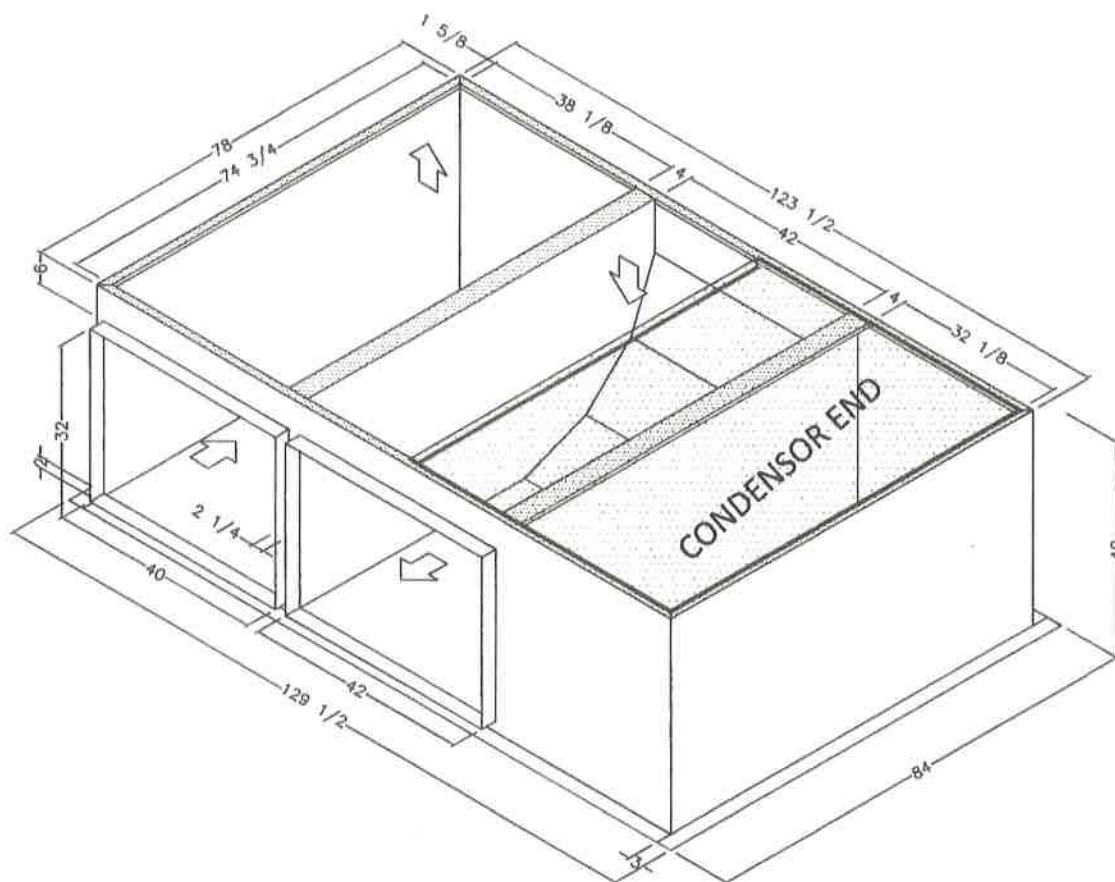


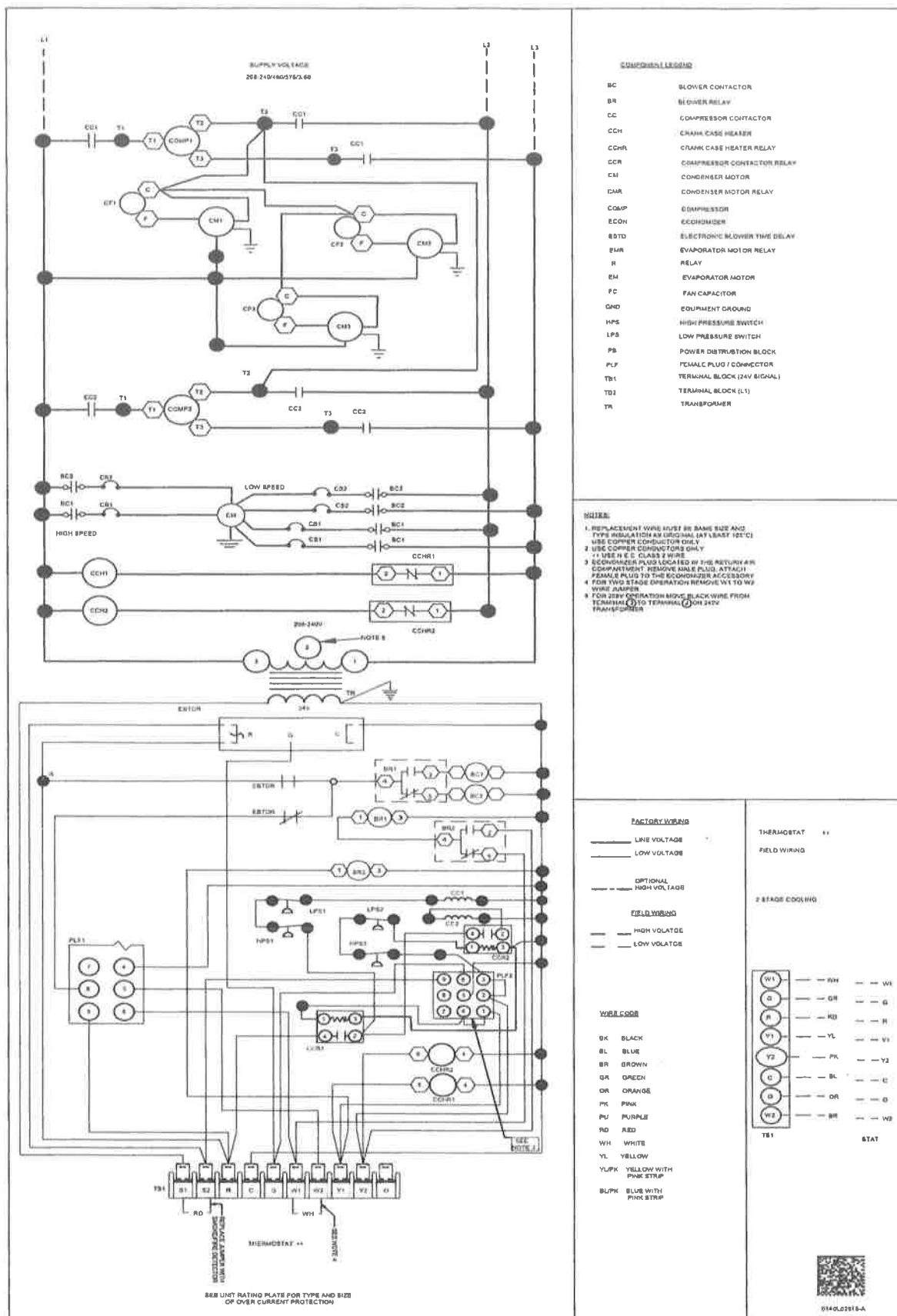


FEATURES

- Flanged duct openings on side of the curb
- Designed for a slab or other flat surface mount
- Ships fully assembled
- Duct openings are on the same side as the service access of the Goodman/Daikin unit
- Weighs 865 Pounds

DAIKIN INSTALLED ITEM #	DESCRIPTION	FITS MODEL SIZES	FIELD- INSTALLED	FACTORY- INSTALLED	OPERATING WEIGHT (LBS)
Curb					
14CURB180300	14" Roof Curb	15-25 tons	✓		285
18CURB180300	18" Roof Curb	15-25 tons	✓		315
24CURB180300	24" Roof Curb	15-25 tons	✓		360
GHRC-180300	Hurricane Restraint Clips	15-25 tons	✓		2
Ultra Low-Leak Economizer & Power Exhaust¹					
10-455-11A-23	Centrifugal Power Exhaust 230v	15-25 tons	✓		110
10-455-11A-33	Centrifugal Power Exhaust 460v	15-25 tons	✓		110
1036611B	Ultra Low-Leak Downflow Economizer w/ Enthalpy	15-25 tons	✓	✓	281
10-465-11-21	Prop Power Exhaust 230v	15-25 tons	✓		98
10-465-11-31	Prop Power Exhaust 460v	15-25 tons	✓		98
10-465-11-41	Prop Power Exhaust 575v	15-25 tons	✓		98
Low-Leak Economizer & Power Exhaust²					
DDNECNJ180300B	Low-Leak Downflow Economizer	15-25 tons	✓	✓	416
DPE1803002	Downflow Power Exhaust (208/230v)	15-25 tons	✓		200
DPE1803004	Downflow Power Exhaust (460v)	15-25 tons	✓		200
DPE1803007	Downflow Power Exhaust (575v)	15-25 tons	✓		200
DHZEENJ180300B	Horizontal Economizer, Internally Mounted	15-25 tons	✓		225
Downflow Accessories					
D25FD180300	25% Manual Fresh Air Damper	15-25 tons	✓		34
D25MFD180300	25% Motorized Fresh Air Damper	15-25 tons	✓		42
D50MFD180300	50% Motorized Fresh Air Damper	15-25 tons	✓		42
DN8BS180300	Burglar Bar Sleeves with Supply and Return	15-25 tons	✓		60
Horizontal Accessories					
DBRD180300	Barometric Relief	15-25 tons	✓		30
HZCURB180300EDR	Horizontal Curb End Discharge Roofed In	15-25 tons	✓		950
HZCURB180300NSR	Horizontal Curb Non-Service Side Discharge Roofed In	15-25 tons	✓		950
HZCURB180300SSR	Horizontal Curb Service Side Discharge Roofed In	15-25 tons	✓		950
HZCURB180300EDS	Horizontal Curb End Discharge Slab Mount	15-25 tons	✓		850
HZCURB180300NSS	Horizontal Curb Non-Service Side Discharge Slab Mount	15-25 tons	✓		850
HZCURB180300SSS	Horizontal Curb Service Side Discharge Slab Mount	15-25 tons	✓		850
DHZE25FD180300	Horizontal Fresh Air Damper 25%	15-25 tons	✓		75
DHZRETPNL180300	Horizontal Return Panel	15-25 tons	✓		50
Concentrics					
CDK300-530	Concentric Duct Kit Step-Down Diffuser	25 tons	✓		244
CDK180	Concentric Duct Kit	15 tons	✓		158
CDK240	Concentric Duct Kit	20 tons	✓		197
CDK300	Concentric Duct Kit Flush Mount Diffuser	25 tons	✓		244
3 phase 208-230V Electric Heat Kits					
EHK3-31	30kw 208-230v 3ph Electric Heat Kit	15-25 tons	✓	✓	21
EHK3-46	40kw 208-230v 3ph Electric Heat Kit	15-25 tons	✓	✓	21

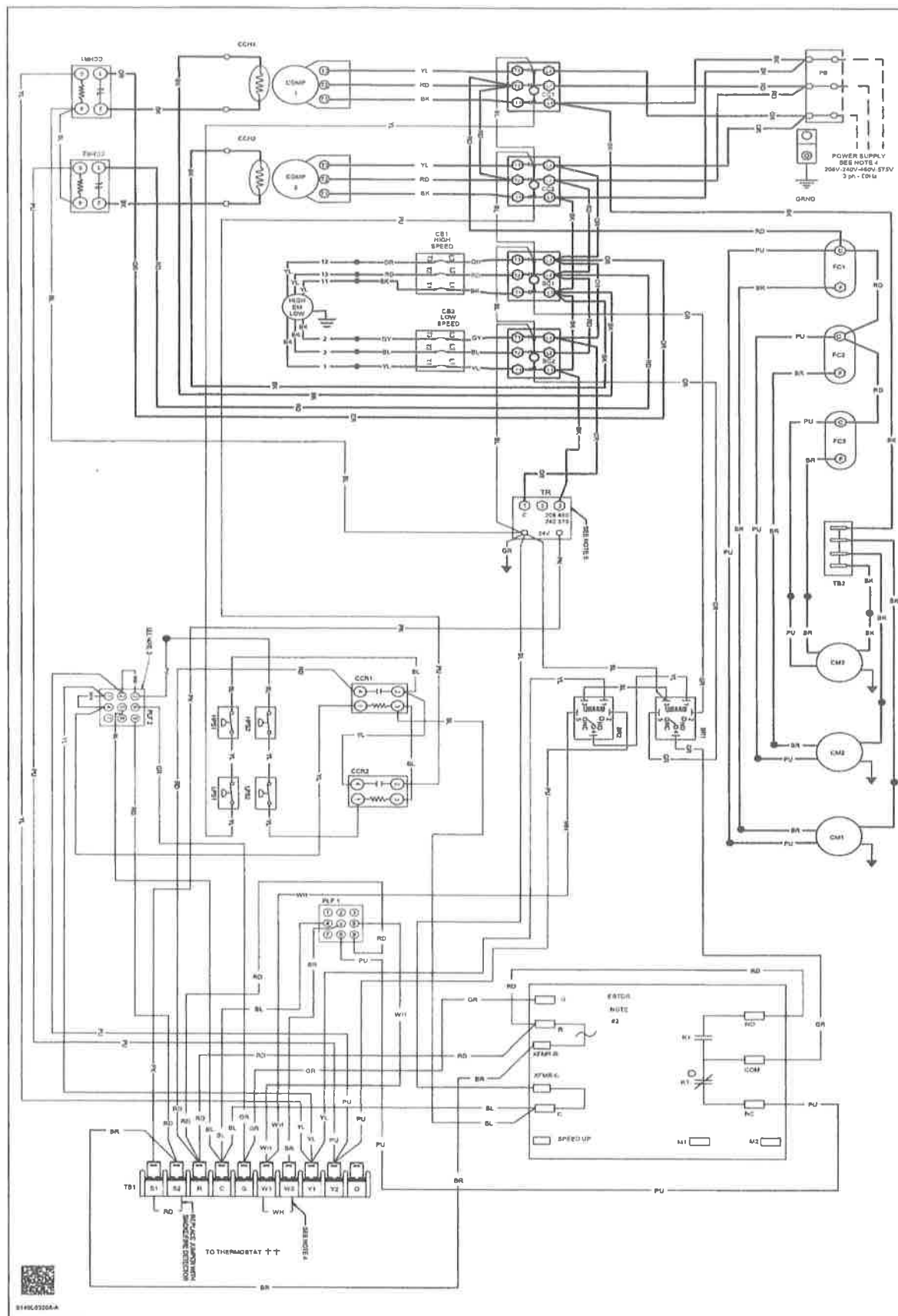
WIRING DIAGRAM — DCC 15 & 20 TONS (230V/460V/575V, Two-Speed Belt Drive CONT.)



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.

WARNING

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

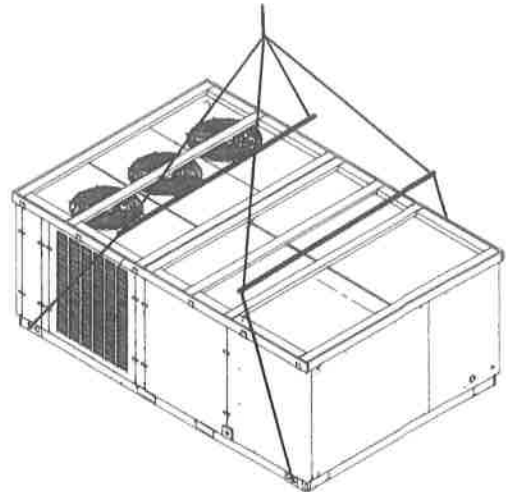


WARNING

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

Provisions for forks have been included in the unit base frame. No other fork locations are approved.

- Unit must be lifted by the four lifting holes located at the base frame corners.
- Lifting cables should be attached to the unit with shackles.
- The distance between the crane hook and the top of the unit must not be less than 60".
- Two spreader bars must span over the unit to prevent damage to the cabinet by the lift cables. Spreader bars must be of sufficient length so that cables do not come in contact with the unit during transport. Remove wood struts mounted beneath unit base frame before setting unit on roof curb. These struts are intended to protect unit base frame from fork lift damage. To remove the struts, extract the sheet metal retainers and pull the struts through the base of the unit. Refer to rigging label on the unit.



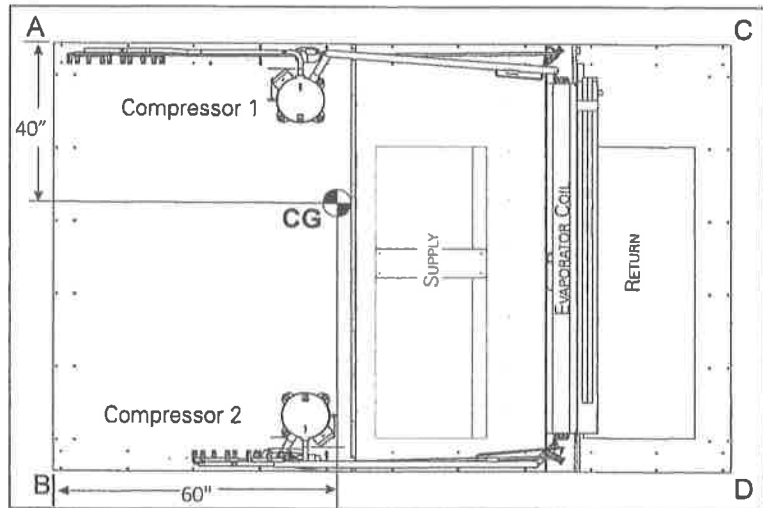
Important: If using bottom discharge with roof curb, duct-work should be attached to the curb prior to installing the unit. Duct-work dimensions are shown in Roof Curb Installation Instructions Manual.

Refer to the Roof Curb Installation Instructions for proper curb installation. Curbing must be installed in compliance with the National Roofing Contractors Association Manual.

Lower unit carefully onto roof mounting curb. While rigging the unit, the center of gravity will cause the condenser end to be lower than the supply air end.

Bring condenser end of unit into alignment with the curb. With condenser end of the unit resting on curb member and using curb as a fulcrum, lower opposite end of the unit until entire unit is seated on the curb. When a rectangular cantilever curb is used, take care to center the unit. Check for proper alignment and orientation of supply and return openings with duct.

To assist in determining rigging requirements, unit weights are shown below.



CORNER & CENTER-OF-GRAVITY LOCATIONS

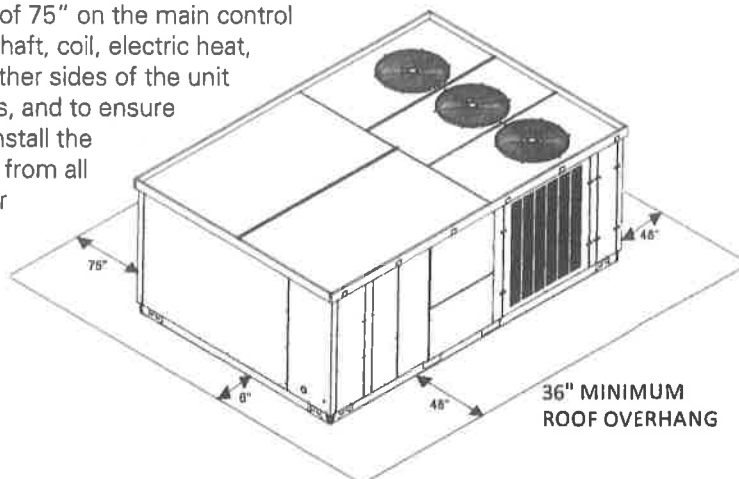
15-TON UNITS	WEIGHTS (LBS.)
Weight A	590
Weight B	482
Weight C	492
Weight D	401
Shipping Weight	2080
Operating Weight	1965

20-TON UNITS	WEIGHTS (LBS.)
Weight A	644
Weight B	525
Weight C	504
Weight D	412
Shipping Weight	2202
Operating Weight	2085

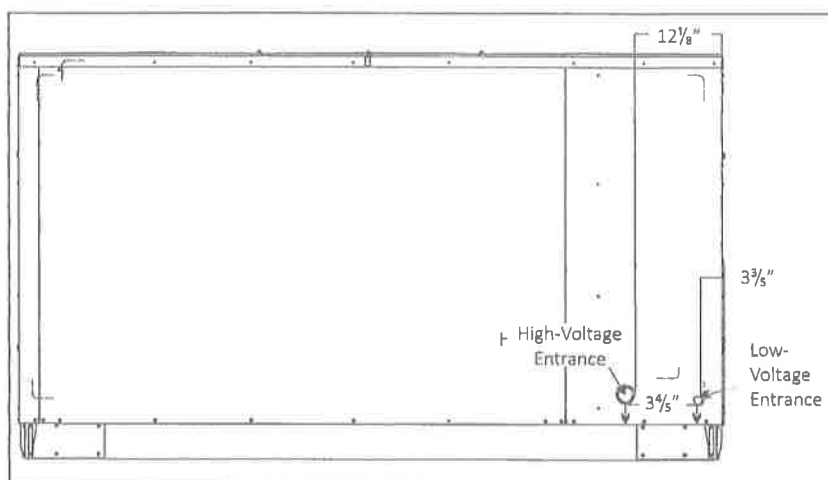
25-TON UNITS	WEIGHTS (LBS.)
Weight A	626
Weight B	464
Weight C	501
Weight D	518
Shipping Weight	2377
Operating Weight	2109

Note: These weights are calculated without installed accessories.

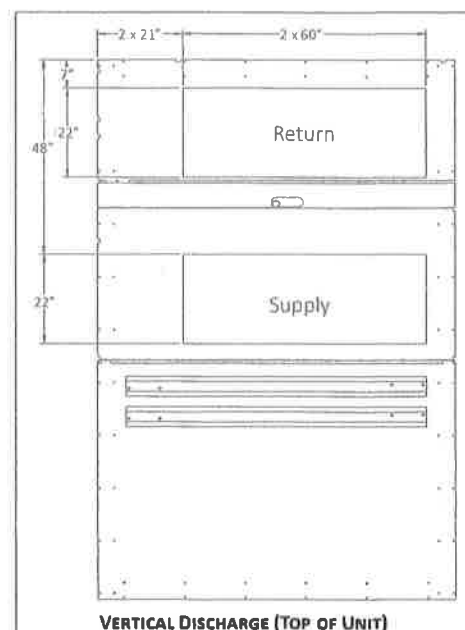
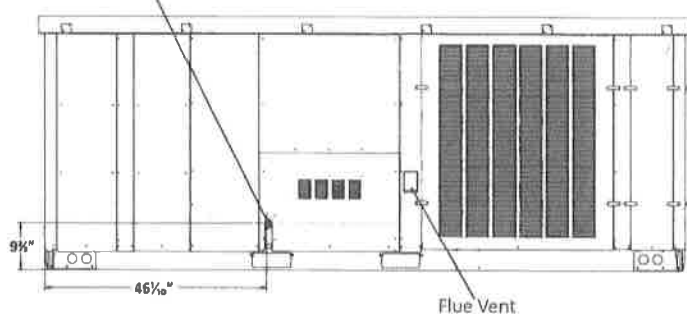
Maintain an adequate clearance around the unit for safety, service, maintenance, and proper unit operation. Leave a total clearance of 75" on the main control panel side of the unit for possible removal of fan shaft, coil, electric heat, and gas furnace. Leave a clearance of 48" on all other sides of the unit for possible compressor removal or service access, and to ensure proper ventilation and condenser airflow. Do not install the unit beneath any obstruction. Install the unit away from all building exhausts to inhibit Ingestion of exhaust air into the unit's fresh-air intake.

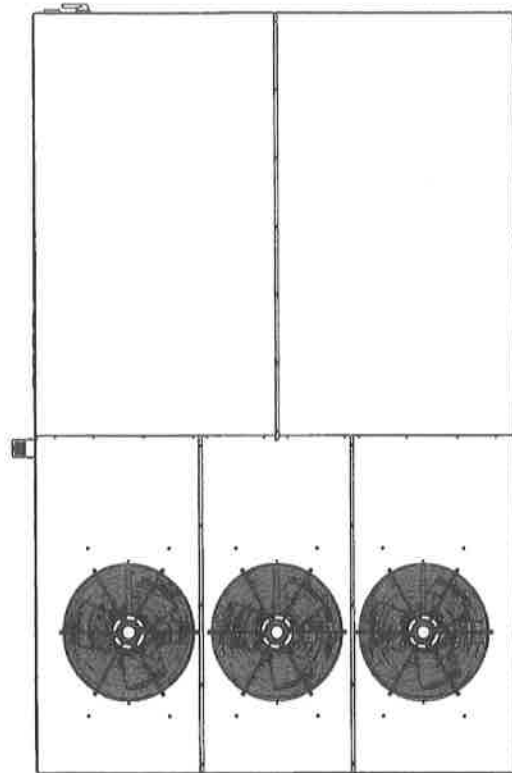


ELECTRICAL ENTRANCE LOCATIONS

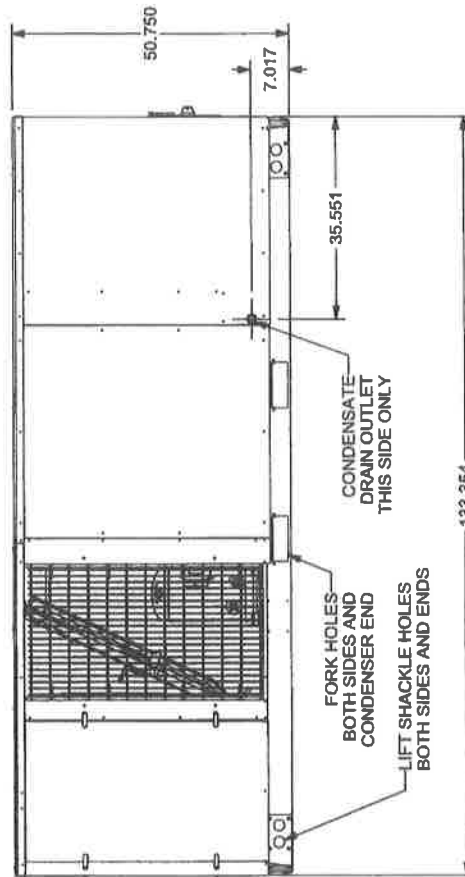


GAS INLET LOCATION (1/2" NPT)

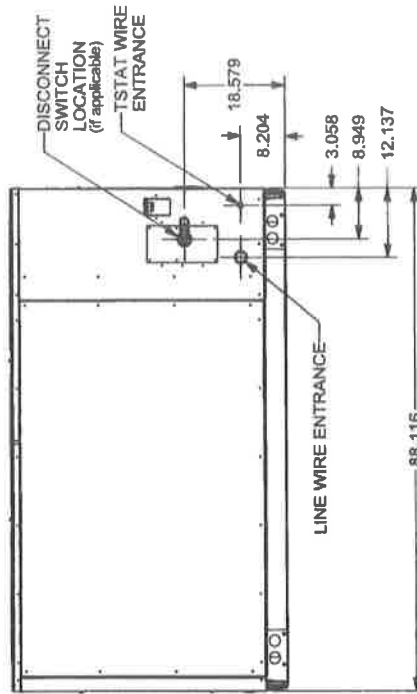




TOP VIEW



BACK VIEW



LEFT END VIEW

DC*180/240***

15 AND 20 TON COMERCIAL

ALL DIMENSIONS ARE GIVEN IN INCHES
ALL DIMENSIONS AND SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTIFICATION

MODEL NUMBER	ELECTRICAL RATING	COMPRESSOR CIRCUIT 1		COMPRESSOR CIRCUIT 2		OUTDOOR FAN MOTOR			INDOOR FAN MOTOR			OPTIONAL ELECTRIC HEAT			OPTIONAL POWERED CONVENIENCE OUTLET	UNIT POWER SUPPLY	
		RLA	LRA	RLA	LRA	QTY	HP	FLA	TYPE	HP	FLA	MODEL	KW*	FLA	FLA	MCA	MOP
DCC240XXX3W	208/230-3-60	34.0	240.0	34.0	240.0	3	0.33	2.0	2-speed High Static Belt Drive	7.50	20.3	-	-	-	-	103 / 103	125 / 125
												EHK3-31	21.6 / 28.8	60.0 / 69.3	-	103 / 112	125 / 125
												EHK3-46	32.4 / 43.2	90.1 / 104	-	138 / 155	150 / 175
												EHK3-60	43.3 / 57.6	120 / 139	-	175 / 164	175 / 175
												EHK3-75	54.1 / 72.0	150 / 173	-	175 / 199	200 / 225
												-	-	-	7.2 / 6.5	110 / 109	125 / 125
												EHK3-31	21.6 / 28.8	60.0 / 69.3	7.2 / 6.5	110 / 120	125 / 125
												EHK3-46	32.4 / 43.2	90.1 / 104	7.2 / 6.5	147 / 163	150 / 175
												EHK3-60	43.3 / 57.6	120 / 139	7.2 / 6.5	184 / 172	200 / 175
												EHK3-75	54.1 / 72.0	150 / 173	7.2 / 6.5	184 / 207	200 / 225
DCC240XXX3V	208/230-3-60	34.0	240.0	34.0	240.0	3	0.33	2.0	2-speed Belt Drive	5.00	14.0	-	-	-	-	96.4 / 96.4	125 / 125
												EHK3-31	21.6 / 28.8	60.0 / 69.3	-	130 / 147	150 / 150
												EHK3-46	32.4 / 43.2	90.1 / 104	-	168 / 156	175 / 175
												EHK3-60	43.3 / 57.6	120 / 139	-	168 / 191	200 / 225
												EHK3-75	54.1 / 72.0	150 / 173	-	104 / 103	125 / 125
												-	-	-	7.2 / 6.5	104 / 112	125 / 125
												EHK3-31	21.6 / 28.8	60.0 / 69.3	7.2 / 6.5	139 / 156	150 / 175
												EHK3-46	32.4 / 43.2	90.1 / 104	7.2 / 6.5	177 / 164	200 / 175
												EHK3-60	43.3 / 57.6	120 / 139	7.2 / 6.5	177 / 199	200 / 225
												EHK3-75	54.1 / 72.0	150 / 173	7.2 / 6.5	48.1	60
DCC240XXX4W	460-3-60	16.0	140.0	16.0	140.0	3	0.33	0.9	2-speed High Static Belt Drive	7.50	9.5	-	-	-	-	55.2	60
												EHK4-31	28.8	34.6	-	76.8	80
												EHK4-46	43.2	52.0	-	81.2	90
												EHK4-60	57.6	69.3	-	98.5	110
												EHK4-75	72.0	86.6	-	51.4	60
												-	-	-	3.3	59.3	60
												EHK4-31	28.8	34.6	3.3	81.0	90
												EHK4-46	43.2	52.0	3.3	85.3	90
												EHK4-60	57.6	69.3	3.3	103	110
												EHK4-75	72.0	86.6	3.3	45.2	60
DCC240XXX4V	460-3-60	16.0	140.0	16.0	140.0	3	0.33	0.9	2-speed Belt Drive	5.00	6.6	-	-	-	-	51.6	60
												EHK4-31	28.8	34.6	-	73.2	80
												EHK4-46	43.2	52.0	-	77.5	90
												EHK4-60	57.6	69.3	-	94.9	110
												EHK4-75	72.0	86.6	-	48.5	60
												-	-	-	3.3	55.7	60
												EHK4-31	28.8	34.6	3.3	77.3	80
												EHK4-46	43.2	52.0	3.3	81.7	90
												EHK4-60	57.6	69.3	3.3	99.0	110
												EHK4-75	72.0	86.6	3.3	38.7	50
DCC240XXX7W	575-3-60	12.9	107.6	12.9	107.6	3	0.33	0.7	2-speed High Static Belt Drive	7.50	7.5	-	-	-	-	45.5	50
												EHK7-31	28.8	28.9	-	63.6	70
												EHK7-46	43.2	43.4	-	67.2	80
												EHK7-60	57.6	57.8	-	81.7	90
												EHK7-75	72.0	72.3	-	41.3	50
												-	-	-	2.6	48.8	50
												EHK7-31	28.8	28.9	2.6	66.8	70
												EHK7-46	43.2	43.4	2.6	70.5	80
												EHK7-60	57.6	57.8	2.6	84.9	100
												EHK7-75	72.0	72.3	2.6	36.4	45
DCC240XXX7V	575-3-60	12.9	107.6	12.9	107.6	3	0.33	0.7	2-speed Belt Drive	5.00	5.2	-	-	-	-	42.6	45
												EHK7-31	28.8	28.9	-	60.7	70
												EHK7-46	43.2	43.4	-	64.3	70
												EHK7-60	57.6	57.8	-	78.8	90
												EHK7-75	72.0	72.3	-	39.0	50
												-	-	-	2.6	45.9	50
												EHK7-31	28.8	28.9	2.6	64.0	70
												EHK7-46	43.2	43.4	2.6	67.6	80
												EHK7-60	57.6	57.8	2.6	82.0	90
												EHK7-75	72.0	72.3	2.6		

* Electric Heater kW rating: Rated at 240v for 208-230v units; 480v for 460v units

STANDARD TWO-SPEED BELT DRIVE AT HIGH SPEED — DOWN SHOT

ESP (" H ₂ O)	TURNS OPEN													
	0		1		2		3		4		5		6	
	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP
0.2	---	---	---	---	---	---	---	---	---	---	7203	2.18	6718	1.84
0.4	---	---	---	---	---	---	7306	2.54	6777	2.14	6257	1.80	5711	1.48
0.6	---	---	7477	2.97	6899	2.51	6323	2.10	5716	1.72	5103	1.39	---	---
0.8	7112	2.96	6467	2.46	5795	2.01	5101	1.61	---	---	---	---	---	---
1.0	5983	2.38	5190	1.89	---	---	---	---	---	---	---	---	---	---
1.2	4426	1.71	---	---	---	---	---	---	---	---	---	---	---	---

TWO-SPEED HIGH-STATIC BELT DRIVE AT HIGH SPEED — DOWN SHOT

ESP (" H ₂ O)	TURNS OPEN											
	0		1		2		3		4		5	
	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP
0.8	---	---	---	---	---	---	---	---	---	---	6580	4.30
1.0	---	---	---	---	---	---	6930	5.14	6432	4.53	5908	3.98
1.2	---	---	---	---	6866	5.52	6382	4.80	5916	4.24	5370	3.68
1.4	---	---	6779	5.80	6417	5.22	5914	4.52	5307	3.89	---	---
1.6	6685	6.06	6391	5.52	5954	4.90	5288	4.18	---	---	---	---
1.8	6248	5.75	5782	5.09	5261	4.50	---	---	---	---	---	---
2.0	5664	5.31	5111	4.71	---	---	---	---	---	---	---	---
2.2	5053	4.81	---	---	---	---	---	---	---	---	---	---

AIRFLOW DATA — 20 TONS

STANDARD TWO-SPEED BELT DRIVE AT HIGH SPEED — DOWN SHOT

ESP (" H ₂ O)	TURNS OPEN													
	0		1		2		3		4		5		6	
	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP
0.2	---	---	---	---	---	---	---	---	---	---	---	---	9664	4.05
0.4	---	---	---	---	---	---	---	---	9570	4.08	9197	3.82	8702	3.51
0.6	---	---	---	---	---	---	9038	3.82	8460	3.46	7949	3.14	---	---
0.8	---	---	8171	2.93	7630	3.70	7068	2.79	---	---	---	---	---	---
1.0	---	---	7901	2.85	7203	3.42	---	---	---	---	---	---	---	---
1.2	7344	4.35	---	---	---	---	---	---	---	---	---	---	---	---

TWO-SPEED HIGH-STATIC BELT DRIVE AT HIGH SPEED — DOWN SHOT

ESP (" H ₂ O)	TURNS OPEN											
	0		1		2		3		4		5	
	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP
0.8	---	---	---	---	---	---	---	---	8765	6.05	8225	5.38
1.0	---	---	---	---	---	---	8663	6.43	8040	5.67	7385	4.97
1.2	---	---	8978	7.61	8583	6.90	7978	6.00	7395	5.30	6713	4.60
1.4	8845	7.87	8474	7.26	8021	6.52	7393	5.65	6634	4.86	---	---
1.6	8356	7.58	7989	6.89	7442	6.13	6610	5.22	---	---	---	---
1.8	7810	7.18	7227	6.37	6576	5.62	---	---	---	---	---	---
2.0	7080	6.64	6389	5.89	---	---	---	---	---	---	---	---
2.2	6316	6.02	---	---	---	---	---	---	---	---	---	---

NOTES

- Airflow table represent dry coil with filters installed; SCFM correction factor for wet coil is 4%.
- Any adjustment made to the blower should not cause the motor to draw more than the motor rated RLA. Minimum rated SCFM is 350 per ton.
- Unit factory shipped with the sheave set at 2.5 turns open.

EXPANDED COOLING DATA — 20 TONS (TWO-SPEED MOTOR AT HIGH SPEED)

		OUTDOOR AMBIENT TEMPERATURE																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
		65						75						85						95						105						115																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
IDB	AIRFLOW	59	63	67	71	75	79	83	87	91	95	99	103	107	111	115	119	123	127	131	135	139	143	147	151	155	159	163	167	171	175	179	183	187	191	195	199	203	207	211	215	219	223	227	231	235	239	243	247	251	255	259	263	267	271	275	279	283	287	291	295	299	303	307	311	315	319	323	327	331	335	339	343	347	351	355	359	363	367	371	375	379	383	387	391	395	399	403	407	411	415	419	423	427	431	435	439	443	447	451	455	459	463	467	471	475	479	483	487	491	495	499	503	507	511	515	519	523	527	531	535	539	543	547	551	555	559	563	567	571	575	579	583	587	591	595	599	603	607	611	615	619	623	627	631	635	639	643	647	651	655	659	663	667	671	675	679	683	687	691	695	699	703	707	711	715	719	723	727	731	735	739	743	747	751	755	759	763	767	771	775	779	783	787	791	795	799	803	807	811	815	819	823	827	831	835	839	843	847	851	855	859	863	867	871	875	879	883	887	891	895	899	903	907	911	915	919	923	927	931	935	939	943	947	951	955	959	963	967	971	975	979	983	987	991	995	999	1003	1007	1011	1015	1019	1023	1027	1031	1035	1039	1043	1047	1051	1055	1059	1063	1067	1071	1075	1079	1083	1087	1091	1095	1099	1103	1107	1111	1115	1119	1123	1127	1131	1135	1139	1143	1147	1151	1155	1159	1163	1167	1171	1175	1179	1183	1187	1191	1195	1199	1203	1207	1211	1215	1219	1223	1227	1231	1235	1239	1243	1247	1251	1255	1259	1263	1267	1271	1275	1279	1283	1287	1291	1295	1299	1303	1307	1311	1315	1319	1323	1327	1331	1335	1339	1343	1347	1351	1355	1359	1363	1367	1371	1375	1379	1383	1387	1391	1395	1399	1403	1407	1411	1415	1419	1423	1427	1431	1435	1439	1443	1447	1451	1455	1459	1463	1467	1471	1475	1479	1483	1487	1491	1495	1499	1503	1507	1511	1515	1519	1523	1527	1531	1535	1539	1543	1547	1551	1555	1559	1563	1567	1571	1575	1579	1583	1587	1591	1595	1599	1603	1607	1611	1615	1619	1623	1627	1631	1635	1639	1643	1647	1651	1655	1659	1663	1667	1671	1675	1679	1683	1687	1691	1695	1699	1703	1707	1711	1715	1719	1723	1727	1731	1735	1739	1743	1747	1751	1755	1759	1763	1767	1771	1775	1779	1783	1787	1791	1795	1799	1803	1807	1811	1815	1819	1823	1827	1831	1835	1839	1843	1847	1851	1855	1859	1863	1867	1871	1875	1879	1883	1887	1891	1895	1899	1903	1907	1911	1915	1919	1923	1927	1931	1935	1939	1943	1947	1951	1955	1959	1963	1967	1971	1975	1979	1983	1987	1991	1995	1999	2003	2007	2011	2015	2019	2023	2027	2031	2035	2039	2043	2047	2051	2055	2059	2063	2067	2071	2075	2079	2083	2087	2091	2095	2099	2103	2107	2111	2115	2119	2123	2127	2131	2135	2139	2143	2147	2151	2155	2159	2163	2167	2171	2175	2179	2183	2187	2191	2195	2199	2203	2207	2211	2215	2219	2223	2227	2231	2235	2239	2243	2247	2251	2255	2259	2263	2267	2271	2275	2279	2283	2287	2291	2295	2299	2303	2307	2311	2315	2319	2323	2327	2331	2335	2339	2343	2347	2351	2355	2359	2363	2367	2371	2375	2379	2383	2387	2391	2395	2399	2403	2407	2411	2415	2419	2423	2427	2431	2435	2439	2443	2447	2451	2455	2459	2463	2467	2471	2475	2479	2483	2487	2491	2495	2499	2503	2507	2511	2515	2519	2523	2527	2531	2535	2539	2543	2547	2551	2555	2559	2563	2567	2571	2575	2579	2583	2587	2591	2595	2599	2603	2607	2611	2615	2619	2623	2627	2631	2635	2639	2643	2647	2651	2655	2659	2663	2667	2671	2675	2679	2683	2687	2691	2695	2699	2703	2707	2711	2715	2719	2723	2727	2731	2735	2739	2743	2747	2751	2755	2759	2763	2767	2771	2775	2779	2783	2787	2791	2795	2799	2803	2807	2811	2815	2819	2823	2827	2831	2835	2839	2843	2847	2851	2855	2859	2863	2867	2871	2875	2879	2883	2887	2891	2895	2899	2903	2907	2911	2915	2919	2923	2927	2931	2935	2939	2943	2947	2951	2955	2959	2963	2967	2971	2975	2979	2983	2987	2991	2995	2999	3003	3007	3011	3015	3019	3023	3027	3031	3035	3039	3043	3047	3051	3055	3059	3063	3067	3071	3075	3079	3083	3087	3091	3095	3099	3103	3107	3111	3115	3119	3123	3127	3131	3135	3139	3143	3147	3151	3155	3159	3163	3167	3171	3175	3179	3183	3187	3191	3195	3199	3203	3207	3211	3215	3219	3223	3227	3231	3235	3239	3243	3247	3251	3255	3259	3263	3267	3271	3275	3279	3283	3287	3291	3295	3299	3303	3307	3311	3315	3319	3323	3327	3331	3335	3339	3343	3347	3351	3355	3359	3363	3367	3371	3375	3379	3383	3387	3391	3395	3399	3403	3407	3411	3415	3419	3423	3427	3431	3435	3439	3443	3447	3451	3455	3459	3463	3467	3471	3475	3479	3483	3487	3491	3495	3499	3503	3507	3511	3515	3519	3523	3527	3531	3535	3539	3543	3547	3551	3555	3559	3563	3567	3571	3575	3579	3583	3587	3591	3595	3599	3603	3607	3611	3615	3619	3623	3627	3631	3635	3639	3643	3647	3651	3655	3659	3663	3667	3671	3675	3679	3683	3687	3691	3695	3699	3703	3707	3711	3715	3719	3723	3727	3731	3735	3739	3743	3747	3751	3755	3759	3763	3767	3771	3775	3779	3783	3787	3791	3795	3799	3803	3807	3811	3815	3819	3823	3827	3831	3835	3839	3843	3847	3851	3855	3859	3863	3867	3871	3875	3879	3883	3887	3891	3895	3899	3903	3907	3911	3915	3919	3923	3927	3931	3935	3939	3943	3947	3951	3955	3959	3963	3967	3971	3975	3979	3983	3987	3991	3995	3999	4003	4007	4011	4015	4019	4023	4027	4031	4035	4039	4043	4047	4051	4055	4059	4063	4067	4071	4075	4079	4083	4087	4091	4095	4099	4103	4107	4111	4115	4119	4123	4127	4131	4135	4139	4143	4147	4151	4155	4159	4163	4167	4171	4175	4179	4183	4187	4191	4195	4199	4203	4207	4211	4215	4219	4223	4227	4231	4235	4239	4243	4247	4251	4255	4259	4263	4267	4271	4275	4279	4283	4287	4291	4295	4299	4303	4307	4311	4315	4319	4323	4327	4331	4335	4339	4343	4347	4351	4355	4359	4363	4367	4371	4375	4379	4383	4387	4391	4395	4399	4403	4407	4411	4415	4419	4423	4427	4431	4435	4439	4443	4447	4451	4455	4459	4463	4467	4471	4475	4479	4483	4487	4491	4495	4499	4503	4507	4511	4515	4519	4523	4527	4531	4535	4539	4543	4547	4551	4555	4559	4563	4567	4571	4575	4579	4583	4587	4591	4595	4599	4603	4607	4611	4615	4619	4623	4627	4631	4635	4639	4643	4647	4651	4655	4659	4663	4667	4671	4675	4679	4683	4687	4691	4695	4699	4703	4707	4711	4715	4719	4723	4727	4731	4735	4739	4743	4747	4751	4755	4759	4763	4767	4771	4775	4779	4783	4787	4791	4795	4799	4803	4807	4811	4815	4819	4823	4827	4831	4835	4839	4843	4847	4851	4855	4859</

IDB		OUTDOOR AMBIENT TEMPERATURE																																			
		65						75						85						95						105						115					
		ENTERING INDOOR WET BULB TEMPERATURE																																			
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	59	63	67	71									
7875	MBh	235.2	243.8	267.1	-	229.7	238.1	260.9	-	224.2	232.4	254.6	-	218.8	226.8	248.4	-	207.8	215.4	236.0	-	192.5	199.5	218.6	-	192.5	199.5	218.6	-								
	S/T	0.76	0.63	0.44	-	0.78	0.66	0.45	-	0.80	0.67	0.47	-	0.83	0.69	0.48	-	0.86	0.72	0.50	-	0.87	0.73	0.50	-	0.87	0.73	0.50	-								
	ΔT	21	18	14	-	21	18	14	-	21	18	14	-	21	18	14	-	21	18	14	-	20	17	13	-	20	17	13	-								
	HI PR	259	279	294	-	290	313	330	-	330	356	375	-	376	405	428	-	423	456	481	-	468	503	531	-	468	503	531	-								
	LO PR	100	106	116	-	105	112	122	-	110	117	127	-	115	122	134	-	121	128	140	-	125	133	145	-	125	133	145	-								
70	MBh	228.3	236.7	259.3	-	223.0	231.2	253.3	-	217.7	225.7	247.2	-	212.4	220.1	241.2	-	201.8	209.1	229.1	-	186.9	193.7	212.3	-	186.9	193.7	212.3	-								
	S/T	0.72	0.60	0.42	-	0.75	0.63	0.43	-	0.77	0.64	0.44	-	0.79	0.66	0.46	-	0.82	0.69	0.48	-	0.83	0.69	0.48	-	0.83	0.69	0.48	-								
	ΔT	22	19	14	-	22	19	14	-	22	19	14	-	22	19	15	-	22	19	14	-	20	18	13	-	20	18	13	-								
	HI PR	256	276	291	-	288	310	327	-	327	352	372	-	373	401	423	-	419	451	476	-	463	498	526	-	463	498	526	-								
	LO PR	99	105	115	-	104	111	121	-	108	115	126	-	114	121	132	-	119	127	139	-	123	131	143	-	123	131	143	-								
5600	MBh	210.7	218.4	239.3	-	205.8	213.4	233.8	-	200.9	208.3	228.2	-	196.0	203.2	222.6	-	186.2	193.0	211.5	-	172.5	178.8	195.9	-	172.5	178.8	195.9	-								
	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	-	0.80	0.67	0.46	-								
	ΔT	24	21	16	-	24	21	16	-	24	21	16	-	25	21	16	-	24	21	16	-	23	20	15	-	23	20	15	-								
	HI PR	249	268	283	-	279	300	317	-	317	341	361	-	361	389	411	-	407	438	462	-	449	483	510	-	449	483	510	-								
	LO PR	96	102	111	-	101	108	118	-	105	112	122	-	110	118	128	-	116	123	134	-	120	127	139	-	120	127	139	-								
7875	MBh	239.2	246.2	266.5	286.1	233.6	240.5	260.3	279.4	228.0	234.8	254.1	272.8	222.5	229.1	247.9	266.1	211.4	217.6	235.5	252.8	195.8	201.6	218.2	234.2	195.8	201.6	218.2	234.2								
	S/T	0.86	0.77	0.58	0.37	0.89	0.80	0.60	0.39	0.91	0.82	0.62	0.40	0.94	0.84	0.64	0.41	0.98	0.88	0.66	0.43	0.99	0.88	0.67	0.43	0.99	0.88	0.67	0.43								
	ΔT	24	22	18	13	24	22	18	13	24	22	18	13	25	23	19	13	24	22	18	13	23	21	17	12	23	21	17	12								
	HI PR	262	281	297	310	293	316	333	348	334	359	379	396	380	409	432	451	428	460	486	507	472	508	537	560	472	508	537	560								
	LO PR	101	107	117	125	106	113	124	132	111	118	129	137	116	124	135	144	122	130	141	151	126	134	146	156	126	134	146	156								
75	MBh	232.2	239.1	258.8	277.7	226.8	233.5	252.8	271.3	221.4	228.0	246.7	264.8	216.0	222.4	240.7	258.4	205.2	211.3	228.7	245.4	190.1	195.7	211.8	227.4	190.1	195.7	211.8	227.4								
	S/T	0.82	0.73	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	0.93	0.84	0.63	0.41	0.94	0.84	0.64	0.41	0.94	0.84	0.64	0.41								
	ΔT	25	23	19	13	25	23	19	13	25	23	19	13	26	24	19	13	25	23	19	13	24	22	18	12	24	22	18	12								
	HI PR	259	279	294	307	291	313	330	344	330	356	376	392	376	405	428	446	423	456	481	502	468	503	532	554	468	503	532	554								
	LO PR	100	106	116	123	105	112	122	130	110	117	127	136	115	122	134	142	121	128	140	149	125	133	145	154	125	133	145	154								
5600	MBh	214.3	220.7	238.8	256.3	209.3	215.5	233.3	250.4	204.4	210.4	227.7	244.4	199.4	205.3	222.2	238.5	189.4	195.0	211.1	226.5	175.4	180.6	195.5	209.8	175.4	180.6	195.5	209.8								
	S/T	0.79	0.71	0.54	0.34	0.82	0.73	0.56	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	0.62	0.40	0.91	0.81	0.62	0.40								
	ΔT	28	26	21	15	28	26	21	15	28	26	21	15	28	26	21	15	28	26	21	15	26	24	20	14	26	24	20	14								
	HI PR	251	270	285	298	282	303	320	334	321	345	364	380	365	393	415	433	411	442	467	487	454	488	516	538	454	488	516	538								
	LO PR	97	103	112	120	102	109	119	126	106	113	123	131	112	119	130	138	117	124	136	145	121	129	141	150	121	129	141	150								

IDB: Entering Indoor Dry Bulb Temperature

Shaded area reflects ACCA (TVA) conditions

High and low pressures are measured at the liquid and suction access fittings.

	DCC240 ***3V***B*	DCC240 ***4V***B*	DCC240 ***7V***B*
COOLING CAPACITY			
Total, BTU/h	240,000	240,000	240,000
Sensible BTU/h	181,000	181,000	181,000
EER / IEER	10.0 / 11.6	10.0 / 11.6	10.0 / 11.6
Decibels	88	88	88
ARI Reference #s	8813880	8813880	8813880
EVAPORATOR MOTOR / COIL			
Motor Type (Belt Drive)	2-Speed Belt	2-Speed Belt	2-Speed Belt
Indoor Nominal CFM	7,000	7,000	7,000
Indoor Motor FLA (Cooling)	14	5.6	5.2
Horsepower - RPM (Speed: Full / Low)	5.0 - 1,775/1,185	5.0 - 1,775/1,185	5.0 - 1,775/1,185
Metering Device	TXV	TXV	TXV
Filter Size (#)	20 x 25 x 2 (6)	20 x 25 x 2 (6)	20 x 25 x 2 (6)
Drain Size (NPT)	1"	1"	1"
R-410A Refrigerant Charge Cir #s 1 & 2	177 & 195 ozs.	177 & 195 ozs.	177 & 195 ozs.
Face Area (ft ²)	20	20	20
Rows Deep / Fins per Inch	4 / 16	4 / 16	4 / 16
BELT DRIVE EVAP FAN DATA			
# of Wheels (D x W)	2 (15" x 15")	2 (15" x 15")	2 (15" x 15")
Motor Sheave	1VP60 x 1 1/4"	1VP60 x 1 1/4"	1VP60 x 1 1/4"
Blower Sheave	BK100 x 1 7/16"	BK100 x 1 7/16"	BK100 x 1 7/16"
Belt	BX45	BX45	BX45
CONDENSER FAN / COIL			
Quantity of Condenser Fan Motors	3	3	3
Horsepower - RPM	3/4 - 1,075	3/4 - 1,075	3/4 - 1,075
Fan Diameter / # Fan Blades	22 / 3	22 / 3	22 / 3
Outdoor Nominal CFM	9,000	9,000	9,000
Face Area (ft ²)	53.3	53.3	53.3
Rows Deep / Fins per Inch	2 / 27	2 / 27	2 / 27
COMPRESSOR			
Quantity / Type	2 / Scroll	2 / Scroll	2 / Scroll
Compressor RLA / LRA CIR. #1	34.0 / 240.0	16.0 / 140.0	12.9 / 107.6
Compressor RLA / LRA CIR. #2	34.0 / 240.0	16.0 / 140.0	12.9 / 107.6
ELECTRICAL DATA / STATIC			
Voltage / Phase (60 Hz)	208/230-3-60	460-3-60	575-3-60
Outdoor Fan FLA / LRA	2.0 / 4.4	0.85 / 2.2	0.67 / 1.8
Total Unit Amps	88	41.2	33.0
Min. Circuit Ampacity ¹	96.4 / 96.4	43.5	35.0
Max. Overcurrent Protection (amps) ²	125 / 125	50	45
Entrance Power Supply	2 1/2"	2 1/4"	2 1/4"
Entrance Control Voltage	7/8"	3/4"	3/4"
OPERATING WEIGHT (LBS)			
	2085	2085	2085
SHIP WEIGHT (LBS)			
	2202	2202	2202

¹ Wire size should be determined in accordance with National Electrical Codes.

Extensive wire runs will require larger wire sizes.

² May use fuses or HACR-type circuit breakers of the same size as noted.

Note: Always check the S&R plate for electrical data on the unit being installed.

D	C	C	300	060	3	V	*	*	*	A	*
1	2	3	4,5,6	7,8,9	10	11	12	13	14	15	16

BRAND

D Daikin

CONFIGURATION

C Standard Efficiency (6 - 25 Tons)

S Standard Efficiency (3 - 5 Tons)

T High Efficiency (3 - 5 Tons)

APPLICATION

C Cooling¹

G Gas Heat

H Heat Pump¹

NOMINAL COOLING CAPACITY

036	3 Tons	102	8½ Tons	300	25 Tons
048	4 Tons	120	10 Tons		
060	5 Tons	150	12½ tons		
072	6 Tons	180	15 Tons		
090	7½ Tons	<u>240</u>	20 Tons		

NOMINAL HEATING CAPACITY

Gas/Electric	A/C H/P	Factory-Installed Electric Heat
045 45,000 BTU/h	XXX	No Heat
090 90,000 BTU/h	010	10 kW
115 115,000 BTU/h	015	15 kW
140 140,000 BTU/h	016	15 kW
210 210,000 BTU/h	018	18 kW
350 350,000 BTU/h	020	20 kW
<u>400</u> 400,000 BTU/h	025	25 kW

See product specifications for heat size(s) available for each capacity.

VOLTAGE

1	208-230/1/60 (DS* & DT* 3-5 Tons models only)	4	460/3/60
<u>3</u>	<u>208-230/3/60</u>	7	575/3/60

SUPPLY FAN/DRIVE TYPE/MOTOR

B Belt Drive (3-5 Tons single speed models only)

D Direct Drive (3-5 Tons single speed models only)

H High Static (3-5 Tons single-speed Belt Drive models only)

V Two-Speed Belt Drive (6-25 Tons only)

W High Static (6-25 Tons two-speed Belt Drive models only)

FACTORY-INSTALLED OPTIONS

A Ultra Low-Leak Downflow Economizer

B DDC-BACnet protocol

F Ultra Low-Leak Downflow Economizer; DDC-BACnet protocol

H Disconnect Switch (non-fused)

J Ultra Low-Leak Downflow Economizer; Disconnect Switch (non-fused)

M Disconnect Switch (non-fused); DDC-BACnet protocol

R Ultra Low-Leak Downflow Economizer; DDC-BACnet protocol;

Disconnect Switch (non-fused)

V Low-Leak Downflow Economizer

W Low-Leak Downflow Economizer Disconnect Switch (non-fused)

X No Options

Note: Not all options available for all products.

¹ X= No Options in character 13th

REVISION LEVELS

Major & Minor

FACTORY-INSTALLED OPTIONS

- X No Options
- A Non-powered convenience outlet
- B Powered convenience outlet
- C Low-ambient kit
- D Return air smoke detector
- E Supply air smoke detector
- F Non-powered convenience outlet; Low-ambient kit
- G Non-powered convenience outlet; Return air smoke detector
- H Non-powered convenience outlet; Supply air smoke detector
- J Non-powered convenience outlet; Return & Supply air smoke detectors
- K Non-powered convenience outlet; Low-ambient kit; Supply air smoke detector
- L Non-powered convenience outlet; Low-ambient kit Return & Supply air smoke detectors
- M Powered convenience outlet; Low-ambient kit
- N Powered convenience outlet; Return air smoke detector
- O Powered convenience outlet; Return & Supply air smoke detectors
- P Powered convenience outlet; Supply air smoke detector
- Q Powered convenience outlet; Low-ambient kit; Return air smoke detector
- R Powered convenience outlet; Low-ambient kit; Supply air smoke detector
- T Powered convenience outlet; Low-ambient kit; Return & Supply air smoke detectors
- U Non-powered convenience outlet; Low-ambient kit; Return air smoke detector
- V Low-ambient kit; Return air smoke detector
- W Low-ambient kit; Supply air smoke detector
- Y Low-ambient kit; Return & Supply air smoke detectors
- Z Return & Supply air smoke detectors

FACTORY-INSTALLED OPTIONS

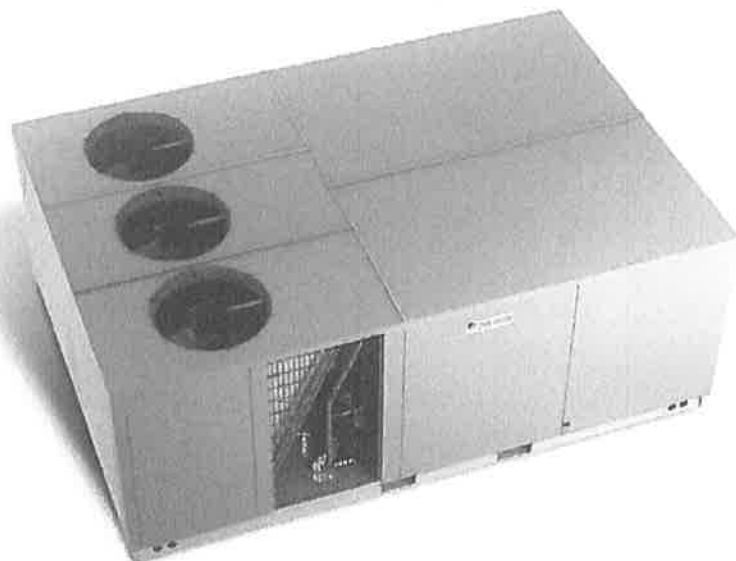
- X Standard Aluminized Heat Exchanger
- S Stainless-Steel Heat Exchanger
- D Hinged Panels
- K Stainless-Steel Heat Exchanger; Hinged Panels
- B Phase Monitor
- J Stainless Steel Heat Exchanger; Phase Monitor
- M Hinged Panel; Phase Monitor
- L Stainless-Steel Heat Exchanger; Hinged Panels; Phase Monitor

15 - 25 TONS PACKAGED AIR CONDITIONERS

15 TONS COOLING CAPACITY: 180,000 BTU/H

20 TONS COOLING CAPACITY: 240,000 BTU/H

25 TONS COOLING CAPACITY: 290,000 BTU/H



■ Contents

Nomenclature	2
Product Specifications	4
Expanded Cooling Data	7
Airflow Data	13
Crankcase Heater	15
Electrical Data / Heat Kit Data	16
Dimensions	20
Wiring Diagrams	25
– for Models with DDC Controls	28
Accessories	32

■ Standard Features

- High-efficiency scroll compressor
- Copper tube / aluminum fin coils
- Aluminum micro-channel indoor coil on 25-ton units
- 25-ton models contain two outdoor fans
- High- and low-pressure switches
- High-capacity, steel-cased filter drier
- Heater kits with single-point entry
- Crankcase heaters
- 24-volt terminal strip
- Power block for field wiring
- Units meet the performance outlined in Table 6.8.1-1 of ASHRAE Standard 90.1-2013
- AHRI Certified; ETL Listed

■ Cabinet Features

- Heavy-gauge, galvanized-steel cabinet with UV-resistant powder-paint finish
- Built-in filter rack with standard 2" filters (convertible to 4" filters)
- Full perimeter rail
- Sloped drain pan



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



5860 Belle Isle Road
Syracuse, New York 13209
Phone: (315) 484-9048
Fax: (315) 484-9528

RESUBMITTAL DATA #1

PROJECT:

Liberty Resources
James Street
Syracuse, NY

CUSTOMER:

All Seasons Mechanical
6744 Townline Road
Syracuse, NY 13220
Contact: Brian Crispin
(315) 455-1920

ENGINEER:

ASM Engineering
Syracuse, NY

SUBMITTED BY:

Modular Comfort Systems, Inc.
5860 Belle Isle Road
Syracuse, NY 13209
CONTACT: Chris Miller
(315) 484-9048

Equipment: (1) Daikin DCG Packaged Rooftop Unit

(RTU-1)

Job Notes: Service side discharge curb.

Downflow economizer kit to be field installed.

Date: 7/24/19



ORDER	8112802
Model	DCU24B6003VXXX
Brand	DAIKIN
Configuration	STANDARD EFFICIENCY (A - 25 TONS)
Application	GAS HEAT
Nominal Cooling Capacity	25 TONS
Nominal Heating Capacity	GAS/ELECTRIC 400,000 BTU/H
Voltage	208-230V/1PH
Supply Fan/Drive/Motor	TWO - SPEED BELT DRIVE OR 5 - TON WITH TWO - STAGE COMPRESSOR
Factory - Installed Option	
Factory - Installed Option	
Factory - Installed Option	



www.liberty-resources.org

Facilities Department

Phone: 315-425-1004

Email: jtetrault@liberty-resources.org

1045 James Street
Syracuse, NY 13203

The information contained in this message is intended only for the recipients, may be confidential and protected from disclosure. If you are not the intended recipient, or an employee responsible for delivering this message to the intended recipient, please be aware that any dissemination or copying of this communication is strictly prohibited. If you have received this communication in error, please immediately notify us by replying to the message and deleting it from your computer and we apologize for any inconvenience this message may have caused.

From: Jeff Tetrault

Sent: Monday, June 21, 2021 3:57 PM

To: Chris Miller <cmiller@mcsmms.com>

Subject: Dakin RTU

Hi Chris- this is the RTU we bought for a temp solution awhile back, you have any interest in it or know anyone that may? If not, could you send us the submittal and manual on it and we'll auction it away, thanks





