



ROOFTOP PACKAGE UNIT

AIR CONDITIONERS

Capacity 4-25TR

3RTH - 50Hz

R410A



MAKING LIFE COOL

TABLE OF CONTENTS

INTRODUCTION.....	3
SALIENT FEATURES.....	4
ENGINEERING SPECIFICATIONS	5
COOLING PERFORMANCE DATA	6
ELECTRICAL DATA.....	16
FAN PERFORMANCE DATA	17
GENERAL ARRANGEMENT DRAWINGS	19
WIRING DIAGRAM	23

INTRODUCTION

Roof top package units have been developed & produced to provide not only the ultimate indoor comfort, but also to guarantee long & trouble free operations.

Here lies the reason for the choice of only the highest quality components and design strategists to meet the most important objective such as:

- EFFICIENCY
- RELIABILITY
- FLEXIBILITY
- EASY INSTALLABILITY
- SERVICEABILITY
- AFFORDABILITY

3RTH



FEATURES

Standard Features

- Refrigerant : R410A.
- Power Supply: 380-415V/3PH/50Hz.
- Factory Wired with Single Point Power Input.
- Scroll Compressor.
- High Pressure & Low Pressure Safety Switches.
- Power Controller, High/Low Voltage, Phase Loss/Reversal Protection.
- All units are provided with ON-Delay timers for Anti-short cycling.
- Internal Motor Protection for 3Ø Indoor & Outdoor Motors.
- All Units are designed to operate with 24V Universal Thermostat.
- Direct Drive Blower Motor Assembly for 4TR & 5TR Units.
- Belt Drive Blower Motor Assembly for 6TR to 25 TR units.
- Flow metric device.
- Condenser Fans are Propeller type Direct Driven, draw through Vertical Discharge with fan guard mounted to the Panel.
- Condenser & Evaporator Coils are with Copper tubes and Aluminum fins.
- IP55 Class F Blower Motor for 15TR and above.
- Weather resistant steel cabinet, qualified for 1000 Hours of Salt Spray test.
- Disposable Panel Air filter

Optional Features

- Electric Heater.
- Overload External protection for Blower Motor.
- Anti Ice thermostat.
- Hydrophilic Fin for Evaporator Coil.
- Copper Fins for Evaporator & Condenser coil.
- Heresite Coated Condenser Coil.
- Stainless Steel Drain Pan.
- Filter Differential pressure Switch.
- Overload External Protection for Compressor & Condenser Fan.
- Compressor Alternating Switch.
- Hour Run Meter.
- Fan Cycling Switch.
- Low Ambient kit.
- Rotolock Compressor
- Circuit breaker (MCB) for Compressor, Condenser Motor & Blower Motor.
- Pump Down System.
- Dual Adjustable Pressure Switch.
- Hot Gas Bypass (with Solenoid).
- Pressure Gauges.
- Oversized Blower Motor & Alternate Drive Package.
- PCB Controller.
- Advanced Microprocessor Controller.
- Adjustable Voltage Monitor.
- UV Light.
- Adjustable Pressure Switch.
- IP55 Class F Blower Motor up to 12.5TR
- VFD for Blower Motor.
- Soft Starter for Blower Motor.
- Volt free Contacts for Compressor & Blower ON/OFF/TRIP Status.
- Fire Alarm Interlock
- Crankcase Heater for Compressor
- Thermal Expansion Valve.
- Sight Glass
- G2/G4 Air Filter

HIGH EER ROOF TOP PACKAGE - R410A PRODUCT DATA BOOK

ENGINEERING SPECIFICATIONS

Roof Top Package Units

TECHNICAL SPECIFICATIONS - ROOF TOP PACKAGE UNIT							
MODEL			3RTH048GC1	3RTH060GC1	3RTH072GC1	3RTH090GC1	
RATED CAPACITY @T1 *	Cooling	Btu/Hr	49,000	60,500	69,000	88,000	
RATED POWER CONSUMPTION @T1		W	4,220	5,200	5,950	7,600	
EER @T1 *			11.61	11.63	11.60	11.58	
RATED CAPACITY @T3 **	Cooling	Btu/Hr	43,500	52,900	61,000	77,000	
RATED POWER CONSUMPTION @T3 **		W	5,200	6,300	7,300	9,200	
EER @T3 **			8.37	8.40	8.36	8.37	
EXTERNAL STATIC PRESSURE			0.2	0.2	0.25	0.25	
NOMINAL AIR FLOW		CFM	1,600	1,950	2,400	3,000	
REFRIGERATION CIRCUIT	Standard	NOS	1				
ELECTRICAL DATA	POWER SUPPLY	V-PH-HZ	380-415V/3Ph/50 Hz				
Refrigerant	Type		R410A				
	Type		Propellor				
CONDENSER FAN	Size-Diameter std	INCH	26"	26"	26"	26"	
	Quantity		1	1	1	1	
CONDENSER MOTOR	Power Supply	V-PH-HZ	220-240V/1Ph/50Hz				
	Motor Power	HP	0.75	0.75	0.75	0.75	
CONDENSER COIL	Type		Corrugated Aluminium Fin with Inner grooved copper coil				
	Tube size(O.D)	INCH	3/8"				
	ROW/FPI		2R/14FPI	3R/14FPI	4R/14FPI	4R/15 FPI	
	Number of Coils		1	1	2	1	
EVAPORATOR BLOWER	Type		Centrifugal				
	DIA X WIDTH	INCH	11" X 9"	11" X 9"	12" X 12"	15" X15"	
	Drive type/Motor step		DIRECT	DIRECT	BELT/1	BELT/1	
BLOWER MOTOR	Power Supply	V-PH-HZ	220-240V/1Ph/50Hz		380-415V/3Ph/50 Hz		
	Quantity		1	1	1	1	
	Motor Power	HP	0.75	1	1.3	1.3	
EVAPORATOR COIL	Type		Corrugated Aluminium Fin with Inner grooved copper coil				
	Tube size(O.D)	INCH	3/8"				
	ROW/FPI		3R/16FPI	4R/16 FPI	3R/16 FPI	4R/16 FPI	
CONDENSATE DRAIN SIZE	INCH	INCH	1"	1"	1"	1"	
UNIT DIMENSIONS		WxDxH (mm)	1790 x 1024 x 1049	1790 x 1024 x 1049	1790 x 1024 x 1160	2028 x 1024 x 1160	
UNIT WEIGHT		KG	374	394	452	515	

TECHNICAL SPECIFICATIONS - ROOF TOP PACKAGE UNIT								
MODEL			3RTH120GC2	3RTH150GC2	3RTH180GC2	3RTH216GC2	3RTH240GC2	3RTH300GC2
RATED CAPACITY @T1 *	Cooling	Btu/Hr	122,500	156,800	187,500	213,000	245,000	278,800
RATED POWER CONSUMPTION @T1		W	10,600	13,500	16,200	18,400	21,100	24,100
EER @T1 *			11.56	11.61	11.57	11.58	11.61	11.57
RATED CAPACITY @T3 **	Cooling	Btu/Hr	107,500	137,500	165,700	185,000	214,500	248,000
RATED POWER CONSUMPTION @T3 **		W	12,800	16,800	20,300	22,600	26,350	31,500
EER @T3 **			8.40	8.18	8.16	8.19	8.14	7.87
EXTERNAL STATIC PRESSURE			0.3	0.3	0.4	0.4	0.4	0.4
NOMINAL AIR FLOW		CFM	4,000	5,000	5,800	7,200	8,000	9,400
REFRIGERATION CIRCUIT	Standard	NOS	2					
ELECTRICAL DATA	POWER SUPPLY	V-PH-HZ	380-415V/3Ph/50 Hz					
Refrigerant	Type		R410A					
	Type		Propellor					
CONDENSER FAN	Size-Diameter std	INCH	25"	26"	30"	26"	26"	26"
	Quantity		2	2	2	4	4	4
CONDENSER MOTOR	Power Supply	V-PH-HZ	220-240V/1Ph/50Hz		380-415V/3Ph/50 Hz		220-240V/1Ph/50Hz	
	Motor Power	HP	0.5	0.75	1.5	0.5	0.5	0.5
CONDENSER COIL	Type		Corrugated Aluminium Fin with Inner grooved copper coil					
	Tube size(O.D)	INCH	3/8"					
	ROW/FPI		3R/15 FPI	4R/16 FPI	3R/14 FPI	3R/14 FPI	3R/14 FPI	3R/14 FPI
	Number of Coils		2	2	4	2	2	2
EVAPORATOR BLOWER	Type		Centrifugal					
	DIA X WIDTH	INCH	15" X15"	15" X15"	15" X15" - Twin	15" X15" - Twin	15" X15" - Twin	15" X15" - Twin
	Drive type/Motor step		BELT/1	BELT/1	BELT/1	BELT/1	BELT/1	BELT/1
BLOWER MOTOR	Power Supply	V-PH-HZ	380-415V/3Ph/50 Hz					
	Quantity		1	1	1	1	1	1
	Motor Power	HP	2.6	2.6	5	5	5	7.5
EVAPORATOR COIL	Type		Corrugated Aluminium Fin with Inner grooved copper coil					
	Tube size(O.D)	INCH	3/8"					
	ROW/FPI		3R/16 FPI	4R/16 FPI	4R/14 FPI	4R/14 FPI	4R/14 FPI	4R/14 FPI
CONDENSATE DRAIN SIZE	INCH	INCH	1"	1"	1"	1"	1"	
UNIT DIMENSIONS		WxDxH (mm)	2265 x 1505 x 1383	2092 x 2030 x 1520	2548 x 2150 x 1755	3312 x 2150 x 2100	3312 x 2150 x 2100	3312 x 2150 x 2100
UNIT WEIGHT		KG	819	882	1274	1580	1601	1615

NOTES:
 Cooling Capacity & Power Consumption given are for the whole set unit.
 *Cooling Capacity & EER are rated @ 80°F DBT/67°F WBT indoor and 95°F DBT outdoor.
 ** Cooling Capacity & EER are rated @ 84.2°F DBT/66.2°F WBT indoor and 114.8°F DBT outdoor .
 As a result of continuous research and development, the above specifications are subject to changes without notice.

HIGH EER ROOF TOP PACKAGE - R410A PRODUCT DATA BOOK

COOLING PERFORMANCE DATA

048K

MODEL	EVAPORATOR CFM	DBT (°F)	WBT (°F)	AMBIENT AIR TEMPERATURE (°F)																		
				85.00			95.00			105.00			114.80			118.40			125.00			
				TC Btu/hr	SC Btu/hr	PI	TC Btu/hr	SC Btu/hr	PI	TC Btu/hr	SC Btu/hr	PI	TC Btu/hr	SC Btu/hr	PI	TC Btu/hr	SC Btu/hr	PI	TC Btu/hr	SC Btu/hr	PI	
3RTH048GC1																						
1400																						
80	65	48389	37692	3.88	46148	36674	4.22	43809	33816	4.48	40728	34544	5.07	39235	33904	5.32	35930	32412	5.66	33798	33798	5.49
80	63	46046	41258	3.88	43906	40239	4.22	41629	39345	4.40	38809	38382	4.98	37316	37316	5.16	33798	33798	5.49	33798	33798	5.49
78	69	50528	29441	3.84	48491	28524	4.22	46301	27926	4.48	43713	27188	5.20	42221	26548	5.46	38915	25375	5.83	38915	25375	5.83
78	67	49611	32497	3.88	47370	31580	4.22	44848	30833	4.48	42221	30173	5.16	40728	29533	5.41	37316	27934	5.75	37316	27934	5.75
78	65	48287	35247	3.88	46046	34331	4.22	43706	33636	4.48	40621	32305	5.07	39129	31665	5.32	35824	30066	5.66	35824	30066	5.66
78	63	45944	39119	3.88	43805	37998	4.22	41525	37165	4.40	38702	36037	4.98	37210	35290	5.16	33691	33655	5.49	33691	33655	5.49
76	69	50528	26792	3.84	48287	25875	4.22	46093	25227	4.48	43500	24309	5.20	42007	26761	5.46	38702	22603	5.83	38702	22603	5.83
76	67	49407	29848	3.88	47166	28931	4.22	44744	28134	4.48	42007	27401	5.16	40515	26761	5.41	37103	25375	5.75	37103	25375	5.75
76	65	48083	32497	3.88	45842	31682	4.22	43602	31040	4.48	40515	29960	5.07	39022	29213	5.32	35610	27721	5.66	35610	27721	5.66
76	63	45842	36674	3.88	43601	35655	4.22	41318	34881	4.40	38596	33691	4.98	37103	32945	5.16	33691	31026	5.49	33691	31026	5.49
84.2	66.2	49204	40952	3.88	46963	39933	4.22	44432	38930	4.48	41688	38169	5.11	40195	37529	5.37	36890	36037	5.71	36890	36037	5.71
82	69	52158	38405	3.73	50222	37692	4.18	48170	37061	4.48	45632	36357	5.24	44140	35717	5.54	40728	34118	5.99	40728	34118	5.99
82	67	51139	41665	3.81	49102	40748	4.22	46924	40280	4.48	44033	39449	5.20	42540	38809	5.46	39129	37210	5.87	39129	37210	5.87
82	65	50121	44721	3.84	47676	43601	4.22	45367	43083	4.48	42540	42434	5.16	41048	41048	5.41	37636	37636	5.79	37636	37636	5.79
82	63	49000	48083	3.88	46657	46657	4.22	44121	44121	4.48	41368	41368	5.11	40088	40088	5.37	37316	37316	5.71	37316	37316	5.71
80	69	52158	35757	3.73	50222	34942	4.18	48170	34362	4.48	45526	33478	5.24	44033	32838	5.54	40621	31239	5.99	40621	31239	5.99
80	67	51139	38915	3.81	49000	37998	4.22	46820	37477	4.48	44033	36570	5.20	42540	35930	5.46	39022	34331	5.87	39022	34331	5.87
80	65	50121	42073	3.84	47676	40850	4.22	45367	40280	4.48	42540	39555	5.16	41048	38809	5.41	37423	37210	5.79	37423	37210	5.79
80	63	48287	46861	3.88	45944	45638	4.22	43498	43498	4.48	40515	40515	5.07	39129	39129	5.32	36250	36250	5.66	36250	36250	5.66
78	69	52056	32599	3.77	50121	31886	4.18	48066	31456	4.48	45419	30706	5.24	43926	30066	5.54	40515	28467	5.95	40515	28467	5.95
78	67	51037	36266	3.81	48898	35349	4.22	46716	34674	4.48	43926	33798	5.20	42434	33051	5.46	38915	31452	5.87	38915	31452	5.87
78	65	50121	39424	3.84	47574	38202	4.22	45263	37581	4.48	42434	36783	5.16	40941	36037	5.41	37316	34331	5.79	37316	34331	5.79
78	63	48185	44110	3.88	45842	42990	4.22	43498	42148	4.48	40195	40195	5.07	38596	38596	5.32	35290	35290	5.66	35290	35290	5.66
76	69	51954	29237	3.77	49917	28422	4.18	47858	27926	4.48	43713	30919	5.20	42221	30173	5.46	38702	28574	5.95	38702	28574	5.95
76	67	50834	33210	3.84	48694	32293	4.22	46509	31767	4.48	43713	30919	5.20	42221	30173	5.46	38702	28574	5.95	38702	28574	5.95
76	65	49917	36572	3.84	47574	35553	4.22	45055	34674	4.48	42221	33798	5.16	40728	33051	5.41	37210	31452	5.83	37210	31452	5.83
76	63	48083	41360	3.88	45740	40137	4.22	43290	39242	4.44	40195	37956	5.07	38382	37103	5.28	34864	34864	5.62	34864	34864	5.62
84.2	66.2	50732	45944	3.84	48491	45027	4.22	46301	44640	4.48	43500	42906	5.20	41901	41901	5.46	38382	38382	5.83	38382	38382	5.83

LEGEND
 TC: Gross Total Cooling Capacity in BTU/hr
 SC: Sensible Cooling Capacity in BTU/hr
 PI: Total Power Input in KW
 DBT: Dry Bulb Temperature
 WBT: Wet Bulb Temperature

HIGH EER ROOF TOP PACKAGE - R410A PRODUCT DATA BOOK

COOLING PERFORMANCE DATA

060K

MODEL	EVAPORA TOR CFM	DBT (°F)	WBRT (°F)	AMBIENT AIR TEMPERATURE (°F)																	
				85.00			95.00			105.00			114.80			118.40			125.00		
				TC Btu/hr	SC Btu/hr	PI KW	TC Btu/hr	SC Btu/hr	PI KW	TC Btu/hr	SC Btu/hr	PI KW	TC Btu/hr	SC Btu/hr	PI KW	TC Btu/hr	SC Btu/hr	PI KW	TC Btu/hr	SC Btu/hr	PI KW
3RTH060GC1																					
1650		82	69	62943	42679	4.52	60566	41774	4.52	59246	41576	6.23	54220	38713	6.25	53230	38383	6.68	52350	38053	7.12
				60679	45849	4.52	58415	44943	5.20	57283	44925	6.23	52460	41902	6.35	51470	41572	6.78	50700	41242	7.31
				58642	48906	4.52	56264	47887	5.20	55204	47840	6.23	50590	44872	6.40	49711	44542	6.88	48831	44212	7.41
				57057	52415	4.52	54792	51396	5.20	53702	51393	6.23	48831	47401	6.40	47951	47071	6.88	47291	46631	7.41
				62943	39673	4.52	60453	38717	5.20	59246	38458	6.23	54220	35853	6.25	53230	35413	6.68	52350	35083	7.12
				60679	42792	4.52	58415	41887	5.20	57283	41807	6.23	52460	38933	6.35	51470	41572	6.88	50700	38273	7.31
				58755	45849	4.52	56264	44830	5.20	55204	44810	6.23	50590	41902	6.40	49711	41572	6.88	48831	41242	7.41
				57057	50943	4.52	53774	49925	5.20	52663	49891	6.23	48061	46521	6.40	47181	46191	6.88	46191	45641	7.41
				62943	36679	4.52	60453	35774	5.20	59130	35455	6.23	54220	32884	6.25	53230	32554	6.68	52350	32224	7.12
				60679	39849	4.52	58415	38943	5.20	57283	38804	6.23	52460	36073	6.35	51470	35743	6.88	50590	35413	7.31
				58755	42906	4.52	56151	41774	5.20	55088	41704	6.23	50480	39043	6.40	49601	38713	6.88	48831	38383	7.41
				56038	48000	4.52	53774	46981	5.20	52548	46889	6.23	48061	43662	6.40	47181	43222	6.88	46301	42782	7.41
62717	33623	4.52	60226	32604	5.20	59015	32337	6.23	54000	29914	6.25	53010	29584	6.68	52130	29254	7.17				
60453	36679	4.52	58189	35774	5.20	57052	35686	6.23	52240	33104	6.35	51360	32774	6.83	50480	32444	7.31				
58755	39962	4.52	56151	38717	5.20	54973	38689	6.23	50370	36073	6.40	49491	35633	6.88	48721	35413	7.41				
55811	44830	4.52	53660	43811	5.20	52432	43655	6.23	47951	40582	6.40	46961	40252	6.88	46191	39812	7.41				
66.2	59774	5.0377	4.52	57509	49585	5.20	56359	49507	6.23	51690	46521	6.35	50700	46191	6.83	49931	45861	7.36			
64642	46075	4.57	62038	45057	5.20	60747	45041	6.11	55540	41902	6.16	54440	41462	6.54	53450	41132	6.97				
62491	49925	4.52	60000	49019	5.20	58668	48967	6.23	53670	45751	6.30	52680	45421	6.73	51800	45091	7.17				
60226	53434	4.52	57962	52528	5.20	56705	52408	6.23	51910	49381	6.35	51030	49051	6.83	50151	48721	7.31				
57736	55698	4.52	55358	54566	5.20	54164	54164	6.23	49931	49931	6.40	49051	49051	6.88	48391	48391	7.41				
58528	56604	4.52	56264	55698	5.20	55435	55435	6.23	51030	51030	6.40	50260	50260	6.88	49601	49601	7.36				
64642	42566	4.57	62038	41547	5.20	60632	41345	6.11	55430	38493	6.16	54440	38053	6.54	53450	37723	6.97				
62491	46415	4.52	60000	45396	5.20	58668	45387	6.23	53670	42342	6.30	52680	41902	6.73	51800	41572	7.17				
60226	49925	4.52	57962	49019	5.20	56705	48985	6.23	51910	45971	6.35	51030	45531	6.83	50151	45201	7.31				
57736	55698	4.52	55358	54566	5.20	54164	54164	6.23	49931	49931	6.40	49051	49051	6.88	48391	48391	7.41				
64528	39170	4.57	61925	38151	5.20	60632	37880	6.11	55430	35193	6.16	54330	34753	6.59	53450	34423	6.97				
62491	43019	4.52	60000	42000	5.20	58668	41807	6.23	53670	38933	6.30	52680	38603	6.73	51800	38273	7.21				
60226	46528	4.52	57849	45623	5.20	56705	45618	6.23	51910	42562	6.35	50920	42222	6.83	50041	41902	7.36				
57623	52189	4.52	55358	51170	5.20	53702	50815	6.23	49051	47401	6.40	48171	47071	6.88	47511	46631	7.41				
64415	35547	4.57	61811	34528	5.20	60401	34185	6.17	55320	31674	6.20	54220	31234	6.59	53230	30904	6.97				
62464	39396	4.52	59774	38377	5.20	58553	38227	6.23	53560	35523	6.30	52570	35083	6.73	51690	34753	7.21				
60000	42906	4.52	57736	42000	5.20	56474	41923	6.23	51800	39043	6.35	50810	38713	6.83	49931	38383	7.36				
57509	48566	4.52	55245	47547	5.20	53818	47235	6.23	48831	43992	6.40	47841	43552	6.88	47071	43332	7.41				
84.2	61472	5.5358	4.52	59094	54453	5.20	57860	54400	6.23	52900	51140	6.30	51910	50810	6.78	51140	50480	7.26			

LEGEND
 TC: Gross Total Cooling Capacity in BTU/hr
 SC: Sensible Cooling Capacity in BTU/hr
 PI: Total Power Input in KW
 DBT: Dry Bulb Temperature
 WBRT: Wet Bulb Temperature

HIGH EER ROOF TOP PACKAGE - R410A PRODUCT DATA BOOK

COOLING PERFORMANCE DATA

072K

MODEL	EVA-PORA TOR CFM	DBT (°F)	WBT (°F)	AMBIENT AIR TEMPERATURE (°F)																	
				85.00			95.00			105.00			114.80			118.40			125.00		
				TC Btu/hr	SC Btu/hr	PI	TC Btu/hr	SC Btu/hr	PI	TC Btu/hr	SC Btu/hr	PI	TC Btu/hr	SC Btu/hr	PI	TC Btu/hr	SC Btu/hr	PI	TC Btu/hr	SC Btu/hr	PI
3RTH072GC1																					
	2100	82	66.2	73253	50687	5.31	70063	49387	6.00	68054	49076	7.41	62903	46612	7.34	60881	45780	7.83	58622	44828	8.32
		69		70336	54467	5.26	67464	53286	5.95	65636	53186	7.36	60762	50774	7.30	58741	49942	7.79	56481	48990	8.27
		82	65	68409	58485	5.22	64983	56949	5.90	63219	56949	7.31	58503	54579	7.26	56600	53747	7.74	54579	52439	8.23
		63		66401	62502	5.22	63447	61084	5.86	61406	61043	7.31	56957	56957	7.26	55292	55292	7.70	53628	53628	8.18
		80	69	70536	50687	5.26	67464	49505	5.95	65636	49318	7.36	60762	49969	7.30	58741	46156	7.79	56481	45185	8.27
		67		68527	54704	5.26	64983	53168	5.90	63219	53065	7.31	58503	50774	7.26	56600	49942	7.74	54579	49109	8.23
		80	63	65337	60729	5.17	62384	59430	5.86	60599	59430	7.26	56600	56600	7.21	54103	54103	7.79	52439	52439	8.18
		69		71335	43243	5.31	69945	42062	6.00	67933	41582	7.41	62903	39240	7.34	60762	38407	7.83	58503	37456	8.32
		78	67	70418	47142	5.26	67464	45842	5.95	65515	45571	7.36	60762	42450	7.30	58622	42450	7.79	56481	41618	8.27
		65		68646	51159	5.26	64983	49623	5.90	63098	49439	7.31	58503	47088	7.26	56600	46374	7.74	54460	45542	8.23
		80	63	65219	57067	5.17	62384	55767	5.86	60599	55483	7.26	57568	52914	7.21	53747	51963	7.65	51606	50774	8.14
		69		72899	39462	5.31	69827	38281	6.00	67691	37714	7.41	62665	35435	7.34	60524	34602	7.83	58265	33651	8.32
		76	67	70300	43243	5.26	67228	42062	5.95	65274	41703	7.36	60524	39478	7.30	58503	38645	7.79	56363	37813	8.27
		65		68409	47378	5.22	64983	45842	5.90	62977	45450	7.31	58584	43283	7.26	56363	42450	7.74	54341	41618	8.23
		76	63	65101	53286	5.17	62147	51888	5.86	60318	51615	7.26	55649	48990	7.21	53747	48277	7.65	51487	47207	8.14
		84.2	66.2	69354	60139	5.26	66401	58957	5.90	64548	58750	7.36	59811	56600	7.30	57789	55768	7.74	55649	54817	8.23
		69		74908	53877	5.36	71481	52459	6.00	69263	52219	7.47	63973	45423	7.39	61595	44412	7.83	59335	43758	8.32
		82	67	72190	58248	5.31	69000	57067	5.95	66966	56933	7.41	61832	54341	7.34	59692	55909	7.79	57433	55558	8.27
		65		69473	62502	5.26	66401	61202	5.90	64548	61108	7.36	59692	58741	7.30	57671	57671	7.74	55530	55530	8.23
		82	63	67700	66991	5.22	64510	64510	5.90	64548	61108	7.36	59692	58741	7.30	57671	57671	7.74	55530	55530	8.23
		69		74908	49623	5.36	71481	48324	6.00	69263	47867	7.47	63973	45423	7.39	61595	44412	7.83	59335	43758	8.32
		80	67	72190	54113	5.31	69000	52813	5.95	66966	52582	7.41	61832	50060	7.34	59692	49228	7.79	57433	48277	8.27
		65		69473	58248	5.26	66401	57067	5.90	64548	57054	7.36	59692	53747	7.30	57671	53747	7.74	55530	52955	8.23
		80	63	66755	65101	5.22	63565	63565	5.86	61768	61768	7.31	57671	57671	7.26	56006	56006	7.74	54222	54222	8.23
		69		74789	45606	5.36	71363	44188	6.00	69142	43758	7.47	63973	41261	7.39	61595	40429	7.83	59335	39596	8.32
		78	67	72072	49978	5.31	68882	48678	5.95	66845	48472	7.41	61832	46018	7.34	59692	45185	7.79	57433	44234	8.27
		65		69473	54231	5.26	66401	52932	5.90	64428	52823	7.36	59692	50417	7.30	57671	49585	7.74	55411	48752	8.23
		78	63	66755	60966	5.22	63447	59430	5.86	61526	61526	7.31	56719	54817	7.26	54817	54817	7.74	53033	53033	8.18
		69		74553	41353	5.36	71127	39935	6.00	69021	39406	7.47	63854	37099	7.39	61476	36148	7.83	59097	35316	8.32
		76	67	71836	45724	5.31	68646	44425	5.95	66724	44120	7.41	61595	41737	7.34	59454	40904	7.79	57314	39953	8.27
		65		69236	49860	5.26	66164	48678	5.90	64307	48472	7.36	59454	46136	7.30	57552	45304	7.74	55292	44472	8.23
		76	63	66519	56712	5.22	63329	55176	5.86	61406	55120	7.31	56363	53230	7.21	54341	51487	7.70	52320	50655	8.18
		84.2	66.2	71009	64747	5.26	67818	63447	5.95	65878	63395	7.36	61000	60105	7.30	58860	58503	7.79	56838	56838	8.27
		69		75262	54822	5.36	71836	55522	6.00	69746	53186	7.47	64211	50536	7.39	61951	48923	7.83	59573	48990	8.32
		82	67	72663	59548	5.31	69354	58248	5.95	67329	58142	7.41	62189	55530	7.34	60049	54698	7.79	57789	53747	8.27
		65		69945	63920	5.26	66873	62620	5.90	64911	62400	7.36	60049	60049	7.30	57908	57908	7.74	56125	56125	8.27
		82	63	68173	68173	5.22	65219	65219	5.90	63823	63823	7.36	59573	59573	7.30	57908	57908	7.74	56006	56006	8.27
		69		75262	50450	5.36	71836	49151	6.00	69746	48714	7.47	64211	46235	7.39	61951	45423	7.83	59692	44710	8.32
		80	67	72663	55176	5.31	69354	53877	5.95	67329	53669	7.41	62189	51131	7.34	60049	50298	7.79	57789	49347	8.27
		65		69945	59548	5.26	66873	58248	5.90	64911	58105	7.36	60049	55768	7.30	58027	54936	7.74	54817	53984	8.23
		80	63	67110	66401	5.22	63920	63920	5.86	62494	62494	7.31	58265	58265	7.26	56600	56600	7.74	54817	54817	8.23
		69		75262	46315	5.36	71717	44897	6.00	69625	44483	7.47	64092	41975	7.39	61951	41142	7.83	59573	40429	8.32
		78	67	72545	50923	5.31	69354	49623	5.95	67208	49318	7.41	62070	46850	7.34	59930	46018	7.79	57671	45066	8.27
		65		69945	55295	5.26	66755	54113	5.90	64790	53911	7.36	60049	54987	7.30	57908	50665	7.74	55768	49704	8.23
		78	63	66991	62147	5.22	63801	60848	5.86	61647	60680	7.31	56957	56957	7.26	55292	55292	7.70	53509	53509	8.18
		69		75206	41825	5.36	71599	40526	6.00	69384	39889	7.47	63973	37575	7.39	61713	36743	7.83	59454	39510	8.32
		76	67	72308	46433	5.31	69118	45252	5.95	67087	44845	7.41	61951	42450	7.34	59811	41618	7.79	57552	40667	8.27
		65		69709	50805	5.26	66637	49623	5.90	64669	49439	7.36	59911	47088	7.30	57789	46255	7.74	55530	45304	8.23
		76	63	66873	57776	5.22	63683	56358	5.86	61647	56208	7.31	56481	53390	7.21	54579	52676	7.70	52558	51844	8.18
		84.2	66.2	71481	66164	5.31	68291	64983	5.95	66241	64906	7.41	61357	60643	7.34	59335	59335	7.79	57433	57433	8.27

LEGEND

TC: Gross Total Cooling Capacity in BTU/hr
 SC: Sensible Cooling Capacity in BTU/hr
 PI: Total Power Input in KW
 DBT: Dry Bulb Temperature
 WBT: Wet Bulb Temperature

HIGH EER ROOF TOP PACKAGE - R410A PRODUCT DATA BOOK

COOLING PERFORMANCE DATA

090K

3RTH090GC2

MODEL	EVAPORATOR TOR CFM	DBT (°F)	WBT (°F)	AMBIENT AIR TEMPERATURE (°F)															
				85.00			95.00			105.00			114.80			118.40			125.00
		TC Btu/hr	SC Btu/hr	PI	TC Btu/hr	SC Btu/hr	PI	TC Btu/hr	SC Btu/hr	PI	TC Btu/hr	SC Btu/hr	PI	TC Btu/hr	SC Btu/hr	PI	TC Btu/hr	SC Btu/hr	PI
3100	82	94522	66829	6.84	90032	65118	7.64	86437	64176	9.13	80003	61235	9.27	76786	59948	9.83	73675	58876	10.38
		91101	72282	6.76	86931	76678	7.60	83613	69931	9.09	77124	66919	9.20	74419	65740	9.75	71316	64453	10.34
		87893	77307	6.72	83830	75810	7.52	80573	75252	9.01	74641	72281	9.13	71852	71209	9.68	69171	68850	10.27
		85861	83081	6.68	81798	80943	7.45	78835	78835	8.97	73675	76675	9.09	71316	71316	9.68	68850	68850	10.27
		94416	61803	6.84	90032	60992	7.64	86437	59072	9.13	79896	56195	9.27	76786	54908	9.83	73568	53728	10.38
		91101	67149	6.72	86931	65546	7.60	83613	64719	9.09	77214	61772	9.20	74319	60952	9.75	71316	59305	10.34
		87893	72282	6.72	83830	70678	7.52	80573	70040	9.01	74641	67134	9.13	71852	66061	9.68	68957	64774	10.27
		84578	80729	6.65	80925	79018	7.45	77207	77207	8.93	72067	72067	9.05	69815	69815	9.60	67348	67348	10.23
		94416	56778	6.84	89925	55067	7.64	86328	53969	9.13	79788	51155	9.27	76678	49868	9.79	73461	48688	10.34
		90994	62124	6.76	86931	60627	7.56	83505	59724	9.09	77124	56838	9.20	74319	55659	9.75	71209	54372	10.38
		87786	67256	6.72	83830	65759	7.52	80573	64936	9.01	74533	62201	9.13	71852	61021	9.68	68850	59841	10.27
		84471	75704	6.65	80515	73993	7.45	77098	79792	8.89	70944	69279	9.02	68528	68206	9.60	65847	65847	10.19
94095	51645	6.84	84971	49934	7.64	86111	48756	9.13	79574	46007	9.24	76571	44720	9.79	73247	43433	10.38		
90780	56991	6.76	86610	55388	7.56	83288	54512	9.05	77000	51584	9.20	74104	50404	9.75	70994	49224	10.30		
87465	62017	6.68	83509	60520	7.49	80356	59774	8.97	74319	56946	9.13	71638	55873	9.68	68635	54586	10.27		
84258	70571	6.65	80301	68753	7.45	76881	67651	8.89	70565	64453	9.02	67777	63273	9.57	64989	62201	10.16		
80887	80087	6.76	85541	78484	7.56	82310	77967	9.05	76142	74855	9.16	73568	73461	9.72	70565	70565	10.30		
95485	69288	6.87	90994	67577	7.68	87305	66674	9.17	80432	63487	9.27	77429	62415	9.83	73950	61021	10.38		
92170	75169	6.80	88000	73565	7.60	84374	72863	9.09	77955	69708	9.20	75070	68528	9.75	71960	67241	10.34		
88962	80729	6.72	84792	79125	7.52	81442	78618	9.01	75066	73391	9.16	72818	78181	9.72	70244	70244	10.30		
86717	86503	6.68	83188	83188	7.49	80464	80464	9.01	75177	72710	9.13	72710	72710	9.72	70136	70136	10.30		
95485	63835	6.87	90994	62124	7.68	87305	61027	9.17	80432	58018	9.27	77429	57053	9.83	73957	55659	10.41		
92170	69716	6.80	88000	68112	7.60	84374	67216	9.09	77965	64238	9.20	75070	62951	9.75	71960	61772	10.34		
88962	75276	6.72	84792	73672	7.52	81550	72972	9.01	75391	70029	9.16	72496	68850	9.68	69493	67670	10.27		
85434	84044	6.65	81478	81478	7.45	78835	78835	8.97	73461	73461	9.09	71209	71209	9.64	68635	68635	10.27		
95378	58488	6.87	90887	56778	7.68	87197	55706	9.17	80325	55656	9.27	77322	51584	9.83	73957	50511	10.41		
92170	64369	6.80	87893	62765	7.60	84374	61787	9.09	77858	58876	9.20	74962	57696	9.75	71852	56409	10.34		
88855	69930	6.72	84792	68326	7.52	81442	76151	9.01	75391	64667	9.13	72496	63595	9.68	69493	62308	10.27		
85434	78697	6.65	78880	76880	7.45	77532	75252	8.93	71960	71960	9.05	69600	66600	9.60	67134	67134	10.23		
95164	53035	6.87	90673	51217	7.68	86980	50059	9.17	80217	47079	9.27	77000	46007	9.83	73957	44935	10.41		
91849	58809	6.80	87679	57205	7.60	84156	56249	9.09	77643	53299	9.20	74748	52120	9.75	71638	50833	10.34		
88642	64369	6.72	84578	62765	7.52	81224	62004	9.01	75177	59091	9.13	72281	58018	9.68	69279	56731	10.27		
85327	73137	6.65	80943	71213	7.45	77424	70257	8.93	71102	67134	9.05	68528	66061	9.60	65847	64774	10.19		
84.2	66.2	90780	83616	6.76	86610	82012	7.56	83179	81442	9.05	77000	77000	9.20	74533	74533	9.75	71960	71960	10.34
96233	71106	6.87	91635	69395	7.68	87740	68302	9.17	80968	65555	9.27	77536	64238	9.83	73957	62844	10.41		
93026	77521	6.80	88642	75810	7.64	85025	75035	9.13	78501	71852	9.24	75499	70673	9.79	72389	69386	10.34		
83295	83295	6.76	85541	81798	7.56	82202	81116	9.05	76249	76249	9.16	73783	73783	9.72	71209	71209	10.30		
88000	88000	6.72	84471	84471	7.52	81659	81659	9.01	76249	76249	9.16	73783	73783	9.72	71102	71102	10.30		
96233	65439	6.87	91635	63621	7.68	87740	62547	9.17	80968	59841	9.27	77643	58554	9.83	74104	57160	10.41		
93026	71747	6.80	88642	70036	7.64	85025	69171	9.13	78501	66061	9.24	75499	64882	9.79	72389	63955	10.34		
89711	77628	6.76	85541	76024	7.56	82093	75361	9.05	75928	72281	9.16	73032	71102	9.72	70136	69708	10.30		
86396	85861	6.68	82654	82654	7.49	79921	79921	8.97	74533	74533	9.13	72174	72174	9.68	69600	69600	10.27		
96126	59772	6.87	91529	58061	7.68	87631	56901	9.17	80861	54157	9.27	77751	53085	9.83	74104	51691	10.41		
92919	66080	6.80	88343	64476	7.64	84916	63416	9.05	78394	60485	9.24	75499	59198	9.79	72281	57911	10.34		
85913	53998	6.87	91315	52287	7.68	87523	51037	9.17	80539	48259	9.27	77643	47187	9.83	74122	46007	10.41		
92598	60306	6.80	88321	58595	7.60	84699	57552	9.09	78180	54586	9.20	75284	53407	9.75	72174	52100	10.34		
89390	66080	6.72	85220	64476	7.52	81876	67442	9.01	75713	68006	9.16	72818	59627	9.72	69708	58340	10.27		
85755	75062	6.65	81584	73458	7.45	77532	72212	8.93	71638	69386	9.05	69171	68099	9.60	66490	66490	10.19		
84.2	66.2	91529	86396	6.80	87252	84792	7.60	84156	83939	9.09	78072	78072	9.20	75606	75606	9.79	72925	72925	10.38

LEGEND

TC: Gross Total Cooling Capacity in BTU/hr
 SC: Sensible Cooling Capacity in BTU/hr
 PI: Total Power Input in KW
 DBT: Dry Bulb Temperature
 WBT: Wet Bulb Temperature

HIGH EER ROOF TOP PACKAGE - R410A PRODUCT DATA BOOK

COOLING PERFORMANCE DATA

120K

MODEL	EVAPORATOR TOR CFM	DBT (°F)	WBT (°F)	AMBIENT AIR TEMPERATURE (°F)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
				85.00				95.00				105.00				114.80				118.40				125.00																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
				TC Btu/hr	SC Btu/hr	PI	EER	TC Btu/hr	SC Btu/hr	PI	EER	TC Btu/hr	SC Btu/hr	PI	EER	TC Btu/hr	SC Btu/hr	PI	EER	TC Btu/hr	SC Btu/hr	PI	EER	TC Btu/hr	SC Btu/hr	PI	EER																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
3RTH120GC2																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
4000																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
82	69	129872	88711	9.43	12.4712	86745	10.60	11.8710	84424	12.35	11.0909	80960	12.80	10.7257	79499	13.60	10.3482	77916	14.39	82	67	124712	119797	9.43	11.4163	93503	10.60	11.4163	93503	12.35	10.6770	88471	12.80	10.3239	86560	13.60	9.9465	84977	14.39	82	65	121640	102841	9.43	11.5374	100015	10.60	10.9617	97819	12.35	10.2508	94073	12.80	9.9221	93134	13.60	9.5569	91673	14.39	82	63	117585	109722	9.43	11.2548	107264	10.60	10.7036	104947	12.35	10.0317	100317	12.80	9.7511	97517	13.60	9.4595	94595	14.39	80	69	129749	82199	9.43	12.4712	80110	10.60	11.8710	77911	12.35	11.0909	74366	12.80	10.7257	72925	13.60	10.3482	71432	14.39	80	67	124835	88834	9.43	11.9797	86868	10.60	11.4163	84793	12.35	10.6891	81447	12.80	10.3361	79966	13.60	9.9465	78403	14.39	80	65	121866	96083	9.43	11.5496	93503	10.60	10.9740	91306	12.35	10.2630	87899	12.80	9.9221	86560	13.60	9.5619	85099	14.39	80	63	115496	106527	9.43	11.0705	104315	10.60	10.5193	101875	12.35	9.9369	97670	12.80	9.5326	95326	13.60	9.2282	92282	14.39	78	69	129749	75687	9.43	12.4589	73721	10.60	11.8587	71398	12.35	11.0787	68055	12.80	10.7135	66594	13.60	10.3361	65011	14.39	78	67	124712	82445	9.43	11.9674	80479	10.60	11.4041	78280	12.35	11.0787	75116	12.80	10.3239	73655	13.60	9.9465	72072	14.39	78	65	121763	89940	9.43	11.5742	87237	10.60	10.9617	84793	12.35	10.2508	81569	12.80	9.9100	80229	13.60	9.5569	78768	14.39	78	63	115496	100138	9.43	11.0582	97803	10.60	10.5193	93632	12.35	9.7760	91552	12.80	9.4352	90212	13.60	9.0699	87534	14.39	76	69	129381	69052	9.43	12.4220	67086	10.60	11.8342	64762	12.35	11.0544	61339	12.80	10.6891	59898	13.60	10.2995	58315	14.39	76	67	124343	75687	9.43	11.9428	73721	10.60	11.3795	71644	12.35	10.6404	66420	12.80	10.2995	66959	13.60	9.9100	65377	14.39	76	65	121271	83059	9.43	11.5865	80725	10.60	10.9371	78034	12.35	10.2265	74873	12.80	9.8856	73533	13.60	9.5326	72072	14.39	76	63	115251	93380	9.43	11.5251	91169	10.60	10.4824	88603	12.35	9.7517	84856	12.80	9.4230	83638	13.60	9.0212	81690	14.39	84.2																												82	66.2	126263	106421	9.43	11.7708	103578	10.60	11.2074	101383	12.35	10.4822	98004	12.80	10.1535	96665	13.60	9.7760	95204	14.39	82	69	132821	94486	9.43	12.7292	92774	10.60	12.1045	89832	12.35	11.2857	86195	12.80	10.8839	84734	13.60	10.4943	83395	14.39	82	67	127538	102227	9.43	12.2792	100261	10.60	11.6621	97942	12.35	10.8839	94352	12.80	10.5187	92891	13.60	10.1291	91308	14.39	82	65	122746	109599	9.43	11.7708	107633	10.60	11.2074	104378	12.35	10.4822	101778	12.80	10.1778	100317	13.60	9.8126	96126	14.39	82	63	120288	117585	9.43	11.5374	115374	10.60	11.0477	110477	12.35	10.4091	104091	12.80	10.1169	101169	13.60	9.8126	96126	14.39	80	69	132821	86991	9.43	12.7292	84902	10.60	12.1045	82458	12.35	11.2857	78880	12.80	10.8839	77307	13.60	10.4943	76080	14.39	80	67	127660	94732	9.43	12.2500	97766	10.60	11.6621	90569	12.35	10.8839	86925	12.80	10.5187	85646	13.60	10.1291	83882	14.39	80	65	122746	102104	9.43	11.7708	100261	10.60	11.2074	98065	12.35	10.4700	96095	12.80	10.1291	93134	13.60	9.7517	95813	14.39	80	63	118077	114145	9.43	11.3408	111442	10.60	10.8019	108019	12.35	10.1778	101778	12.80	9.8856	98856	13.60	9.5813	95813	14.39	78	69	132998	79865	9.43	12.7169	77653	10.60	12.0922	75208	12.35	11.2735	71566	12.80	10.8717	70125	13.60	10.4822	68785	14.39	78	67	127538	87605	9.43	12.2377	85517	10.60	11.6498	83318	12.35	10.8839	79864	12.80	10.5065	78281	13.60	10.1169	76699	14.39	78	65	122500	94855	9.43	11.7708	93012	10.60	11.1951	90815	12.35	10.4578	87412	12.80	10.1169	85951	13.60	9.7517	84490	14.39	78	63	118077	107019	9.43	11.2671	110489	10.60	10.7036	104489	12.35	9.9465	99465	12.80	9.6543	96543	13.60	9.3499	93499	14.39	84.2																												82	66.2	125449	113531	9.43	12.0288	111565	10.60	11.4532	109371	12.35	10.7500	105552	12.80	10.3848	103848	13.60	10.0682	97273	77064	14.39	82	65	125449	99769	9.43	12.9381	97558	10.60	11.6253	75699	12.35	10.8474	72316	12.80	10.4822	70855	13.60	10.0926	69272	14.39	82	63	121667	107019	9.43	11.8077	112671	10.60	11.0708	112671	12.35	10.7036	104489	12.80	9.9465	99465	12.80	9.6543	96543	14.39	80	69	132329	72447	9.43	12.6923	70158	10.60	12.0677	67712	12.35	11.2613	64281	12.80	10.8596	62698	13.60	10.4456	61237	14.39	80	67	127169	79987	9.43	12.2009	78022	10.60	11.6253	75699	12.35	10.8474	72316	12.80	10.4822	70855	13.60	10.0926	69272	14.39	80	65	125985	87482	9.43	11.7340	85394	10.60	11.1706	83196	12.35	10.4335	79864	12.80	10.0926	78525	13.60	9.7273	77064	14.39	76	63	117831	99401	9.43	11.2425	96943	10.60	10.6790	94747	12.35	9.8856	90821	12.80	9.4839	89117	13.60	9.1552	87656	14.39	4500																												82	69	135033	83551	9.43	12.9258	81339	10.60	12.2297	78772	12.35	11.4196	75603	12.80	11.0422	74386	13.60	10.6283	72925	14.39	82	67	129872	92397	9.43	12.4589	90308	10.60	11.8465	87988	12.35	11.0422	83369	12.80	10.6648	82786	13.60	10.2530	81203	14.39	82	65	124957	100752	9.43	11.9674	98786	10.60	11.3918	96468	12.35	10.6404	93912	12.80	10.2752	91552	13.60	9.8856	89699	14.39	82	63	119797	113776	9.43	11.4636	111810	10.60	10.9002	109002	12.35	10.2508	102508	12.80	9.9465	99465	13.60	9.6300	96300	14.39	78	69	134664	75196	9.43	12.9012	72964	10.60	12.2151	70415	12.35	11.3831	67934	12.80	11.0057	65995	13.60	10.6039	64768	14.39	76	67	129504	84042	9.43	12.4220	81953	10.60	11.8096	79662	12.35	11.0178	76030	12.80	10.6039	74507	13.60	10.2387	72925	14.39	76	65	124589	92397	9.43	11.9428	90308	10.60	11.3549	88111	12.35	10.6039	84734	12.80	10.2508	83273	13.60	9.8613	81690	14.39	76	63	119428	105298	9.43	11.4391	103332	10.60	10.7773	100523	12.35	10.0317	96421	12.80	9.7273	94839	13.60	9.3621	93621	14.39	84.2	66.2	127660	121394	9.43	12.2869	119183	10.60	11.6990	116990	12.35	11.0178	110178	12.80	10.7013	107013	13.60	10.3726	103726	14.39
84.2																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
82	66.2	126263	106421	9.43	11.7708	103578	10.60	11.2074	101383	12.35	10.4822	98004	12.80	10.1535	96665	13.60	9.7760	95204	14.39	82	69	132821	94486	9.43	12.7292	92774	10.60	12.1045	89832	12.35	11.2857	86195	12.80	10.8839	84734	13.60	10.4943	83395	14.39	82	67	127538	102227	9.43	12.2792	100261	10.60	11.6621	97942	12.35	10.8839	94352	12.80	10.5187	92891	13.60	10.1291	91308	14.39	82	65	122746	109599	9.43	11.7708	107633	10.60	11.2074	104378	12.35	10.4822	101778	12.80	10.1778	100317	13.60	9.8126	96126	14.39	82	63	120288	117585	9.43	11.5374	115374	10.60	11.0477	110477	12.35	10.4091	104091	12.80	10.1169	101169	13.60	9.8126	96126	14.39	80	69	132821	86991	9.43	12.7292	84902	10.60	12.1045	82458	12.35	11.2857	78880	12.80	10.8839	77307	13.60	10.4943	76080	14.39	80	67	127660	94732	9.43	12.2500	97766	10.60	11.6621	90569	12.35	10.8839	86925	12.80	10.5187	85646	13.60	10.1291	83882	14.39	80	65	122746	102104	9.43	11.7708	100261	10.60	11.2074	98065	12.35	10.4700	96095	12.80	10.1291	93134	13.60	9.7517	95813	14.39	80	63	118077	114145	9.43	11.3408	111442	10.60	10.8019	108019	12.35	10.1778	101778	12.80	9.8856	98856	13.60	9.5813	95813	14.39	78	69	132998	79865	9.43	12.7169	77653	10.60	12.0922	75208	12.35	11.2735	71566	12.80	10.8717	70125	13.60	10.4822	68785	14.39	78	67	127538	87605	9.43	12.2377	85517	10.60	11.6498	83318	12.35	10.8839	79864	12.80	10.5065	78281	13.60	10.1169	76699	14.39	78	65	122500	94855	9.43	11.7708	93012	10.60	11.1951	90815	12.35	10.4578	87412	12.80	10.1169	85951	13.60	9.7517	84490	14.39	78	63	118077	107019	9.43	11.2671	110489	10.60	10.7036	104489	12.35	9.9465	99465	12.80	9.6543	96543	13.60	9.3499	93499	14.39	84.2																												82	66.2	125449	113531	9.43	12.0288	111565	10.60	11.4532	109371	12.35	10.7500	105552	12.80	10.3848	103848	13.60	10.0682	97273	77064	14.39	82	65	125449	99769	9.43	12.9381	97558	10.60	11.6253	75699	12.35	10.8474	72316	12.80	10.4822	70855	13.60	10.0926	69272	14.39	82	63	121667	107019	9.43	11.8077	112671	10.60	11.0708	112671	12.35	10.7036	104489	12.80	9.9465	99465	12.80	9.6543	96543	14.39	80	69	132329	72447	9.43	12.6923	70158	10.60	12.0677	67712	12.35	11.2613	64281	12.80	10.8596	62698	13.60	10.4456	61237	14.39	80	67	127169	79987	9.43	12.2009	78022	10.60	11.6253	75699	12.35	10.8474	72316	12.80	10.4822	70855	13.60	10.0926	69272	14.39	80	65	125985	87482	9.43	11.7340	85394	10.60	11.1706	83196	12.35	10.4335	79864	12.80	10.0926	78525	13.60	9.7273	77064	14.39	76	63	117831	99401	9.43	11.2425	96943	10.60	10.6790	94747	12.35	9.8856	90821	12.80	9.4839	89117	13.60	9.1552	87656	14.39	4500																												82	69	135033	83551	9.43	12.9258	81339	10.60	12.2297	78772	12.35	11.4196	75603	12.80	11.0422	74386	13.60	10.6283	72925	14.39	82	67	129872	92397	9.43	12.4589	90308	10.60	11.8465	87988	12.35	11.0422	83369	12.80	10.6648	82786	13.60	10.2530	81203	14.39	82	65	124957	100752	9.43	11.9674	98786	10.60	11.3918	96468	12.35	10.6404	93912	12.80	10.2752	91552	13.60	9.8856	89699	14.39	82	63	119797	113776	9.43	11.4636	111810	10.60	10.9002	109002	12.35	10.2508	102508	12.80	9.9465	99465	13.60	9.6300	96300	14.39	78	69	134664	75196	9.43	12.9012	72964	10.60	12.2151	70415	12.35	11.3831	67934	12.80	11.0057	65995	13.60	10.6039	64768	14.39	76	67	129504	84042	9.43	12.4220	81953	10.60	11.8096	79662	12.35	11.0178	76030	12.80	10.6039	74507	13.60	10.2387	72925	14.39	76	65	124589	92397	9.43	11.9428	90308	10.60	11.3549	88111	12.35	10.6039	84734	12.80	10.2508	83273	13.60	9.8613	81690	14.39	76	63	119428	105298	9.43	11.4391	103332	10.60	10.7773	100523	12.35	10.0317	96421	12.80	9.7273	94839	13.60	9.3621	93621	14.39	84.2	66.2	127660	121394	9.43	12.2869	119183	10.60	11.6990	116990	12.35	11.0178	110178	12.80	10.7013	107013	13.60	10.3726	103726	14.39																																																																																																																																																																																																																																																																																																																																																												
84.2																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
82	66.2	125449	113531	9.43	12.0288	111565	10.60	11.4532	109371	12.35	10.7500	105552	12.80	10.3848	103848	13.60	10.0682	97273	77064	14.39	82	65	125449	99769	9.43	12.9381	97558	10.60	11.6253	75699	12.35	10.8474	72316	12.80	10.4822	70855	13.60	10.0926	69272	14.39	82	63	121667	107019	9.43	11.8077	112671	10.60	11.0708	112671	12.35	10.7036	104489	12.80	9.9465	99465	12.80	9.6543	96543	14.39	80	69	132329	72447	9.43	12.6923	70158	10.60	12.0677	67712	12.35	11.2613	64281	12.80	10.8596	62698	13.60	10.4456	61237	14.39	80	67	127169	79987	9.43	12.2009	78022	10.60	11.6253	75699	12.35	10.8474	72316	12.80	10.4822	70855	13.60	10.0926	69272	14.39	80	65	125985	87482	9.43	11.7340	85394	10.60	11.1706	83196	12.35	10.4335	79864	12.80	10.0926	78525	13.60	9.7273	77064	14.39	76	63	117831	99401	9.43	11.2425	96943	10.60	10.6790	94747	12.35	9.8856	90821	12.80	9.4839	89117	13.60	9.1552	87656	14.39	4500																												82	69	135033	83551	9.43	12.9258	81339	10.60	12.2297	78772	12.35	11.4196	75603	12.80	11.0422	74386	13.60	10.6283	72925	14.39	82	67	129872	92397	9.43	12.4589	90308	10.60	11.8465	87988	12.35	11.0422	83369	12.80	10.6648	82786	13.60	10.2530	81203	14.39	82	65	124957	100752	9.43	11.9674	98786	10.60	11.3918	96468	12.35	10.6404	93912	12.80	10.2752	91552	13.60	9.8856	89699	14.39	82	63	119797	113776	9.43	11.4636	111810	10.60	10.9002	109002	12.35	10.2508	102508	12.80	9.9465	99465	13.60	9.6300	96300	14.39	78	69	134664	75196	9.43	12.9012	72964	10.60	12.2151	70415	12.35	11.3831	67934	12.80	11.0057	65995	13.60	10.6039	64768	14.39	76	67	129504	84042	9.43	12.4220	81953	10.60	11.8096	79662	12.35	11.0178	76030	12.80	10.6039	74507	13.60	10.2387	72925	14.39	76	65	124589	92397	9.43	11.9428	90308	10.60	11.3549	88111	12.35	10.6039	84734	12.80	10.2508	83273	13.60	9.8613	81690	14.39	76	63	119428	105298	9.43	11.4391	103332	10.60	10.7773	100523	12.35	10.0317	96421	12.80	9.7273	94839	13.60	9.3621	93621	14.39	84.2	66.2	127660	121394	9.43	12.2869	119183	10.60	11.6990	116990	12.35	11.0178	110178	12.80	10.7013	107013	13.60	10.3726	103726	14.39																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
4500																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
82	69	135033	83551	9.43	12.9258	81339	10.60	12.2297	78772	12.35	11.4196	75603	12.80	11.0422	74386	13.60	10.6283	72925	14.39	82	67	129872	92397	9.43	12.4589	90308	10.60	11.8465	87988	12.35	11.0422	83369	12.80	10.6648	82786	13.60	10.2530	81203	14.39	82	65	124957	100752	9.43	11.9674	98786	10.60	11.3918	96468	12.35	10.6404	93912	12.80	10.2752	91552	13.60	9.8856	89699	14.39	82	63	119797	113776	9.43	11.4636	111810	10.60	10.9002	109002	12.35	10.2508	102508	12.80	9.9465	99465	13.60	9.6300	96300	14.39	78	69	134664	75196	9.43	12.9012	72964	10.60	12.2151	70415	12.35	11.3831	67934	12.80	11.0057	65995	13.60	10.6039	64768	14.39	76	67	129504	84042	9.43	12.4220	81953	10.60	11.8096	79662	12.35	11.0178	76030	12.80	10.6039	74507	13.60	10.2387	72925	14.39	76	65	124589	92397	9.43	11.9428	90308	10.60	11.3549	88111	12.35	10.6039	84734	12.80	10.2508	83273	13.60	9.8613	81690	14.39	76	63	119428	105298	9.43	11.4391	103332	10.60	10.7773	100523	12.35	10.0317	96421	12.80	9.7273	94839	13.60	9.3621	93621	14.39	84.2	66.2	127660	121394	9.43	12.2869	119183	10.60	11.6990	116990	12.35	11.0178	110178	12.80	10.7013	107013	13.60	10.3726	103726	14.39																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
84.2	66.2	127660	121394	9.43	12.2869	119183	10.60	11.6990	116990	12.35	11.0178	110178	12.80	10.7013	107013	13.60	10.3726	103726	14.39																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					

LEGEND
 TC: Gross Total Cooling Capacity in BTU/hr
 SC: Sensible Cooling Capacity in BTU/hr
 PI: Total Power Input in KW
 DBT: Dry Bulb Temperature
 WBT: Wet Bulb Temperature

HIGH EER ROOF TOP PACKAGE - R410A PRODUCT DATA BOOK

COOLING PERFORMANCE DATA

150K

MODEL	EVAPORATOR CFM	DBT (°F)	WBT (°F)	AMBIENT AIR TEMPERATURE (°F)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
				85.00			95.00			105.00			114.80			118.40			125.00																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
				TC Btu/hr	SC Btu/hr	PI	TC Btu/hr	SC Btu/hr	PI	TC Btu/hr	SC Btu/hr	PI	TC Btu/hr	SC Btu/hr	PI	TC Btu/hr	SC Btu/hr	PI	TC Btu/hr	SC Btu/hr	PI																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
3RTH150GC2				5000			5625			84.2			66.2			84.2			66.2			84.2			66.2																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
				82	69	166123	113332	12.05	158934	110524	13.55	153323	108979	16.54	141860	103404	16.93	137388	101504	17.96	132581	99604	19.08	82	67	161070	121531	11.91	153430	118836	13.41	147966	117129	16.44	136629	110112	17.83	127774	108211	18.94	82	65	154441	129281	11.82	147702	126586	13.27	142608	125509	16.30	132022	1119949	16.67	127774	118161	17.74	123303	116260	18.86	82	63	150173	138829	11.73	143658	136584	13.18	138048	138944	16.15	127774	126768	16.58	123750	123750	17.65	120173	120173	18.77	80	69	166010	105357	12.05	158822	102549	13.55	153200	100886	16.54	141860	95467	16.93	137276	93567	17.83	126581	91667	19.08	80	67	160170	113444	11.91	154300	110861	13.41	147966	109435	16.44	136629	103852	16.80	132358	102063	17.83	127774	100163	18.94	80	65	154554	121307	11.82	147702	118499	13.27	142608	117415	16.30	132022	111900	16.67	127774	110724	17.74	123303	108323	18.86	78	69	147477	134897	11.64	141075	131855	13.14	135996	130410	16.10	125539	120485	16.53	121626	120396	17.60	117378	117378	18.72	78	67	159945	97607	12.05	158597	94667	13.55	152981	92906	16.54	141860	87642	16.93	137053	85854	17.83	126581	83841	19.08	78	65	154666	113669	11.82	147477	110748	13.27	142800	109435	16.30	131911	104187	16.67	127663	102398	17.74	123079	100498	18.86	76	69	165336	88846	12.05	158148	86038	13.55	152525	84128	16.54	141860	79035	16.89	136606	77266	17.96	131911	75457	19.08	76	67	159496	97495	11.91	152756	94799	13.41	147282	93248	16.39	136270	87978	16.80	131799	86189	17.83	127215	84289	18.94	76	65	154666	105806	11.82	147028	102437	13.27	141924	101114	16.25	131463	96026	16.67	127327	94238	17.74	122744	92449	18.86	84.2	66.2	157586	133662	11.87	150847	131079	13.36	145686	130068	16.34	134705	124197	16.76	130346	122409	17.78	125762	120508	18.90	82	69	169829	120633	12.14	162416	117712	13.64	156629	116161	16.64	144766	110335	16.98	140183	108435	18.05	134929	106199	19.17	82	67	164101	130292	12.01	156800	127372	13.50	151043	126079	16.49	139624	120173	16.89	135041	118272	17.92	130234	116260	19.03	82	65	158148	139166	11.87	151296	136470	13.36	145914	135400	16.34	134705	129451	16.76	130234	127663	17.78	125762	125539	18.90	82	63	153430	148713	11.78	146691	144200	13.27	141810	141810	16.25	132358	132358	16.71	128669	128669	17.74	124868	124868	18.90	80	69	169717	111647	12.14	162304	108614	13.64	156515	107041	16.64	144766	101280	16.98	140071	99492	18.05	135041	97368	19.17	80	67	164101	121194	12.01	156800	118274	13.50	151043	116845	16.49	139624	111118	16.89	135041	109217	17.92	130234	107205	19.03	80	65	158148	130068	11.87	151184	145914	13.36	145914	138960	16.20	134705	123936	16.76	130234	118608	17.78	125650	116596	18.90	80	63	151184	144894	11.73	144557	141861	13.64	138960	138276	16.40	129339	129339	16.62	125762	125762	17.69	121961	121961	18.81	78	69	169492	102774	12.14	162079	99833	13.23	156287	98036	16.64	144543	92561	16.98	139848	90661	18.05	134929	86648	19.17	78	67	163876	112433	12.01	156575	109513	13.50	150929	107953	16.49	139400	102287	16.84	134817	100386	17.92	130122	98486	19.03	78	65	157923	121307	11.87	151972	119811	13.36	145686	117301	16.34	134593	116476	16.76	130122	109716	17.78	125927	107876	18.90	78	63	151072	136021	11.73	144332	138786	13.23	138162	130638	16.15	127215	112644	16.58	123526	122409	17.65	119390	119390	18.77	76	69	169043	93451	12.14	161630	90531	13.64	155717	88688	16.64	143984	83506	16.98	139400	81606	18.01	134482	79482	19.12	76	67	163427	103223	12.01	156126	100303	13.50	150473	98606	16.49	138953	93120	16.84	134482	91331	17.92	129675	89319	19.03	76	65	157474	111984	11.87	150822	109288	13.36	145230	107953	16.34	134258	102398	16.76	130234	100610	17.78	125991	98709	18.90	76	63	150622	126698	11.96	154404	146117	13.45	148764	140328	16.44	137612	137612	16.80	133028	133028	17.87	128892	129004	18.94	84.2	66.2	161517	144108	11.96	154441	141412	13.45	148764	140328	16.44	137500	134146	16.80	132917	132246	17.87	128892	129004	18.94	82	69	172862	127484	12.23	165224	124564	13.73	159251	123001	16.74	146555	116707	17.02	141189	114583	18.05	135935	112571	19.17	82	67	167021	138492	12.10	159496	135571	13.45	148308	134286	16.59	141860	128110	16.93	137165	126098	17.96	132346	124085	19.08	82	65	161181	148825	11.96	154104	146117	13.45	148308	144888	16.44	137612	137612	16.80	133028	133028	17.87	128892	129004	18.94	82	63	156912	156575	11.87	150959	150959	13.36	146598	146598	16.39	136717	136717	16.80	132917	132917	17.87	129004	129004	18.99	80	69	172862	117488	12.23	165112	114455	13.73	159251	112855	16.74	146667	106758	17.07	141301	104746	18.10	135823	106222	19.17	80	67	167021	128383	12.10	159496	123530	13.55	153551	123913	16.59	141860	117937	16.93	137165	116037	17.96	132246	114024	19.08	80	65	161181	138716	11.96	154104	135908	13.45	148308	134628	16.44	137612	137612	16.80	133028	133028	17.87	128892	129004	18.94	80	63	154104	151746	11.78	147702	147702	13.27	143292	143292	16.30	133587	133587	16.71	129898	129898	17.78	125986	125986	18.90	78	69	172837	107716	12.23	164887	104683	13.68	158909	102938	16.69	146667	97256	17.07	141301	95132	18.10	135823	93008	19.17	78	67	166797	118611	12.10	159271	115578	13.55	153437	113995	16.54	141636	108211	16.93	136941	106311	17.96	132134	104187	19.08	78	65	161068	128832	11.96	153992	126024	13.45	148194	124711	16.44	136717	118720	16.80	132134	106311	17.96	132134	104187	19.08	76	69	172076	97495	12.23	164438	94462	13.68	158453	92564	16.69	146220	86972	17.02	141301	85138	18.10	131887	83171	19.17	76	67	166235	108390	12.10	158822	105357	13.55	152981	103669	16.54	141860	98029	16.89	136494	96138	17.96	131887	83171	19.08	76	65	160507	118611	11.96	153543	115803	13.41	14738	114337	16.39	136382	108747	16.80	131799	106646	17.83	126992	104634	18.94	76	63	153543	134223	11.78	145456	130405	13.23	139758	129042	16.20	129116	123303	16.62	124868	121514	17.65	120996	119614	18.77	84.2	66.2	164550	154104	12.05	157137	151184	13.50	151271	150132	16.49	140295	140295	16.89	136382	136382	17.96	132358	132358	19.08

LEGEND
 TC: Gross Total Cooling Capacity in BTU/hr
 SC: Sensible Cooling Capacity in BTU/hr
 PI: Total Power Input in KW
 DBT: Dry Bulb Temperature
 WBT: Wet Bulb Temperature

HIGH EER ROOF TOP PACKAGE - R410A PRODUCT DATA BOOK

COOLING PERFORMANCE DATA

216K

MODEL	EVA/PORA TOR CFM	DBT (°F)	WBT (°F)	AMBIENT AIR TEMPERATURE (°F)																	
				85.00			95.00			105.00			114.80			118.40			125.00		
				TC Btu/hr	SC Btu/hr	PI	TC Btu/hr	SC Btu/hr	PI	TC Btu/hr	SC Btu/hr	PI	TC Btu/hr	SC Btu/hr	PI	TC Btu/hr	SC Btu/hr	PI	TC Btu/hr	SC Btu/hr	PI
3RTH216GC2				7200																	
				82	69	235057	173895	16.58	224614	166633	18.62	217466	166463	21.28	197319	157413	22.81	190054	154254	24.24	182052
8100				84.2																	
				82	67	221712	187747	16.45	217369	183804	18.49	210388	183055	21.14	190686	171628	22.68	183736	166574	24.11	176366
8100				66.2																	
				82	65	219287	200746	16.27	209697	196804	18.31	203092	196667	20.99	184368	184368	22.60	177629	177629	24.03	170966
8100				63																	
				82	63	213426	213107	16.19	204050	204050	18.23	197865	197865	20.90	181209	181209	22.52	175629	175629	23.99	169732
8100				69																	
				82	69	234843	160895	16.58	224401	156633	18.62	217249	155178	21.28	197109	144567	22.81	189843	141514	24.24	182052
8100				67																	
				82	67	227065	174641	16.45	217156	170698	18.44	210170	166661	21.14	190475	158571	22.68	183631	155631	24.11	176261
8100				65																	
				82	65	219180	187640	16.27	209484	183698	18.31	202983	183273	20.99	184263	172154	22.60	177524	169206	24.03	170364
8100				63																	
				82	63	210443	209271	16.10	201173	201173	18.18	193727	193727	20.80	177208	177208	22.47	171733	171733	23.90	165942
8100				69																	
				82	69	234311	148216	16.58	223868	144060	18.62	216813	142328	21.28	196582	132433	22.81	189633	128098	24.24	181525
8100				67																	
				82	67	226532	161854	16.45	216729	158019	18.44	209844	156702	21.14	190159	146042	22.68	183210	143093	24.11	175945
8100				65																	
				82	65	218754	174854	16.27	209164	171018	18.31	202656	170205	20.99	183947	159519	22.56	177708	156576	23.99	170048
8100				63																	
				82	63	210230	196378	16.10	200746	191902	18.14	192856	189166	20.80	174471	174471	22.39	168890	168890	23.86	162151
8100				69																	
				82	69	234588	133192	16.58	223016	129782	18.57	215833	128716	21.28	195740	119192	22.81	188791	116244	24.20	180999
8100				67																	
				82	67	225680	148642	16.40	215877	144860	18.44	208972	143192	21.14	189422	133090	22.68	182578	130142	24.11	175208
8100				65																	
				82	65	218008	161535	16.27	208418	157592	18.31	201894	155653	20.99	183210	146357	22.56	176577	143515	23.99	169417
8100				63																	
				82	63	209484	183059	16.10	200001	178583	18.14	192965	176848	20.80	173418	164678	22.39	167205	162151	23.87	160572
8100				84.2																	
				82	66.2	223868	207779	16.36	214066	203943	18.40	207448	203884	21.09	188054	188054	22.64	181420	181420	24.07	174155

LEGEND:
TC: Gross Total Cooling Capacity in BTU/hr
SC: Sensible Cooling Capacity in BTU/hr
PI: Total Power Input in KW
DBT: Dry Bulb Temperature
WBT: Wet Bulb Temperature

HIGH EER ROOF TOP PACKAGE - R410A PRODUCT DATA BOOK

COOLING PERFORMANCE DATA

240K

MODEL	EVA/PORA TOR CFM	DBT (°F)	WBT (°F)	AMBIENT AIR TEMPERATURE (°F)																							
				85.00				95.00				105.00				114.80				118.40				125.00			
				TC Btu/hr	SC Btu/hr	PI KW	TC Btu/hr	SC Btu/hr	PI KW	TC Btu/hr	SC Btu/hr	PI KW	TC Btu/hr	SC Btu/hr	PI KW	TC Btu/hr	SC Btu/hr	PI KW	TC Btu/hr	SC Btu/hr	PI KW	TC Btu/hr	SC Btu/hr	PI KW			
3RTH240GC2																											
8000																											
82	82	69	69	259984	180144	18.83	248131	175447	21.19	241332	174808	25.27	220046	164016	26.52	212144	160426	28.20	203394	156612	30.04	192109	152109	29.87			
82	82	67	67	251038	192109	18.66	239521	187412	21.01	232962	187335	25.07	213042	176693	26.35	205189	173328	28.07	196662	169626	29.87	245224	206534	24.88			
82	82	65	65	245224	206534	18.57	233930	201166	20.89	225032	190588	24.88	206307	188361	26.18	198009	185107	27.90	189931	181742	29.87	237061	219505	18.40			
80	80	69	69	259649	167843	18.83	247796	163371	21.19	241007	162510	25.27	220109	153124	26.48	211808	148530	27.73	204434	184434	29.58	256499	227965	18.83			
80	80	67	67	251262	180256	18.66	239297	175335	21.01	232732	175335	25.07	212817	164577	26.35	205076	161212	28.07	196550	157509	29.87	251262	219505	18.40			
80	80	65	65	245000	194345	18.31	233594	188978	20.69	225147	186990	24.88	205413	176245	26.18	197784	173103	27.90	189056	169626	29.71	245000	209295	18.78			
78	78	69	69	258978	153866	18.83	247236	149281	21.14	240433	148239	25.22	219548	138662	26.48	211359	133633	28.20	202608	132716	30.04	258978	228738	18.66			
78	78	67	67	251262	169073	18.66	238738	163706	20.97	232158	162855	25.02	212368	152910	26.31	204628	149544	28.03	196101	148442	29.87	251262	228738	18.66			
78	78	65	65	244553	182716	18.53	233259	177460	20.89	225147	175268	24.88	205076	164655	26.18	197448	161324	27.86	189370	157846	29.71	244553	232700	18.31			
76	76	69	69	258978	139217	18.78	246118	134744	21.14	239283	133203	25.22	218651	129666	26.48	210461	120937	28.20	201711	118020	30.00	258978	201949	18.31			
76	76	67	67	251038	155431	18.66	237620	150064	20.89	231238	149294	25.02	214471	140008	26.31	203730	138687	28.03	195316	133389	29.83	251038	215038	18.31			
76	76	65	65	243658	170504	18.53	232684	165160	20.89	224917	163200	24.88	204291	152124	26.14	196662	148983	27.86	188585	145505	29.71	243658	211789	18.31			
84.2	84.2	66.2	66.2	249249	211789	18.61	235942	205527	20.93	229514	204722	24.98	209900	195092	26.27	202272	191838	27.99	193970	188248	29.83	249249	211789	18.61			
82	82	69	69	266470	191550	18.96	254058	186518	21.31	246409	185726	25.36	224821	174450	26.60	216295	170747	28.32	207208	166821	30.13	266470	211789	18.61			
82	82	67	67	257188	205304	18.78	245224	200495	21.10	238249	200437	25.17	217529	189146	26.43	209115	185556	28.15	200365	181742	29.96	257188	219169	18.61			
82	82	65	65	249361	219169	18.61	236837	213690	20.97	229974	213150	24.98	210013	202833	26.27	202160	199467	27.99	193858	193858	29.83	249361	219169	18.61			
82	82	63	63	242875	235048	18.53	231338	229569	20.84	223308	223308	24.88	203730	203730	26.14	197111	197111	27.86	190043	190043	29.71	242875	235048	18.53			
80	80	69	69	266022	178131	18.96	235610	173099	21.27	246064	171935	25.17	224485	169697	26.60	215958	157285	28.32	206671	153359	30.13	266022	178131	18.96			
80	80	67	67	256965	191661	18.78	245000	186853	21.40	238019	186531	25.17	217305	175712	26.43	209003	171869	28.15	200140	168055	29.96	256965	191661	18.78			
80	80	65	65	249385	205863	18.66	236613	200048	20.93	228859	198884	24.98	209900	189258	26.27	202047	183893	27.99	193633	182303	29.83	249385	205863	18.66			
78	78	69	69	238738	228674	18.44	227332	231395	20.76	220435	220435	24.78	200589	200589	26.06	192960	192960	27.78	185893	185893	29.62	238738	228674	18.44			
78	78	67	67	265351	163482	18.66	235051	158674	21.27	245490	158028	25.36	222934	147974	26.56	215397	144721	28.28	206423	140345	30.13	265351	163482	18.66			
78	78	65	65	249385	193115	18.66	236054	166853	20.93	229399	186464	24.98	209452	176020	26.27	201599	191390	27.79	193297	160605	29.58	249385	193115	18.66			
76	76	69	69	264233	146821	18.91	251933	142013	21.27	244455	140904	25.32	222914	132155	26.56	214388	123951	28.28	205413	126322	30.08	264233	146821	18.91			
76	76	67	67	255939	164712	18.74	243495	160016	21.10	236525	158948	25.12	219588	148759	26.39	207657	145169	28.11	198906	141242	29.96	255939	164712	18.74			
76	76	65	65	248690	179249	18.61	235942	173546	20.93	228480	172394	24.98	208666	162221	26.22	200813	158743	27.94	192512	155154	29.96	248690	179249	18.61			
84.2	84.2	63	63	237620	201613	18.40	226214	196134	20.76	219401	195265	24.73	200008	183424	26.06	191277	178713	27.73	182415	174337	29.54	237620	201613	18.40			
84.2	84.2	66.2	66.2	235610	225879	18.70	241757	221182	21.06	234801	220550	25.12	214500	210237	26.35	206310	206310	28.07	197672	197672	29.92	235610	225879	18.70			
82	82	67	67	262332	217827	18.87	249920	212907	21.23	242501	212850	25.27	220895	200925	26.52	212368	197223	28.24	203281	193297	30.04	262332	217827	18.87			
82	82	65	65	253387	232700	18.70	241310	227891	21.06	234226	227187	25.07	219715	213715	26.35	205525	205525	28.03	197336	197336	29.92	253387	232700	18.70			
80	80	69	69	247684	247460	18.61	234712	234712	20.93	228020	228020	24.93	210013	210013	26.27	203169	203169	28.03	195765	195765	29.87	247684	247460	18.61			
80	80	67	67	271166	187188	19.04	258083	181821	21.40	250087	180669	25.46	227962	169401	26.69	219212	166475	28.36	209339	161324	30.21	271166	187188	19.04			
80	80	65	65	262109	202732	18.87	249696	197812	21.23	242272	197449	25.27	220670	185780	26.52	212144	182078	28.24	203169	178152	30.04	262109	202732	18.87			
80	80	63	63	243435	242875	18.53	231693	231693	21.06	233997	212512	25.07	213490	201599	26.35	205301	198009	28.07	196550	194082	29.87	243435	242875	18.53			
78	78	69	69	270607	172764	19.04	257412	167396	21.36	249512	165843	25.46	227401	159299	26.64	218763	151227	28.36	208891	146740	30.17	270607	172764	19.04			
78	78	67	67	261438	188195	18.87	249137	183163	21.19	241812	182393	25.27	220221	171196	26.52	211695	167494	28.20	202720	163567	30.04	261438	188195	18.87			
78	78	65	65	252604	202955	18.70	240639	198147	20.84	233537	197909	24.83	207456	186992	26.35	204964	188312	28.07	187239	187239	29.66	252604	202955	18.70			
76	76	69	69	269377	154313	19.04	259294	150064	21.36	248478	149408	25.41	226392	139896	26.64	217753	136194	28.36	208218	131931	30.17	269377	154313	19.04			
76	76	67	67	260319	172987	18.83	248019	167925	21.19	240777	166878	25.27	223617	166878	26.48	210798	150349	28.20	201823	148422	30.00	260319	172987	18.83			
76	76	65	65	251486	187412	18.66	239744	182827	21.01	232561	182728	25.07	212256	171533	26.31	204179	160855	28.03	195428	164128	29.87	251486	187412	18.66			
84.2	84.2	66.2	66.2	242204	212796	18.48	230463	207204	20.84	223078	206299	24.83	201486	193072	26.10	193633	188919	27.78	185444	185444	29.62	242204	212796	18.48			
				258530	240863	18.83	246342	235942	21.14	239168	235130	25.22	217978	217978	26.43	209788	209788	28.15	200813	200813	30.00	258530	240863	18.83			

LEGEND
TC: Gross Total Cooling Capacity in BTU/hr
SC: Sensible Cooling Capacity in BTU/hr
PI: Total Power Input in KW
DBT: Dry Bulb Temperature
WBT: Wet Bulb Temperature

HIGH EER ROOF TOP PACKAGE - R410A PRODUCT DATA BOOK

COOLING PERFORMANCE DATA

300K

MODEL	EVAPORATOR TOR CFM	DBT (°F)	WBT (°F)	AMBIENT AIR TEMPERATURE (°F)																													
				85.00				95.00				105.00				114.80				118.40				125.00									
				TC Btu/hr	SC Btu/hr	PI	EER	TC Btu/hr	SC Btu/hr	PI	EER	TC Btu/hr	SC Btu/hr	PI	EER	TC Btu/hr	SC Btu/hr	PI	EER	TC Btu/hr	SC Btu/hr	PI	EER	TC Btu/hr	SC Btu/hr	PI	EER						
3RTH300GC2																																	
8800	8800	82	69	289308	215224	21.78	285864	209669	24.23	278811	209642	29.68	257280	199282	31.73	247536	194990	33.65	237212	190466	35.61	228826	188226	35.61	220322	180621	35.43	211838	175386	35.24	203354	169639	35.11
		82	65	281762	246898	21.39	266951	236606	23.84	258994	238666	29.22	240112	230485	31.32	223181	226541	33.23	221669	221669	35.24	216333	216333	35.11	209293	209293	35.03	202729	202729	34.92	195748	195748	34.61
		82	63	272989	263419	21.21	260456	257380	23.71	253902	253902	29.68	233268	233268	31.73	224221	224221	33.05	216333	216333	35.11	209293	209293	35.03	202729	202729	34.92	195748	195748	34.61	188226	188226	34.29
		80	69	298729	200412	21.78	285294	195057	24.23	278223	194686	29.68	266166	184318	31.73	247072	180026	33.60	234892	175386	35.61	226052	175386	35.61	218687	175386	35.20	209293	209293	34.92	195748	195748	34.61
		80	67	288485	215224	21.56	275496	209983	24.01	268706	209783	29.42	248464	200326	31.55	229184	196150	33.42	220993	191626	35.43	213445	191626	35.43	204337	204337	35.20	195748	195748	34.92	188226	188226	34.29
		80	65	281307	231403	21.39	267179	225022	23.84	259542	224922	29.22	248464	200326	31.55	229184	196150	33.42	220993	191626	35.43	213445	191626	35.43	204337	204337	35.20	195748	195748	34.92	188226	188226	34.29
		80	63	268204	256241	21.08	255899	250316	23.58	249202	249202	28.96	230137	230137	31.09	220857	220857	32.96	211693	211693	35.20	203354	203354	35.11	195748	195748	34.92	188226	188226	34.29	177066	177066	33.74
		78	69	297827	182980	21.74	284497	177739	24.23	277518	177699	29.68	256120	169471	31.73	246376	165411	33.60	236052	160887	35.61	226052	160887	35.61	218687	160887	35.20	209293	209293	34.92	195748	195748	34.61
		78	67	287801	200640	21.52	274812	195513	24.01	268119	195273	29.42	247884	185594	31.50	238604	181534	33.42	228513	177010	35.38	220857	193222	35.20	209293	209293	34.92	195748	195748	34.61	188226	188226	34.29
		78	65	280965	217389	21.39	267179	211008	23.84	258954	210077	29.17	239300	200442	31.32	220369	196498	33.19	220857	193222	35.20	209293	209293	34.92	195748	195748	34.61	188226	188226	34.29	177066	177066	33.74
		76	69	296346	164409	21.74	283016	159168	24.19	276108	158380	29.63	254844	150447	31.68	245216	147083	33.55	234892	143719	35.56	224972	143719	35.56	216333	143719	35.20	209293	209293	34.92	195748	195748	34.61
		76	69	280395	202577	21.34	266495	196197	23.84	258014	194568	29.17	238256	185014	31.27	229325	181070	33.19	224892	176894	35.20	219929	176894	35.20	210949	210949	34.92	195748	195748	34.61	188226	188226	34.29
76	67	286434	184348	21.48	273559	179334	23.97	266826	179059	29.37	246608	170051	31.50	237444	166339	33.37	227585	161815	35.38	220857	161815	35.38	213445	161815	35.20	209293	209293	34.92	195748	195748	34.61		
84.2	66.2	284725	235295	21.48	271964	247582	23.93	265299	246082	29.32	245216	238720	31.45	236168	234776	33.33	226309	226309	35.33	219929	226309	35.33	213445	213445	35.20	209293	209293	34.92	195748	195748	34.61		
82	69	303068	222402	21.87	289396	216933	24.32	281748	216774	29.78	259832	206009	31.82	246972	201601	33.69	239532	196962	35.65	229329	196962	35.65	221437	214709	35.47	210949	210949	34.92	195748	195748	34.61		
82	67	292472	238581	21.65	279142	233112	24.10	272231	232172	29.53	251480	225255	31.59	241736	219233	33.46	241736	219233	33.46	241736	219233	33.46	241736	219233	33.46	241736	219233	33.46	241736	219233	33.46		
82	65	283130	254418	21.43	269571	248607	23.88	262832	247057	29.27	242780	239764	31.41	233616	233616	33.28	223898	223898	35.29	219929	223898	35.29	213445	213445	35.20	209293	209293	34.92	195748	195748	34.61		
80	69	302999	206679	21.87	288826	201210	24.32	281278	200560	29.73	259368	190002	31.77	249508	185594	33.69	238852	180954	35.65	228852	180954	35.65	221437	210949	35.47	210949	210949	34.92	195748	195748	34.61		
80	67	291230	222630	21.61	278800	217161	24.10	271878	216721	29.53	251132	207285	31.59	241504	202993	33.46	231297	198470	35.47	220277	198470	35.47	213445	213445	35.20	209293	209293	34.92	195748	195748	34.61		
80	65	283471	239037	21.43	269343	239770	23.88	262749	231845	29.27	241877	232355	31.41	233884	229641	33.28	223757	215589	35.29	215899	215589	35.29	210949	210949	34.92	195748	195748	34.61	188226	188226	34.29		
80	63	271622	263811	21.17	258975	238975	23.66	252140	252140	29.01	231877	230601	31.13	223641	223641	33.05	215405	215405	35.38	210949	215405	35.38	210949	210949	34.92	195748	195748	34.61	188226	188226	34.29		
78	69	301587	189247	21.83	287915	184575	24.32	280455	184225	29.73	258672	174574	31.77	248812	170167	33.65	238872	165277	35.65	228872	165277	35.65	221437	210949	35.47	210949	210949	34.92	195748	195748	34.61		
78	67	291447	207135	21.61	278116	201780	24.06	271174	201735	29.47	250552	191742	31.59	240924	187450	33.46	230717	182810	35.47	220717	182810	35.47	213445	213445	35.20	209293	209293	34.92	195748	195748	34.61		
78	65	283585	224111	21.43	268432	217047	23.88	261892	216387	29.27	241986	207779	31.36	232804	203805	33.28	223177	195134	35.24	219929	223177	35.24	213445	213445	35.20	209293	209293	34.92	195748	195748	34.61		
76	69	300106	169194	21.83	286434	164409	24.27	279046	164255	29.68	257396	156015	31.73	247536	152651	33.65	237096	149171	35.61	227096	149171	35.61	221437	210949	35.47	210949	210949	34.92	195748	195748	34.61		
76	67	290080	190842	21.56	276683	185715	24.06	269881	185286	29.47	249392	175927	31.55	239764	171210	33.42	229673	166687	35.43	226687	166687	35.43	221437	210949	35.47	210949	210949	34.92	195748	195748	34.61		
76	65	282674	208046	21.43	268204	201552	23.84	260834	201030	29.22	240924	191278	31.36	231761	181734	33.23	222249	181358	35.24	219929	222249	35.24	213445	213445	35.20	209293	209293	34.92	195748	195748	34.61		
76	63	270141	234023	21.13	257494	227985	23.62	250730	227819	28.96	230949	216333	31.13	220857	210997	32.96	210765	210765	35.38	210949	210765	35.38	210949	210949	34.92	195748	195748	34.61	188226	188226	34.29		
84.2	66.2	288371	262735	21.52	275268	227985	24.01	268354	225580	29.42	248000	243100	31.50	238604	238604	33.42	228513	228513	35.38	222249	228513	35.38	221437	210949	35.47	210949	210949	34.92	195748	195748	34.61		
82	69	308651	234023	22.00	294067	227985	24.45	286095	227936	29.88	263659	216913	31.91	253104	212041	33.78	241852	207401	35.75	23104	207401	35.75	224452	216449	35.33	216449	216449	35.33	210949	210949	34.92		
82	67	297827	252139	21.74	284155	246536	24.23	276931	245456	29.63	255076	236516	31.68	245216	232109	33.55	234660	227469	35.56	226687	227469	35.56	221437	210949	35.47	210949	210949	34.92	195748	195748	34.61		
82	65	287687	269457	21.52	274357	263988	23.97	267296	262193	29.37	246608	246608	31.50	237328																			

HIGH EER ROOF TOP PACKAGE - R410A PRODUCT DATA BOOK

ELECTRICAL DATA

Outdoor

MODEL	POWER SUPPLY			COMPRESSOR				CONDENSER MOTOR			BLOWER MOTOR		MCA	MOC
	V-Ph-Hz	MIN	MAX	TYPE	RLA	LRA	QTY	HP	FLA	QTY	HP	FLA	AMPS	AMPS
3RTH048GC1	380-415-3-50	342	456	SCR	6.9	72	1	3/4	5.7	1	3/4	6.0	21	25
3RTH060GC1	380-415-3-50	342	456	SCR	9.5	67.1	1	3/4	5.7	1	1.0	7.6	26	35
3RTH072GC1	380-415-3-50	342	456	SCR	9.8	75	1	3/4	5.7	1	1.3	2.7	21	30
3RTH090GC1	380-415-3-50	342	456	SCR	12.4	101	1	3/4	5.7	1	1.3	2.7	24	35
3RTH120GC2	380-415-3-50	342	456	SCR	8.3	64	2	1/2	3.0	2	2.6	5.0	30	40
3RTH150GC2	380-415-3-50	342	456	SCR	11.7	101	2	3/4	5.7	2	2.6	5.0	43	55
3RTH180GC2	380-415-3-50	342	456	SCR	12.4	101	2	1 1/2	3.0	2	5.0	7.3	42	55
3RTH216GC2	380-415-3-50	342	456	SCR	16.6	118	2	1/2	3.0	4	5.0	7.3	57	75
3RTH240GC2	380-415-3-50	342	456	SCR	18.3	118	2	1/2	3.0	4	5.0	7.3	60	80
3RTH300GC2	380-415-3-50	342	456	SCR	20.8	140	2	1/2	3.0	4	7.5	10.5	70	90

Note:

SCR: Scroll
 RLA: Running Load Amps
 LRA: Locked Rotor Amps
 FLA: Full Load Amps
 MCA: Minimum Circuit Amps
 MOC: Maximum Over Current Protection
 QTY: Quantity

HIGH EER ROOF TOP PACKAGE - R410A PRODUCT DATA BOOK

FAN PERFORMANCE DATA

048K - 180K

Fan Performance - Direct Drive Blower Motor Assembly

Model	Speed Tap	External Static Pressure (in.wg.)										
		0.1	0.15	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0
3RTH048GC1	2	1642	1621	1600	1557	1517	-	-	-	-	-	-
	3	1441	1420	1400	1354	1311	-	-	-	-	-	-
3RTH060GC1	1	2018	1984	1950	1886	1824	-	-	-	-	-	-
	2	1754	1702	1650	1616	1552	-	-	-	-	-	-

Fan Performance - Belt Drive Blower Motor Assembly

MODEL : 3RTH072GC1														
ESP(inch of WG)	0.2		0.25		0.4		0.6		0.8		1.0		1.2	
Airflow(cfm)	RPM	KW	RPM	KW	RPM	KW	RPM	KW	RPM	KW	RPM	KW	RPM	KW
2100	641	0.30	643	0.30	729	0.37	810	0.44	887	0.51	962	0.60	1035	0.69
2200	644	0.31	646	0.32	731	0.38	811	0.45	887	0.53	960	0.61	1031	0.70
2300	647	0.33	649	0.33	733	0.40	811	0.47	886	0.55	958	0.63	1027	0.72
2400	653	0.35	655	0.35	737	0.43	814	0.50	887	0.58	957	0.67	1025	0.75
2500	659	0.38	661	0.38	741	0.46	817	0.54	889	0.62	957	0.70	1023	0.79

MODEL : 3RTH090GC1														
ESP(inch of WG)	0.2		0.25		0.4		0.6		0.8		1.0		1.2	
Airflow(cfm)	RPM	KW	RPM	KW	RPM	KW	RPM	KW	RPM	KW	RPM	KW	RPM	KW
2800	528	0.34	530	0.34	604	0.44	672	0.53	740	0.64				
3000	533	0.38	535	0.38	607	0.48	674	0.58	739	0.69	801	0.81	858	0.94
3200	538	0.42	540	0.42	610	0.52	676	0.63	738	0.74	798	0.86	857	0.99
3400	543	0.46	545	0.46	613	0.56	678	0.68	737	0.79	795	0.91	856	1.04
3600	548	0.5	550	0.50	616	0.6	680	0.73	736	0.84	792	0.96	855	1.09

MODEL : 3RTH120GC2																
ESP(inch of WG)	0.2		0.30		0.4		0.6		0.8		1.0		1.2		1.6	
Airflow(cfm)	RPM	KW	RPM	KW	RPM	KW	RPM	KW	RPM	KW	RPM	KW	RPM	KW	RPM	KW
3500	548	0.50	582	0.55	617	0.60	681	0.71	741	0.82	798	0.94	854	1.07	911	1.20
3600	551	0.52	585	0.57	619	0.62	682	0.73	742	0.85	798	0.97	853	1.1	909	1.23
3800	558	0.57	592	0.63	625	0.68	687	0.8	745	0.92	800	1.05	853	1.18	908	1.31
4000	565	0.63	598	0.69	631	0.74	692	0.86	749	0.99	803	1.11	855	1.25	908	1.38
4200	572	0.69	605	0.75	637	0.81	697	0.93	753	1.06	806	1.19	857	1.33	909	1.47
4400	579	0.74	611	0.80	643	0.86	702	0.99	756	1.13	808	1.25	857	1.40	907	1.53
4500	583	0.77	614	0.83	646	0.89	705	1.02	758	1.17	809	1.28	857	1.435	906	1.56
4600	586	0.79	618	0.85	649	0.91	707	1.05	759	1.2	810	1.31	857	1.47	905	1.59

MODEL : 3RTH150GC2																		
ESP(inch of WG)	0.2		0.30		0.4		0.6		0.8		1.0		1.2		1.4		1.6	
Airflow(cfm)	RPM	KW	RPM	KW	RPM	KW	RPM	KW	RPM	KW	RPM	KW	RPM	KW	RPM	KW	RPM	KW
4400	581	0.76	613	0.82	644	0.88	703	1.01	758	1.14	810	1.28	860	1.42	908	1.56	955	1.71
4600	590	0.84	621	0.90	651	0.96	709	1.09	764	1.23	815	1.37	864	1.51	911	1.66	957	1.81
4800	599	0.92	629	0.99	659	1.05	716	1.18	770	1.33	821	1.47	869	1.61	915	1.77	960	1.92
5000	608	1.00	638	1.07	667	1.14	723	1.27	776	1.42	826	1.56	873	1.71	919	1.87	963	2.02
5200	619	1.09	648	1.16	676	1.23	730	1.37	782	1.52	832	1.67	879	1.82	924	1.98	967	2.14
5400	630	1.18	658	1.25	685	1.32	737	1.47	788	1.62	838	1.78	885	1.93	929	2.09	971	2.26
5500	636	1.23	663	1.30	690	1.37	741	1.52	791	1.67	841	1.84	888	1.99	932	2.15	973	2.32
5600	641	1.27	694	1.41	744	1.57	794	1.72	844	1.89	891	2.04	934	2.2	975	2.38	975	2.38

MODEL : 3RTH180GC2																
ESP(inch of WG)	0.2		0.4		0.6		0.8		1.0		1.2		1.4		1.6	
Airflow(cfm)	RPM	KW	RPM	KW	RPM	KW	RPM	KW	RPM	KW	RPM	KW	RPM	KW	RPM	KW
5200	619	1.09	676	1.23	730	1.37	782	1.52	832	1.67	879	1.82	924	1.98	967	2.14
5400	629	1.19	685	1.33	738	1.48	789	1.63	838	1.79	884	1.94	929	2.1	972	2.27
5600	640	1.30	695	1.45	747	1.60	797	1.75	845	1.91	890	2.07	935	2.24	977	2.41
5800	651	1.41	704	1.56	755	1.71	804	1.87	851	2.03	896	2.20	940	2.37	982	2.54
6000	663	1.52	714	1.68	764	1.84	812	2.00	858	2.17	903	2.34	946	2.51	988	2.69
6200	675	1.65	725	1.81	773	1.97	820	2.14	866	2.31	910	2.48	952	2.66	993	2.84
6400	687	1.78	736	1.94	782	2.1	828	2.28	874	2.45	917	2.62	958	2.81	998	2.99
6600	699	1.91	747	2.07	791	2.23	836	2.42	882	2.59	924	2.76	964	2.96	1003	3.14
6700	705	1.98	753	2.14	796	2.30	840	2.49	886	2.66	928	2.83	967	3.04	1006	3.22

Notes:

- Data includes losses for filters, unit casting & wet coil
- Shaded region indicates alternate drive requirement
- Bold value in RPM indicates Blower speed with factory settings

HIGH EER ROOF TOP PACKAGE - R410A PRODUCT DATA BOOK

FAN PERFORMANCE DATA

216K - 300K

Fan Performance - Belt Drive Blower Motor Assembly

MODEL : 3RTH216GC2																
ESP(inch of WG)	0.2		0.4		0.6		0.8		1.0		1.2		1.4		1.6	
Airflow(cfm)	RPM	KW	RPM	KW	RPM	KW	RPM	KW	RPM	KW	RPM	KW	RPM	KW	RPM	KW
6300	564	0.89	637	1.10	710	1.32	775	1.56	839	1.82	901	2.10	961	2.405	1021	2.73
6600	568	0.96	643	1.17	711	1.4	776	1.64	838	1.9	898	2.18	956	2.48	1014	2.8
6900	573	1.04	647	1.25	714	1.49	778	1.74	838	2.00	897	2.28	953	2.57	1009	2.89
7200	578	1.11	650	1.34	717	1.58	779	1.83	838	2.1	895	2.38	951	2.67	1005	2.98
7500	583	1.2	654	1.43	720	1.68	781	1.93	840	2.2	896	2.48	950	2.78	1003	3.09
7800	586	1.29	657	1.52	723	1.8	784	2.02	843	2.29	899	2.57	950	2.9	1003	3.18
8100	589	1.38	660	1.61	726	1.92	787	2.11	846	2.38	902	2.66	950	3.02	1003	3.27

MODEL : 3RTH240GC2																
ESP(inch of WG)	0.2		0.4		0.6		0.8		1.0		1.2		1.4		1.6	
Airflow(cfm)	RPM	KW	RPM	KW	RPM	KW	RPM	KW	RPM	KW	RPM	KW	RPM	KW	RPM	KW
7000	575	1.06	648	1.28	715	1.52	778	1.77	838	2.03	896	2.31	952	2.6	1007	2.92
7200	578	1.11	650	1.34	717	1.58	779	1.83	838	2.10	895	2.38	951	2.67	1005	2.98
7400	582	1.17	653	1.40	719	1.64	780	1.90	839	2.17	895	2.45	950	2.74	1003	3.06
7600	586	1.23	656	1.47	721	1.72	782	1.98	840	2.25	896	2.53	950	2.83	1002	3.14
7800	589	1.29	659	1.53	724	1.78	784	2.04	841	2.32	896	2.60	950	2.90	1001	3.21
8000	593	1.35	662	1.60	726	1.85	786	2.12	843	2.40	897	2.68	950	2.98	1001	3.30
8400	601	1.49	669	1.74	732	2.01	791	2.28	847	2.56	900	2.86	951	3.16	1001	3.48
8600	605	1.56	672	1.81	735	2.09	794	2.36	849	2.64	901	2.95	951	3.25	1001	3.57
8800	610	1.64	676	1.90	738	2.17	796	2.45	851	2.74	903	3.04	954	3.35	1003	3.68
9000	614	1.72	680	1.98	740	2.26	799	2.55	853	2.84	905	3.14	955	3.46	1004	3.78

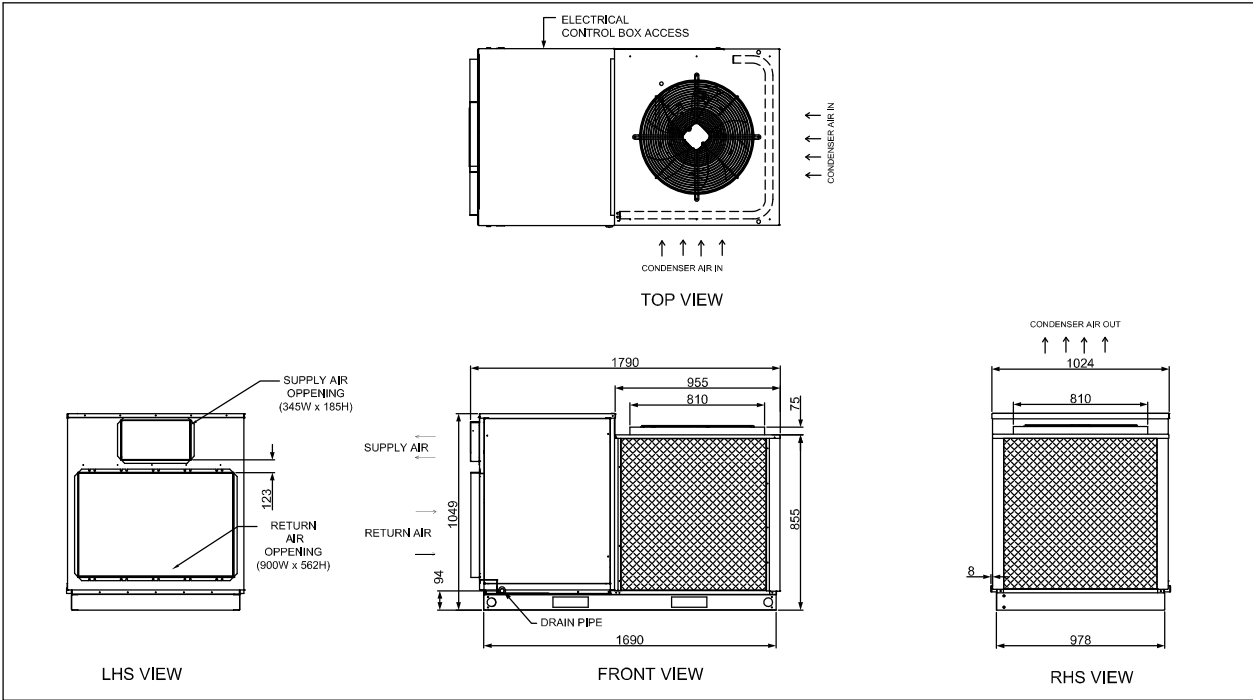
MODEL : 3RTH300GC2																
ESP(inch of WG)	0.2		0.4		0.6		0.8		1.0		1.2		1.4		1.6	
Airflow(cfm)	RPM	KW	RPM	KW	RPM	KW	RPM	KW	RPM	KW	RPM	KW	RPM	KW	RPM	KW
8800	610	1.64	676	1.90	738	2.17	796	2.45	851	2.74	903	3.04	954	3.35	1003	3.68
9000	614	1.72	680	1.98	740	2.26	799	2.55	853	2.84	905	3.14	955	3.46	1004	3.78
9200	619	1.80	684	2.07	745	2.35	802	2.64	856	2.94	907	3.24	957	3.56	1005	3.89
9400	624	1.89	688	2.16	749	2.45	805	2.74	859	3.04	910	3.35	959	3.67	1007	4.00
9600	629	1.97	692	2.25	752	2.54	808	2.84	861	3.14	912	3.46	961	3.78	1008	4.11
9800	634	2.06	696	2.34	755	2.64	811	2.94	864	3.25	914	3.57	963	3.90	1010	4.23
10000	639	2.15	701	2.44	759	2.74	814	3.05	867	3.36	917	3.68	965	4.01	1012	4.35
10200	644	2.25	705	2.54	763	2.84	818	3.16	870	3.48	920	3.80	968	4.14	1014	4.48
10400	650	2.35	710	2.65	767	2.95	821	3.27	873	3.59	923	3.92	970	4.26	1016	4.61
10500	653	2.40	713	2.71	769	3.005	823	3.33	875	3.65	925	3.98	971	4.32	1017	4.68

Notes:

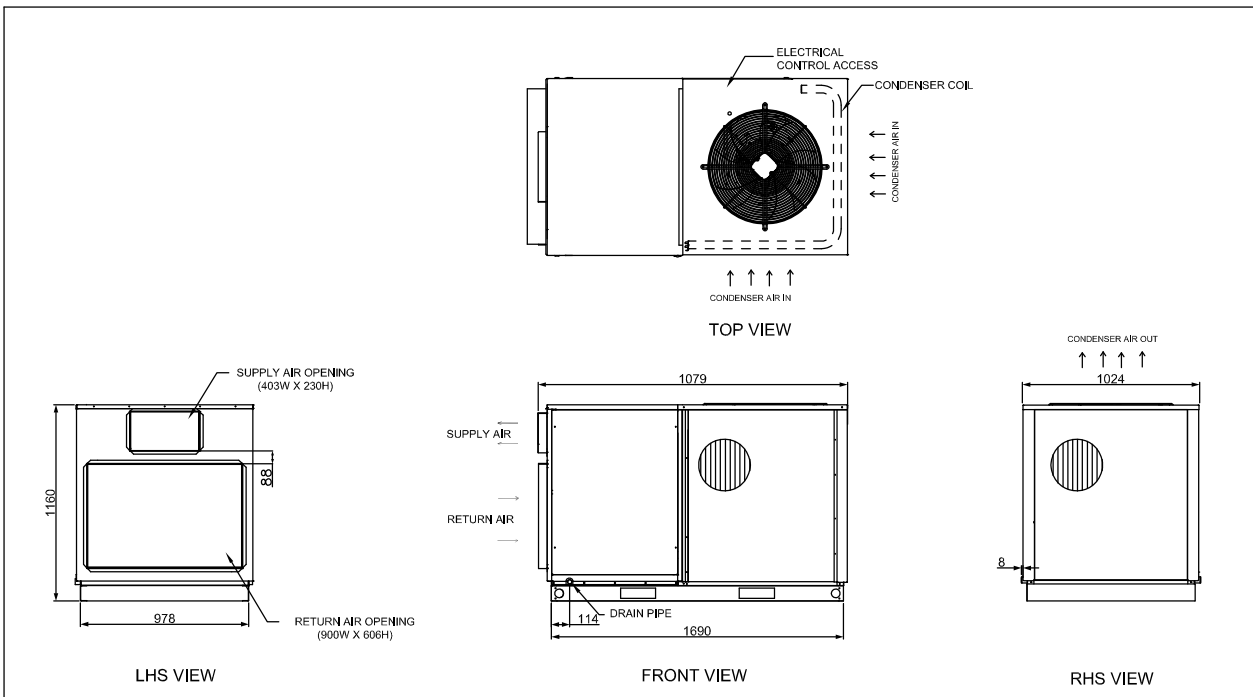
- Data includes losses for filters, unit casting & wet coil
- Shaded region indicates alternate drive requirement
- Bold value in RPM indicates Blower speed with factory settings

GENERAL ARRANGEMENT DRAWINGS

048K - 060K

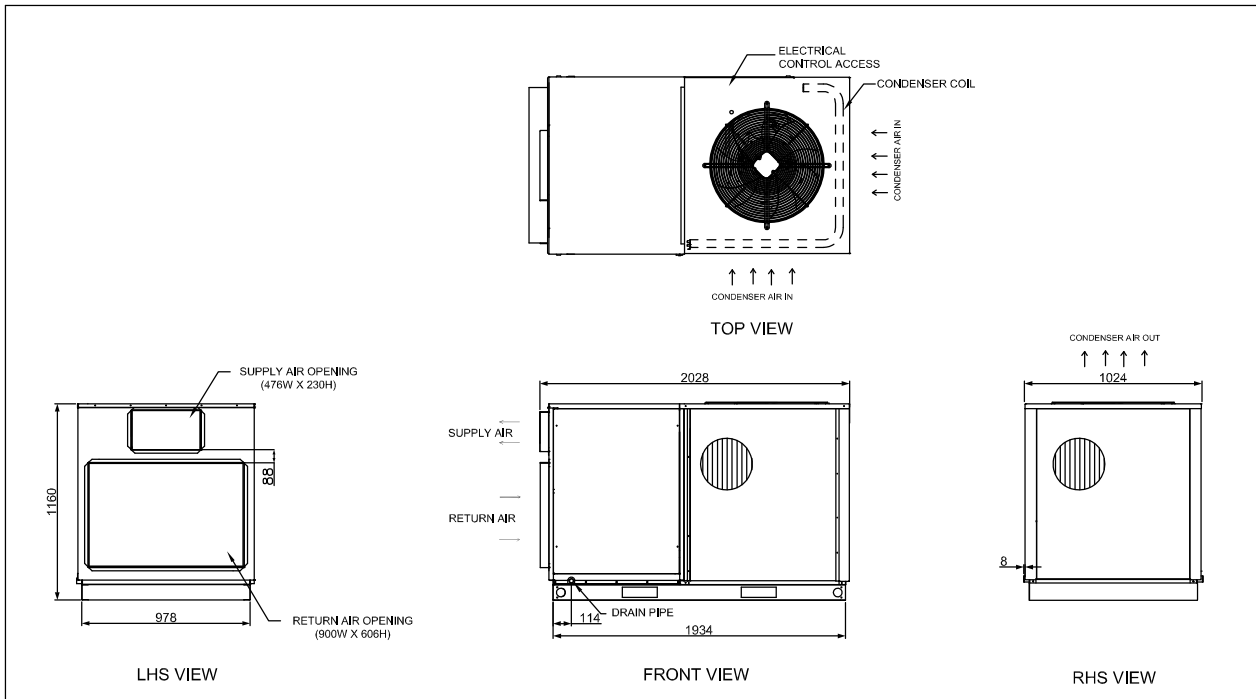


072K

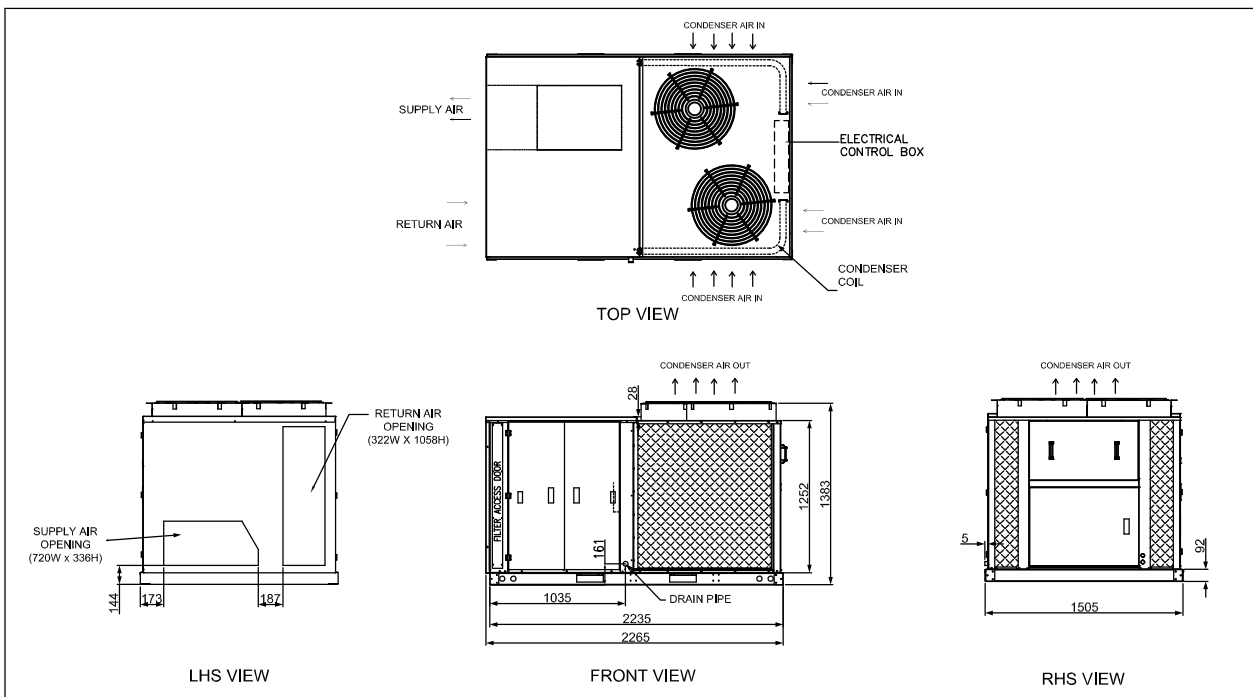


GENERAL ARRANGEMENT DRAWINGS

090K

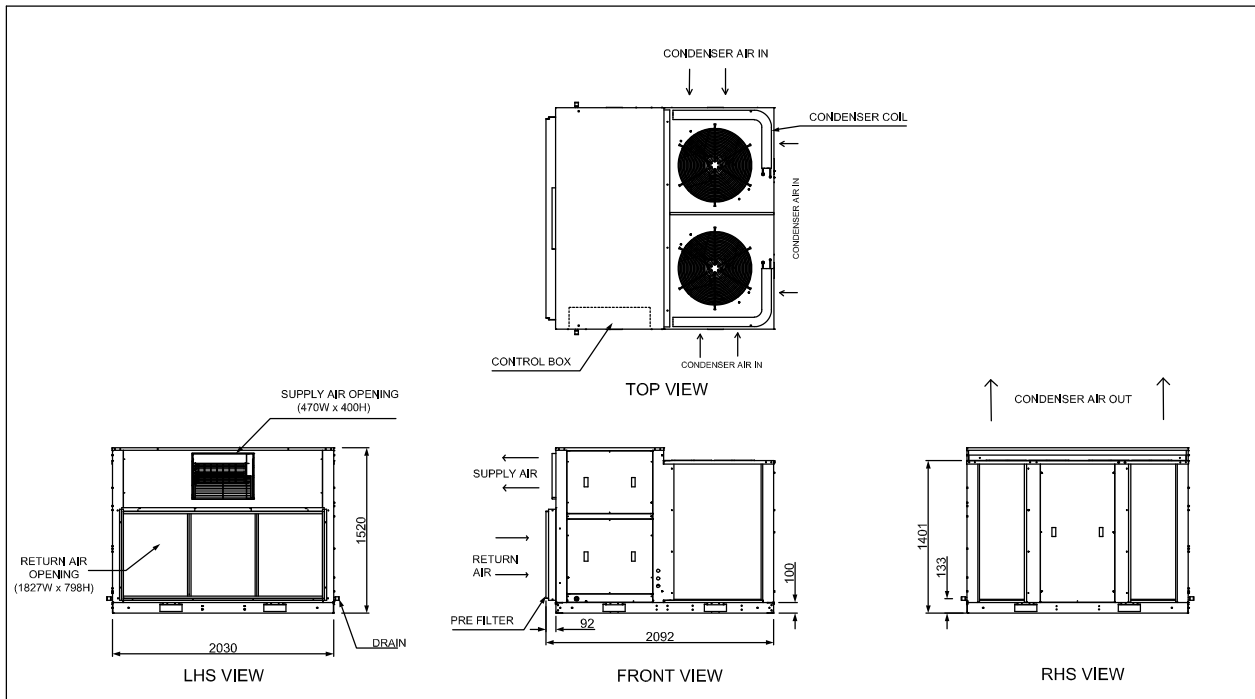


120K

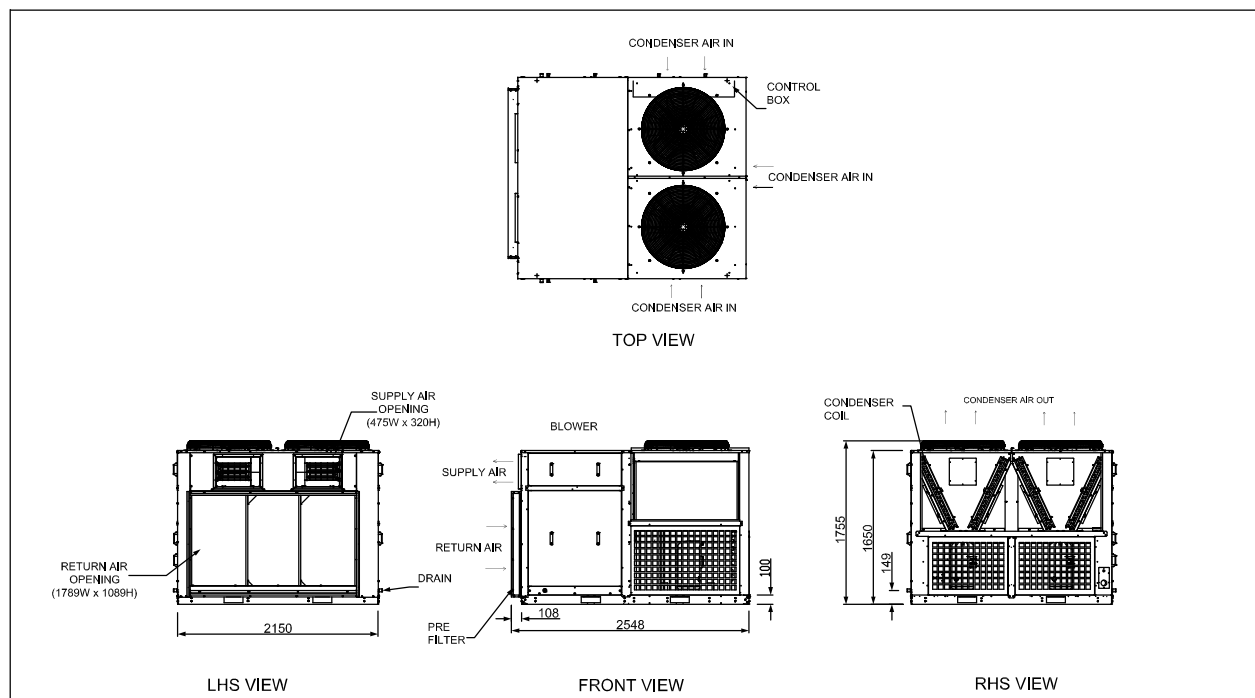


GENERAL ARRANGEMENT DRAWINGS

150K

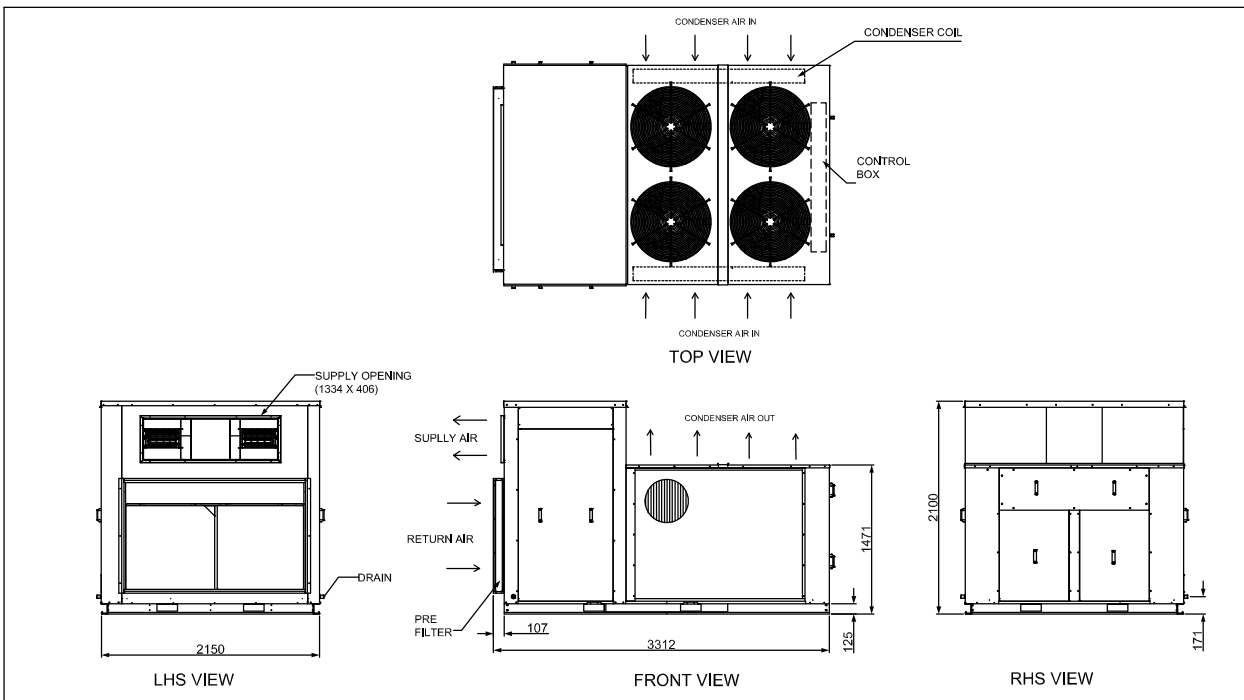


180K



GENERAL ARRANGEMENT DRAWINGS

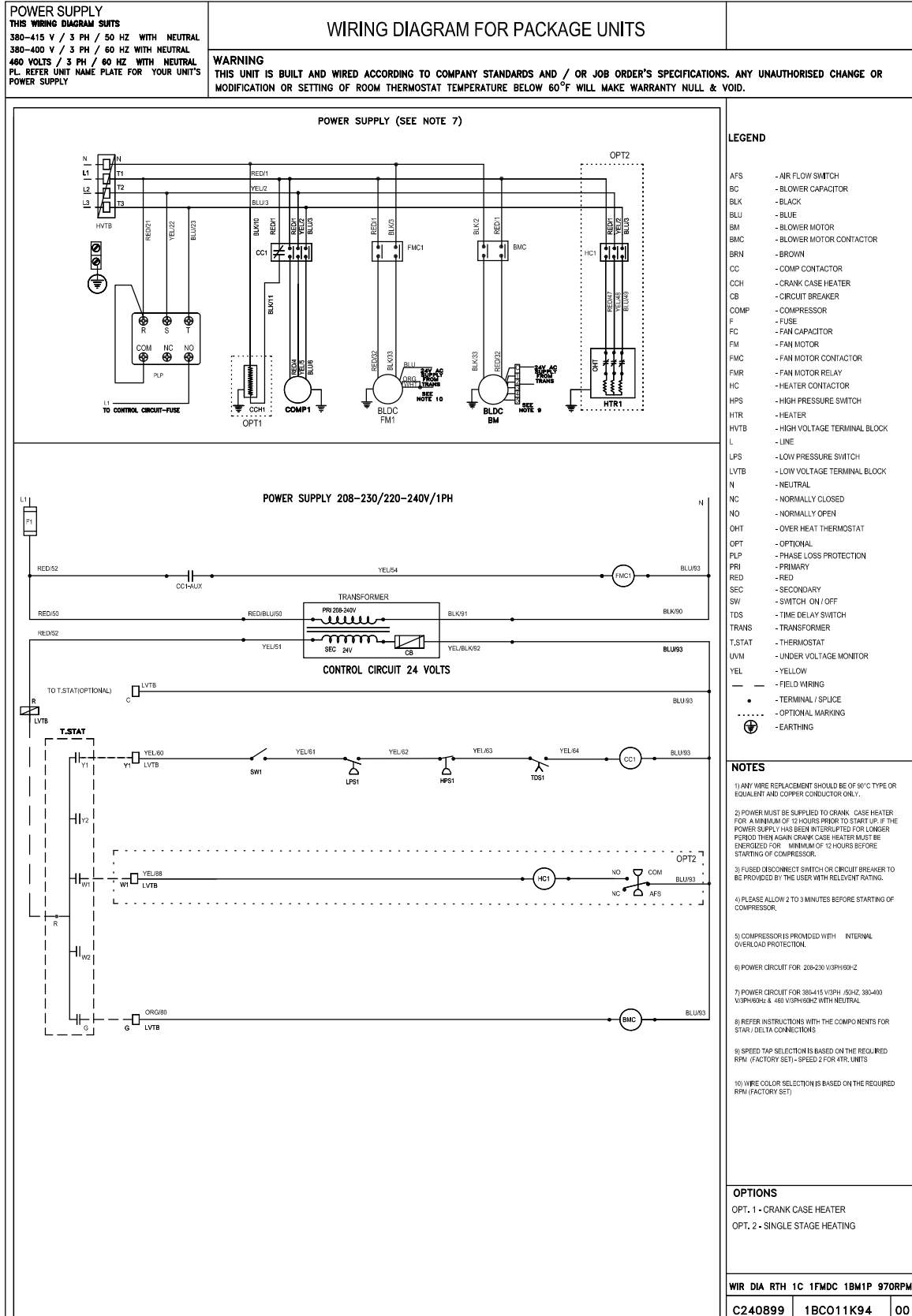
216K - 240K - 300K



HIGH EER ROOF TOP PACKAGE - R410A PRODUCT DATA BOOK

WIRING DIAGRAM

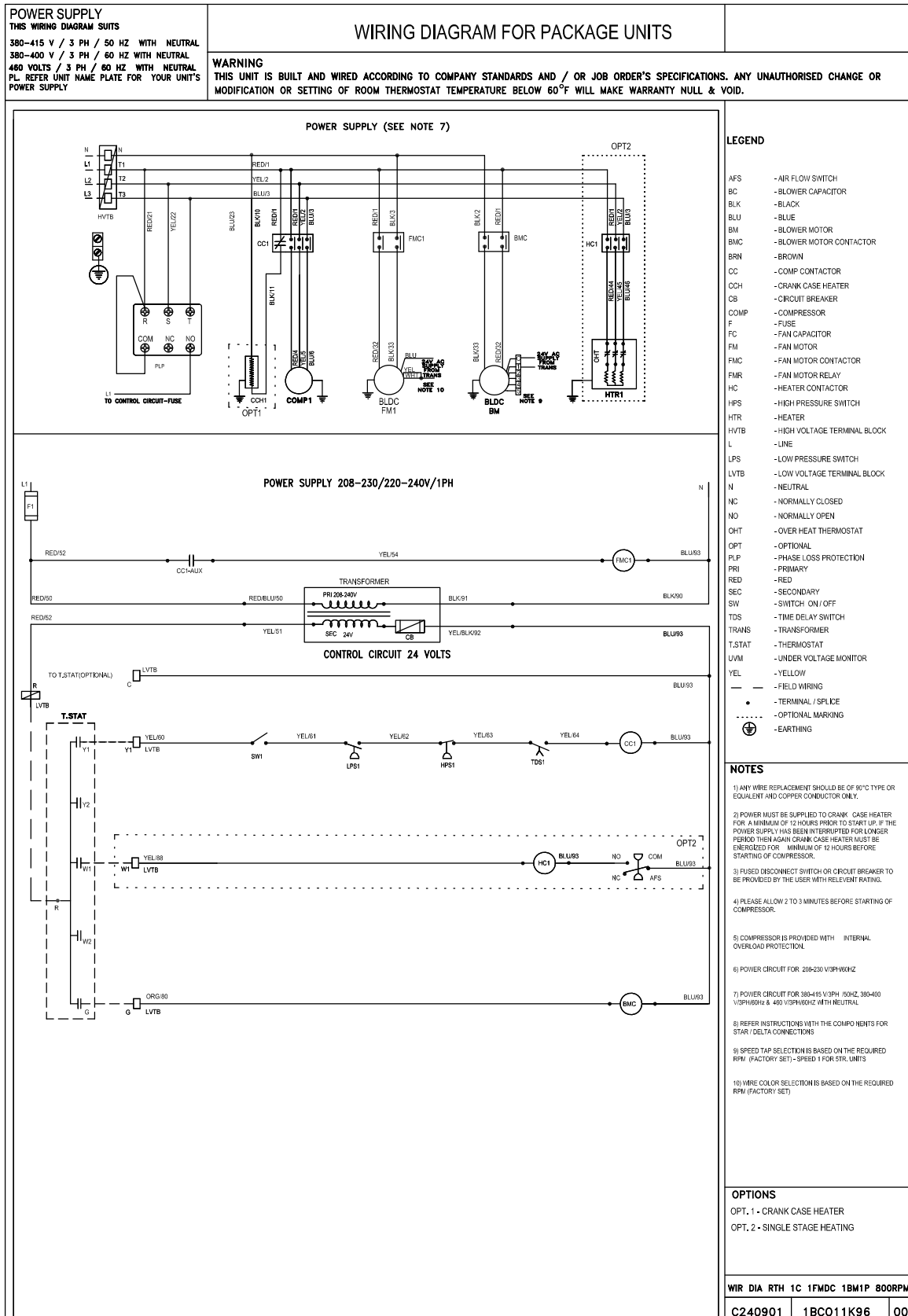
048K



HIGH EER ROOF TOP PACKAGE - R410A PRODUCT DATA BOOK

WIRING DIAGRAM

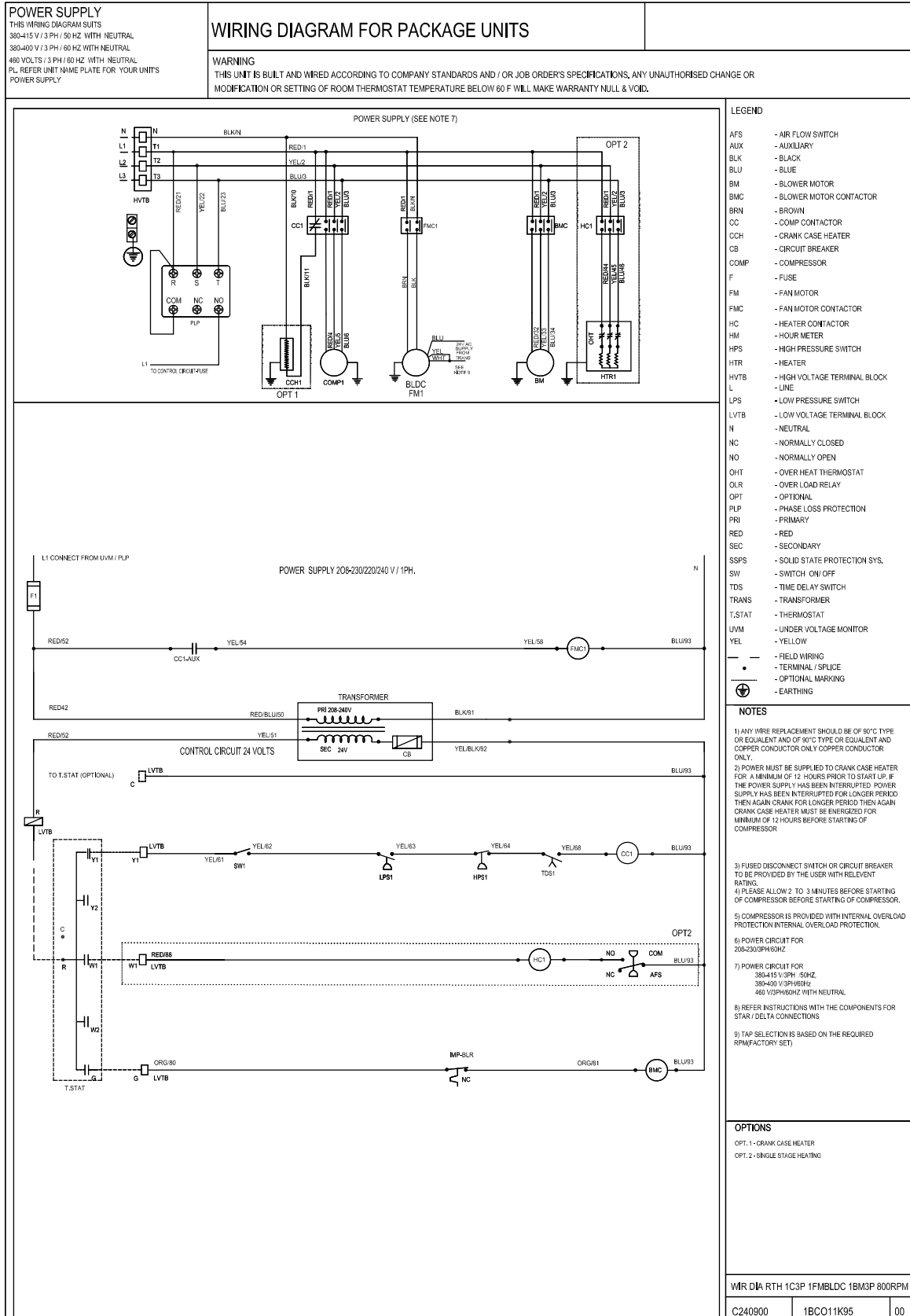
060K



HIGH EER ROOF TOP PACKAGE - R410A PRODUCT DATA BOOK

WIRING DIAGRAM

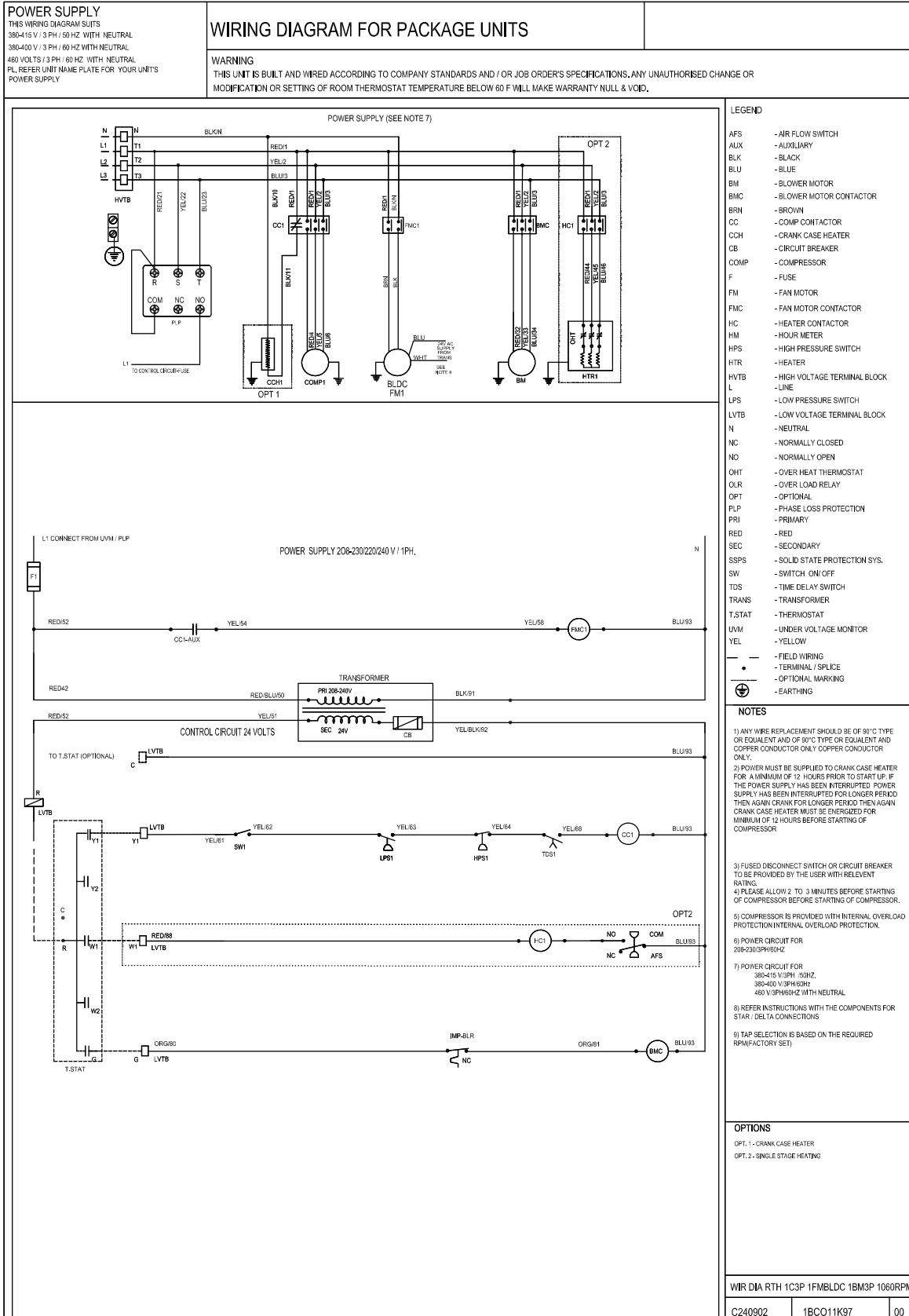
072K



HIGH EER ROOF TOP PACKAGE - R410A PRODUCT DATA BOOK

WIRING DIAGRAM

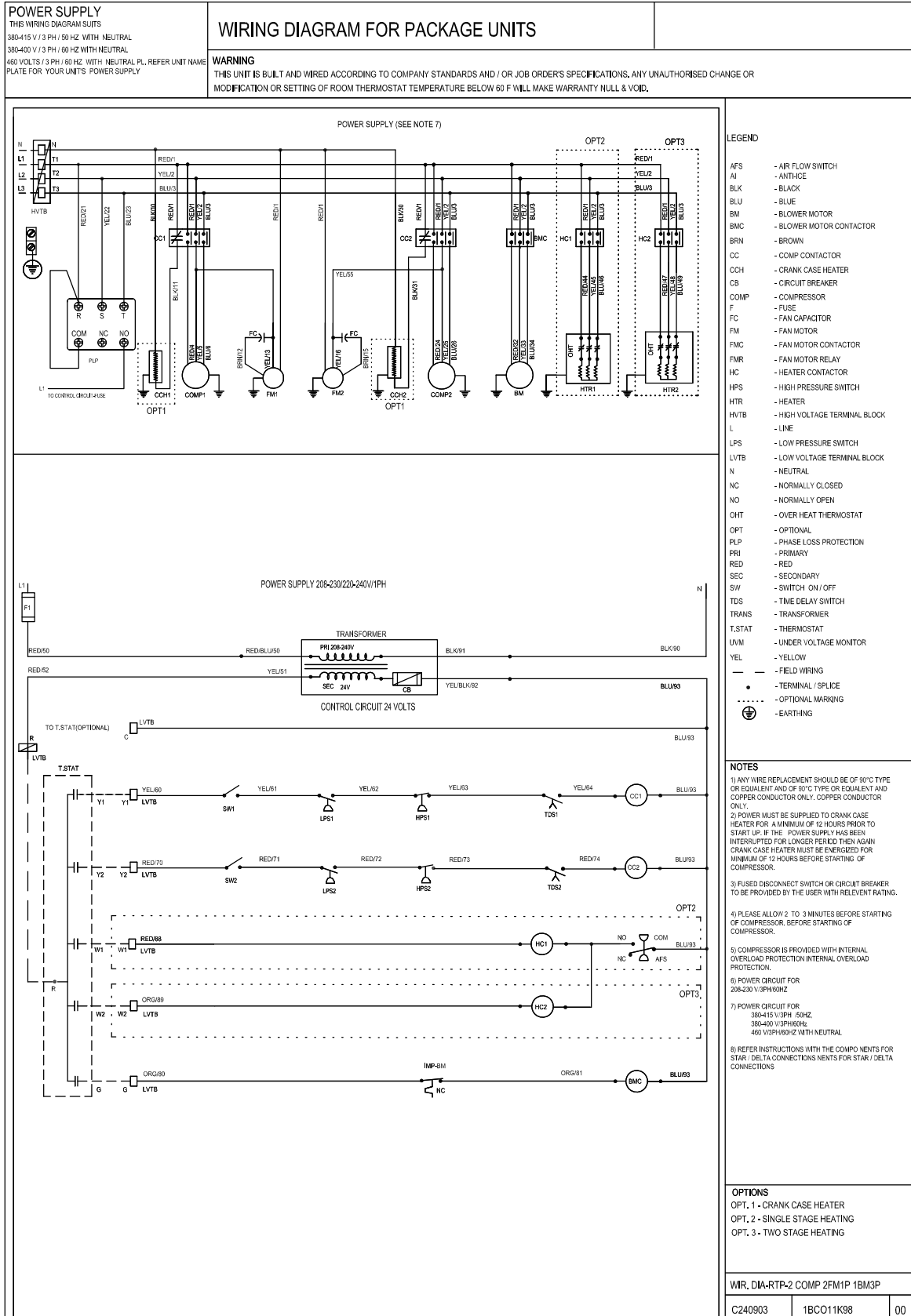
090K



HIGH EER ROOF TOP PACKAGE - R410A PRODUCT DATA BOOK

WIRING DIAGRAM

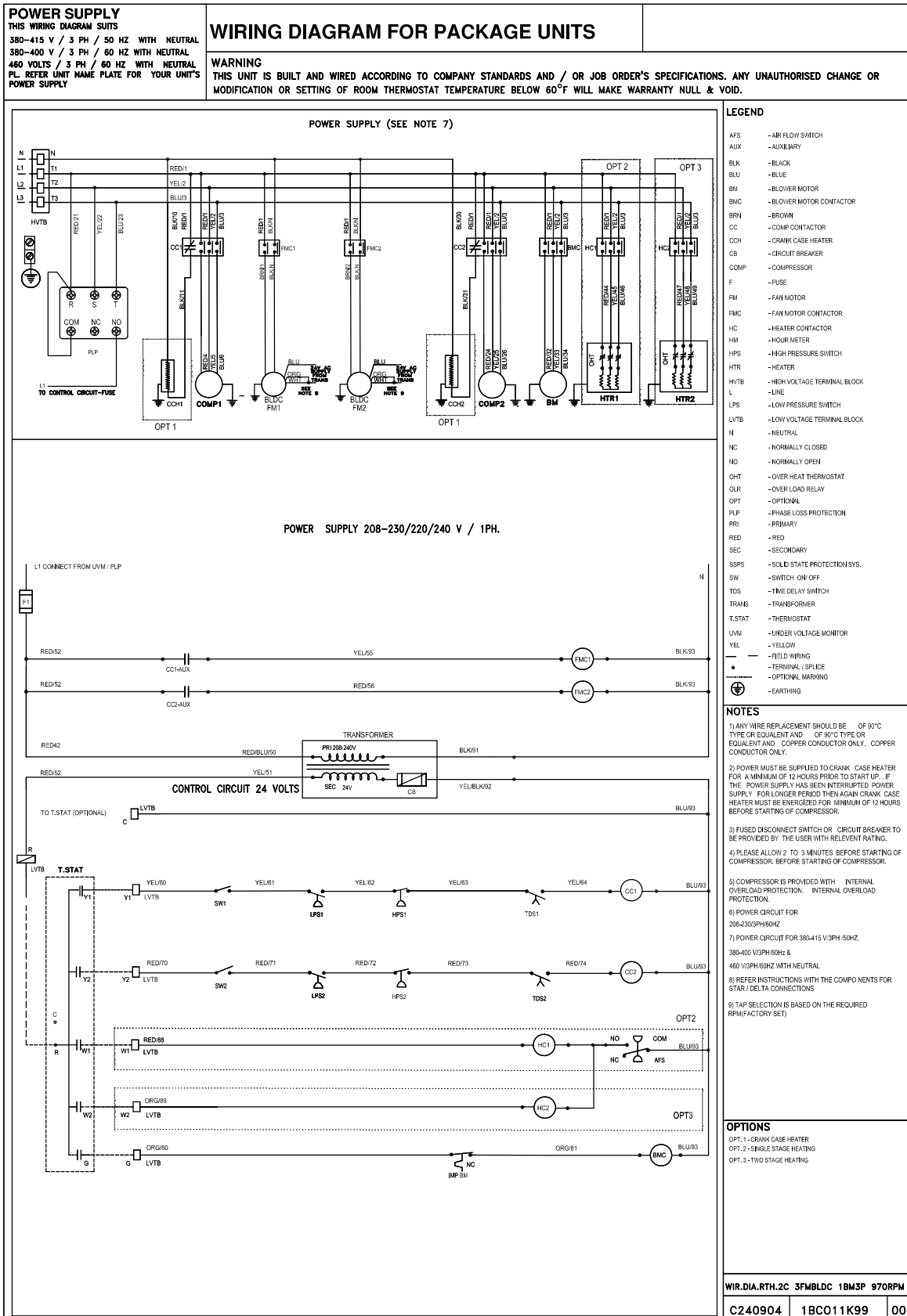
120K



HIGH EER ROOF TOP PACKAGE - R410A PRODUCT DATA BOOK

WIRING DIAGRAM

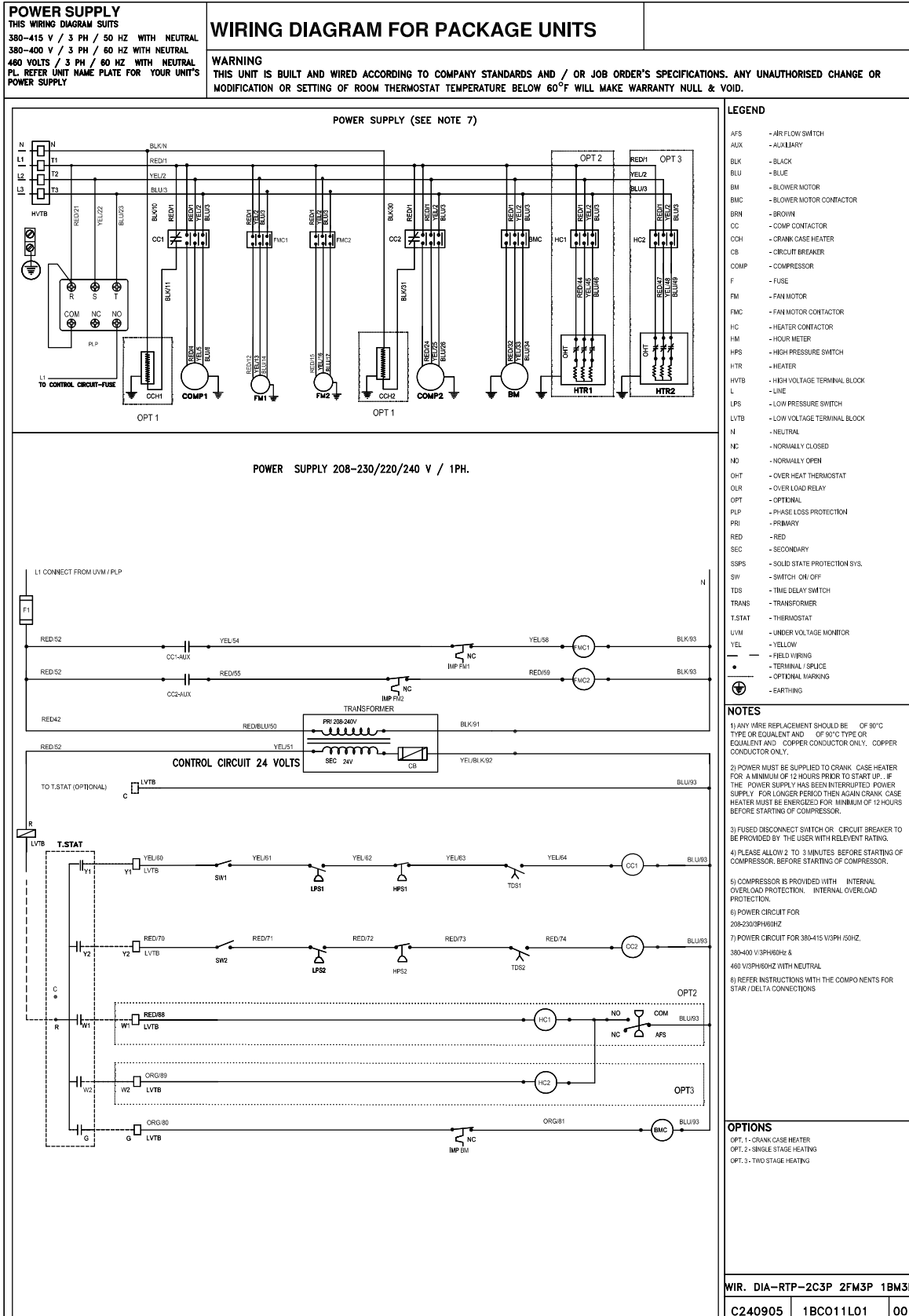
150K



HIGH EER ROOF TOP PACKAGE - R410A PRODUCT DATA BOOK

WIRING DIAGRAM

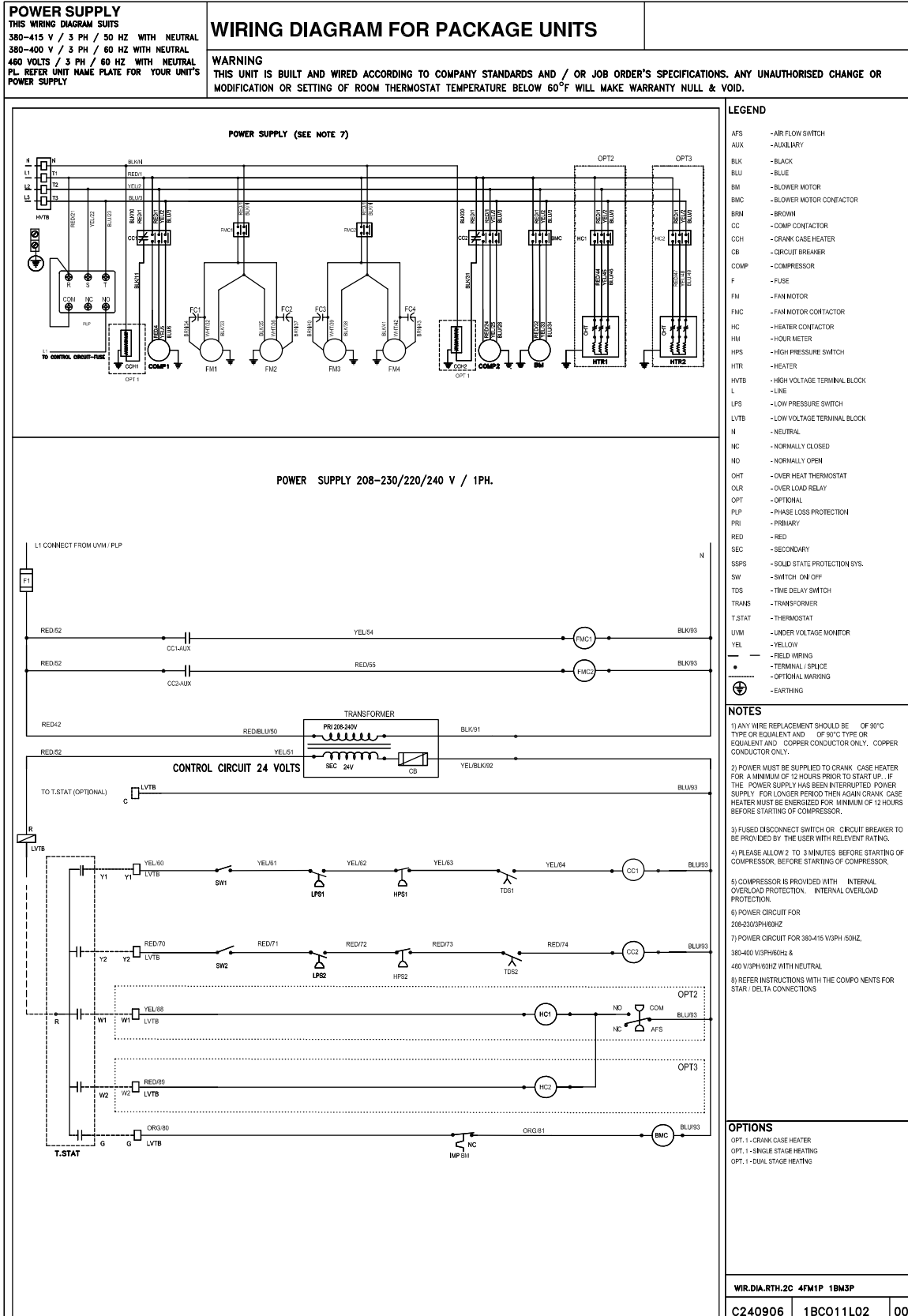
180K



HIGH EER ROOF TOP PACKAGE - R410A PRODUCT DATA BOOK

WIRING DIAGRAM

216K - 240K - 300K



AUTHORISED DISTRIBUTORS



16 St, Abdelaziz Eissa Block 35
Ninth Region, Nasr City ,Egypt
Tel. :+2 02-2473-2550
E-mail : Info@ebaircondition.com



AWAL GULF WORLDWIDE



EBA

APPROVALS QUALITY ASSURANCE



Tel: +973 1773 8333 | Fax: +973 1773 1541/1529
P.O. Box 15919, Manama, Kingdom of Bahrain
Email: export@awalgulf.com.bh | Website: www.awalgulf.com

in @ f t v awalgulfmanufacturing



8/5/2023
10/09/2020-03