Capacity (Min-Max)*	Btu/h	18,400 (4,776-22,178)	27,200 (8,188-32,414)	31,200 (8,188-33,778)	40,800 (9,890-48,490)	44,356 (12,283-51,160)	54,592 (17,742-61,416)	62,700 (17,700-62,700)
SEER/EER		18	18	18	18	18	18	18
HSPF/COP		9.5/3.0	10.0/3.4	10.0/3.7	10.0/3.2	10.0/2.9	10.0/3.3	10/3.39
Compressor Type		DC Inverter-driven Twin rotary						
Sound Pressure Level	*db(A)*	56	57	58	63	61	59	63
Unit Dimensions (LxWxH)	inches	37.6 x 27.6 x 15.6	38.6 x 31.1 x 16.8	38.6 x 31.1 x 16.8	43.6 x 43.3 x 17.3	37.7 x 53.1 x 16.2	37.7 x 53.1 x 16.2	42.7 x 53.7 x 16.7
Package Dimensions (LxWxH)	inches	40.5 x 29.5 x 18.0	42.6 x 33.7 x 19.2	42.6 x 33.7 x 19.2	45.6 x 48.6 x 19.4	41.1 x 59.1 x 17.8	41.1 x 59.1 x 17.8	45 x 59.3 x 18.8
Net / Gross Weight	lbs	104/110	148/159	157/168	203/221	208/232	232/254	267/293
Refrigerant / Charge	oz.	R410A / 49.4	R410A / 77.6	R410A / 84.7	R410A / 133.5	R410A / 130.5	R410A / 141.1	R410A / 194
Line Set Size (Liquid - Suction)	inches	1/4" - 1/2" Flared	3/8" - 5/8" Flared	3/8" - 5/8" Flared	3/8" - 5/8" Flared	3/8" - 5/8" Flared	3/8" - 5/8" Flared	3/8" - 5/8" Flared
Pre-Charge	Feet	25	25	25	25	25	25	25
Max. Line Run	Feet	65	100	100	100	165	165	165
Max. Elevation	Feet	50	66	50	66	100	100	100
MCA	Amps	11	17	18	21	22	32	32
MOCP/Breaker Size	Amps	15	20	20	25	25	40	40
Ambient Cooling Operating Range	°F	0~115						5 ~ 118.4
Ambient Heating Operating Range	°F	0~75						14 ~ 75.2

All models have AHRI & ETL Certifications except 60K models. CE Certification for all 60K models.
*Based on Cassette Indoor Unit combination

FREEDOM CASSETTE INVERTER

Features and Benefits:

- 4 - way Discharge Air
- Multi Speed Fan
- Remote Control Lockout
- Swing Louver
- Cleanable Air Filter
- Decorative Discharge Air Grille (sold separately)
- IR Remote Control and Tether Wired Controller
- Power Failure Recovery
- Internal Condensate Drain Pump
- Sentry Float Switch

Indoor Unit HP Inverter		CK43AX018-C3H1H	CK43AX024-C3H1H	CK43AX030-C3H1H	CK43AX036-C3H1H	CK43AX042-C3H1H	CK43AX048-C3H1H	CK43A
System Type		Heat Pump						
Power Supply		208/230V / 60Hz	208/230V / 60Hz	208/230V / 60Hz	208/230V / 60Hz	208/230V / 60Hz	208/230V / 60Hz	220
Cooling Capacity (Min-Max)*	Btu/h	17,100 (5,459-18,765)	23,800 (8,188-29,002)	28,200 (8,871-31,390)	34,000 (10,920-39,250)	39,238 (11,260-39,238)	47,768 (20,472-50,498)	(22,1
Heating Capacity (Min-Max)*	Btu/h	18,400 (4,776-22,178)	27,200 (8,188-32,414)	31,200 (8,188-33,778)	40,800 (9,890-48,490)	44,356 (12,283-51,160)	54,592 (17,742-61,416)	(700-62,700)
Airflow (max)	CFM	447	765	883	1,095	1,095	1,354	1,413
Sound Pressure Level (H/MH/ML/L)	db (A)	47/46/44/37	47/46/42/38	49/48/45/40	51/49/46/43	51/49/46/43	53/52/47/41	
Unit Dimensions (LxWxH)	inches	23.5 x 23.5 x 9.4	36.1 x 33.1 x 9.4	33.1 x 33.1 x 12.6	33.1 x 33.1 x 12.6	36.1 x 32.8 x 12.6	35.8 x 35.8 x 11.4	35.8 x 35.8 x 11.4
Package Dimensions (LxWxH)	inches	30.4 x 28.9 x 11.8	37.9 x 37.9 x 12.8	37.9 x 37.9 x 16.1	37.9 x 37.9 x 16.1	37.9 x 37.9 x 16.1	40.3 x 39.1 x 14.8	40.3 x 39.1 x 14.8
Net / Gross Weight	lbs	44/59	57/71	68/84	68/84	68/84	95/110	95/110
Line Set Size (Liquid - Suction)	inches	1/4" - 1/2" Flared	3/8" - 5/8" Flared					
		Panel						
Unit Dimensions (LxWxH)	inches	26.4 x 26.4 x 2.0	37.4 x 37.4 x 2.4	37.4 x 37.4 x 2.4	37.4 x 37.4 x 2.4	37.4 x 37.4 x 2.4	40.9 x 40.9 x 2.6	40.9 x 40.9 x 2.6
Package Dimensions (LxWxH)	inches	30.0 x 30.0 x 4.1	40.5 x 41.1 x 5.1	40.5 x 41.1 x 5.1	40.5 x 41.1 x 5.1	40.5 x 41.1 x 5.1	44.8 x 44.8x 5.5	44.8 x 44.8x 5.5
Net / Gross Weight	lbs	8/11	15/24	15/24	15/24	15/24	18/26	18/26

FREEDOM SLIM DUCT EVAPORATOR

Features and Benefits:

- Medium Static Pressure Capability
- Slim Line Construction 7-7/8" high
- Flexible Return Air From Bottom or Rear
- Internal Condensate Drain Pump
- Sentry Float Switch
- Environmentally Safe R-410A Refrigerant

AHRI CERTIFIED · ETL · R-410A REFRIGERANT

UL CERTIFIED E12345

Outdoor Unit HP Inverter		CC43AX018-E3H1H	CC43AX024-E3H1H	CC43AX030-E3H1H	CC43AX036-E3H1H	CC43AX042-E3H1H	CC43AX048-E3H1H	CC43AX060-E3H1H
System Type		Heat Pump						
Power Supply		208/230V / 60Hz	208/230V / 60Hz	208/230V / 60Hz	208/230V / 60Hz	208/230V / 60Hz	208/230V / 60Hz	220/240 / 60HZ
Cooling Capacity (Min-Max)*	Btu/h	17,100 (5,459-19,789)	23,800 (8,188-27,978)	28,200 (8,871-31,390)	34,000 (10,920-39,250)	39,236 (12,283-42,650)	47,768 (20,472-49,474)	61,400 (23,200-61,400)
Heating Capacity (Min-Max)*	Btu/h	18,800 (4,776-23,201)	27,200 (8,188-30,708)	31,200 (8,188-33,778)	40,800 (9,890-48,490)	44,356 (13,306-52,886)	54,592 (17,742-58,004)	68,200 (18,000-68,200)
Airflow (max)	CFM	589	824	824	1,177	1,177	1,471	1,766
Sound Pressure Level (H/MH/ML/L)	db (A)	40/39/36/28	47/46/44/40	47/46/44/40	53/52/48/44	53/52/48/44	55/53/49/45	56/54/49
Unit Dimensions (LxWxH)	inches	40.8 x 10.8 x 28.4	50.4 x 10.6 x 22.0	50.4 x 10.6 x 22.0	48.3 x 11.4 x 30.5	48.3 x 11.4 x 30.5	52.8 x 13.8 x 29.5	52.8 x 13.8 x 29.5
Package Dimensions (LxWxH)	inches	44.2 x 12.7 x 31.4	53.1 x 11.1 x 23.5	53.1 x 11.1 x 23.5	52.7 x 12.0 x 34.5	52.7 x 12.0 x 34.5	56.0 x 17.0 x 33.0	56.0 x 17.0 x 33.0
Net / Gross Weight	lbs	73/84	75/86	75/86	101/117	101/117	124/143	126/157
Line Set Size (Liquid - Suction)	inches	1/4" - 1/2" Flared	3/8" - 5/8" Flared					

All models have AHRI & ETL Certifications except 60K models. CE Certification for all 60K models.

FREEDOM FLOOR CEILING INVERTER

Features and Benefits:

- 4-way Discharge Air
- Multi Speed Fan
- IR Remote Control
- Tether Wired Controller
- Swing Louver
- Remote Control Lockout
- Power Failure Recovery

UL CERTIFIED E12345 · AHRI CERTIFIED · ETL · R-410A REFRIGERANT

Outdoor Unit HP Inverter		CF43AX018-M3H1H	CF43AX024-M3H1H	CF43AX030-M3H1H	CF43AX036-M3H1H	CF43AX042-M3H1H	CF43AX048-M3H1H	CF43AX060-M3H1H
System Type		Heat Pump						
Power Supply		208/230V / 60Hz	208/230V / 60Hz	208/230V / 60Hz	208/230V / 60Hz	208/230V / 60Hz	208/230V / 60Hz	220/240V / 60Hz
Cooling Capacity (Min-Max)*	Btu/h	17,100 (5,459-19,789)	23,800 (8,188-27,978)	28,200 (8,871-31,290)	34,000 (10,920-39,250)	39,236 (12,283-42,650)	47,768 (20,472-50,456)	59,300 (21,600-59,300)
Heating Capacity (Min-Max)*	Btu/h	19,100 (4,776-23,201)	27,200 (8,188-30,708)	31,200 (8,188-33,778)	40,800 (9,890-48,490)	44,356 (13,306-52,886)	54,592 (17,742-61,416)	68,200 (18,700-68,200)
Airflow (max)	CFM	589	706	883	1,118	1,118	1,354	1,471
Sound Pressure Level (H/MH/ML/L)	db (A)	44/42/38/32	49/48/46/40	49/46/44/38	54/53/51/46	55/53/51/46	56/55/50/46	59/52/46
Unit Dimensions (LxWxH)	inches	40.8 x 10.5 x 28.4	50.4 x 10.6 x 22.0	50.4 x 10.6 x 22.0	48.3 x 11.4 x 30.5	48.3 x 11.4 x 30.5	52.8 x 13.8 x 29.5	67 x 9.7 x 27.6
Package Dimensions (LxWxH)	inches	44.2 x 12.7 x 31.3	53.1 x 11.1 x 23.5	53.1 x 11.1 x 23.5	52.7 x 12.0 x 34.5	52.7 x 12.0 x 34.5	56.0 x 17.9 x 33.0	72 x 13.6 x 32.6
Net / Gross Weight	lbs	73/84	75/86	75/86	101/117	101/117	123/143	130/150
Line Set Size (Liquid - Suction)	inches	1/4" - 1/2" Flared	3/8" - 5/8" Flared					

VICTOR GARCIA AIRE ACONDICIONADO, S.R.L.
RNC: 130120943
STO. DGO. R.D

The photos of products on the cover are for reference only, the actual appearence of certain product may be different.

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