

ROOF TOP PACKAGED AIR CONDITIONERS

**(CAPACITY
30 TO 90 TONS)
R407C**

PRODUCT DATA BOOK

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INTRODUCTION

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

Herein lies the reason for the Choice of only the highest quality components and design strategies to meet the most important objectives such as,

Efficiency

Reliability

Flexibility

Easy Install ability

Serviceability

Affordability

**30 TO 90 TONS CAPACITY
ROOF TOP PACKAGE UNITS**

SALIENT FEATURES

- The units are horizontal air flow type and are suitable for mounting on the roof or on the ground. All units are factory assembled, piped, internally wired and fully charged with R-407C. These units are tested in accordance with ARI standards.
- The units are available in the following voltages
380-415 V/3PH/50 HZ
- All components are mounted in a weather resistant steel cabinet. The cabinet & access panels are powder coated for lasting protection and durability. Indoor air section compartments are completely insulated with 1" Fire retardant fiberglass insulation for 30TR & 35TR & with 2" Fire retardant fiberglass insulation for 40TR to 90TR. Knockouts provided for utility and control connections. Units from 40TR to 90TR are made in profile construction.
- Air filter is a synthetic filter of 50 mm thickness
- Compressors are fully hermetic type designed for high efficiency provided with standard control and safety devices like HP & LP controls and crank case heater for scroll and reciprocating compressors.
- Evaporator and condenser coils are made of seamless Inner grooved copper tubes mechanically bonded to aluminum fins, leak tested and pressure tested to 550 psig.
- Evaporator blowers are Belt driven centrifugal type, forward curve blade design, sized to meet system air flow and static. Backward curved blowers can be given as an option
- Condenser fans are propeller type, direct drive, draw through vertical discharge with fan guard mounted to the panel.
- Thermostatic expansion valve / metering device provides precision control for maximized cooling.
- The units are completely factory wired with single point power input.
- Easy accessible control box, compressor, controls and blower compartment.
- Primary control circuit is designed to operate at 24 volts.
- All the units are provided with compressor lockout either by locking relays or by high pressure control trip with manual reset switch.
- All the units are provided with 2.5 -3 min time delay for compressor start
- Phase Loss Protection is standard for all models

OPTIONAL FEATURES

ELECTRIC HEATERS

HERESITE COATED FINS FOR CONDENSER COILS

HYDROPHILIC COATED FINS FOR EVAPORATOR COILS

COPPER FINS FOR CONDENSER AND EVAPORATOR COILS

THERMOSTAT: PROVIDES COOLING , STAGED HEATING AND FAN CONTROL

ANTIFREEZE THERMOSTATS

HOUR METER

VOLTAGE MONITOR

FAN SPEED CONTROLLER

MICRO PROCESSOR CONTROL

FAN CYCLING SWITCH

COMPRESSOR ALTERNATING SWITCH

COMPRESSOR INTERLOCK WITH BLOWER

PUMP DOWN SYSTEM

OVER LOAD THERMAL PROTECTION FOR CONDENSER MOTORS

VOLT FREE CONTACTS FOR BMS

DUAL AND ADJUSTABLE PRESSURE SWITCHES

STAINLESS STEEL DRAIN PAN

FINE / BAG FILTER

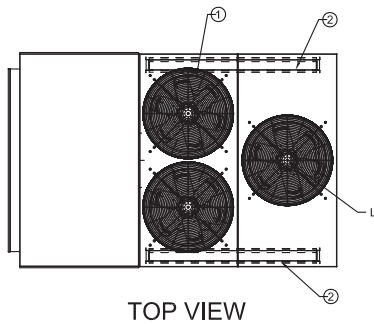
PCB

BACKWARD CURVED BLOWER

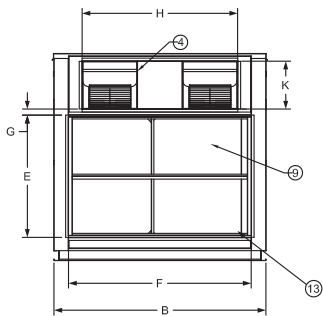
GENERAL ARRANGEMENT DRAWINGS

GENERAL ARRANGEMENT DRAWING FOR 30TR / 35TR

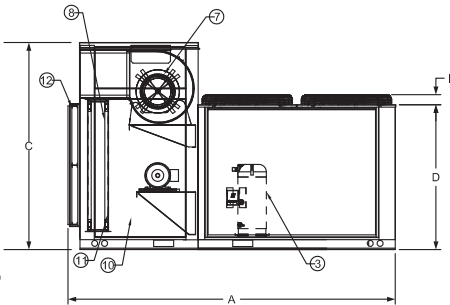
S.NO	LEGENDS
1	COND FAN . MOTOR & GRILL
2	CONDENSOR COIL
3	COMPRESSOR
4	SUPPLY AIR OPENING
5	CONTROL PANEL ACCESS
6	COMPRESSOR ACCESS
7	SUPPLY AIR BLOWER & MOTOR
8	EVAPORATOR COIL
9	PRE FILTER
10	BLOWER ACCESS
11	COIL ACCESS
12	FILTER ACCESS
13	RETURN AIR OPENING



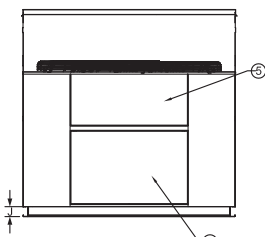
UNIT DIMENSIONS (mm)	
A	3325
B	2150
C	2100
D	1469
E	1240
F	1850
G	62
H	1580
I	106
J	100
K	485
L	3 FAN - 30 \" DIA



LHS VIEW



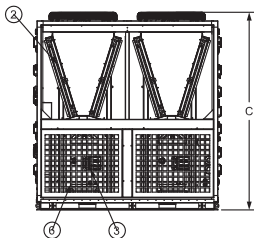
FRONT VIEW



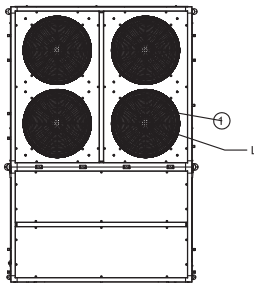
RHS VIEW

GENERAL ARRANGEMENT DRAWING FOR 40TR / 45TR / 50TR

S.NO	LEGENDS
1	COND FAN . MOTOR & GRILL
2	CONDENSOR COIL
3	COMPRESSOR
4	SUPPLY AIR OPENING
5	CONTROL PANEL ACCESS
6	COMPRESSOR ACCESS
7	SUPPLY AIR BLOWER & MOTOR
8	EVAPORATOR COIL
9	PRE FILTER
10	BLOWER ACCESS
11	COIL ACCESS
12	FILTER ACCESS
13	RETURN AIR OPENING

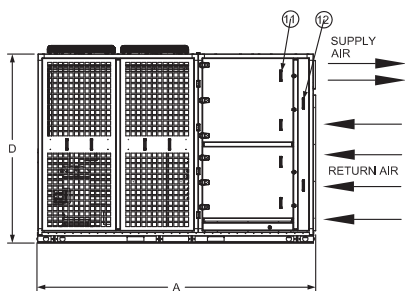


BACK VIEW

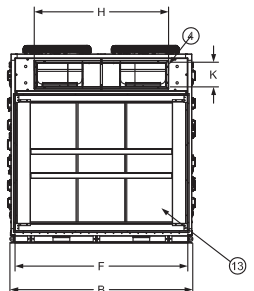


TOP VIEW

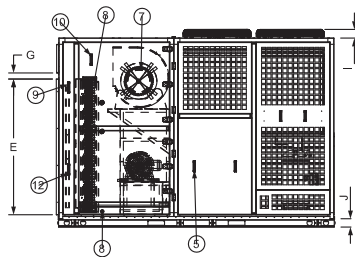
UNIT DIMENSIONS (mm)	
A	3350
B	2200
C	2406
D	2300
E	1653
F	2104
G	74
H	1636
I	106
J	100
K	347
L	4 FAN - 30 \" DIA



LHS VIEW



FRONT VIEW



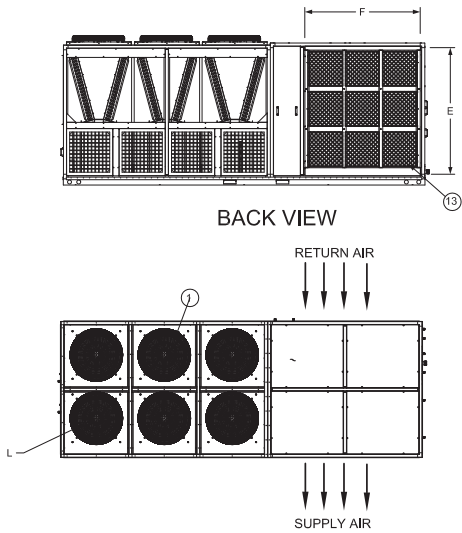
RHS VIEW

LAYOUT IS SUBJECT TO CHANGE WITHOUT NOTICE.

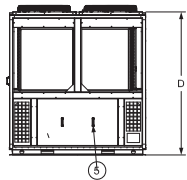
GENERAL ARRANGEMENT DRAWINGS

GENERAL ARRANGEMENT DRAWING FOR 60TR / 70TR

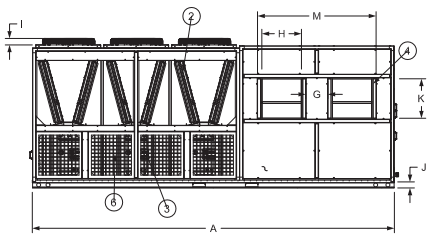
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1	COND FAN , MOTOR & GRILL
2	CONDENSOR COIL
3	COMPRESSOR
4	SUPPLY AIR OPENING
5	CONTROL PANEL ACCESS
6	COMPRESSOR ACCESS
7	SUPPLY AIR BLOWER & MOTOR
8	EVAPORATOR COIL
9	PRE FILTER
10	BLOWER ACCESS
11	COIL ACCESS
12	FILTER ACCESS
13	RETURN AIR OPENING



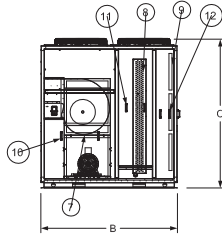
UNIT DIMENSIONS (mm)	
A	5862
B	2212
C	2410
D	2318
E	2050
F	1868
G	358
H	642
I	106
J	100
K	638
L	6 FAN - 30 ° DIA
M	1920



LHS VIEW



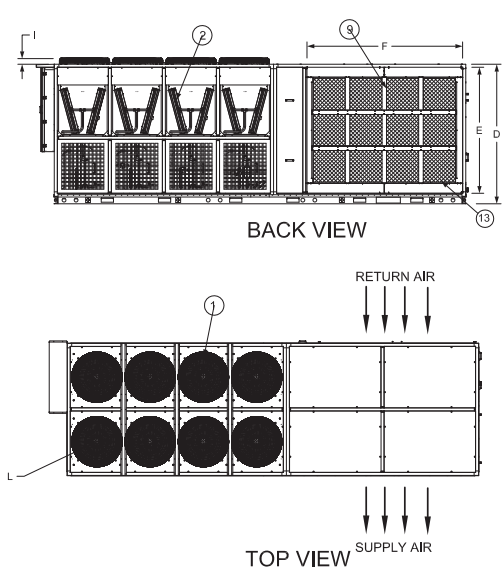
FRONT VIEW



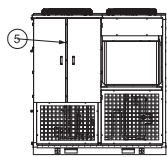
RHS VIEW

GENERAL ARRANGEMENT DRAWING FOR 80TR / 90TR

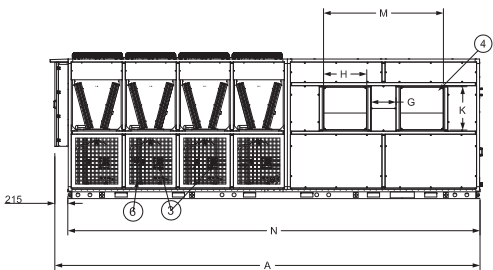
S.NO	LEGENDS
1	COND FAN , MOTOR & GRILL
2	CONDENSOR COIL
3	COMPRESSOR
4	SUPPLY AIR OPENING
5	CONTROL PANEL ACCESS
6	COMPRESSOR ACCESS
7	SUPPLY AIR BLOWER & MOTOR
8	EVAPORATOR COIL
9	PRE FILTER
10	BLOWER ACCESS
11	COIL ACCESS
12	FILTER ACCESS
13	RETURN AIR OPENING



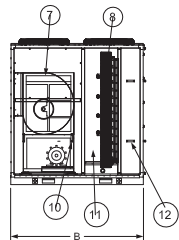
UNIT DIMENSIONS (mm)	
A	7880
B	2214
C	2419
D	2325
E	2100
F	2592
G	538
H	720
I	94
J	100
K	720
L	8 FAN - 30 ° DIA
M	1998
N	7665



LHS VIEW



FRONT VIEW



RHS VIEW

LAYOUT IS SUBJECT TO CHANGE WITHOUT NOTICE.

ENGINEERING SPECIFICATIONS - R407C

Engineering Specifications High EER Roof Top Package units												
Description		Unit of measurement	UNIT MODEL									
			3RTH360GC2	3RTH420GC2	3RTH480GC2	3RTH540GC2	3RTH600GC2	3RTH720GC3	3RTH840GC3	3RTH960GC4	3RTH1080GC4	
Nominal Cooling Capacity @ 35°C (T1)		Btu/Hr	342,449	401,745	491,656	558,534	615,047	738,114	857,517	950,964	1,034,050	
Power Consumption @ T1		Watts	35,154	41,492	49,346	56,140	61,548	73,736	85,405	99,376	106,912	
EER @ T1			10	10	10	10	10	10	10	10	10	
Cooling Capacity @ 46° (T3) *		Btu/Hr	316,800	359,618	433,717	490,529	526,913	647,966	754,184	858,051	931,719	
Power consumption @ 46° (T3) *		Watts	42,240	47,949	57,829	65,404	70,255	86,396	100,558	119,174	129,405	
Power consumption /Ton @ 46° (T3)		Kwatts/Tr.	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.67	1.67	
Air Flow (Evaporator)		CFM	12,000	13,000	14,000	16,000	18,000	21,000	25,200	29,000	32,400	
External static pressure		Inch H2O g	1.0"	1.4"	1.4"	1.4"	1.6"	1.6"	1.6"	1.6"	1.6"	
Refrigerant Type			R407C									
Evaporator	Blower	Type	Centrifugal									
		Drive	Belt Drive									
		Dia x width	18" x 18" - Twin	18" x 18" - Twin	18" x 18" - Twin	18" x 18" - Twin	18" x 18" - Twin	20" x 20" - Twin	20" x 20" - Twin	20" x 20" - Twin	20" x 20" - Twin	
		Qty	1	1	1	1	1	1	1	1	1	
	Blower Motor	Power Supply	V/Ph/Hz									
		HP	10.00	10.00	15.00	15.00	15.00	20.00	20.00	25.00	25.00	
	Air filter Type		380-415V/3Ph/50 Hz									
			Synthetic Filter									
	Evaporator Coil	Face Area	Sq.ft	25.22	25.22	30.46	30.46	30.46	38.41	38.41	52.39	52.39
		Tube Dia / no of row/ FPI	1/2" / 3 / 12	1/2" / 4 / 12	1/2" / 4 / 12	1/2" / 4 / 12	1/2" / 4 / 12	1/2" / 4 / 12	1/2" / 4 / 14	1/2" / 5 / 14	1/2" / 4 / 12	1/2" / 5 / 12
Material Tubes - Fins			CU-AL									
Type			TEX VALVE									
Expansion valve	Qty	2	2	2	2	2	2	3	3	4	4	
	Supply air Opening size	W X H	1580 x 485	1580 x 485	1636 x 347	1636 x 347	1636 x 347	642 x 638	642 x 638	864 x 720	864 x 720	
	Return air Opening size	W X H	1850 x 1240	1850 x 1240	1653 x 2104	1653 x 2104	1653 x 2104	2050 x 1686	2050 x 1686	2721 x 2205	2721 x 2205	
		Power Supply	V/Ph/Hz	380-415V/3Ph/50 Hz								
Compressor	Type		SCROLL									
	Quantity	2	2	2	2	2	2	3	3	4	4	
	Protection		Internal									
	Crankcase heater	Qty x Watts	2 x 90	2 x 90	2 x 90	2 x 90	2 x 90	3 x 90	3 x 90	4 x 90	4 x 90	
Condenser Fan	Type		Propeller / Direct driven									
	Qty	3	3	4	4	4	4	6	6	8	8	
	Dia of Fan	30"	30"	30"	30"	30"	30"	30"	30"	30"	30"	
	Type of coil		Corrugated al fin with Inner grooved copper coil									
Condenser Coil	Face Area	Sq.ft	46.50	46.50	78.70	78.70	78.70	124.00	124.00	165.34	165.34	
	Tube Dia / no of row/ FPI	3/8" / 3 / 14	3/8" / 3 / 14	3/8" / 3 / 14	3/8" / 3 / 14	3/8" / 4 / 14	3/8" / 4 / 14	3/8" / 3 / 14	3/8" / 4 / 14	3/8" / 3 / 14	3/8" / 4 / 14	
	Power Supply	V/Ph/Hz	380-415V/3Ph/50 Hz									
Condensar Fan Motor	HP	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	
	Qty	3	3	4	4	4	4	6	6	8	8	
	Length		3325	3325	3350	3350	3350	5862	5862	7880	7880	
Dimensions	Width	mm	2150	2150	2200	2200	2200	2212	2212	2214	2214	
	Height		2100	2100	2406	2406	2406	2410	2410	2419	2419	
	Unit Weight	Kg	3016	3100	3336	3363	3380	4486	4520	7156	7200	
Note:	As a result of continuous reasearch& development, the above specifications are subject to change without notice, need to contact our sales team time to time											
	*Cooling Capacity & Power Consumption / Ton are rated as per ESMA T3 condition											

UNIT SPECIFICATIONS

ELECTRICAL DATA FOR 30TR- 90TR-50HZ UNITS

380/415V-3PH-50HZ ("G" VOLTAGE) POWER SUPPLY - R407C

MODEL	V/PH/Hz	Operating Voltage		Compressor				Condenser Motor			BLOWER MOTOR		HEATER		MCA (COOL)	MCA (HEATE	MOCP (COOL)	MOCP (HEATE
		MIN	MAX	TYPY	RLA	LRA	QTY	HP	AMPS	QTY	HP	AMPS	KW	AMPS	AMPS	AMPS	AMPS	AMPS
3RTH360GC2	380-415/3/50	342	456	SCR	26.0	174	1	1 1/2	3.0	3	10	14.5	30	43.5	87	69.0	115	85
					29.3	225	1											
3RTH420GC2	380-415/3/50	342	456	SCR	29.3	225	2	1 1/2	3.0	3	10	14.5	30	43.5	90	69.0	120	85
3RTH480GC2	380-415/3/50	342	456	SCR	37.0	272	2	1 1/2	3.0	4	15	22.0	40	60.8	118	98.0	155	120
3RTH540GC2	380-415/3/50	342	456	SCR	37.0	272	1	1 1/2	3.0	4	15	22.0	40	60.8	128	98.0	170	120
					45.0	310	1											
3RTH600GC2	380-415/3/50	342	456	SCR	45.0	310	2	1 1/2	3.0	4	15	22.0	50	76.0	135	117.0	180	140
3RTH720GC3	380-415/3/50	342	456	SCR	37.0	272	3	1 1/2	3.0	6	20	30.0	50	76.0	170	125.0	205	155
3RTH840GC3	380-415/3/50	342	456	SCR	37.0	272	1	1 1/2	3.0	6	20	30.0	50	76.0	187	125.0	230	155
					45.0	310	2											
3RTH960GC4	380-415/3/50	342	456	SCR	37.0	272	4	1 1/2	3.0	8	25	38.3	60	91.2	220	153.0	255	190
3RTH1080GC4	380-415/3/50	342	456	SCR	37.0	272	2	1 1/2	3.0	8	25	38.3	60	91.2	238	153.0	280	190
					45.0	310	2											

NOTE:
SCR - Scroll Compressor, RLA - Running Load Amps, LRA - Locked Rotor Amps, FLA - Full Load Amps, MCA - Minimum Circuit Amps
MOCP - Maximum Over Current Protection

UNIT SPECIFICATIONS

COOLING PERFORMANCE DATA - R407C

Model	Evaporator CFM	Dry Bulb Temp. F	Wet Bulb Temp. F	85.00			95.00			105.00			115.00			120.00			125.00		
				Capacity Btuh	Sensible capacity Btuh	Power Input Watt	Capacity Btuh	Sensible capacity Btuh	Power Input Watt	Capacity Btuh	Sensible capacity Btuh	Power Input Watt	Capacity Btuh	Sensible capacity Btuh	Power Input Watt	Capacity Btuh	Sensible capacity Btuh	Power Input Watt	Capacity Btuh	Sensible capacity Btuh	Power Input Watt
3RTH360GC2	8500	84.2	66.2	348953	232664	32426	331977	226184	34848	313573	219704	37901	297066	213225	41447	288343	211605	43377	279331	208365	45415
		76	63	315952	195104	31579	300501	193595	33909	270943	182255	36397	256461	177395	39770	248769	174155	41611	240800	170915	43558
		78		325283	210163	31821	309404	205881	34177	279134	198027	36690	264267	191547	40097	256378	189927	41955	248209	186687	43921
		80		330929	224239	31967	314790	219856	34339	284090	212178	36867	268988	205699	40294	260979	204079	42163	252690	200839	44139
		82		332677	237251	32012	316456	232836	34389	285622	224710	36922	270447	219850	40355	262402	216611	42227	254074	213371	44207
		76	65	325346	184483	31822	309462	178003	34179	287279	169903	36979	272027	165043	40419	263942	161803	42294	255574	158563	44277
		78		327383	197014	31875	311404	190535	34237	289100	182435	37044	273761	177575	40491	265632	174335	42371	257220	172715	44357
		80		336893	212786	32119	320476	206306	34508	297611	198207	37344	281867	193347	40826	273532	190107	42723	264912	186867	44728
		82		338820	226938	32169	322313	220458	34563	299334	212358	37405	283508	205879	40894	275131	202639	42794	266468	201019	44803
		76	67	327186	158795	31870	311215	152583	34232	297205	149477	37329	281481	143266	40809	273155	141713	42705	264545	138607	44709
		78		336697	181170	32114	320289	174699	34502	305882	169946	37633	289744	164993	41147	281208	161757	43061	272385	160140	45083
		80		338861	193955	32170	322351	189095	34564	307853	184235	37702	291621	177755	41224	283037	176135	43142	274165	172895	45169
		82		345196	209726	32331	331583	204866	34836	316680	200007	38008	300025	193527	41566	291226	190287	43502	282138	188667	45547
		76	69	336155	130879	32096	319773	126640	34482	313991	123814	37908	297469	119575	41454	288737	118163	43385	279717	115337	45423
		78		338557	147131	32158	322062	142733	34550	316222	141267	37986	299592	136869	41541	290807	133938	43476	281732	131006	45519
		80		348053	167739	32403	331118	163169	34822	325041	161645	38295	307985	155552	41885	298983	154028	43839	289689	150981	45901
		82		350346	188495	32461	333303	182151	34887	327170	180565	38368	310011	175806	41967	300957	172634	43925	291611	169462	45992
	12000	84.2	66.2	368576	276181	32918	353828	271681	35484	334302	264931	38613	316800	258182	42240	307571	255932	44212	298050	253682	46293
		76	63	334531	232713	32058	318222	225964	34440	287248	216964	36979	271997	210214	40418	263913	207964	42293	255546	205714	44276
		78		340572	251650	32213	323984	244901	34611	292550	233651	37166	277047	229151	40627	268834	226901	42514	260337	222401	44508
		80		347024	270588	32377	330137	263838	34793	298212	252588	37366	282439	248088	40850	274089	245838	42748	265454	241338	44754
		82		353083	289525	32530	335916	282775	34963	303530	271525	37552	287504	267025	41058	279024	262525	42967	270259	260275	44984
		76	65	339163	211776	32177	322639	205027	34571	299641	198277	37415	283800	193777	40904	275416	191527	42805	266746	187027	44814
		78		345653	230713	32342	328828	223964	34755	305446	217214	37618	289329	212714	41131	280803	208214	43044	271991	205964	45065
		80		351878	249650	32499	334765	242901	34929	311015	236151	37812	294631	229401	41347	285970	227151	43272	277021	224901	45305
		82		358445	268588	32665	341027	261838	35113	316888	255088	38016	300223	248338	41574	291419	246088	43511	282325	243838	45556
		76	67	346867	182941	32372	329987	178627	34788	315155	174314	37954	298573	170000	41506	289812	165686	43439	280762	163529	45480
		78		350137	209484	32455	333104	202744	34880	318134	198250	38058	301409	193756	41621	292575	191510	43560	283451	189263	45608
		80		359935	228713	32702	342449	224214	35154	327066	217464	38365	309912	212964	41963	300860	210714	43921	291517	208464	45987
		82		363145	245401	32782	345507	240901	35243	329989	236401	38465	312694	229651	42076	303571	227401	44039	294156	225151	46111
		76	69	347848	148186	32397	330920	144261	34816	324849	142298	38288	307803	138374	41878	298805	134449	43830	289517	132487	45892
		78		357647	170884	32644	337136	166776	34999	330903	164776	38495	313565	158668	42109	304420	156632	44074	294982	154596	46148
		80		361035	193285	32729	343495	189053	35185	337096	186937	38707	319459	182706	42345	310163	180590	44322	300573	178474	46409
		82		370995	221980	32978	352993	215371	35460	346343	213169	39020	328261	208763	42694	318738	206560	44690	308920	204357	46796
	13000	84.2	66.2	373396	282444	33037	355282	277584	35527	335681	272724	38660	318112	265434	42293	308850	263004	44268	299294	260574	46352
		76	63	338682	239626	32164	322181	232336	34558	290891	222617	37107	275467	217757	40562	267294	212897	42445	258838	210467	44435
		78		348435	259399	32412	331484	254539	34832	299452	242389	37409	283621	237530	40898	275240	235100	42799	266575	230240	44807
		80		351741	279172	32496	334634	271882	34926	302351	259732	37511	286381	254873	41012	277930	252443	42918	269194	250013	44933
		82		358466	298945	32665	341048	291655	35113	308253	279505	37717	292001	274645	41241	283407	272215	43160	274526	267356	45188
		76	65	346307	217693	32358	329454	212833	34773	306033	205544	37638	289888	200684	41153	281348	195824	43067	272522	193394	45090
		78		349779	237466	32446	332763	230176	34870	309137	222887	37747	292843	218027	41274	284228	215597	43195	275325	213167	45224
		80		359718	257239	32696	342242	252379	35148	318029	242659	38055	301308	237800	41618	292477	235370	43557	283356	232940	45604
		82		363147	274582	32782	345510	269722	35243	321093	262432	38161	304226	255143	41736	295319	252713	43681	286122	250283	45735
		76	67	347293	187658	32383	330391	183000	34800	315540	178341	37968	298940	173682	41521	290170	171353	43455	281110	166694	45497
		78		353996	215233	32553	336784	207953	34988	321652	203100	38179	304758	198247	41756	295838	195821	43703	286628	193394	45758
		80		360824	232876	32724	343294	228016	35179	327874	223157	38393	310681	218297	41995	301610	215867	43954	292246	213437	46022
		82		370939	255079	32976	352940	247789	35459	337093	242929	38707	319456	238070	42345	310159	235640	44323	300569	233210	46410
		76	69	351110	151609	32480	334031	147370	34907	327879	145251	38392	310687	141012	41993	301616	138893	43952	292253	136774	46020
		78		357950	175192	32652	340552	170794	35099	334230	168595	38609	316732	164198	42236	307506	161999	44208	297986	159800	46289
		80		364839	198380	32824	347122	195809	35290	340627	193809	38827	322821	186953	42478	313438	184668	44463	303761	182383	46557
		82		371770	225900	32997	353730	221141	35482	347060	218762	39044	328943	214004	42721	319403	211624	44719	309567	209245	46826

UNIT SPECIFICATIONS

COOLING PERFORMANCE DATA - R407C

Model	Evaporator CFM	Dry Bulb Temp. F	Wet Bulb Temp. F	85.00			95.00			105.00			115.00			120.00			125.00		
				Capacity Btuh	Sensible capacity Btuh	Power Input Watt	Capacity Btuh	Sensible capacity Btuh	Power Input Watt	Capacity Btuh	Sensible capacity Btuh	Power Input Watt	Capacity Btuh	Sensible capacity Btuh	Power Input Watt	Capacity Btuh	Sensible capacity Btuh	Power Input Watt	Capacity Btuh	Sensible capacity Btuh	Power Input Watt
3RTH420GC2	9500	84.2	66.2	411997	265375	37799	389132	259309	41038	367005	253242	45015	338041	229308	46990	328807	227432	49346	313470	223680	51834
		76	63	373517	223229	36773	352913	217162	39853	317751	207051	43042	291071	188332	44890	282112	184580	47135	271202	182704	49513
		78		380176	241481	36955	359159	235414	40063	323422	225303	43277	296281	203389	45140	287154	201513	47397	276065	199637	49789
		80		386857	259732	37136	365423	253666	40272	329104	243555	43511	301482	220321	45388	292205	218445	47658	280954	214693	50063
		82		393558	277984	37316	371703	271917	40479	334816	259784	43743	308400	237253	45636	297281	233501	47919	285833	230786	50336
		76	65	379790	203180	36941	358888	197113	40047	332748	189024	43647	304816	171608	45533	295448	169732	47811	284069	167856	50223
		78		386608	221431	37127	365283	215365	40261	338683	207276	43889	311974	188541	45791	300722	186665	48082	289175	182913	50507
		80		393449	239683	37311	371697	233616	40473	344631	225528	44130	317445	205473	46047	306025	201721	48352	294272	199845	50791
		82		400312	257935	37493	378128	251868	40684	350592	243779	44370	322943	220530	46302	311318	218653	48621	299378	216777	51073
		76	67	385725	175551	37099	364543	169735	40229	347865	165858	44248	320457	148474	46173	308925	146676	48485	297075	144877	50930
		78		392706	199082	37288	371082	195043	40447	354070	191005	44498	326163	171577	46439	314436	169704	48765	302391	167831	51224
		80		399699	217612	37474	377641	213567	40662	360309	207501	44746	331881	188749	46703	322809	186873	49044	307737	183121	51517
		82		406716	235863	37660	384231	229797	40877	366544	225752	44992	337611	205682	46966	328408	201930	49321	313075	200054	51808
		76	69	391596	140473	37247	370129	136945	40400	363380	135181	44846	334733	122137	46810	325599	120501	49156	310398	118865	51634
		78		398411	162261	37437	376520	158601	40619	369578	156771	45101	340424	142044	47082	331157	138648	49443	315714	136951	51936
		80		405552	185795	37627	383217	181992	40839	376077	180090	45355	348316	161779	47354	336972	160015	49730	321277	158251	52238
		82		412718	211309	37815	389947	205369	41056	382609	203389	45609	354331	185013	47625	342801	183176	50015	333042	179502	52538
	1300	84.2	66.2	438295	315923	38570	413970	308701	41875	390431	301479	45933	359618	272986	47949	349794	270753	50353	333479	266286	52892
		76	63	397358	265749	37523	375439	258526	40667	338033	246490	43920	309650	224205	45807	300120	219738	48096	288513	217505	50524
		78		404442	287477	37709	382084	280255	40881	344066	268218	44160	315193	242129	46061	305483	239896	48364	293686	237663	50805
		80		411550	309205	37894	388748	301983	41094	350111	289946	44399	320726	262287	46315	310856	260054	48631	298887	255587	51084
		82		418679	330933	38077	395429	323711	41305	356188	309267	44636	328085	282445	46567	316256	277978	48897	304077	274745	51363
		76	65	404032	241881	37695	381796	234658	40865	353987	225029	44538	324272	204296	46462	314306	202062	48787	302201	199829	51248
		78		411285	263609	37884	388599	256387	41083	360301	246757	44785	331887	224453	46725	319917	222220	49063	307633	217753	51538
		80		418563	285337	38072	395422	278115	41299	366629	268485	45031	337707	244611	46987	325558	240144	49339	313055	237911	51827
		82		425863	307065	38258	402263	299843	41514	372970	290213	45275	343557	262535	47247	331190	260302	49614	318487	258068	52115
		76	67	410346	208989	37856	387812	202066	41050	370069	197451	45151	340912	176755	47115	328644	174614	49474	316038	172473	51969
		78		417772	237002	38049	394769	232194	41272	376670	227386	45406	346981	204259	47387	334507	202029	49760	321693	199798	52269
		80		425212	259061	38239	401745	254247	41492	383308	247025	45659	353065	224702	47656	343414	222468	50044	327380	218001	52568
		82		432677	280790	38428	408756	273568	41711	389941	268753	45911	359160	244859	47925	349370	240392	50327	333059	238159	52865
		76	69	416591	167229	38007	393754	163030	41224	386574	160930	45761	356099	145402	47765	346381	143454	50159	330211	141506	52688
		78		423842	193168	38201	400554	188811	41448	393168	186632	46021	362153	169100	48043	352295	165058	50452	335866	163037	52996
		80		431439	221185	38395	407678	216657	41672	400081	214393	46281	370549	192595	48320	358481	190494	50745	341784	188394	53304
		82		439062	251558	38587	414838	244486	41894	407031	242129	46540	376948	220253	48597	364682	218067	51036	354300	213693	53610
	14000	84.2	66.2	476730	353834	41952	450272	345745	45547	424669	337656	49961	391154	305744	52154	380468	303243	54769	362723	298240	57531
		76	63	432204	297638	40814	408362	289550	44233	367676	276068	47772	336803	251110	49823	326438	246107	52314	313813	243606	54954
		78		439909	321974	41016	415590	313885	44466	374238	300404	48033	342833	271185	50100	332272	268684	52605	319440	266182	55260
		80		447640	346310	41217	422839	338221	44697	380813	324739	48292	348851	293761	50376	338116	291260	52896	325097	286257	55564
		82		455394	370645	41416	430105	362556	44927	387422	346379	48550	356856	316338	50650	343989	311335	53184	330742	307715	55867
		76	65	439462	270906	41001	415276	262817	44448	385029	252032	48443	352708	228811	50537	341869	226310	53065	328702	223809	55742
		78		447351	295242	41207	422676	287153	44685	391897	276368	48712	360991	251388	50823	347971	248886	53366	334610	243884	56058
		80		455267	319577	41411	430098	311489	44921	398780	300703	48980	367321	273964	51107	354107	268962	53666	340508	266460	56372
		82		463208	343913	41613	437539	335824	45155	405677	325039	49246	373684	294039	51391	360232	291538	53964	346416	289037	56686
		76	67	446330	234068	41176	421820	226314	44650	402521	221145	49111	370807	197966	51247	357464	195568	53813	343752	193170	56527
		78		454407	265443	41385	429387	260058	44891	409701	254673	49388	377409	228770	51542	363840	226272	54124	349903	223774	56853
		80		462500	290149	41593	436975	284756	45131	416921	276667	49663	384026	251666	51835	373529	249164	54433	356088	244162	57178
		82		470619	314484	41798	444601	306396	45369	424136	301003	49937	390656	274242	52127	380007	269239	54741	362266	266738	57501
		76	69	453123	187297	41340	428283	182594	44839	420474	180242	49774	387326	162850	51954	376756	160668	54558	359168	158486	57309
		78		461010	216348	41551	435679	211468	45083	427646	209028	50057	393911	189392	52256	383188	184864	54876	365318	182601	57643
		80		469272	247727	41762	443428	242656	45326	435165	240120	50340	403043	215706	52558	389917	213353	55195	371755	211001	57978
		82		477564	281745	41970	451216	273825	45568	442724	271185	50621	410004	246684	52858	396661	244235	55512	385369	239336	58311

UNIT SPECIFICATIONS

COOLING PERFORMANCE DATA - R407C

Model	Evaporator CFM	Dry Bulb Temp. F	Wet Bulb Temp. F	85.00			95.00			105.00			115.00			120.00			125.00		
				Capacity Btuh	Sensible capacity Btuh	Power Input Watt	Capacity Btuh	Sensible capacity Btuh	Power Input Watt	Capacity Btuh	Sensible capacity Btuh	Power Input Watt	Capacity Btuh	Sensible capacity Btuh	Power Input Watt	Capacity Btuh	Sensible capacity Btuh	Power Input Watt	Capacity Btuh	Sensible capacity Btuh	Power Input Watt
3RTH480GC2	10000	84.2	66.2	502226	408625	45457	474926	396714	48788	445769	384804	53228	407694	349228	56672	395402	346461	59466	383026	340928	62430
		76	63	458762	346565	44151	433588	337632	47389	389024	316789	51019	355549	286034	54355	344680	283267	57059	333729	277734	59932
		78		466387	373440	44382	440840	364507	47637	395664	343664	51283	361650	311004	54632	350614	308237	57347	339496	302704	60230
		80		474008	400316	44613	448088	391383	47884	402302	370539	51545	367750	335974	54907	356547	333207	57633	345261	327674	60527
		82		481623	430168	44842	455331	418258	48130	408938	397414	51806	373847	360944	55181	362477	355411	57917	351025	352644	60822
		76	65	466002	317043	44371	440471	305133	47625	406450	293222	51706	371562	264138	55076	360255	258604	57808	348866	255838	60709
		78		473806	343918	44606	447894	332008	47877	413380	320097	51977	377929	289108	55361	366448	283575	58104	354885	280808	61016
		80		481606	370794	44841	455313	358883	48129	420307	346972	52247	384295	314078	55644	372640	308545	58398	360902	303012	61322
		82		489401	397669	45075	462726	385758	48379	427230	370870	52516	390657	336281	55926	378828	333515	58691	366917	327982	61626
		76	67	472850	272767	44577	446983	264204	47846	423986	255640	52388	387676	229563	55791	375929	226911	58551	364099	221607	61481
		78		480829	310985	44818	454572	302064	48104	431207	293144	52667	394312	264076	56085	382384	261314	58856	370373	255788	61797
		80		488804	338294	45057	462157	329361	48359	438425	320428	52945	400945	289415	56376	388837	283882	59159	376645	281115	62111
		82		496773	365169	45294	469737	356236	48614	445639	347303	53222	407575	314385	56666	395286	308852	59460	382913	306086	62424
		76	69	479076	222425	44763	452904	214634	48045	441404	209440	53055	403684	187355	56491	391502	184942	59278	379236	182529	62235
		78		487125	252398	45006	460559	244315	48306	448825	241620	53342	410504	216982	56792	398136	214479	59590	385684	209472	62558
		80		495246	287581	45249	468284	279180	48565	456316	276380	53627	417388	248983	57091	404833	246382	59901	392194	241178	62881
		82		503693	325724	45500	476003	316978	48824	463800	314062	53911	424268	283674	57388	411525	278256	60209	398700	275547	63201
	14000	84.2	66.2	534283	475145	46384	505240	461296	49783	474222	447446	54314	433717	406079	57829	420640	402862	60680	407474	396428	63704
		76	63	488045	402983	45052	461264	392596	48357	413855	368359	52060	378243	332597	55464	366681	329380	58223	355031	322946	61155
		78		496156	434233	45288	468978	423846	48610	420919	399609	52329	384734	361632	55747	372994	358415	58517	361166	351982	61460
		80		504264	465483	45523	476689	455096	48861	427981	430859	52597	391223	390667	56028	379305	387451	58809	367299	381017	61763
		82		512365	500196	45757	484395	486346	49112	435040	462110	52863	397709	419703	56307	385614	413269	59099	373431	410052	62064
		76	65	495746	368655	45276	468586	354805	48597	432394	340956	52761	395278	307137	56200	383250	300703	58988	371134	297486	61948
		78		504049	399905	45517	476482	386056	48855	439766	372206	53038	402052	336172	56491	389839	329738	59290	377537	326521	62262
		80		512347	431155	45756	484375	417306	49111	447135	403456	53314	408824	365207	56780	396425	358773	59590	383938	352339	62574
		82		520639	462405	45995	492262	448556	49366	454500	431244	53588	415592	391025	57067	403009	387808	59889	390337	381374	62883
		76	67	503032	317171	45487	475514	307213	48823	451049	297256	53457	412421	266934	56930	399925	263850	59746	387340	257683	62735
		78		511520	361610	45732	483587	351237	49085	458731	340865	53742	419481	307065	57229	406792	303853	60057	394014	297428	63058
		80		520004	393365	45976	491656	382978	49346	466410	372591	54026	426538	336529	57527	413656	330095	60366	400686	326878	63379
		82		528482	424615	46219	499720	414228	49606	474084	403841	54308	433590	365564	57823	420517	359130	60673	407355	355913	63698
		76	69	509656	258634	45677	481813	249574	49025	469579	243534	54138	429451	217855	57644	416491	215049	60488	403443	212243	63505
		78		518218	293486	45925	489956	284087	49291	477474	280953	54430	436706	252305	57951	423548	249394	60806	410302	243572	63835
		80		526858	334396	46172	498174	324628	49556	485442	321372	54721	444030	289516	58256	430673	286490	61123	417228	280440	64164
		82		535843	378749	46429	506386	368579	49820	493404	365189	55011	451348	329853	58559	437793	323554	61438	424149	320404	64491
	15000	84.2	66.2	538557	494151	46477	509282	479748	49883	478016	465344	54423	437187	422322	57945	424005	418976	60801	410734	412285	63832
		76	63	491949	419102	45142	464954	408299	48453	417166	383093	52164	381269	345901	55575	369615	342556	58340	357872	335864	61277
		78		500125	451602	45379	472730	440800	48707	424286	415594	52434	387812	376098	55858	375978	372752	58634	364055	366061	61582
		80		508298	484102	45614	480503	473300	48959	431405	448094	52702	394353	406294	56140	382340	402949	58926	370238	396257	61886
		82		516464	520204	45848	488270	505800	49210	438521	480594	52969	400891	436491	56419	388699	429799	59217	376418	426454	62188
		76	65	499712	383401	45367	472335	368998	48694	435853	354594	52866	398440	319422	56312	386316	312731	59105	374103	309385	62072
		78		508081	415901	45608	480294	401498	48952	443284	387094	53144	405269	349619	56604	392957	342927	59408	380557	339582	62386
		80		516446	448401	45848	488250	433998	49209	450712	419594	53420	412095	379815	56893	399597	373124	59709	387010	366433	62699
		82		524804	480902	46087	496200	466498	49465	458136	448494	53695	418917	406666	57181	406233	403320	60009	393460	396629	63009
		76	67	507057	329857	45578	479318	319502	48920	454657	309146	53564	415720	277611	57044	403124	274404	59866	390438	267990	62861
		78		515613	376074	45824	487456	365287	49183	462401	354499	53850	422837	319348	57344	410046	316007	60177	397166	309325	63184
		80		524164	409100	46068	495590	398297	49445	470141	387494	54134	429950	349990	57642	416965	343299	60487	403892	339953	63505
		82		532709	441600	46311	503718	430797	49705	477877	419995	54417	437059	380187	57938	423881	373496	60795	410613	370150	63825
		76	69	513733	268979	45768	485668	259557	49123	473335	253276	54246	432887	226569	57759	419823	223651	60609	406670	220733	63632
		78		522364	305226	46017	493876	295450	49390	481293	292192	54539	440200	262397	58066	426937	259370	60928	413584	253315	63963
		80		531073	347772	46265	502160	337613	49655	489326	334227	54831	447582	301096	58372	434118	297950	61245	420566	291657	64292
		82		540130	393899	46521	510437	383322	49920	497351	379796	55121	454959	343048	58676	441295	336496	61561	427542	333220	64620

UNIT SPECIFICATIONS

COOLING PERFORMANCE DATA - R407C

Model	Evaporator CFM	Dry Bulb Temp. F	Wet Bulb Temp. F	85.00			95.00			105.00			115.00			120.00			125.00		
				Capacity Btuh	Sensible capacity Btuh	Power Input Watt	Capacity Btuh	Sensible capacity Btuh	Power Input Watt	Capacity Btuh	Sensible capacity Btuh	Power Input Watt	Capacity Btuh	Sensible capacity Btuh	Power Input Watt	Capacity Btuh	Sensible capacity Btuh	Power Input Watt	Capacity Btuh	Sensible capacity Btuh	Power Input Watt
3RTH540GC2	11500	84.2	66.2	583066	447277	51602	552380	437052	55523	519495	426827	60688	470908	379357	64096	456327	373150	67288	441276	370046	70669
		76	63	529385	376241	50082	501429	366016	53913	450104	348974	58161	407636	308465	61441	394708	305361	64508	381292	299154	67756
		78		539195	407003	50363	510743	396778	54212	458624	376328	58478	415412	336477	61775	402284	330270	64858	388671	327166	68124
		80		548000	437765	50615	519103	427541	54478	466268	407091	58762	422387	361385	62074	409079	358282	65171	395288	355178	68451
		82		557898	468528	50895	528498	458303	54775	474858	437853	59078	430222	389397	62406	416711	386294	65519	402719	380087	68816
		76	65	538579	342449	50346	510156	332224	54193	471473	318591	58951	427136	283901	62273	413706	277694	65379	399794	274590	68670
		78		547696	373211	50606	518813	362986	54468	479550	349353	59248	434502	308809	62584	420880	305706	65706	406779	302602	69012
		80		557695	403974	50890	528303	393749	54769	488403	380115	59570	442574	336822	62924	428741	333718	66061	414431	327511	69384
		82		566795	434736	51146	536941	424511	55041	496459	410878	59863	449918	364834	63230	435892	358626	66382	421391	355523	69721
		76	67	546507	295882	50572	517682	286080	54432	492296	279546	59709	446124	245629	63069	432199	242654	66213	417797	236703	69544
		78		556595	338946	50858	527257	328736	54736	501409	318525	60039	454430	283850	63415	440287	280750	66576	425668	274552	69923
		80		566009	366773	51124	536193	359957	55017	509912	349732	60345	462178	312258	63736	447830	306051	66911	433008	302947	70275
		82		576181	397536	51410	545846	390719	55319	519096	380494	60673	470545	337166	64080	455974	334063	67271	440932	330959	70652
		76	69	554571	239732	50801	529840	230814	54816	518182	227841	60637	469714	202058	64042	455167	199351	67232	440148	193937	70611
		78		564288	273483	51075	534557	267314	54965	522761	264230	60801	473884	232182	64214	459225	229373	67412	444096	226565	70799
		80		574539	313149	51364	544285	306738	55270	532202	303533	61136	482483	267640	64565	467595	264721	67778	452239	258884	71182
		82		584249	356150	51635	553499	346138	55558	541143	342801	61451	490625	306077	64895	475518	299999	68123	459946	296960	71543
	16000	84.2	66.2	607361	538888	52656	575396	526568	56656	541140	514249	61926	498529	457057	65404	475341	449578	68661	459662	445839	72111
		76	63	551442	453302	51104	522321	440983	55014	468859	420451	59348	424621	371644	62695	411154	367905	65824	397180	360426	69139
		78		561662	490365	51391	532024	478046	55318	477733	453408	59672	432721	405394	63036	419046	397915	66182	404866	394176	69514
		80		570833	527428	51648	540733	515109	55590	485696	490471	59961	439986	435404	63340	426124	431665	66501	411759	427925	69848
		82		581143	564491	51934	550519	552172	55893	494643	527534	60284	448148	469153	63680	434074	465414	66856	419499	457936	70221
		76	65	561020	412589	51373	531412	400270	55299	491117	383844	60154	444933	342049	63543	430944	334571	66713	416452	330832	70071
		78		570517	449652	51639	540430	437333	55580	499531	420907	60457	452606	372060	63862	438417	368320	67046	423728	364581	70420
		80		580932	486715	51928	550316	474396	55887	508753	457970	60786	461015	405809	64208	446606	402070	67409	431699	394591	70800
		82		590411	523778	52190	559314	511459	56164	517145	495033	61084	468664	439559	64521	454054	432080	67737	438949	428341	71144
		76	67	569278	356485	51604	539252	344675	55543	512808	336802	60928	464712	295938	64356	450207	292354	67565	435205	285185	70963
		78		579787	408369	51896	549226	396067	55853	522301	383765	61264	473365	341988	64709	458632	338253	67934	443404	330785	71350
		80		589593	441896	52167	558534	433683	56140	531158	421364	61576	481436	376214	65037	466489	368736	68277	451050	364997	71709
		82		600189	478959	52459	568589	470746	56448	540724	458427	61911	490151	406225	65388	474973	402485	68644	459304	398746	72094
		76	69	577679	288834	51837	551917	278089	55935	539773	274508	61875	489286	243444	65349	474132	240182	68604	458487	233660	72052
		78		587800	329497	52118	556830	322065	56087	544542	318349	62042	493630	279737	65525	478360	276353	68787	462601	272970	72243
		80		598478	377288	52412	566963	369564	56398	554377	365702	62383	502587	322458	65882	487078	318942	69162	471082	311908	72635
		82		608592	429096	52689	576562	417034	56692	563691	413013	62705	511068	368767	66219	495332	361444	69514	479111	357783	73003
	17500	84.2	66.2	612827	565832	52813	580575	552897	56826	546010	539962	62112	494944	479909	65600	479619	472057	68867	463799	468131	72328
		76	63	556405	475967	51257	527022	463032	55179	473078	441474	59526	428443	390226	62883	414854	386300	66021	400754	378448	69346
		78		566717	514884	51545	536813	501948	55484	482032	476078	59851	436615	425663	63225	422817	417811	66380	408510	413885	69722
		80		575971	553800	51803	545599	540864	55756	490067	514994	60141	443946	457174	63530	429959	453248	66700	415464	449322	70058
		82		586374	592716	52090	555474	579781	56061	499095	553910	60464	452181	492611	63871	437981	488685	67057	423275	480632	70432
		76	65	566069	433219	51527	536195	420283	55465	495537	403036	60335	448937	359152	63734	434822	351299	66913	420200	347373	70281
		78		575652	472135	51794	545294	459200	55747	504027	441953	60638	456680	390663	64053	442363	386736	67248	427542	382810	70632
		80		586160	511051	52084	555269	498116	56054	513332	480869	60969	465164	426100	64400	450625	422173	67611	435584	414321	71013
		82		595725	549967	52347	564347	537032	56333	521799	519785	61268	472882	461537	64714	458141	453684	67940	442899	449758	71357
		76	67	574402	374309	51759	544105	361909	55710	517423	353643	61111	468895	310735	64549	454259	306971	67767	439122	299444	71176
		78		585005	428787	52052	554169	415870	56020	527002	402953	61448	477625	359087	64903	462760	355166	68138	447395	347325	71565
		80		594899	463990	52324	563561	455367	56308	535939	442432	61761	485769	395025	65232	470688	387173	68482	455109	383246	71924
		82		605591	502907	52616	573707	494283	56618	545591	481348	62097	494562	426536	65584	479248	422610	68850	463438	418683	72310
		76	69	582878	303276	51993	556884	291994	56103	544631	288233	62060	493689	255616	65545	478399	252191	68810	462614	245343	72268
		78		593090	345972	52274	561842	338168	56255	549443	334267	62228	498072	293724	65721	482665	290171	68994	466764	286618	72460
		80		603864	396152	52569	572066	388042	56568	559367	383987	62570	507110	338581	66080	491462	334889	69369	475322	327504	72853
		82		614070	450551	52847	581751	437886	56862	568764	433664	62893	515667	387205	66418	499790	379517	69722	483423	375672	73222

UNIT SPECIFICATIONS

COOLING PERFORMANCE DATA - R407C

Model	Evaporator CFM	Dry Bulb Temp. F	Wet Bulb Temp. F	85.00			95.00			105.00			115.00			120.00			125.00		
				Capacity Btuh	Sensible capacity Btuh	Power Input Watt	Capacity Btuh	Sensible capacity Btuh	Power Input Watt	Capacity Btuh	Sensible capacity Btuh	Power Input Watt	Capacity Btuh	Sensible capacity Btuh	Power Input Watt	Capacity Btuh	Sensible capacity Btuh	Power Input Watt	Capacity Btuh	Sensible capacity Btuh	Power Input Watt
3RTH600GC2	13000	84.2	66.2	635703	397504	56444	602968	391156	60875	566855	381633	66668	500567	327361	68850	483663	324568	72286	465790	321776	75912
		76	63	575053	331349	54795	545369	325000	59130	488399	309129	63903	430427	263576	65966	415200	260783	69237	398972	257991	72684
		78		585183	359998	55075	555000	353649	59427	497232	337778	64223	438341	288780	66301	422935	285987	69591	406530	280402	73060
		80		596316	388646	55381	565579	379124	59750	506928	363253	64572	447024	313983	66666	431416	308398	69977	414815	303296	73469
		82		613034	420470	55834	575223	407773	60043	515762	391902	64887	454929	332625	66995	439136	321078	70326	422353	308807	73838
		76	65	584293	299878	55051	554152	293530	59401	511515	284007	64733	451131	241475	66834	435429	238683	70155	418735	233098	73658
		78		595531	328527	55359	564830	322179	59727	521501	309482	65089	460063	266679	67205	444150	263886	70548	427249	258301	74073
		80		606006	357176	55644	574781	350828	60030	530801	338131	65417	468377	291882	67548	452265	286297	70910	435169	283505	74457
		82		617372	385825	55952	585572	376302	60355	540880	366780	65770	477382	314293	67916	461052	311501	71299	443742	308709	74869
		76	67	593784	260342	55311	563168	251213	59677	535483	245128	65579	472563	210295	67716	456351	207618	71088	439157	202264	74646
		78		604570	296643	55605	573415	290303	59988	545255	283964	65921	481291	244237	68072	464866	238660	71464	447463	235871	75044
		80		616030	325706	55916	584295	319357	60317	555626	313009	66280	490549	266989	68447	473895	264196	71860	456268	261404	75462
		82		626851	354355	56207	594568	348006	60625	565412	338484	66618	499281	292193	68798	482409	289400	72230	464569	283815	75854
		76	69	602133	209421	55539	571098	203884	59918	559052	201115	66396	493609	169622	68567	476880	167187	71987	459180	164751	75596
		78		613671	243205	55852	582054	234588	60249	569710	231716	66762	503116	198796	68948	486149	196269	72389	468215	193742	76022
		80		624801	276710	56152	592620	270740	60566	579983	267755	67113	512275	230302	69312	495077	227676	72774	476915	222424	76428
		82		636468	316143	56464	603689	309927	60896	590741	306819	67478	521863	264453	69691	504419	258985	73173	486017	256250	76850
	18000	84.2	66.2	669161	484761	57596	634703	477020	62118	596689	465407	68029	526913	399220	70255	509119	395815	73761	490305	392409	77461
		76	63	605319	404084	55914	574073	396342	60337	514104	376987	65207	453081	321434	67313	437053	318029	70649	419971	314623	74168
		78		615982	439021	56199	584210	431279	60640	523402	411925	65534	461412	352170	67654	445194	348765	71011	427927	341954	74551
		80		627701	473959	56511	595346	462346	60970	533609	442992	65890	470551	382906	68026	454122	376095	71405	436648	369873	74968
		82		645298	512768	56974	605498	497284	61269	542908	477929	66212	478872	405640	68363	462248	391558	71761	444582	376594	75345
		76	65	615046	365705	56174	583318	357963	60613	538437	346350	66054	474874	294482	68198	458346	291076	71587	440773	284265	75161
		78		626875	400643	56489	594558	392901	60946	548948	377417	66417	484277	325218	68577	467526	321812	71987	449736	315002	75585
		80		637902	435581	56780	605033	427839	61255	558738	412355	66752	493028	355954	68926	476068	349143	72357	458072	345738	75977
		82		649865	470518	57094	616391	458905	61587	569348	447293	67113	502508	383285	69302	485318	379879	72754	467096	376474	76397
		76	67	625036	317490	56440	592809	306357	60894	563666	298936	66917	497435	256457	69098	480369	253192	72539	462270	246663	76169
		78		636390	361759	56740	603594	354028	61212	573952	346297	67266	506622	297850	69461	489332	291048	72923	471013	287648	76575
		80		648452	397202	57057	615847	389460	61548	584869	381718	67633	516367	325596	69844	498837	322191	73327	480283	318785	77002
		82		659843	432140	57354	625861	424398	61862	595171	412785	67977	525559	356332	70202	507799	352927	73705	489020	346116	77402
		76	69	633825	255391	56672	601156	248639	61140	588476	245262	67751	519588	206857	69966	501979	203886	73456	483347	200916	77139
		78		645970	296592	56992	612688	286083	61479	599694	282580	68125	529595	242434	70355	511735	239352	73867	492857	236271	77573
		80		657686	337452	57298	623811	330171	61802	610509	326530	68483	539237	280856	70727	521133	277654	74259	502016	271249	77988
		82		669966	385541	57617	635462	377960	62139	621833	374170	68855	549329	322504	71113	530967	315835	74666	511596	312501	78418
	19500	84.2	66.2	674514	508999	57711	639780	500870	62242	601463	488677	68165	531128	419181	70396	513192	415606	73908	494228	412030	77616
		76	63	610161	424288	56026	578665	416159	60458	518217	395836	65338	456705	337506	67447	440549	333930	70791	423330	330354	74316
		78		620910	460972	56312	588884	452843	60761	527589	432521	65665	465103	369779	67790	448756	366203	71153	431350	359052	74700
		80		632723	497657	56624	600109	485464	61092	537878	465141	66022	474316	402052	68162	457755	394900	71548	440141	388366	75118
		82		650461	538406	57088	610342	522148	61391	547251	501826	66344	482703	425922	68499	465946	411136	71904	448139	395424	75496
		76	65	619966	383990	56286	587985	375961	60734	542745	363668	66187	478673	309206	68335	462013	305630	71730	444299	298479	75312
		78		631890	420675	56602	599314	412546	61068	553340	396288	66550	488151	341479	68714	471266	337903	72131	453333	330752	75736
		80		643005	457360	56894	609873	449231	61377	563208	432973	66886	496973	373752	69064	479877	366600	72502	461737	363025	76128
		82		655064	494044	57208	621323	481851	61710	573902	469657	67247	506528	402449	69441	489200	398873	72900	470833	395298	76550
		76	67	630037	333364	56553	597551	321675	61016	568176	313883	67051	501414	269280	69236	484212	265852	72684	465968	258997	76321
		78		641481	379847	56854	608423	371730	61335	578544	363612	67400	510675	312742	69600	493247	305601	73069	474781	302030	76728
		80		653640	417062	57171	619968	408933	61671	589548	400804	67768	520498	341876	69983	502828	338300	73473	484125	334725	77156
		82		665122	453747	57469	630868	445618	61986	599932	433424	68113	529763	374149	70342	511862	370573	73852	492932	363422	77557
		76	69	638895	268160	56785	605965	261070	61263	593184	257526	67887	523745	217199	70106	505995	214081	73603	487214	210962	77294
		78		651137	311421	57106	617590	300387	61601	604492	296709	68261	533832	254555	70496	515829	251320	74014	496800	248084	77728
		80		662947	354324	57412	628801	346679	61926	615393	342857	68620	543551	294899	70868	525302	291537	74408	506032	284811	78144
		82		675326	404818	57732	640546	396858	62263	626807	392879	68993	553724	338629	71255	535215	331627	74816	515689	328126	78575

UNIT SPECIFICATIONS

COOLING PERFORMANCE DATA - R407C

Model	Evaporator CFM	Dry Bulb Temp. F	Wet Bulb Temp. F	85.00			95.00			105.00			115.00			120.00			125.00		
				Capacity Btuh	Sensible capacity Btuh	Power Input Watt	Capacity Btuh	Sensible capacity Btuh	Power Input Watt	Capacity Btuh	Sensible capacity Btuh	Power Input Watt	Capacity Btuh	Sensible capacity Btuh	Power Input Watt	Capacity Btuh	Sensible capacity Btuh	Power Input Watt	Capacity Btuh	Sensible capacity Btuh	Power Input Watt
3RTH720GC3	15000	84.2	66.2	750870	613175	67807	709641	599050	72771	665662	584925	79412	609088	514221	84668	590551	509979	88869	571876	505737	93330
		76	63	682479	519752	65834	644611	505627	70657	577096	477377	76095	527631	417333	81179	511326	413091	85242	494886	408850	89563
		78		699597	562249	66332	660890	548123	71191	591989	519873	76664	541329	459858	81777	524648	451375	85864	507832	447133	90210
		80		706232	604745	66526	667197	585911	71399	597760	562369	76885	546636	493900	82010	529809	489659	86106	512847	481175	90462
		82		718138	647241	66870	678519	628407	71768	608120	604865	77277	556164	532184	82423	539076	523701	86536	521852	519459	90908
		76	65	693620	473071	66159	655202	458946	71005	603853	440112	77110	552242	383762	82246	535263	379520	86352	518148	371037	90716
		78		710943	515567	66661	671676	501442	71543	619227	482609	77689	566381	422046	82855	549014	417804	86985	531511	409321	91374
		80		723205	558063	67015	683336	543938	71922	630109	525105	78097	576389	460330	83284	558748	456088	87431	540969	447605	91838
		82		730115	595851	67214	689905	581726	72136	636239	562892	78327	582027	494372	83527	564230	490130	87683	546297	485888	92099
		76	67	704198	404229	66466	665258	395202	71334	630831	381661	78119	577055	335697	83307	559396	327565	87455	541601	323499	91862
		78		716611	463530	66825	677061	449425	71719	642063	440021	78538	587385	383698	83748	569443	379462	87913	551363	375226	92338
		80		734240	511382	67331	693827	497257	72261	658018	483132	79127	602059	422517	84368	583715	418275	88557	565234	414034	93007
		82		741500	549170	67540	700729	535045	72485	664586	525628	79371	608100	460801	84624	589590	456559	88823	570942	448076	93283
		76	69	713570	327068	66737	674168	318855	71624	657416	310642	79101	601507	272451	84339	583179	268751	88527	564714	265052	92976
		78		731836	377799	67261	686188	365016	72015	669078	360756	79530	612233	317320	84791	593611	313481	88997	574852	305805	93463
		80		739513	432595	67482	698837	419311	72423	681348	414883	79980	623518	365780	85263	604588	357802	89487	585519	353813	93972
		82		757425	491998	67992	715873	478168	72969	697873	473558	80580	638718	418311	85894	619372	410005	90142	599888	405851	94652
	21000	84.2	66.2	798798	738766	69191	754937	721747	74256	708151	704729	81033	647966	619543	86396	628246	614432	90682	608379	609322	95235
		76	63	726042	626208	67178	685757	609190	72099	613932	575153	77648	561310	502811	82836	543964	497700	86981	526475	492590	91391
		78		744253	677408	67686	703075	660390	72644	629776	626353	78228	575882	554046	83446	558136	543825	87616	540247	538715	92051
		80		751311	728608	67884	709784	705917	72856	635914	677553	78454	581527	595061	83684	563626	589950	87864	545582	579729	92308
		82		763977	779808	68235	721829	757117	73232	646936	728754	78855	591664	641186	84105	573485	630965	88302	555162	625854	92763
		76	65	737894	569965	67509	697024	552947	72454	642397	530256	78683	587492	462364	83925	569428	457254	88114	551221	447033	92568
		78		756322	621165	68021	714549	604147	73003	658752	581456	79274	602533	508489	84546	584058	503379	88760	565437	493158	93239
		80		769367	672365	68382	726953	655347	73390	670328	632656	79690	613180	554614	84984	594412	549504	89215	575499	539283	93712
		82		776718	717893	68586	733941	700875	73608	676850	678184	79925	619178	595629	85231	600245	590518	89472	581167	585408	93979
		76	67	749147	487023	67822	707721	476147	72790	671097	459833	79713	613889	404455	85008	595102	394657	89239	576171	389758	93737
		78		762352	558470	68189	720278	541476	73183	683046	530146	80140	624878	462287	85457	605790	457183	89707	586557	452080	94222
		80		781106	616123	68705	738114	599105	73736	700019	582086	80742	640489	509057	86090	620974	503946	90364	601312	498836	94905
		82		788830	661650	68918	745457	644632	73964	707006	633287	80991	646914	555182	86351	627223	550071	90636	607386	539851	95187
		76	69	759117	394058	68099	717200	384162	73086	699379	374267	80715	639902	328254	86061	620403	323797	90334	600759	319340	94873
		78		778548	455179	68634	729988	439779	73484	711785	434646	81153	651312	382313	86521	631501	377689	90813	611544	368440	95370
		80		786716	521199	68859	743444	505194	73901	724839	499859	81612	663317	440699	87003	643178	431087	91313	622893	426281	95890
		82		805771	592769	69379	761567	576106	74458	742418	570551	82225	679487	503989	87647	658906	493981	91982	638179	488978	96584
	22500	84.2	66.2	806786	775704	69329	762487	757835	74405	715233	739966	81195	654446	650520	86568	634528	645154	90864	614463	639788	95426
		76	63	733302	657518	67312	692614	639649	72243	620072	603911	77803	566923	527951	83001	549403	522585	87155	531740	517219	91574
		78		751695	711278	67821	710105	693409	72789	636074	657671	78385	581641	581749	83613	563718	571017	87792	545650	565651	92235
		80		758824	765038	68020	716882	741213	73002	642274	711431	78611	587342	624814	83851	569263	619448	88039	551037	608716	92493
		82		771617	818799	68371	729047	794973	73379	653406	765191	79012	597581	673245	84274	579220	662513	88478	560713	657147	92949
		76	65	745273	598463	67644	703994	580594	72599	648821	556769	78841	593367	485482	84093	575123	480116	88290	556733	469384	92753
		78		763886	652224	68157	721694	634354	73149	665339	610529	79433	608559	533913	84715	589898	528547	88937	571091	517816	93425
		80		777061	705984	68519	734223	688115	73537	677032	664289	79850	619312	582345	85154	600356	576979	89394	581254	566247	93899
		82		784485	753788	68723	741281	735918	73756	683619	712093	80085	625369	625410	85402	606247	620044	89651	586979	614678	94167
		76	67	756638	511374	67958	714799	499954	72935	677808	482824	79872	620028	424678	85178	601053	414390	89418	581932	409246	93924
		78		769975	586394	68325	727481	568550	73329	689876	556654	80301	631127	485401	85628	611848	480042	89886	592422	474684	94411
		80		788917	646929	68842	745495	629060	73883	707019	611191	80904	646894	534510	86262	627183	529144	90545	607325	523778	95095
		82		796718	694733	69056	752911	676864	74112	714076	664951	81153	653384	582941	86523	633495	577575	90817	613459	566843	95377
		76	69	766708	413760	68235	724372	403370	73232	706373	392980	80876	646301	344667	86233	626607	339987	90514	606767	335307	95063
		78		786334	477938	68771	737287	461768	73631	718903	456378	81316	657825	401429	86694	637816	396573	90994	617660	386861	95561
		80		794583	547258	68997	750878	530454	74049	732087	524852	81775	669951	462734	87177	649610	452642	91496	629122	447595	96082
		82		813829	622407	69518	769183	604911	74607	749842	599079	82389	686282	529188	87822	665495	518680	92166	644561	513427	96777

UNIT SPECIFICATIONS

COOLING PERFORMANCE DATA - R407C

				85.00			95.00			105.00			115.00			120.00			125.00		
Model	Evaporator CFM	Dry Bulb Temp. F	Wet Bulb Temp. F	Capacity Btuh	Sensible capacity Btuh	Power Input Watt	Capacity Btuh	Sensible capacity Btuh	Power Input Watt	Capacity Btuh	Sensible capacity Btuh	Power Input Watt	Capacity Btuh	Sensible capacity Btuh	Power Input Watt	Capacity Btuh	Sensible capacity Btuh	Power Input Watt	Capacity Btuh	Sensible capacity Btuh	Power Input Watt
3RTH840GC3	18000	84.2	66.2	883295	741821	79065	836443	724953	85232	785491	708084	93319	716474	618431	99552	692917	613400	104551	668380	603339	109836
		76	63	797528	618852	76644	755058	601984	82661	676100	573870	89318	615787	498349	95282	594820	493318	100061	572839	483257	105113
		78		817997	671913	77229	774493	655045	83282	693882	626931	89985	632177	545823	95995	610800	540792	100812	588414	530731	105903
		80		825497	724974	77444	781611	708106	83512	700390	674369	90231	638171	593297	96258	616641	583235	101089	594105	572002	106195
		82		838846	772413	77823	794281	755544	83914	711974	727430	90662	648839	624700	96719	627038	603710	101574	604234	581754	106706
		76	65	818558	560793	77243	775023	543925	83298	714965	527056	90758	651602	456465	96822	629735	451434	101681	606866	446404	106819
		78		826657	613854	77476	782708	596986	83546	722135	574495	91026	658200	503939	97108	636163	493877	101983	613126	488847	107136
		80		846222	666915	78028	801277	650047	84132	739456	627556	91660	674142	551413	97785	651694	541351	102694	628251	536320	107884
		82		854083	714354	78251	808734	703108	84369	746408	680617	91916	680536	593856	98058	657921	588825	102982	634313	578763	108187
		76	67	831950	481927	77623	787730	471147	83702	748077	454976	91964	682080	397422	98108	659429	392600	103034	635787	382955	108241
		78		840521	555020	77868	795862	538176	83961	755815	526946	92247	689194	456387	98411	666357	451363	103352	642530	446340	108576
		80		860312	608856	78423	814641	591988	84551	773682	580742	92891	705623	504498	99096	682355	499467	104072	658103	494436	109333
		82		868651	656294	78658	822550	645049	84900	781203	628180	93163	712535	551972	99386	689083	541910	104377	664650	536879	109653
		76	69	839242	387837	77830	794645	378029	83921	776477	373125	92982	708198	320672	99193	684865	316284	104174	660549	311896	109440
		78		853649	450409	78236	808315	435144	84352	789747	430056	93458	720393	375667	99700	696737	371114	104706	672101	362009	109999
		80		873650	517991	78795	827290	502128	84945	808162	496840	94111	737312	435060	100394	713205	430329	105435	688125	420867	110764
		82		888164	591251	79198	841055	574735	85372	821514	569230	94582	749576	494513	100895	725139	489587	105961	699734	484661	111317
	25000	84.2	66.2	929784	904660	79864	880467	884089	86093	826833	863518	94261	754184	754184	100558	729387	748049	105607	703558	735779	110946
		76	63	839504	754698	77418	794798	734127	83496	711685	699841	90220	648197	607743	96244	626126	601608	101072	602988	589338	106174
		78		861049	819407	78009	815256	798835	84124	730402	764550	90894	665450	665638	96965	642947	659503	101830	619383	647233	106973
		80		868944	884115	78227	822749	863544	84356	737253	822401	91142	671759	723532	97231	649096	711262	102110	625374	697563	107268
		82		882996	941967	78609	836085	921395	84762	749447	887110	91578	682989	761829	97696	660040	736231	102600	636036	709456	107783
		76	65	861640	683894	78024	815813	663323	84140	752595	642752	91675	685896	556665	97800	662878	550530	102709	638806	544395	107898
		78		870165	748603	78259	823903	728032	84389	760142	700603	91946	692842	614560	98089	669645	602290	103013	645396	596155	108218
		80		890760	813311	78817	843450	792740	84982	778375	765312	92586	709623	672454	98773	685993	660184	103732	661317	654049	108974
		82		899034	871163	79042	851299	857449	85221	785693	830020	92845	716353	724214	99049	692548	718079	104022	667698	705809	109279
		76	67	875736	587716	78407	829190	574569	84547	787450	554849	92892	717979	484661	99099	694136	478780	104074	669249	467018	109335
		78		884759	676854	78654	837749	656312	84809	795594	642617	93179	725468	556570	99405	701428	550443	104396	676348	544317	109673
		80		905592	742508	79215	857517	721936	85405	814402	708222	93829	742761	615241	100097	718268	609106	105123	692740	602971	110437
		82		914369	800359	79453	865842	786645	85656	822319	766074	94104	750036	673136	100390	725350	660866	105431	699631	654731	110761
		76	69	883412	472972	78616	836468	461011	84769	817345	455030	93921	745472	391063	100195	720911	385712	105226	695315	380361	110545
		78		898578	549279	79027	850858	530664	85204	831313	524459	94402	758309	458130	100707	733407	452578	105763	707475	441475	111110
		80		919632	631697	79591	870832	612351	85803	850697	605902	95061	776118	530561	101408	750742	524792	106500	724342	513252	111883
		82		934910	721038	79998	885321	700897	86235	864752	694183	95537	789027	603064	101914	763304	597057	107031	736562	591050	112441
	27000	84.2	66.2	937222	949893	80103	887510	928293	86351	833448	906693	94544	760217	791893	100859	735222	785451	105924	709187	772568	111278
		76	63	846220	792433	77650	801157	770833	83746	717378	734833	90491	653383	638130	96533	631135	631688	101375	607812	618805	106493
		78		867937	860377	78243	821778	838777	84376	736246	802777	91166	670773	698920	97256	648090	692478	102136	624338	679594	107294
		80		875896	928321	78461	829331	906721	84609	743151	863521	91416	677133	759709	97522	654288	746826	102416	630376	732442	107590
		82		890060	989065	78845	842773	967465	85016	755442	931466	91852	688452	799921	97989	665320	773043	102908	641124	744929	108107
		76	65	868533	718089	78258	822340	696489	84392	759616	674889	91950	691384	584498	98093	668182	578056	103017	643917	571615	108221
		78		877127	786033	78494	830495	764433	84643	766223	735633	92222	698385	645288	98383	675002	632404	103322	650559	625962	108543
		80		897886	853977	79053	850197	832377	85237	784602	803577	92864	715300	706077	99069	691481	693194	104043	666608	686752	109301
		82		906227	914721	79279	858109	900321	85477	791978	871521	93123	722084	760425	99346	698089	753983	104334	673040	741100	109607
		76	67	882742	617101	78643	835823	603298	84801	793750	582592	93171	723722	508895	99396	699689	502719	104387	674603	490369	109663
		78		891837	710697	78890	844451	689127	85064	801959	674747	93459	731271	584398	99703	707040	577965	104709	681759	571533	110002
		80		912836	779633	79453	864377	758033	85661	820918	743633	94111	748704	646003	100397	724015	639562	105439	698282	633120	110769
		82		921684	840377	79691	872768	825977	85913	828897	804377	94386	756037	706793	100691	731153	693909	105747	705228	687468	111093
		76	69	890479	496621	78852	843160	484061	85023	823883	477782	94203	751436	410616	100496	726678	404998	105542	700877	399379	110877
		78		905767	576743	79264	857665	557197	85460	837963	550682	94685	764375	481036	101009	739274	475207	106081	713135	463549	111443
		80		926989	663281	79829	877798	642968	86060	857502	636197	95346	782327	557089	101712	756748	551031	106819	730136	538915	112219
		82		942389	757090	80238	892404	735941	86493	871670	728892	95824	795339	633218	102220	769411	626910	107352			

UNIT SPECIFICATIONS

COOLING PERFORMANCE DATA - R407C

Model	Evaporator CFM	Dry Bulb Temp. F	Wet Bulb Temp. F	85.00			95.00			105.00			115.00			120.00			125.00		
				Capacity Btuh	Sensible capacity Btuh	Power Input Watt	Capacity Btuh	Sensible capacity Btuh	Power Input Watt	Capacity Btuh	Sensible capacity Btuh	Power Input Watt	Capacity Btuh	Sensible capacity Btuh	Power Input Watt	Capacity Btuh	Sensible capacity Btuh	Power Input Watt	Capacity Btuh	Sensible capacity Btuh	Power Input Watt
3RTH960GC3	23000	84.2	66.2	985684	842000	92382	930498	822604	99292	872707	803207	108372	815149	712182	117982	790272	706307	123843	765213	694558	130067
		76	63	897220	713713	89727	846471	694317	96443	757731	655524	103883	707200	577995	113163	685289	572121	118832	663200	566246	124863
		78		911429	772068	90160	859968	746206	96907	770077	713879	104378	718790	631017	113694	696561	625143	119385	674151	613393	125438
		80		928342	830423	90671	876032	804561	97456	784773	772234	104962	732587	684039	114322	709978	678165	120038	687188	666415	126116
		82		942512	888778	91097	889493	862916	97914	797088	830589	105450	744150	737061	114846	721222	725312	120583	698113	719437	126682
		76	65	910675	649612	90135	859249	630215	96881	791797	604353	105228	739186	531500	114607	716397	525626	120334	693427	513877	126423
		78		926543	701501	90615	874321	682105	97397	805860	656243	105783	752388	584522	115203	729236	572773	120954	705902	566899	127067
		80		943705	766321	91131	890622	740459	97950	821071	714598	106379	766669	637544	115843	743124	625795	121620	719397	619921	127758
		82		958366	818211	91570	904550	798814	98422	834068	772952	106886	778870	684692	116388	754990	678817	122186	730927	672943	128346
		76	67	924693	555079	90558	872561	542683	97335	827287	524089	106610	772509	464932	116091	748805	453669	121877	724919	448038	128025
		78		940919	636511	91046	887973	617141	97859	841952	604228	107181	786276	531411	116704	762194	525545	122514	737929	519679	128687
		80		957176	695754	91533	903416	676357	98382	856645	663427	107750	800071	585175	117314	775609	579301	123149	750965	567551	129346
		82		974640	754109	92053	920004	734712	98940	872429	721781	108357	814889	638197	117966	790021	632323	123826	764969	620573	130048
		76	69	943463	454762	91120	890389	437845	97938	868107	432206	108178	810836	377337	117773	786081	372213	123625	761143	367090	129840
		78		955432	518785	91479	906230	507084	98473	883472	501233	108768	825262	439480	118405	800111	434164	124282	774777	423532	130522
		80		971072	594030	91946	916613	575789	98824	893542	569709	109154	834716	501072	118820	809305	495547	124713	783711	490022	130970
		82		988743	675601	92470	933399	656610	99387	909822	650280	109773	850001	573598	119483	824171	567846	125402	798158	562094	131685
	29000	84.2	66.2	1037562	1014458	93315	979472	991089	100295	918639	967720	109467	858051	858051	119174	831866	850973	125094	805487	836817	131380
		76	63	944442	859896	90633	891022	836527	97417	797612	789788	104933	744421	696380	114306	721357	689302	120032	698105	682224	126124
		78		959399	930203	91070	905230	899044	97886	810607	860095	105432	756621	760262	114843	733222	753184	120591	709633	739028	126705
		80		977202	1000510	91587	922139	969351	98441	826076	930402	106022	771145	824144	115477	747345	817066	121251	723356	802910	127390
		82		992117	1070817	92018	936308	1039658	98903	839040	1000709	106515	783315	888025	116006	759181	873870	121801	734856	866792	127961
		76	65	958605	782664	91046	904472	759295	97860	833470	728137	106291	778090	640362	115765	754102	633284	121550	729923	619128	127700
		78		975308	845182	91531	920338	821813	98380	848273	790654	106852	791988	704244	116367	767617	690088	122176	743055	683010	128351
		80		993374	923278	92052	937497	892120	98940	864285	860961	107454	807020	768126	117013	782236	753970	122848	757260	746892	129049
		82		1008806	985796	92495	952157	962427	99416	877966	931268	107966	819864	824930	117564	794726	817852	123420	769396	810774	129643
		76	67	973361	668769	91473	918485	653835	98318	870828	631433	107687	813167	560159	117263	788216	546589	123108	763073	539805	129318
		78		990441	766880	91966	934709	743544	98848	886265	727986	108264	827659	640255	117883	802310	633187	123752	776767	626119	129987
		80		1007554	838258	92458	950964	814889	99376	901732	799309	108838	842180	705030	118499	816431	697952	124392	790490	683797	130652
		82		1025936	908565	92983	968426	885196	99939	918346	869616	109451	857778	768912	119157	831601	761834	125076	805231	747679	131362
		76	69	993118	547906	92040	937251	527524	98927	913796	520730	109271	853512	454623	118962	827454	448450	124873	801203	442277	131151
		78		1005718	625042	92403	953927	610944	99468	929971	603895	109866	868697	529494	119601	842222	523089	125538	815555	510279	131841
		80		1022181	715699	92875	964856	693722	99823	940570	686396	110257	878648	603701	120020	851900	597044	125973	824959	590388	132293
		82		1040782	813978	93404	982525	791096	100391	957707	783469	110881	894738	691081	120690	867549	684151	126669	840167	677221	133015
	32000	84.2	66.2	1046900	1065181	93595	988287	1040643	100596	926906	1016106	109795	865774	900953	119531	839352	893521	125469	812737	878658	131775
		76	63	952942	902890	90905	899041	878353	97709	804790	829278	105247	751121	731199	114648	727849	723767	120392	704388	716335	126502
		78		968034	976713	91344	913377	943996	98180	817902	903100	105749	763431	798275	115187	739821	790843	120953	716019	775980	127085
		80		985997	1050535	91861	930439	1017818	98736	833511	976923	106340	778085	865351	115823	754071	857919	121614	729866	843056	127772
		82		1001046	1124357	92294	944735	1091641	99200	846592	1050745	106834	790365	932427	116354	766014	917563	122166	741470	910132	128345
		76	65	967233	821798	91319	912612	797260	98153	840971	764543	106610	785093	672380	116112	760889	664948	121914	736493	650085	128083
		78		984086	887441	91805	928621	862903	98675	855908	830187	107172	799116	739456	116716	774525	724593	122542	749743	717161	128736
		80		1002315	969442	92328	945935	936726	99237	872064	904009	107776	814283	806532	117364	789276	791669	123217	764075	784237	129436
		82		1017886	1035086	92773	960727	1010548	99714	885868	977831	108290	827242	866176	117916	801879	858745	123790	776321	851313	130032
		76	67	982121	702208	91747	926751	686527	98613	878666	663005	108010	820485	588167	117615	795310	573919	123477	769940	566795	129706
		78		999355	805224	92242	943121	780721	99144	894242	764385	108589	835108	672267	118236	809530	664846	124123	783758	657425	130377
		80		1016622	880171	92735	959523	855633	99674	909847	839275	109165	849760	740282	118855	823779	732850	124766	797604	717987	131044
		82		1035170	953993	93262	977141	929455	100239	926611	913097	109780	865498	807358	119515	839085	799926	125452	812478	785063	131756
		76	69	1002056	575301	92316	945687	553900	99224	922020	546766	109598	861193	477354	119319	834901	470872	125248	808414	464391	131545
		78		1014769	656295	92680	962512	641492	99766	938341	634090	110196	876515	555968	119960	849802	549243	125914	822895	535793	132236
		80		1031381	751484	93153	973540	728408	100122	949036	720716	110587	886556	633886	120380	859567	626897	126351	832384	619908	132690

UNIT SPECIFICATIONS

COOLING PERFORMANCE DATA - R407C

Model	Evaporator CFM	Dry Bulb Temp. F	Wet Bulb Temp. F	85.00			95.00			105.00			115.00			120.00			125.00		
				Capacity Btuh	Sensible capacity Btuh	Power Input Watt	Capacity Btuh	Sensible capacity Btuh	Power Input Watt	Capacity Btuh	Sensible capacity Btuh	Power Input Watt	Capacity Btuh	Sensible capacity Btuh	Power Input Watt	Capacity Btuh	Sensible capacity Btuh	Power Input Watt	Capacity Btuh	Sensible capacity Btuh	Power Input Watt
3RTH1080GC4	24000	84.2	66.2	1066871	920280	98056	1001404	892795	105396	940414	872181	115328	885133	764010	126817	856770	757845	133181	827459	745515	139916
		76	63	964577	763135	95051	912566	742521	102466	817658	708165	110655	768744	623023	121700	743443	610693	127817	717166	604528	134293
		78		980411	827978	95524	927595	807364	102970	831400	773008	111193	781785	675034	122292	756146	668869	128438	729535	656539	134944
		80		1003168	899692	96198	949192	879078	103686	851145	837851	111958	800517	733209	123130	774392	727045	129317	747298	714715	135867
		82		1012052	957664	96462	957620	937050	103968	858846	895822	112259	807819	789686	123460	781502	763960	129663	754218	737288	136229
		76	65	981692	692185	95561	928806	678442	103009	856987	650957	112172	806064	565532	123364	779797	559367	129562	752563	553202	136123
		78		1004619	763899	96239	950564	743285	103730	877280	715800	112950	825307	623708	124216	798535	617543	130456	770800	605213	137060
		80		1021031	828742	96722	966135	808128	104243	891799	780643	113504	839069	681883	124823	811933	675719	131091	783838	663389	137727
		82		1030489	886713	97002	975106	866099	104541	900160	838614	113824	846992	733894	125173	819645	727730	131459	791341	721565	138112
		76	67	1004456	602109	96232	950406	582348	103722	902514	569174	113896	849231	492924	125252	821829	487014	131541	793471	475195	138198
		78		1021268	691982	96727	966356	671397	104249	917685	650812	114470	863606	571584	125879	835821	565427	132198	807083	553115	138887
		80		1038126	750920	97221	982347	737177	104773	932894	716563	115041	878013	630557	126504	849842	618228	132853	820722	612063	139572
		82		1055021	815763	97711	998373	795149	105294	948133	781406	115608	892447	682568	127123	863889	676404	133501	834386	664074	140251
		76	69	1019771	485940	96682	964932	467960	104200	942503	461967	115387	887121	403715	126882	858710	392961	133248	829352	387584	139986
		78		1037018	562855	97187	981292	544201	104737	958375	537983	115978	902152	465932	127527	873335	460354	133924	843576	454775	140694
		80		1054343	639470	97690	997726	626545	105271	974316	620083	116566	917245	538934	128168	888021	533137	134595	857859	521541	141396
		82		1071552	729262	98189	1014046	709079	105801	990142	702351	117148	932227	618064	128804	902596	605992	135260	872031	599955	142092
	32500	84.2	66.2	1123022	1122293	100057	1054109	1088774	107546	989910	1063635	117681	931719	931719	129405	901863	924201	135899	871009	909165	142772
		76	63	1015344	930653	96991	960596	905514	104558	860693	863616	112913	809204	759784	124184	782571	744748	130426	754912	737229	137033
		78		1032012	1009730	97474	976416	984591	105072	875158	942692	113463	822931	823212	124787	795944	815694	131059	767932	800657	137698
		80		1055967	1097186	98161	999150	1072047	105802	895942	1021769	114243	842649	894158	125643	815149	886640	131956	786630	871604	138639
		82		1065318	1167883	98431	1008021	1142744	106090	904048	1092466	114550	850336	963032	125979	822633	931658	132309	793913	899132	139009
		76	65	1033360	844128	97511	977691	827368	105111	902091	793850	114461	848488	689673	125881	820839	682155	132206	792172	674637	138901
		78		1057493	931584	98203	1000594	906445	105847	923452	872926	115255	868744	760619	126751	840563	753101	133118	811369	738065	139857
		80		1074770	1010661	98696	1016985	985522	106371	938736	952003	115820	883231	831565	127370	854667	824047	133767	825093	809011	140537
		82		1084725	1081358	98981	1026427	1056219	106674	947537	1022700	116147	891571	894993	127728	862784	887475	134142	832990	879957	140931
		76	67	1057323	734279	98196	1000427	710181	105839	950014	694115	116221	893928	601126	127808	865084	593920	134226	835233	579506	141018
		78		1075019	843881	98701	1017216	818777	106376	965985	793673	116806	909059	697053	128448	879812	689546	134896	849562	674531	141721
		80		1092764	915756	99205	1034050	898996	106912	981993	873858	117389	924224	768972	129086	894570	753936	135564	863918	746418	142421
		82		1110548	994832	99705	1050919	969693	107443	998035	952934	117967	939418	832400	129717	909357	824882	136225	878301	809846	143113
		76	69	1073443	592609	98655	1015718	570683	106327	992108	563375	117742	933812	492335	129471	903905	479221	135967	873002	472664	142843
		78		1091598	686408	99170	1032939	663660	106874	1008816	656077	118345	949633	568210	130130	919300	561407	136657	887975	554604	143565
		80		1109835	779841	99684	1050238	764080	107419	1025595	756199	118945	965521	657237	130784	934759	650167	137342	903009	636026	144282
		82		1127950	889344	100193	1067417	864730	107960	1042255	856526	119539	981291	753736	131433	950101	739014	138020	917927	731653	144992
	35000	84.2	66.2	1134252	1178407	100357	1064650	1143213	107869	999809	1116817	118034	941037	978305	129794	910882	970411	136307	879719	954623	143200
		76	63	1025497	977186	97282	970201	950790	104871	869300	906796	113252	817296	797773	124557	790397	781985	130817	762461	774091	137444
		78		1042332	1060216	97766	986180	1033820	105387	883910	989827	113803	831160	864372	125162	803903	856478	131452	775611	840690	138111
		80		1066526	1152045	98455	1009141	1125649	106120	904902	1072857	114586	851076	938866	126020	823301	930972	132352	794496	915184	139055
		82		1075971	1226277	98726	1018101	1199881	106408	913089	1147089	114893	858839	1011183	126357	830860	978241	132706	801853	944088	139427
		76	65	1043694	886334	97804	987468	868737	105426	911112	833542	114804	856973	724157	126259	829048	716263	132603	800094	708369	139318
		78		1068068	978163	98498	1010599	951767	106164	932687	916573	115600	877431	798650	127131	848968	790756	133517	819482	774968	140277
		80		1085517	1061194	98992	1027154	1034798	106690	948123	999603	116167	892063	873143	127752	863213	865249	134168	833344	849461	140959
		82		1095573	1135425	99278	1036691	1109030	106994	957013	1073835	116495	900487	939743	128111	871412	931849	134544	841320	923955	141354
		76	67	1067896	770993	98491	1010431	745690	106157	959515	728821	116570	902867	631183	128192	873735	623615	134628	843585	608481	141441
		78		1085769	886075	98997	1027388	859716	106695	975644	833357	117156	918150	731906	128834	888610	724023	135301	858057	708257	142146
		80		1103692	961544	99503	1044390	943946	107232	991813	917550	117741	933466	807421	129473	903516	791633	135971	872557	783739	142848
		82		1121654	1044574	100005	1061428	1018178	107765	1008015	1000581	118321	948812	874020	130106	918451	866126	136634	887084	850339	143542
		76	69	1084177	622240	98951	1025875	599218	106645	1002029	591544	118095	943150	516952	129859	912944	503182	136375	881732	496297	143271
		78		1102514	720729	99468	1043269	696843	107195	1018904	688881	118700	959130	596621	130520	928493	589477	137067	896854	582334	143996
		80		1120933	818833	99983	1060740	802284	107742	1035851	7940										

UNIT SPECIFICATIONS

FAN PERFORMANCE

FAN PERFORMANCE - 3RTH360																		
External Static Pressure																		
Air Flow (CFM)	0.4		0.6		0.8		1.0		1.2		1.4		1.6		1.8		2.0	
	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
8500	647	2.72	694	2.92	754	3.65	800	3.93	838	4.46	872	4.93	900	5.32	927	5.78	972	6.11
9000	644	2.87	689	3.15	746	3.79	793	4.07	829	4.60	862	5.06	890	5.45	919	5.91	963	6.28
10000	637	3.17	679	3.62	730	4.07	780	4.34	811	4.88	843	5.33	871	5.70	902	6.15	945	6.61
11000	630	3.47	670	4.09	715	4.36	767	4.62	793	5.16	824	5.60	851	5.96	886	6.40	927	6.93
12000	628	4.00	672	4.42	706	4.67	758	4.96	785	5.58	810	6.00	840	6.25	887	6.67	916	7.25
13000	624	4.56	668	5.06	703	5.40	751	5.66	777	6.17	800	6.50	830	6.67	879	7.18	914	7.77

FAN PERFORMANCE - 3RTH420																		
External Static Pressure																		
Air Flow (CFM)	0.4		0.6		0.8		1.0		1.2		1.4		1.6		1.8		2.0	
	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
9500	640	3.02	684	3.39	738	3.93	787	4.20	820	4.74	853	5.20	881	5.57	911	6.03	954	6.44
10000	637	3.17	679	3.62	730	4.07	780	4.34	811	4.88	843	5.33	871	5.70	902	6.15	945	6.61
11000	630	3.47	670	4.09	715	4.36	767	4.62	793	5.16	824	5.60	851	5.96	886	6.40	927	6.93
12000	628	4.00	672	4.42	706	4.67	758	4.96	785	5.58	810	6.00	840	6.25	887	6.67	916	7.25
13000	624	4.56	668	5.06	703	5.40	751	5.66	777	6.17	800	6.50	830	6.67	879	7.18	914	7.77
14000	622	5.21	666	5.75	701	6.15	750	6.48	772	6.80	796	7.05	824	7.21	877	7.62	911	8.50

FAN PERFORMANCE - 3RTH480																		
External Static Pressure																		
Air Flow (CFM)	0.4		0.6		0.8		1.0		1.2		1.4		1.6		1.8		2.0	
	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
10000	637	3.17	679	3.62	730	4.07	780	4.34	811	4.88	843	5.33	871	5.70	902	6.15	945	6.61
11000	630	3.47	670	4.09	715	4.36	767	4.62	793	5.16	824	5.60	851	5.96	886	6.40	927	6.93
12000	628	4.00	672	4.42	706	4.67	758	4.96	785	5.58	810	6.00	840	6.25	887	6.67	916	7.25
13000	624	4.56	668	5.06	703	5.40	751	5.66	777	6.17	800	6.50	830	6.67	879	7.18	914	7.77
14000	622	5.21	666	5.75	701	6.15	750	6.48	772	6.80	796	7.05	824	7.21	877	7.62	911	8.50
15000	620	5.89	665	6.53	700	7.01	748	7.34	770	7.53	795	7.70	823	7.81	875	8.25	910	9.24

FAN PERFORMANCE - 3RTH540																				
External Static Pressure																				
Air Flow (CFM)	0.4		0.6		0.7		0.8		1.0		1.2		1.4		1.6		1.8		2.0	
	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
11500	629	3.73	671	4.25	711	4.51	763	4.79	789	5.37	817	5.80	845	6.10	887	6.53	921	7.09	957	7.70
12000	628	4.00	672	4.42	706	4.67	758	4.96	785	5.58	810	6.00	840	6.25	887	6.67	916	7.25	945	7.88
13000	624	4.56	668	5.06	703	5.40	751	5.66	777	6.17	800	6.50	830	6.67	879	7.18	914	7.77	950	8.41
14000	622	5.21	666	5.75	701	6.15	750	6.48	772	6.80	796	7.05	824	7.21	877	7.62	911	8.50	946	9.48
15000	620	5.89	665	6.53	700	7.01	748	7.34	770	7.53	795	7.70	823	7.81	875	8.25	910	9.24	946	10.36
16000	623	6.46	667	7.08	701	7.56	750	7.85	771	8.30	796	8.45	824	8.60	876	9.10	911	9.89	947	10.75
17000	625	7.09	670	7.77	704	8.29	753	8.61	774	9.11	799	9.27	827	9.43	879	9.98	914	10.85	951	11.79
17500	627	7.40	672	8.11	706	8.66	755	9.00	776	9.51	802	9.69	830	9.86	882	10.43	917	11.34	954	12.32

FAN PERFORMANCE - 3RTH600																				
External Static Pressure																				
Air Flow (CFM)	0.4		0.6		0.7		0.8		1.0		1.2		1.4		1.6		1.8		2.0	
	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
13000	624	4.56	668	5.06	703	5.40	751	5.66	777	6.17	800	6.50	830	6.67	879	7.18	914	7.77	950	8.41
14000	622	5.21	666	5.75	701	6.15	750	6.48	772	6.80	796	7.05	824	7.21	877	7.62	911	8.50	946	9.48
15000	620	5.89	665	6.53	700	7.01	748	7.34	770	7.53	795	7.70	823	7.81	875	8.25	910	9.24	946	10.36
16000	623	6.46	667	7.08	701	7.56	750	7.85	771	8.30	796	8.45	824	8.60	876	9.10	911	9.89	947	10.75
17000	625	7.09	670	7.77	704	8.29	753	8.61	774	9.11	799	9.27	827	9.43	879	9.98	914	10.85	951	11.79
18000	629	7.72	674	8.46	708	9.04	758	9.38	779	9.92	804	10.10	832	10.28	885	10.88	920	11.82	957	12.85
19000	633	8.49	678	9.30	712	9.93	762	10.31	784	10.90	809	11.10	837	11.30	890	11.95	926	12.99	963	14.12
19500	636	8.91	680	9.76	715	10.42	765	10.82	786	11.44	812	11.65	841	11.86	894	12.55	929	13.64	...	...

UNIT SPECIFICATIONS

FAN PERFORMANCE

FAN PERFORMANCE - 3RTH360																		
External Static Pressure																		
Air Flow (CFM)	0.4		0.6		0.8		1.0		1.2		1.4		1.6		1.8		2.0	
	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
8500	647	2.72	694	2.92	754	3.65	800	3.93	838	4.46	872	4.93	900	5.32	927	5.78	972	6.11
9000	644	2.87	689	3.15	746	3.79	793	4.07	829	4.60	862	5.06	890	5.45	919	5.91	963	6.28
10000	637	3.17	679	3.62	730	4.07	780	4.34	811	4.88	843	5.33	871	5.70	902	6.15	945	6.61
11000	630	3.47	670	4.09	715	4.36	767	4.62	793	5.16	824	5.60	851	5.96	886	6.40	927	6.93
12000	628	4.00	672	4.42	706	4.67	758	4.96	785	5.58	810	6.00	840	6.25	887	6.67	916	7.25
13000	624	4.56	668	5.06	703	5.40	751	5.66	777	6.17	800	6.50	830	6.67	879	7.18	914	7.77

FAN PERFORMANCE - 3RTH420																		
External Static Pressure																		
Air Flow (CFM)	0.4		0.6		0.8		1.0		1.2		1.4		1.6		1.8		2.0	
	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
9500	640	3.02	684	3.39	738	3.93	787	4.20	820	4.74	853	5.20	881	5.57	911	6.03	954	6.44
10000	637	3.17	679	3.62	730	4.07	780	4.34	811	4.88	843	5.33	871	5.70	902	6.15	945	6.61
11000	630	3.47	670	4.09	715	4.36	767	4.62	793	5.16	824	5.60	851	5.96	886	6.40	927	6.93
12000	628	4.00	672	4.42	706	4.67	758	4.96	785	5.58	810	6.00	840	6.25	887	6.67	916	7.25
13000	624	4.56	668	5.06	703	5.40	751	5.66	777	6.17	800	6.50	830	6.67	879	7.18	914	7.77
14000	622	5.21	666	5.75	701	6.15	750	6.48	772	6.80	796	7.05	824	7.21	877	7.62	911	8.50

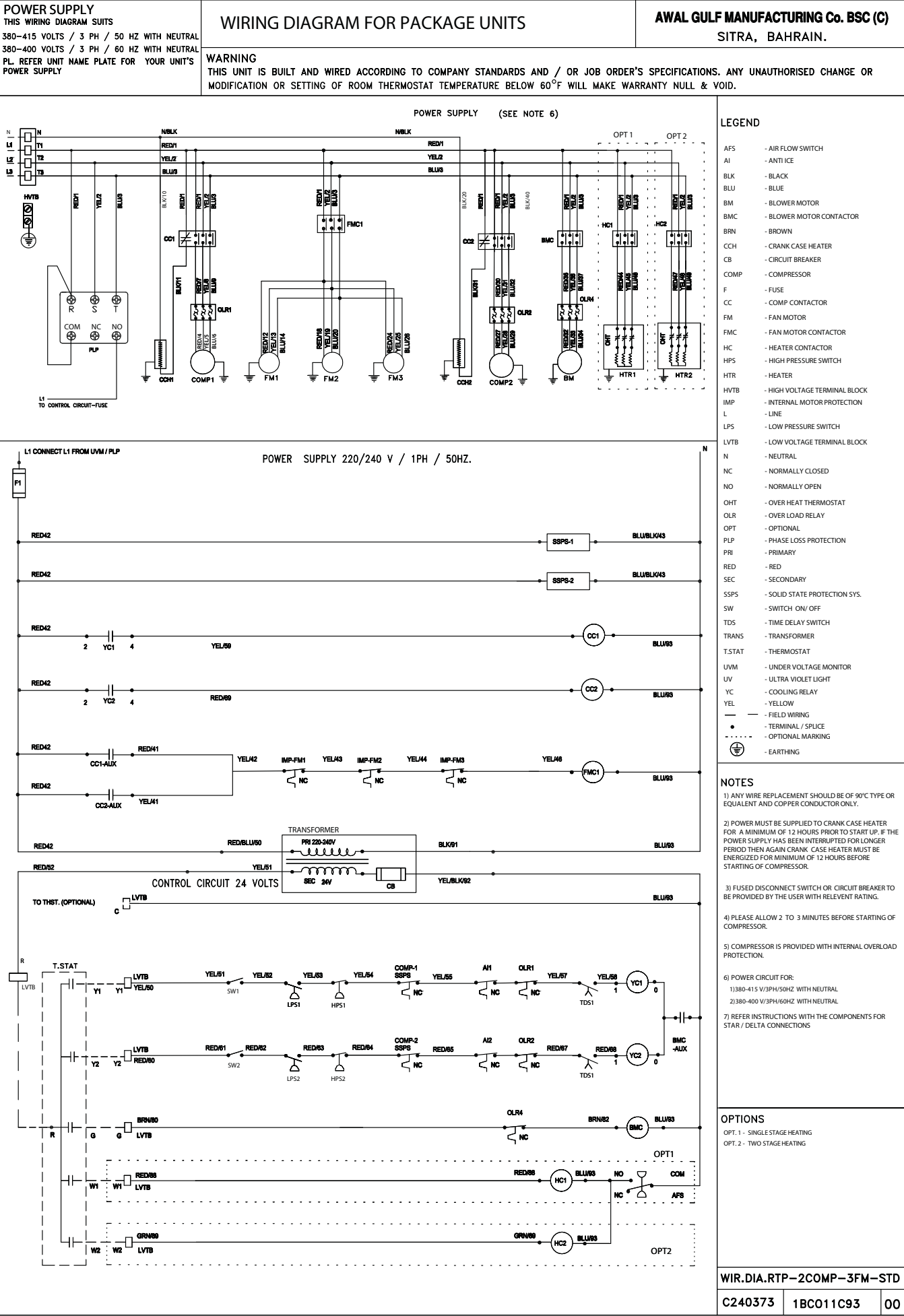
FAN PERFORMANCE - 3RTH480																		
External Static Pressure																		
Air Flow (CFM)	0.4		0.6		0.8		1.0		1.2		1.4		1.6		1.8		2.0	
	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
10000	637	3.17	679	3.62	730	4.07	780	4.34	811	4.88	843	5.33	871	5.70	902	6.15	945	6.61
11000	630	3.47	670	4.09	715	4.36	767	4.62	793	5.16	824	5.60	851	5.96	886	6.40	927	6.93
12000	628	4.00	672	4.42	706	4.67	758	4.96	785	5.58	810	6.00	840	6.25	887	6.67	916	7.25
13000	624	4.56	668	5.06	703	5.40	751	5.66	777	6.17	800	6.50	830	6.67	879	7.18	914	7.77
14000	622	5.21	666	5.75	701	6.15	750	6.48	772	6.80	796	7.05	824	7.21	877	7.62	911	8.50
15000	620	5.89	665	6.53	700	7.01	748	7.34	770	7.53	795	7.70	823	7.81	875	8.25	910	9.24

FAN PERFORMANCE - 3RTH540																				
External Static Pressure																				
Air Flow (CFM)	0.4		0.6		0.7		0.8		1.0		1.2		1.4		1.6		1.8		2.0	
	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
11500	629	3.73	671	4.25	711	4.51	763	4.79	789	5.37	817	5.80	845	6.10	887	6.53	921	7.09	957	7.70
12000	628	4.00	672	4.42	706	4.67	758	4.96	785	5.58	810	6.00	840	6.25	887	6.67	916	7.25	945	7.88
13000	624	4.56	668	5.06	703	5.40	751	5.66	777	6.17	800	6.50	830	6.67	879	7.18	914	7.77	950	8.41
14000	622	5.21	666	5.75	701	6.15	750	6.48	772	6.80	796	7.05	824	7.21	877	7.62	911	8.50	946	9.48
15000	620	5.89	665	6.53	700	7.01	748	7.34	770	7.53	795	7.70	823	7.81	875	8.25	910	9.24	946	10.36
16000	623	6.46	667	7.08	701	7.56	750	7.85	771	8.30	796	8.45	824	8.60	876	9.10	911	9.89	947	10.75
17000	625	7.09	670	7.77	704	8.29	753	8.61	774	9.11	799	9.27	827	9.43	879	9.98	914	10.85	951	11.79
17500	627	7.40	672	8.11	706	8.66	755	9.00	776	9.51	802	9.69	830	9.86	882	10.43	917	11.34	954	12.32

FAN PERFORMANCE - 3RTH600																				
External Static Pressure																				
Air Flow (CFM)	0.4		0.6		0.7		0.8		1.0		1.2		1.4		1.6		1.8		2.0	
	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
13000	624	4.56	668	5.06	703	5.40	751	5.66	777	6.17	800	6.50	830	6.67	879	7.18	914	7.77	950	8.41
14000	622	5.21	666	5.75	701	6.15	750	6.48	772	6.80	796	7.05	824	7.21	877	7.62	911	8.50	946	9.48
15000	620	5.89	665	6.53	700	7.01	748	7.34	770	7.53	795	7.70	823	7.81	875	8.25	910	9.24	946	10.36
16000	623	6.46	667	7.08	701	7.56	750	7.85	771	8.30	796	8.45	824	8.60	876	9.10	911	9.89	947	10.75
17000	625	7.09	670	7.77	704	8.29	753	8.61	774	9.11	799	9.27	827	9.43	879	9.98	914	10.85	951	11.79
18000	629	7.72	674	8.46	708	9.04	758	9.38	779	9.92	804	10.10	832	10.28	885	10.88	920	11.82	957	12.85
19000	633	8.49	678	9.30	712	9.93	762	10.31	784	10.90	809	11.10	837	11.30	890	11.95	926	12.99	963	14.12
19500	636	8.91	680	9.76	715	10.42	765	10.82	786	11.44	812	11.65	841	11.86	894	12.55	929	13.64	...	...

WIRING DIAGRAMS

WIRING DIAGRAM FOR 30TR/35TR UNITS



WIRING DIAGRAMS

WIRING DIAGRAMS FOR 40TR/45TR/60TR UNITS

POWER SUPPLY

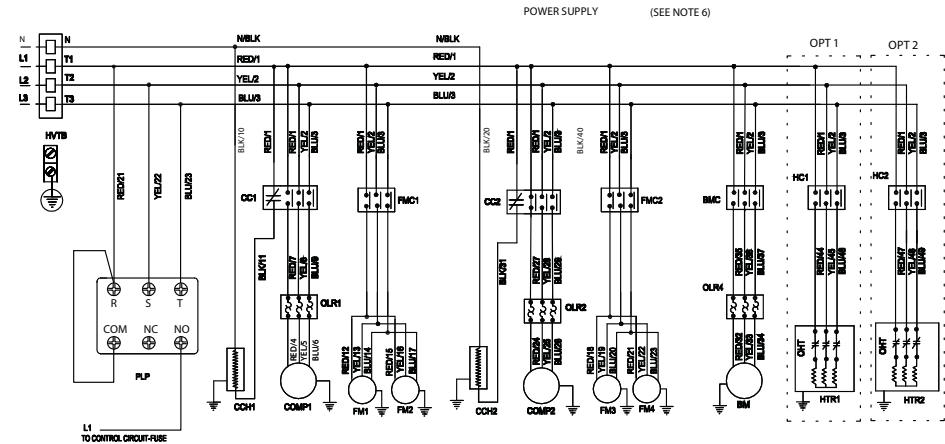
THIS WIRING DIAGRAM SUITS
380-415 VOLTS / 3 PH / 50 HZ WITH NEUTRAL
380-400 VOLTS / 3 PH / 60 HZ WITH NEUTRAL
PL REFER UNIT NAME PLATE FOR YOUR
UNIT'S POWER SUPPLY

WIRING DIAGRAM FOR PACKAGE UNITS

AWAL GULF MANUFACTURING Co. BSC (C)
SITRA, BAHRAIN.

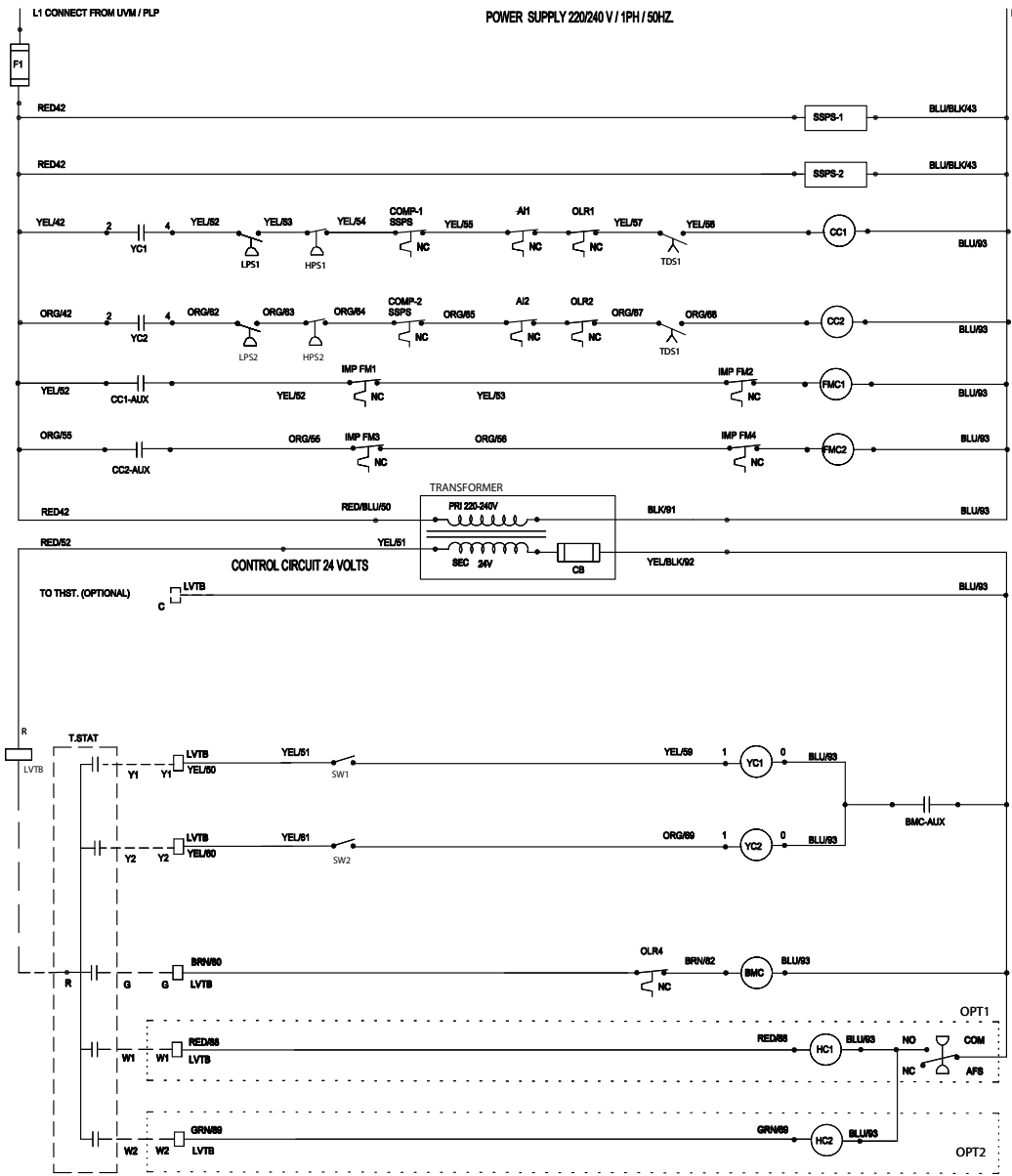
WARNING

THIS UNIT IS BUILT AND WIRED ACCORDING TO COMPANY STANDARDS AND / OR JOB ORDER'S SPECIFICATIONS. ANY UNAUTHORISED CHANGE OR MODIFICATION OR SETTING OF ROOM THERMOSTAT TEMPERATURE BELOW 60 F WILL MAKE WARRANTY NULL & VOID.



LEGEND

- AFS - AIR FLOW SWITCH
- AI - ANTI ICE
- BLK - BLACK
- BLU - BLUE
- BM - BLOWER MOTOR
- BMC - BLOWER MOTOR CONTACTOR
- BRN - BROWN
- CCH - CRANK CASE HEATER
- CB - CIRCUIT BREAKER
- COMP - COMPRESSOR
- F - FUSE
- CC - COMP CONTACTOR
- FM - FAN MOTOR
- FMC - FAN MOTOR CONTACTOR
- HC - HEATER CONTACTOR
- HPS - HIGH PRESSURE SWITCH
- HTR - HEATER
- HVTB - HIGH VOLTAGE TERMINAL BLOCK
- IMP - INTERNAL MOTOR PROTECTION
- L - LINE
- LPS - LOW PRESSURE SWITCH
- LVTB - LOW VOLTAGE TERMINAL BLOCK
- N - NEUTRAL
- NC - NORMALLY CLOSED
- NO - NORMALLY OPEN
- OHT - OVER HEAT THERMOSTAT
- OLR - OVER LOAD RELAY
- OPT - OPTIONAL
- PLP - PHASE LOSS PROTECTION
- PRI - PRIMARY
- RED - RED
- SEC - SECONDARY
- SSPS - SOLID STATE PROTECTIONSYS.
- SW - SWITCH ON/OFF
- TDS - TIME DELAY SWITCH
- TRANS - TRANSFORMER
- T.STAT - THERMOSTAT
- UVM - UNDER VOLTAGE MONITOR
- YC - COOLING RELAY
- YEL - YELLOW
- - - FIELD WIRING
- - TERMINAL / SPLICE
- - - - - OPTIONAL MARKING
- ⊕ - EARTHING



NOTES

- 1) ANY WIRE REPLACEMENT SHOULD BE OF 90°C TYPE OR EQUIVALENT AND COPPER CONDUCTOR ONLY.
- 2) POWER MUST BE SUPPLIED TO CRANK CASE HEATER FOR A MINIMUM OF 12 HOURS PRIOR TO START UP. IF THE POWER SUPPLY HAS BEEN INTERRUPTED FOR LONGER PERIOD THEN AGAIN CRANK CASE HEATER MUST BE ENERGIZED FOR MINIMUM OF 12 HOURS BEFORE STARTING OF COMPRESSOR.
- 3) FUSED DISCONNECT SWITCH OR CIRCUIT BREAKER TO BE PROVIDED BY THE USER WITH RELEVANT RATINGS.
- 4) PLEASE ALLOW 2 TO 3 MINUTES BEFORE STARTING OF COMPRESSOR.
- 5) COMPRESSOR IS PROVIDED WITH INTERNAL OVERLOAD PROTECTION.
- 6) POWER CIRCUIT FOR:
11380-415 V/3PH/50HZ WITH NEUTRAL
21380-400 V/3PH/60HZ WITH NEUTRAL
- 7) REFER INSTRUCTIONS WITH THE COMPONENTS FOR STAR / DELTA CONNECTIONS

OPTIONS

- OPT. 1 - SINGLE STAGE HEATING
- OPT. 2 - TWO STAGE HEATING

WIR.DIA.RTP-2COMP-4FM-STD

C240268

1BC011B03

03

WIRING DIAGRAMS

WIRING DIAGRAM FOR 60TR / 70TR UNITS

POWER SUPPLY

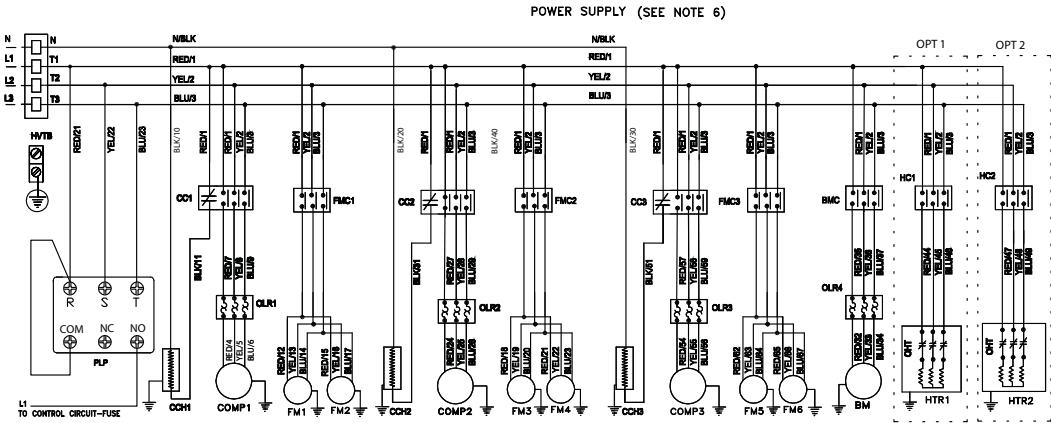
THIS WIRING DIAGRAM SUITS
380-415 VOLTS / 3 PH / 50 HZ WITH NEUTRAL
380-400 VOLTS / 3 PH / 60 HZ WITH NEUTRAL
PL. REFER UNIT NAME PLATE FOR YOUR UNIT'S
POWER SUPPLY

WIRING DIAGRAM FOR PACKAGE UNITS

WARNING

THIS UNIT IS BUILT AND WIRED ACCORDING TO COMPANY STANDARDS AND / OR JOB ORDER'S SPECIFICATIONS. ANY UNAUTHORISED CHANGE OR
MODIFICATION OR SETTING OF ROOM THERMOSTAT TEMPERATURE BELOW 60°F WILL MAKE WARRANTY NULL & VOID.

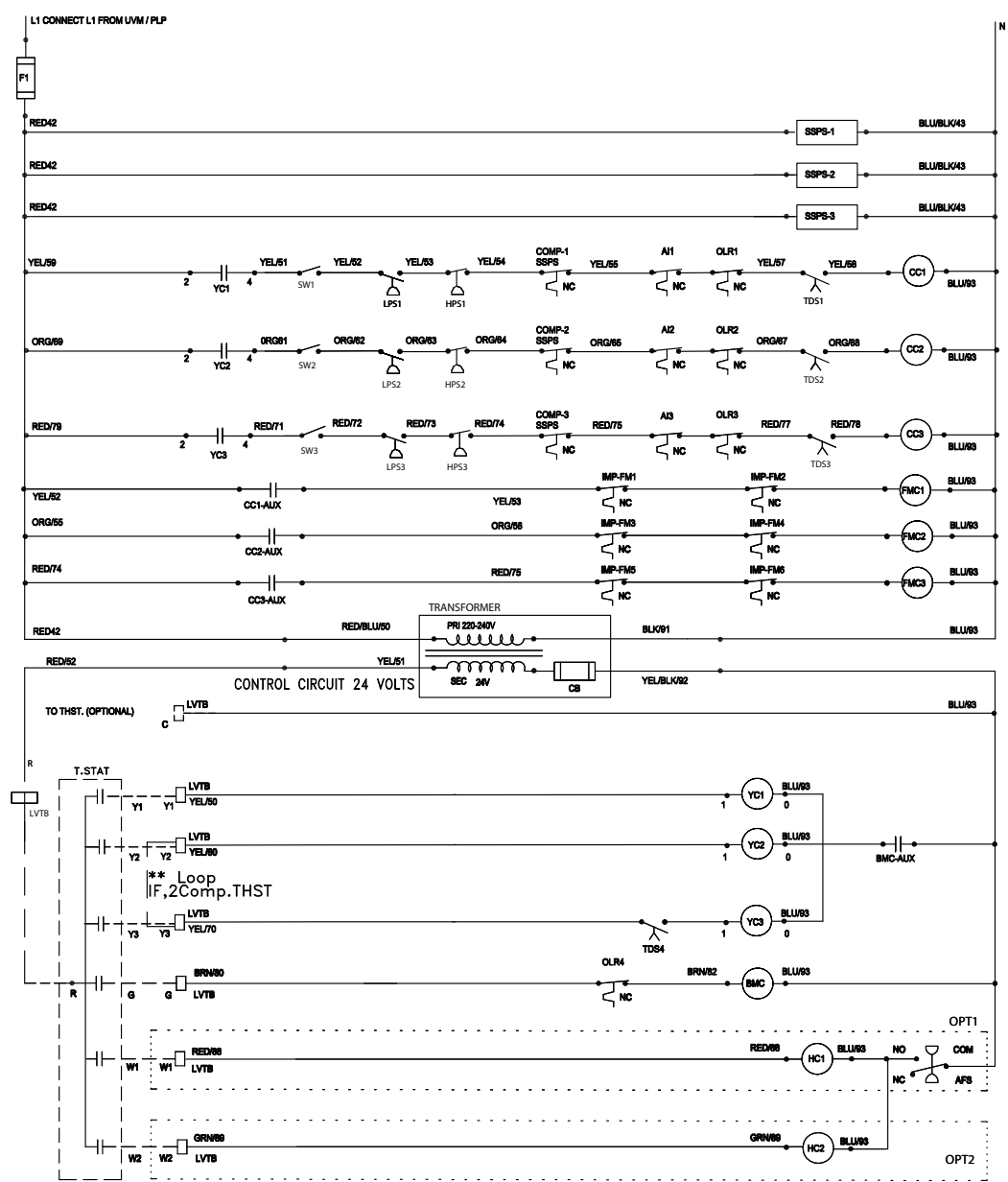
AWAL GULF MANUFACTURING Co. BSC (C)
SITRA, BAHRAIN.



LEGEND

- AFS - AIR FLOW SWITCH
- AI - ANTI ICE
- BLK - BLACK
- BLU - BLUE
- BM - BLOWER MOTOR
- BMC - BLOWER MOTOR CONTACTOR
- BRN - BROWN
- CCH - CRANK CASE HEATER
- CB - CIRCUIT BREAKER
- COMP - COMPRESSOR
- F - FUSE
- CC - COMP CONTACTOR
- FM - FAN MOTOR
- FMC - FAN MOTOR CONTACTOR
- HC - HEATER CONTACTOR
- HPS - HIGH PRESSURE SWITCH
- HTR - HEATER
- HVTB - HIGH VOLTAGE TERMINAL BLOCK
- IMP - INTERNAL MOTOR PROTECTION
- L - LINE
- LPS - LOW PRESSURE SWITCH
- LVTB - LOW VOLTAGE TERMINAL BLOCK
- N - NEUTRAL
- NC - NORMALLY CLOSED
- NO - NORMALLY OPEN
- OHT - OVER HEAT THERMOSTAT
- OLR - OVER LOAD RELAY
- OPT - OPTIONAL
- PLP - PHASE LOSS PROTECTION
- PRI - PRIMARY
- RED - RED
- SEC - SECONDARY
- SSPS - SOLID STATE PROTECTION SYS.
- SW - SWITCH ON/OFF
- TDS - TIME DELAY SWITCH
- TRANS - TRANSFORMER
- T.STAT - THERMOSTAT
- UVM - UNDER VOLTAGE MONITOR
- UV - ULTRA VIOLET LIGHT
- YC - COOLING RELAY
- YEL - YELLOW
- - - - - FIELD WIRING
- - TERMINAL / SPLICE
- - - - - - OPTIONAL MARKING
- ⊕ - EARTHING

POWER SUPPLY 220/240 V / 1PH / 50HZ.



NOTES

- 1) ANY WIRE REPLACEMENT SHOULD BE OF 90°C TYPE OR EQUIVALENT AND COPPER CONDUCTOR ONLY.
- 2) POWER MUST BE SUPPLIED TO CRANK CASE HEATER FOR A MINIMUM OF 12 HOURS PRIOR TO START UP. IF THE POWER SUPPLY HAS BEEN INTERRUPTED FOR LONGER PERIOD THEN AGAIN CRANK CASE HEATER MUST BE ENERGIZED FOR MINIMUM OF 12 HOURS BEFORE STARTING OF COMPRESSOR.
- 3) FUSED DISCONNECT SWITCH OR CIRCUIT BREAKER TO BE PROVIDED BY THE USER WITH RELEVANT RATING.
- 4) PLEASE ALLOW 2 TO 3 MINUTES BEFORE STARTING OF COMPRESSOR.
- 5) COMPRESSOR IS PROVIDED WITH INTERNAL OVERLOAD PROTECTION.
- 6) POWER CIRCUIT FOR:
1) 380-415 V/3PH/50HZ WITH NEUTRAL
2) 380-400 V/3PH/60HZ WITH NEUTRAL
- 7) REFER INSTRUCTIONS WITH THE COMPONENTS FOR STAR / DELTA CONNECTIONS

OPTIONS

- OPT. 1 - SINGLE STAGE HEATING
- OPT. 2 - TWO STAGE HEATING

WIR.DIA.RTP-3COMP-6FM-STD

C240267

1BC011B01

05

WIRING DIAGRAMS

WIRING DIAGRAMS FOR 80TR/90TR UNITS

POWER SUPPLY

THIS WIRING DIAGRAM SUITS

380-415 VOLTS / 3 PH / 50 HZ WITH NEUTRAL
380-400 VOLTS / 3 PH / 60 HZ WITH NEUTRAL
PL. REFER UNIT NAME PLATE FOR YOUR UNIT'S
POWER SUPPLY

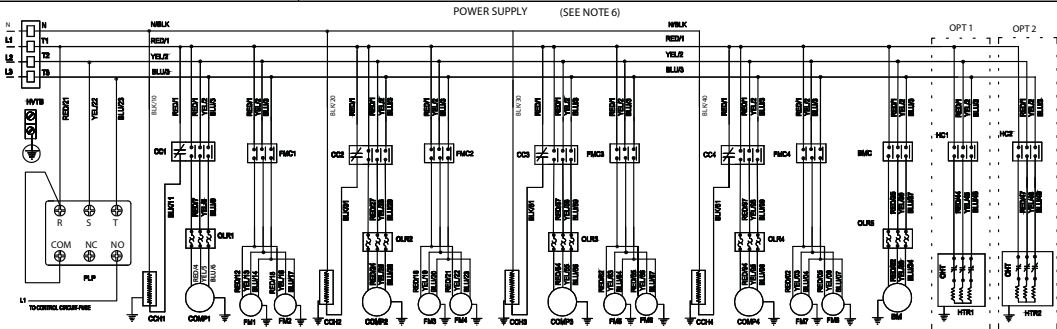
WIRING DIAGRAM FOR PACKAGE UNITS

WARNING

THIS UNIT IS BUILT AND WIRED ACCORDING TO COMPANY STANDARDS AND / OR JOB ORDER'S SPECIFICATIONS.
ANY UNAUTHORISED CHANGE OR MODIFICATION OR SETTING OF ROOM THERMOSTAT TEMPERATURE BELOW 60 F WILL MAKE WARRANTY NULL & VOID.

AWAL GULF MANUFACTURING Co. BSC (C)

SITRA, BAHRAIN.



LEGEND

AFS	- AIR FLOW SWITCH
AI	- ANTI ICE
BLK	- BLACK
BLU	- BLUE
BM	- BLOWER MOTOR
BMC	- BLOWER MOTOR CONTACTOR
BRN	- BROWN
CCH	- CRANK CASE HEATER
CB	- CIRCUIT BREAKER
COMP	- COMPRESSOR
F	- FUSE
CC	- COMP CONTACTOR
FM	- FAN MOTOR
FMC	- FAN MOTOR CONTACTOR
HC	- HEATER CONTACTOR
HPS	- HIGH PRESSURE SWITCH
HTR	- HEATER
HVTB	- HIGH VOLTAGE TERMINAL BLOCK
IMP	- INTERNAL MOTOR PROTECTION
L	- LINE
LPS	- LOW PRESSURE SWITCH
LVTB	- LOW VOLTAGE TERMINAL BLOCK
N	- NEUTRAL
NC	- NORMALLY CLOSED
NO	- NORMALLY OPEN
OHT	- OVER HEAT THERMOSTAT
OLR	- OVER LOAD RELAY
OPT	- OPTIONAL
PLP	- PHASE LOSS PROTECTION
PRI	- PRIMARY
RED	- RED
SEC	- SECONDARY
SSPS	- SOLID STATE PROTECTION SYS.
SW	- SWITCH ON/OFF
TDS	- TIME DELAY SWITCH
TRANS	- TRANSFORMER
T-STAT	- THERMOSTAT
UVM	- UNDER VOLTAGE MONITOR
UV	- ULTRA VIOLET LIGHT
YC	- COOLING RELAY
YEL	- YELLOW
- - -	- FIELD WIRING
•	- TERMINAL / SPICE
- - -	- OPTIONAL MARKING
⊕	- EARTHING

NOTES

- 1) ANY WIRE REPLACEMENT SHOULD BE OF 90°C TYPE OR EQUIVALENT AND COPPER CONDUCTOR ONLY.
- 2) POWER MUST BE SUPPLIED TO CRANK CASE HEATER FOR A MINIMUM OF 12 HOURS PRIOR TO START UP. IF THE POWER SUPPLY HAS BEEN INTERRUPTED FOR LONGER PERIOD THEN AGAIN CRANK CASE HEATER MUST BE ENERGIZED FOR MINIMUM OF 12 HOURS BEFORE STARTING OF COMPRESSOR.
- 3) FUSED DISCONNECT SWITCH OR CIRCUIT BREAKER TO BE PROVIDED BY THE USER WITH RELEVANT RATING.
- 4) PLEASE ALLOW 2 TO 3 MINUTES BEFORE STARTING OF COMPRESSOR.
- 5) COMPRESSOR IS PROVIDED WITH INTERNAL OVERLOAD PROTECTION.
- 6) POWER CIRCUIT FOR:
1) 380-415 V/3PH/50HZ WITH NEUTRAL
2) 380-400 V/3PH/60HZ WITH NEUTRAL
- 7) REFER INSTRUCTIONS WITH THE COMPONENTS FOR STAR / DELTA CONNECTIONS

OPTIONS

- OPT. 1 - SINGLE STAGE HEATING
OPT. 2 - TWO STAGE HEATING

*** - LOOP IF 2COMP.THST

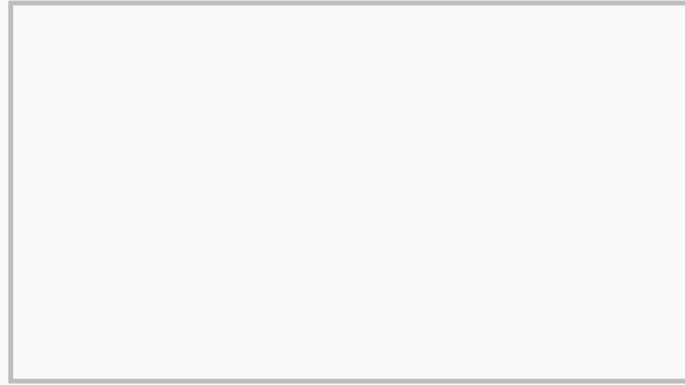
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Authorised Distributors



Approvals*



علامة الجودة الإماراتية
Emirates Quality Mark



IEC System for Conformity Testing & Certification of Electro-technical
Equipment and Components under CB Scheme



AWAL GULF
MANUFACTURING Co. B.S.C. (C)

Post Box 15919, Manama, Kingdom of Bahrain
Tel: 17 738333, Fax: 17 731541 / 17 731529
E-mail: export@awalgulf.com.bh Website: www.awalgulf.com



* Approvals are products-specific. For further details contact: export@awalgulf.com.bh