

COOLEX

Concealed Ducted Split Series Heat Pump/Cooling R410A 18-60 MBH



**Ducted Split with Hermetic Compressor
Tropical**

60 Hz

R410A

For more technical information please visit www.coolex.com.kw



Table of Contents

INTRODUCTION	2
NOMENCLATURE	2
UNIT RATING SUMMARY	3
OUT STANDING FEATURES	4
STANDARD SPECIFICATIONS	5
OPTIONAL SPECIFICATIONS	6
SELECTION PROCEDURE	7
GENERAL DATA	8
PERFORMANCE DATA TABLES	9
UNIT ELECTRICAL DATA	15
SUPPLY AIR PERFORMANCE	16
RECOMMENDED PIPE LENGTH	17
UNIT DIMENSIONS	18
WIRING DIAGRAMS	20
ABOUT RIC	25
COOLEX DISTRIBUTORS	26

OTHER COOLEX PRODUCTS

- 1. Air Cooled Screw Water Chillers**
- 2. Air Cooled Scroll Water Chillers**
- 3. Commercial Packaged Units**
- 4. Residential Packaged Units**
- 5. Air Handling Units**
- 6. Ducted Split Units**
- 7. Fan Coil Units**

INTRODUCTION

COOLEX High Efficiency UL listed Concealed Ducted Split Units are designed specifically for tropical operation with high performance, low power consumption, easy installation and low noise operations.

COOLEX Concealed Ducted Split Units can be used for cooling or heating with optional duct electric heater.

NOMENCLATURE

CHC H F 030 A 3

Unit Series Description	
CHC	Concealed High Efficiency Condenser
CHE	Concealed High Efficiency Evaporator

Application	
Omitted	: Cooling Only
H	: Cooling & Heat Pump

Refrigerant	
F	: R410A

Cooling Capacity Nominal MBH		
18	-	24
30	-	36
42	-	48
60	-	

Electrical Specifications	
CODE	DESCRIPTION
3	208/230V - 1 ph - 60 Hz
8	*208/230V - 3 ph - 60 Hz
9	*380V - 3 ph - 60 Hz
10	*460V - 3 ph - 60 Hz

CODE	DESCRIPTION
A	First Series
B	Second Series
C	Third Series

Note: * Applicable for CHCF/CHCHF-036 to 060 only

UNIT RATING SUMMARY

Model	Air Flow (MAX) (CFM)	Ambient temp. [95°F]			Ambient temp. [115°F]			Ambient temp. [118.4°F]		
		Cooling Capacity (MBH)	Total Power (kW)	EER	Cooling Capacity (MBH)	Total Power (kW)	EER	Cooling Capacity (MBH)	Total Power (kW)	EER
CHCF/CHEF-018 A	600	17.45	1.43	12.20	15.00	1.71	8.77	14.55	1.75	8.31
CHCF/CHEF-024 A	900	27.00	2.25	12.00	23.00	2.65	8.68	22.32	2.66	8.39
CHCF/CHEF-030 A	1,000	31.80	2.60	12.25	27.00	3.10	8.71	26.18	3.19	8.21
CHCF/CHEF-036 A	1,250	41.00	3.40	12.05	36.00	4.10	8.78	34.94	4.19	8.34
CHCF/CHEF-042 A	1,400	44.00	3.62	12.15	37.60	4.32	8.70	36.39	4.40	8.27
CHCF/CHEF-048 A	1,550	48.60	4.00	12.15	43.00	4.95	8.69	42.07	5.05	8.33
CHCF/CHEF-060 A	1,800	59.40	4.95	12.00	52.40	5.94	8.82	51.25	6.11	8.39

CHCHF/CHEHF-018 A	600	17.61	1.43	12.32	15.54	1.78	8.73	15.08	1.82	8.28
CHCHF/CHEHF-024 A	900	27.40	2.25	12.20	23.60	2.72	8.68	23.13	2.76	8.38
CHCHF/CHEHF-030 A	1,000	31.60	2.58	12.25	28.00	3.13	8.96	27.17	3.23	8.41
CHCHF/CHEHF-036 A	1,250	41.00	3.37	12.15	35.80	4.10	8.73	34.69	4.24	8.18
CHCHF/CHEHF-042 A	1,400	44.00	3.62	12.15	37.40	4.28	8.74	36.20	4.38	8.26
CHCHF/CHEHF-048 A	1,550	48.40	3.98	12.15	42.80	4.90	8.73	41.44	5.01	8.27
CHCHF/CHEHF-060 A	1,800	59.60	4.93	12.10	52.60	5.98	8.80	50.95	6.12	8.32

Model	Air Flow (MAX) (CFM)	Ambient temp. [44°F]		
		Cooling Capacity (MBH)	Total Power (kW)	EER
CHCHF/CHEHF-018 A	600	17.61	1.45	12.14
CHCHF/CHEHF-024 A	900	27.64	2.28	12.11
CHCHF/CHEHF-030 A	1,000	32.07	2.61	12.28
CHCHF/CHEHF-036 A	1,250	41.80	3.45	12.11
CHCHF/CHEHF-042 A	1,400	44.70	3.69	12.11
CHCHF/CHEHF-048 A	1,550	48.45	4.00	12.11
CHCHF/CHEHF-060 A	1,800	60.05	4.96	12.11

Rating Conditions (Cooling): Indoor Temperature = 80 °F (26.7 °C) DB. 67°F (19.4°C) WB.

Rating Conditions (Heating): Indoor Temperature = 20 °F (7 °C) DB. 15°F (6°C) WB.

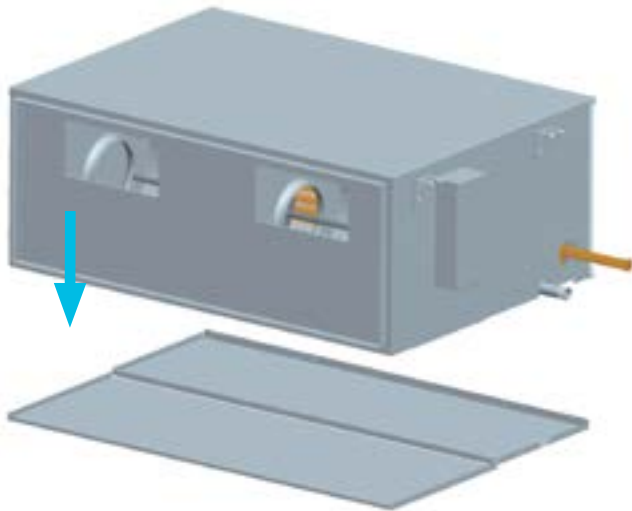
OUT STANDING FEATURES

Indoor Unit

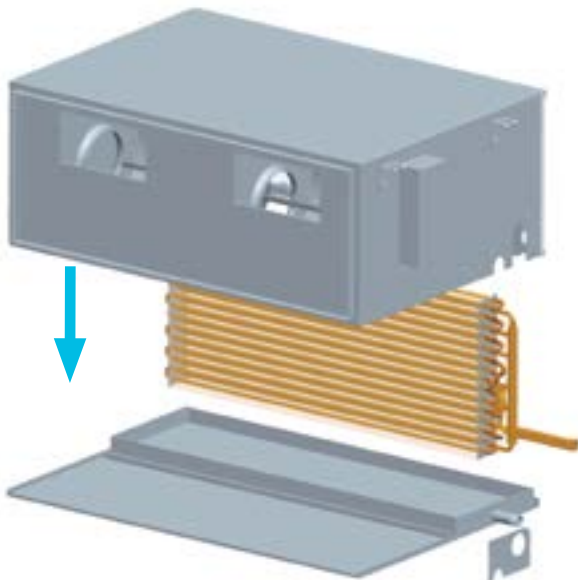
- Compact design
- Low profile
- Low sound power level
- For ducted application
- 3 speed motors
- Easy maintenance
- Easy installation
- External terminal box

Outdoor Unit:

- High efficiency tropical design
- High Efficiency Scroll Compressor
- Galvanized heavy gauge panels, oven baked powder coated
- Designed to operate at severe ambient temperature up to 52°C without tripping
- Coil guard protection
- External service valve with gauge ports



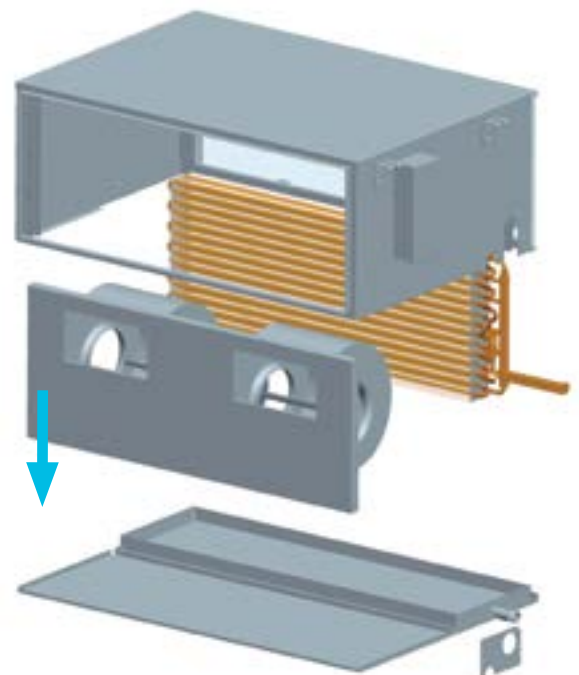
Bottom access panel



Bottom sliding coil and drain pan

Options & Accessories

- Wired Microprocessor controller
- Wired digital thermostat
- Wireless remote controller
- Cleanable air filter



Bottom sliding fan deck

STANDARD SPECIFICATIONS (OUTDOOR UNIT) & (INDOOR UNIT)

General

The side discharge condensing units (SASO Approved products) are provided with the latest advanced technology to provide quiet, reliable performance. The wrap around coil adds aesthetical appeal and gives optimum heat transfer efficiency. The access panels provide access to the compressor and to the control box. Removal of top panel gives access to fan motor and coil.

Unit Construction

The indoor unit consists of a coil, motor/blower assembly and a drain pan securely mounted on heavy gauge galvanized steel housing.

Condenser Coils

The coils are built up of ripple finned seamless copper tubes and mechanically bonded to scientifically designed louvered fins. The assembled coils are factory leak tested under water at a pressure of 700 [psig] for quality and leak free unit.

Condenser Fans

Axial type condenser fan are used which precisely match with extra strong fan motor to ensure efficient hot air dissipation.

Condenser Fan Motor

The condenser fan motors are a 4/6 poles electric motor which directly drive the condenser fans conforming to BS/IES standards. They are totally enclosed air over type electric motors with built-in thermal protector class F insulation.

Unit Casing

The casing sheet metal is fabricated from hot dipped G90, Zinc coating and zero spangle galvanized steel, oven-baked powder coated.

Compressor

The compressors are hermetically sealed type. The compressors are equipped with internal motor protector and necessary accessories for safe operation.

Evaporator Coils

The coils are built up of ripple finned seamless copper tubes and mechanically bonded to scientifically designed louvered fins. The assembled coils are factory leak tested under water at a pressure of 350 psig for quality and leak free units.

Blower Assembly

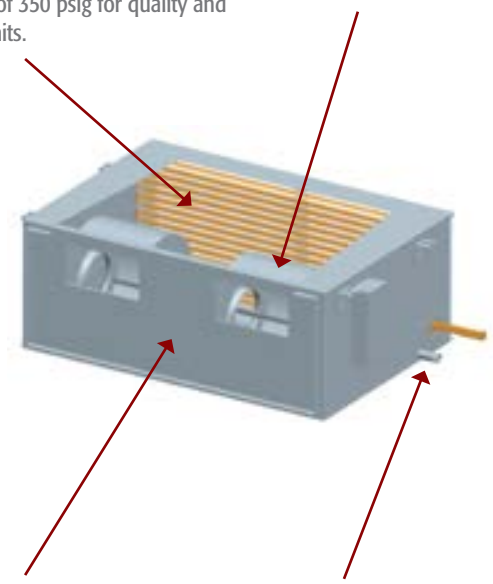
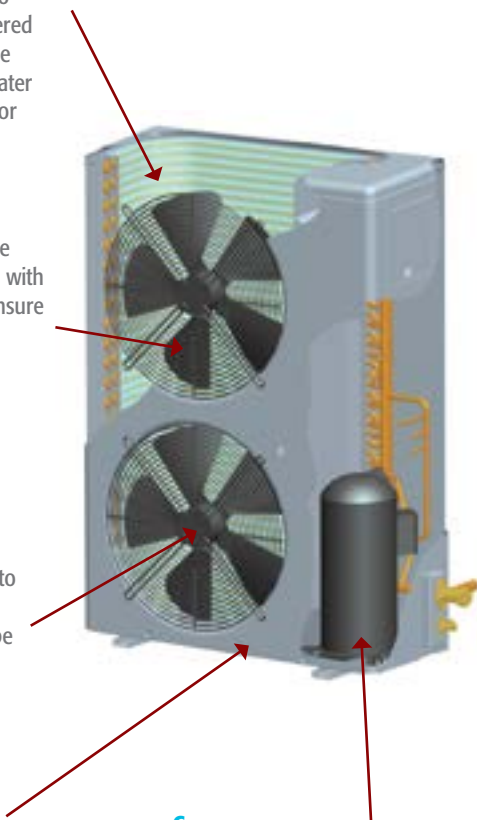
The units are provided with centrifugal fans which are statically and dynamically balanced, designed for low sound level operation

Evaporator Blower Motor

The evaporator blower motor is directly drives the evaporator blower conforming to BS/IES standards it is open drip proof type electric motors with built-in thermal protector and permanently lubricated ball bearings class B insulation.

Drain Pan

The drain pan is fabricated from galvanized steel. The drain pan is powder coat painted and the outer surface is thermally insulated.



OPTIONAL SPECIFICATIONS

Duct Electric Heater

A protection box with duct electric heater and safety control can also be provided. Maximum kW Ratings is as shown

Model	kW	Model	kW
CHEF-018	1.5	CHEF-042	4.0
CHEF-024	2.0	CHEF-048	5.0
CHEF-030	3.0	CHEF-060	5.0
CHEF-036	3.0		

MICROPROCESSOR BASED CONTROLLER

Display:

- Room temperature/set temperature display in °C or °F
- Mode of operation (Cool/Heat/Dry/Fan system control)
- Error Codes



SELECTION PROCEDURE

The below example illustrates the selection procedure to assist using this catalog to select the appropriate CHEF/CHCF unit that meets the design requirements.

Example :

Design requirements

- Total cooling capacity 26000 [Btu/hr]
- Sensible cooling capacity 16500 [Btu/hr]
- Design ambient temperature 115 [°F]
- Evaporator air flow 900 [CFM]
- Evaporator entering temperature DB/WB 80/67 [°F/°F]
- External static pressure 0.2 [in.wg]
- Altitude 3000 [ft]
- Power supply 380V / 3Ph / 60Hz

Altitude [ft]	Correction factor
Sea level	1
1000	0.996
2000	0.990
3000	0.984
4000	0.980
5000	0.974
6000	0.965
7000	0.960

*Using the correction factor table at the specified altitude, thereby the required capacity will be:

Corrected capacity = Required capacity / corr. factor

Corrected total capacity = 26,000 [Btu/hr]/0.984
= 26,423 [Btu/hr]

Corrected sensible capacity = 16,500 [Btu/hr]/0.984
= 16,768 [Btu/hr]

From the cooling capacity at performance data tables (page 9), the closest selection model to the required Capacity is CHEF/CHCF-030:

Total capacity = 26,620 [Btu/hr]

Sensible capacity = 18,671 [Btu/hr]

GENERAL DATA

Outdoor Units		CHCF/ CHCHF 018	CHCF/ CHCHF 024	CHCF/ CHCHF 030	CHCF/ CHCHF 036	CHCF/ CHCHF 042	CHCF/ CHCHF 048	CHCF/ CHCHF 060
Compressor	Type	Rotary	Hermetic Scroll					
	Quantity	1	1	1	1	1	1	1
	Refrigerant	R410A						
Condenser Fan	Type	Propeller						
	Quantity	1	1	1	1	2	2	2
	Airflow, m ³ /h	3000	3300	3600	4500	9000	9000	9000
	(CFM)	1765	1940	2120	2650	5300	5300	5300
	Drive	Direct Driven						
Condenser Coil	Type	Pre-coated Enhanced Aluminum Fins and Inner Grooved Tubes						
	Row Deep	2	2	2	2	2	2	2
	FPI	12	13	13	13	13	13	13
	Total Area, Sq.m	0.46	0.56	0.56	0.83	0.95	0.95	0.95
	(Sq.Ft)	4.8	6.0	6.0	8.9	10.2	10.2	10.2
Weight	kg	45	55	61	76	101	104	106

Indoor Units		CHEF/ CHEHF 018	CHEF/ CHEHF 024	CHEF/ CHEHF 030	CHEF/ CHEHF 036	CHEF/ CHEHF 042	CHEF/ CHEHF 048	CHEF/ CHEHF 060
Evaporator Blower	Type	Centrifugal Forward Curve DWDI						
	Airflow, m ³ /h	1020	1,530	1,700	2125	2380	2,635	3,060
	(CFM)	600	900	1000	1250	1400	1550	1800
	Drive	Direct						
Evaporator Coil	Type	Pre-coated Enhanced Aluminum Fins and Inner Grooved Tubes						
	Row Deep	3	3	3	3	3	3	3
	FPI	16	14	14	14	14	11	11
	Total Area, Sq.m	0.25	0.32	0.32	0.32	0.42	0.42	0.42
	(Sq.Ft)	2.7	3.4	3.4	3.4	4.5	4.5	4.5
Expansion Devices		Capillary	Thermostatic Expansion Valve					
Weight	kg	38	52	52	61	61	61	61

PERFORMANCE DATA TABLES

Model	Air On Evaporator			Condenser Ambient Temperature											
	Air Flow CFM	Temp ° F		95° F			115° F			118.4° F			125° F		
		DB	WB	Capacity Btu/Hr		kw Input	Capacity Btu/Hr		kw Input	Capacity Btu/Hr		kw Input	Capacity Btu/Hr		kw Input
				Total	Sen.		Total	Sen.		Total	Sen.		Total	Sen.	
CHCF-018 A/CHEF-018 A	500	86	72	17,857	12,127	1.46	15,350	12,410	1.75	14,966	12,038	1.79	14,623	10,677	1.80
		80	67	16,862	11,843	1.42	14,494	12,119	1.70	14,060	11,763	1.74	13,808	10,426	1.75
		74	62	15,209	11,512	1.38	13,074	11,780	1.65	12,786	11,309	1.69	12,455	10,134	1.70
		68	57	13,978	11,133	1.35	12,016	11,392	1.61	11,775	11,051	1.65	11,447	9,801	1.66
	550	86	72	18,165	12,847	1.47	15,615	13,147	1.75	15,225	12,752	1.80	14,876	11,310	1.80
		80	67	17,153	12,546	1.42	14,745	12,838	1.70	14,303	12,461	1.75	14,047	11,045	1.75
		74	62	15,472	12,194	1.39	13,300	12,479	1.66	13,007	11,980	1.70	12,670	10,736	1.71
		68	57	14,220	11,793	1.36	12,224	12,068	1.62	11,979	11,706	1.65	11,645	10,382	1.67
	600	86	72	18,480	13,609	1.47	15,885	13,926	1.76	15,488	13,509	1.80	15,133	11,981	1.81
		80	67	17,450	13,290	1.43	15,000	13,600	1.71	14,550	13,200	1.75	14,290	11,700	1.76
		74	62	15,740	12,918	1.39	13,530	13,219	1.67	13,232	12,690	1.70	12,890	11,372	1.71
		68	57	14,466	12,493	1.36	12,435	12,784	1.63	12,186	12,400	1.66	11,846	10,998	1.68
CHCF-024 A/CHEF-024 A	725	86	72	29,248	17,830	2.32	24,910	17,107	2.68	24,168	16,984	2.74	22,958	16,305	2.91
		80	67	26,276	16,441	2.22	22,379	15,775	2.56	21,712	15,661	2.62	20,625	15,035	2.78
		74	62	23,160	14,884	2.09	19,725	14,281	2.42	19,138	14,178	2.47	18,180	13,611	2.62
		68	57	20,126	13,298	2.04	17,141	12,760	2.32	16,630	12,668	2.36	15,797	12,161	2.52
	750	86	72	29,636	18,119	2.37	25,241	17,385	2.74	24,489	17,260	2.80	23,263	16,570	2.97
		80	67	26,625	16,766	2.23	22,676	16,087	2.57	22,001	15,971	2.63	20,899	15,332	2.79
		74	62	23,466	15,193	2.12	19,986	14,577	2.45	19,390	14,473	2.51	18,419	13,894	2.66
		68	57	20,393	13,522	2.03	17,369	12,974	2.34	16,851	12,881	2.39	16,007	12,366	2.53
	900	86	72	30,051	18,476	2.39	25,594	17,728	2.76	24,832	17,600	2.83	23,589	16,896	3.00
		80	67	27,000	17,079	2.25	23,000	16,392	2.65	22,320	16,275	2.66	21,204	15,624	2.82
		74	62	23,794	15,456	2.14	20,265	14,830	2.47	19,661	14,724	2.53	18,677	14,135	2.68
		68	57	20,680	13,813	2.05	17,613	13,253	2.36	17,088	13,158	2.41	16,232	12,632	2.56
CHCF-030 A/CHEF-030 A	800	86	72	34,448	19,118	2.68	29,242	19,855	3.20	28,353	19,980	3.28	26,933	19,181	3.48
		80	67	30,947	17,629	2.56	26,271	18,309	3.05	25,471	18,424	3.14	24,196	17,687	3.32
		74	62	27,277	15,959	2.42	23,156	16,575	2.88	22,451	16,679	2.96	21,327	16,012	3.14
		68	57	23,704	14,259	2.35	20,122	14,809	2.77	19,509	14,902	2.82	18,532	14,307	3.01
	900	86	72	34,904	19,428	2.74	29,630	20,178	3.26	28,728	20,305	3.35	27,290	19,493	3.55
		80	67	31,358	17,978	2.57	26,620	18,671	3.07	25,809	18,788	3.15	24,517	18,037	3.34
		74	62	27,638	16,291	2.45	23,461	16,919	2.92	22,747	17,026	3.00	21,608	16,345	3.18
		68	57	24,019	14,499	2.34	20,389	15,059	2.79	19,768	15,153	2.86	18,778	14,547	3.03
	1000	86	72	35,393	19,811	2.76	30,046	20,575	3.29	29,131	20,705	3.39	27,672	19,877	3.59
		80	67	31,800	18,313	2.60	27,000	19,025	3.10	26,184	19,146	3.19	24,875	18,380	3.38
		74	62	28,024	16,573	2.47	23,789	17,213	2.95	23,065	17,321	3.03	21,910	16,628	3.21
		68	57	24,356	14,811	2.36	20,676	15,382	2.81	20,046	15,479	2.89	19,042	14,860	3.06

Note: Capacity in KW= (Btu/hr)*0.0003. Cooling capacities are gross ratings
Power Input is Total Power (kW)

PERFORMANCE DATA TABLES

Model	Air On Evaporator			Condenser Ambient Temperature											
	Air Flow CFM	Temp ° F		95° F			115° F			118.4° F			125° F		
		DB	WB	Capacity Btu/Hr		kw Input	Capacity Btu/Hr		kw Input	Capacity Btu/Hr		kw Input	Capacity Btu/Hr		kw Input
				Total	Sen.		Total	Sen.		Total	Sen.		Total	Sen.	
CHCF-036 A/CHEF-036 A	1000	86	72	44,414	29,393	3.51	38,990	25,631	4.23	37,829	25,755	4.32	35,935	24,725	4.58
		80	67	39,900	27,103	3.35	35,028	24,471	4.04	33,985	23,749	4.13	32,283	22,799	4.38
		74	62	35,169	24,537	3.16	30,874	23,124	3.81	29,955	21,500	3.90	28,455	20,641	4.14
		68	57	30,561	21,923	3.08	26,829	22,182	3.66	26,030	19,210	3.72	24,726	18,442	3.97
	1100	86	72	45,002	29,870	3.58	39,507	26,163	4.32	38,330	26,173	4.41	36,411	25,127	4.68
		80	67	40,430	27,639	3.37	35,493	24,617	4.06	34,436	24,219	4.15	32,712	23,251	4.40
		74	62	35,633	25,046	3.20	31,282	23,426	3.86	30,350	21,947	3.95	28,830	21,069	4.19
		68	57	30,967	22,292	3.06	27,186	22,334	3.68	26,376	19,533	3.76	25,055	18,752	3.99
	1250	86	72	45,633	30,459	3.61	40,061	26,420	4.36	38,868	26,689	4.46	36,921	25,622	4.72
		80	67	41,000	28,155	3.40	36,000	24,857	4.14	34,936	24,680	4.19	33,189	23,693	4.45
		74	62	36,131	25,480	3.23	31,719	23,651	3.90	30,774	22,327	3.99	29,233	21,434	4.23
		68	57	31,402	22,771	3.09	27,568	22,548	3.72	26,746	19,953	3.80	25,407	19,155	4.03
CHCF-042 A/CHEF-042 A	1150	86	72	47,663	28,381	3.74	40,615	29,394	4.43	39,405	29,183	4.54	37,432	28,016	4.81
		80	67	42,820	26,170	3.57	36,487	27,104	4.23	35,401	26,909	4.33	33,628	25,833	4.59
		74	62	37,742	23,692	3.37	32,161	24,538	4.00	31,203	24,361	4.09	29,641	23,387	4.34
		68	57	32,798	21,168	3.28	27,947	21,924	3.84	27,115	21,766	3.90	25,757	20,896	4.16
	1260	86	72	48,295	28,842	3.82	41,153	29,871	4.53	39,928	29,656	4.63	37,928	28,471	4.91
		80	67	43,389	26,688	3.59	36,972	27,641	4.26	35,871	27,442	4.36	34,075	26,345	4.62
		74	62	38,241	24,184	3.42	32,585	25,047	4.05	31,615	24,867	4.15	30,032	23,873	4.39
		68	57	33,233	21,524	3.26	28,318	22,293	3.86	27,475	22,133	3.95	26,099	21,248	4.19
	1400	86	72	48,972	29,410	3.85	41,730	30,460	4.57	40,487	30,241	4.67	38,460	29,032	4.96
		80	67	44,000	27,186	3.62	37,600	28,165	4.32	36,391	27,964	4.40	34,572	26,846	4.66
		74	62	38,775	24,603	3.45	33,041	25,482	4.09	32,057	25,299	4.19	30,451	24,287	4.44
		68	57	33,700	21,987	3.30	28,716	22,772	3.90	27,861	22,608	3.99	26,465	21,704	4.23
CHCF-048 A/CHEF-048 A	1325	86	72	52,538	34,200	4.12	46,571	34,358	5.05	45,549	34,384	5.21	43,268	33,009	5.52
		80	67	47,199	31,536	3.94	41,839	31,681	4.82	40,920	31,705	4.97	38,871	30,437	5.27
		74	62	41,602	28,550	3.72	36,878	28,681	4.56	36,068	28,703	4.70	34,262	27,556	4.98
		68	57	36,152	25,508	3.62	32,046	25,626	4.37	31,342	25,645	4.48	29,772	24,620	4.78
	1450	86	72	53,234	34,755	4.21	47,189	34,915	5.16	46,153	34,942	5.32	43,841	33,545	5.64
		80	67	47,826	32,160	3.96	42,394	32,308	4.85	41,463	32,332	5.00	39,387	31,040	5.30
		74	62	42,152	29,142	3.77	37,365	29,277	4.62	36,544	29,299	4.76	34,714	28,128	5.05
		68	57	36,632	25,938	3.60	32,472	26,057	4.40	31,758	26,077	4.54	30,168	25,034	4.81
	1550	86	72	53,980	35,440	4.25	47,850	35,604	5.21	46,800	35,631	5.37	44,456	34,206	5.69
		80	67	48,600	32,760	4.00	43,000	32,921	4.95	42,065	32,948	5.05	39,962	31,630	5.36
		74	62	42,741	29,648	3.81	37,887	29,785	4.66	37,054	29,807	4.81	35,199	28,615	5.10
		68	57	37,147	26,495	3.64	32,928	26,617	4.44	32,204	26,638	4.58	30,592	25,572	4.86

Note: Capacity in KW= (Btu/hr)*0.0003. Cooling capacities are gross ratings
Power Input is Total Power (kW)

PERFORMANCE DATA TABLES

Model	Air On Evaporator			Condenser Ambient Temperature											
	Air Flow		Temp ° F	95° F			115° F			118.4° F			125° F		
	CFM	DB	WB	Capacity Btu/Hr		kw Input	Capacity Btu/Hr		kw Input	Capacity Btu/Hr		kw Input	Capacity Btu/Hr		kw Input
				Total	Sen.		Total	Sen.		Total	Sen.		Total	Sen.	
CHCF-060 A/CHEF-060 A	1600	86	72	64,237	42,995	5.10	56,775	42,019	6.13	55,496	41,852	6.30	52,717	40,179	6.68
		80	67	57,710	39,646	4.87	51,005	38,746	5.85	49,856	38,592	6.02	47,360	37,049	6.38
		74	62	50,866	35,892	4.60	44,958	35,077	5.53	43,945	34,938	5.69	41,744	33,541	6.03
		68	57	44,202	32,068	4.48	39,067	31,340	5.30	38,187	31,216	5.42	36,274	29,968	5.78
	1700	86	72	65,089	43,693	5.21	57,527	42,701	6.26	56,232	42,532	6.43	53,416	40,831	6.82
		80	67	58,476	40,431	4.90	51,683	39,513	5.89	50,518	39,356	6.05	47,989	37,782	6.42
		74	62	51,538	36,637	4.67	45,551	35,805	5.60	44,525	35,663	5.76	42,295	34,238	6.11
		68	57	44,789	32,608	4.46	39,586	31,868	5.34	38,694	31,742	5.49	36,756	30,472	5.82
	1800	86	72	66,001	44,555	5.26	58,334	43,543	6.32	57,020	43,370	6.50	54,164	41,636	6.89
		80	67	59,400	41,185	4.95	52,400	40,262	5.94	51,252	40,105	6.11	48,689	38,501	6.48
		74	62	52,258	37,272	4.71	46,187	36,426	5.65	45,147	36,282	5.82	42,886	34,831	6.16
		68	57	45,419	33,309	4.50	40,142	32,553	5.39	39,238	32,424	5.54	37,272	31,127	5.88

LEGEND:

- CFM : Air flow rate (Ft³/minute)
- DB : Dry bulb temperature (°F)
- WB : Wet bulb temperature (°F)
- P.I : Power input is Total Power Input (kW)

Note: Capacity in KW= (Btu/hr)*0.0003. Cooling capacities are gross ratings
Power Input is Total Power (kW)

PERFORMANCE DATA TABLES

Model	Air On Evaporator			Condenser Ambient Temperature											
	Air Flow CFM	Temp ° F		95° F			115° F			118.4° F			125° F		
		DB	WB	Capacity Btu/Hr		kw Input	Capacity Btu/Hr		kw Input	Capacity Btu/Hr		kw Input	Capacity Btu/Hr		kw Input
				Total	Sen.		Total	Sen.		Total	Sen.		Total	Sen.	
CHCHF-018 A/CHEHF -018 A	500	86	72	18,022	12,080	1.46	15,903	12,409	1.81	15,506	12,037	1.86	15,151	10,675	1.87
		80	67	17,018	11,797	1.42	15,017	12,118	1.76	14,567	11,762	1.81	14,307	10,425	1.81
		74	62	15,350	11,466	1.38	13,546	11,779	1.72	13,248	11,308	1.76	12,905	10,133	1.77
		68	57	14,108	11,089	1.35	12,449	11,391	1.68	12,200	11,049	1.71	11,860	9,800	1.73
	550	86	72	18,334	12,796	1.47	16,178	13,145	1.82	15,774	12,751	1.87	15,413	11,309	1.87
		80	67	17,312	12,497	1.42	15,277	12,837	1.77	14,819	12,459	1.81	14,554	11,044	1.82
		74	62	15,616	12,147	1.39	13,780	12,478	1.72	13,477	11,978	1.76	13,128	10,734	1.77
		68	57	14,352	11,747	1.36	12,665	12,067	1.68	12,411	11,705	1.72	12,065	10,381	1.73
	600	86	72	18,651	13,556	1.47	16,458	13,925	1.83	16,047	13,507	1.87	15,679	11,979	1.88
		80	67	17,612	13,238	1.43	15,541	13,598	1.78	15,075	13,199	1.82	14,806	11,699	1.83
		74	62	15,886	12,867	1.39	14,018	13,218	1.73	13,710	12,689	1.77	13,355	11,371	1.78
		68	57	14,600	12,444	1.36	12,884	12,783	1.69	12,626	12,399	1.72	12,274	10,997	1.74
CHCHF-024 A/CHEHF-024 A	725	86	72	29,519	17,760	2.32	25,809	17,105	2.78	25,041	16,982	2.85	23,787	16,303	3.02
		80	67	26,519	16,376	2.22	23,186	15,773	2.66	22,496	15,659	2.72	21,369	15,033	2.88
		74	62	23,375	14,826	2.09	20,437	14,279	2.51	19,829	14,177	2.57	18,836	13,610	2.72
		68	57	20,312	13,246	2.04	17,759	12,758	2.41	17,230	12,666	2.45	16,368	12,160	2.61
	750	86	72	29,910	18,048	2.37	26,151	17,383	2.84	25,373	17,258	2.91	24,102	16,568	3.08
		80	67	26,871	16,700	2.23	23,494	16,085	2.67	22,795	15,969	2.74	21,653	15,331	2.90
		74	62	23,683	15,133	2.12	20,707	14,576	2.54	20,090	14,471	2.60	19,084	13,892	2.76
		68	57	20,582	13,469	2.03	17,995	12,973	2.43	17,459	12,880	2.48	16,585	12,365	2.63
	900	86	72	30,329	18,404	2.39	26,518	17,726	2.87	25,728	17,598	2.94	24,440	16,894	3.11
		80	67	27,400	17,012	2.25	23,600	16,390	2.72	23,125	16,273	2.76	21,969	15,622	2.93
		74	62	24,014	15,396	2.14	20,996	14,829	2.57	20,371	14,722	2.63	19,351	14,133	2.79
		68	57	20,871	13,759	2.05	18,248	13,252	2.45	17,705	13,156	2.50	16,818	12,630	2.66
CHCHF-030 A/CHEHF-030 A	800	86	72	34,123	19,048	2.66	30,326	19,944	3.26	29,423	19,801	3.33	27,949	19,009	3.53
		80	67	30,655	17,564	2.54	27,244	18,390	3.11	26,433	18,258	3.18	25,109	17,528	3.37
		74	62	27,020	15,901	2.40	24,013	16,649	2.94	23,298	16,529	3.01	22,132	15,868	3.19
		68	57	23,480	14,207	2.33	20,867	14,875	2.82	20,246	14,768	2.86	19,232	14,178	3.06
	900	86	72	34,575	19,357	2.71	30,728	20,268	3.32	29,813	20,122	3.40	28,320	19,317	3.61
		80	67	31,062	17,912	2.55	27,606	18,754	3.13	26,783	18,619	3.20	25,442	17,875	3.39
		74	62	27,377	16,231	2.43	24,330	16,995	2.98	23,606	16,872	3.05	22,424	16,198	3.23
		68	57	23,792	14,446	2.32	21,144	15,126	2.84	20,515	15,017	2.90	19,487	14,417	3.08
	1000	86	72	35,059	19,739	2.74	31,158	20,667	3.36	30,231	20,519	3.43	28,717	19,698	3.64
		80	67	31,600	18,246	2.58	28,000	19,110	3.13	27,172	18,974	3.23	25,814	18,215	3.43
		74	62	27,759	16,513	2.45	24,670	17,289	3.01	23,936	17,165	3.07	22,737	16,479	3.26
		68	57	24,126	14,757	2.34	21,441	15,451	2.87	20,803	15,340	2.93	19,761	14,726	3.11

Note: Capacity in KW= (Btu/hr)*0.0003. Cooling & Heating capacities are gross ratings
Power Input is Total Power (kW)

PERFORMANCE DATA TABLES

Model	Air On Evaporator			Condenser Ambient Temperature											
	Air Flow CFM	Temp ° F		95° F			115° F			118.4° F			125° F		
		DB	WB	Capacity Btu/Hr		kw Input	Capacity Btu/Hr		kw Input	Capacity Btu/Hr		kw Input	Capacity Btu/Hr		kw Input
				Total	Sen.		Total	Sen.		Total	Sen.		Total	Sen.	
CHCHF-036 A/CHEHF-036 A	1000	86	72	44,305	29,329	3.66	38,719	25,802	4.13	37,566	25,616	4.23	35,685	24,592	4.50
		80	67	39,803	27,044	3.29	34,785	23,792	3.71	33,749	23,621	3.80	32,059	22,676	4.05
		74	62	35,083	24,483	2.90	30,660	21,539	3.27	29,747	21,384	3.35	28,257	20,529	3.57
		68	57	30,487	21,875	2.52	26,643	19,245	2.80	25,849	19,106	2.84	24,555	18,342	3.05
	1100	86	72	44,893	29,805	3.71	39,233	26,221	4.18	38,064	26,032	4.28	36,158	24,991	4.56
		80	67	40,332	27,579	3.33	35,246	24,263	3.76	34,197	24,088	3.85	32,485	23,125	4.10
		74	62	35,546	24,991	2.94	31,065	21,986	3.31	30,140	21,828	3.39	28,630	20,956	3.61
		68	57	30,892	22,243	2.55	26,997	19,569	2.87	26,193	19,428	2.94	24,881	18,651	3.13
	1250	86	72	45,522	30,393	3.76	39,783	26,738	4.24	38,598	26,545	4.34	36,665	25,484	4.63
		80	67	41,000	28,094	3.37	35,800	24,723	4.10	34,693	24,547	4.24	32,958	23,565	4.51
		74	62	36,043	25,425	2.98	31,499	22,368	3.36	30,561	22,207	3.44	29,030	21,319	3.66
		68	57	31,326	22,721	2.59	27,376	19,989	2.91	26,561	19,846	2.98	25,230	19,052	3.18
CHCHF-042 A/CHEHF-042 A	1150	86	72	47,663	28,245	3.73	40,398	29,248	4.41	39,195	29,038	4.51	37,232	27,877	4.79
		80	67	42,820	26,045	3.56	36,293	26,970	4.21	35,212	26,775	4.31	33,449	25,705	4.57
		74	62	37,742	23,579	3.37	31,989	24,416	3.98	31,037	24,240	4.07	29,482	23,271	4.32
		68	57	32,798	21,067	3.28	27,798	21,815	3.82	26,970	21,658	3.88	25,619	20,792	4.14
	1260	86	72	48,295	28,704	3.81	40,934	29,723	4.50	39,715	29,509	4.61	37,726	28,329	4.88
		80	67	43,389	26,560	3.58	36,775	27,503	4.24	35,679	27,305	4.34	33,893	26,214	4.60
		74	62	38,241	24,068	3.41	32,412	24,923	4.03	31,446	24,744	4.13	29,871	23,754	4.37
		68	57	33,233	21,421	3.26	28,167	22,182	3.85	27,328	22,023	3.93	25,960	21,142	4.17
	1400	86	72	48,972	29,270	3.85	41,507	30,309	4.55	40,272	30,091	4.65	38,255	28,888	4.93
		80	67	44,000	27,056	3.62	37,400	28,025	4.28	36,197	27,825	4.38	34,387	26,712	4.64
		74	62	38,775	24,486	3.44	32,864	25,355	4.07	31,886	25,173	4.17	30,289	24,166	4.42
		68	57	33,700	21,882	3.29	28,563	22,659	3.88	27,712	22,496	3.97	26,324	21,596	4.21
CHCHF-048 A/CHEHF-048 A	1325	86	72	52,375	34,057	4.11	46,246	34,314	5.05	44,869	34,067	5.17	43,921	32,705	5.36
		80	67	47,053	31,404	3.93	41,547	31,641	4.82	40,310	31,413	4.93	39,458	30,157	5.11
		74	62	41,474	28,430	3.71	36,621	28,645	4.56	35,530	28,439	4.66	34,779	27,302	4.83
		68	57	36,040	25,402	3.61	31,822	25,593	4.37	30,874	25,409	4.44	30,222	24,394	4.64
	1450	86	72	53,070	34,610	4.20	46,860	34,871	5.16	45,464	34,620	5.28	44,503	33,236	5.47
		80	67	47,678	32,026	3.95	42,099	32,267	4.85	40,845	32,035	4.96	39,982	30,754	5.14
		74	62	42,021	29,020	3.76	37,104	29,240	4.62	35,999	29,029	4.72	35,238	27,869	4.90
		68	57	36,519	25,829	3.59	32,245	26,024	4.40	31,285	25,837	4.50	30,623	24,804	4.67
	1550	86	72	53,813	35,292	4.24	47,516	35,558	5.21	46,102	35,303	5.33	45,127	33,891	5.52
		80	67	48,400	32,623	3.98	42,800	32,879	4.90	41,438	32,645	5.01	40,565	31,339	5.19
		74	62	42,608	29,524	3.80	37,622	29,747	4.66	36,502	29,533	4.77	35,730	28,352	4.94
		68	57	37,032	26,384	3.63	32,698	26,584	4.44	31,724	26,392	4.54	31,053	25,337	4.71

Note: Capacity in KW= (Btu/hr)*0.0003. Cooling & Heating capacities are gross ratings
Power Input is Total Power (kW)

PERFORMANCE DATA TABLES

Model	Air On Evaporator			Condenser Ambient Temperature											
	Air Flow		Temp ° F	95° F			115° F			118.4° F			125° F		
	CFM	DB	WB	Capacity Btu/Hr		kw Input	Capacity Btu/Hr		kw Input	Capacity Btu/Hr		kw Input	Capacity Btu/Hr		kw Input
				Total	Sen.		Total	Sen.		Total	Sen.		Total	Sen.	
CHCHF-060 A/CHEHF-060 A	1600	86	72	64,454	43,087	5.07	56,860	42,147	6.17	55,167	41,843	6.31	52,405	40,170	6.69
		80	67	57,904	39,731	4.84	51,082	38,863	5.89	49,561	38,583	6.02	47,079	37,041	6.38
		74	62	51,038	35,969	4.58	45,025	35,184	5.56	43,685	34,930	5.69	41,497	33,534	6.03
		68	57	44,351	32,137	4.45	39,126	31,435	5.34	37,960	31,209	5.42	36,059	29,962	5.79
	1700	86	72	65,308	43,787	5.18	57,614	42,831	6.29	55,899	42,523	6.44	53,099	40,822	6.82
		80	67	58,673	40,517	4.87	51,761	39,632	5.92	50,219	39,347	6.06	47,705	37,774	6.42
		74	62	51,712	36,715	4.64	45,620	35,914	5.64	44,261	35,656	5.76	42,044	34,230	6.11
		68	57	44,940	32,678	4.43	39,646	31,965	5.37	38,465	31,735	5.49	36,538	30,466	5.83
	1800	86	72	66,223	44,650	5.23	58,422	43,675	6.36	56,682	43,361	6.50	53,844	41,627	6.89
		80	67	59,600	41,273	4.93	52,600	40,384	5.98	50,948	40,096	6.12	48,400	38,492	6.48
		74	62	52,434	37,352	4.68	46,257	36,537	5.69	44,879	36,274	5.82	42,632	34,824	6.17
		68	57	45,572	33,380	4.47	40,203	32,652	5.42	39,005	32,417	5.54	37,052	31,121	5.88

LEGEND:

- CFM : Air flow rate (Ft³/minute)
- DB : Dry bulb temperature (°F)
- WB : Wet bulb temperature (°F)
- P.I : Power input is Total Power Input (kW)

Note: Capacity in KW= (Btu/hr)*0.0003. Cooling capacities are gross ratings
Power Input is Total Power (kW)

UNIT ELECTRICAL DATA

Outdoor Units		CHCF/ CHCHF-018	CHCF/ CHCHF-024	CHCF/ CHCHF-030	CHCF/ CHCHF-036	CHCF/ CHCHF-042	CHCF/ CHCHF-048	CHCF/ CHCHF-060
Unit Power Supply	Volt	230			380			
	Phase	1			3			
	Hz	60						
Compressor	V - Ph - Hz	208/230 - 1 - 60			380 - 3 - 60			
	RLA	9.7	11.7	14.7	7.9	8.5	9.4	10.9
	LRA	68	82	80	65	43	78	78
Condenser Fan Motor	V - Ph - Hz	208/230 - 1 - 60			380 - 3 - 60	208/230 - 1 - 60	380 - 3 - 60	
	Input kW	0.26	0.26	0.26	0.41	0.26 X 2	0.41 X 2	0.41 X 2
	FLA	1.16	1.16	1.16	0.72	1.16 X 2	0.72 X 2	0.72 X 2
Unit Ampacity, Ampere		16	16	19	11	13	13	15
Max. Fuse Size, Ampere		28	28	34	20	22	23	26
Minimum Wire Size, mm ²		4	4	4	2.5	2.5	2.5	2.5

Indoor Units		CHEF/ CHEHF-018	CHEF/ CHEHF-024	CHEF/ CHEHF-030	CHEF/ CHEHF-036	CHEF/ CHEHF-042	CHEF/ CHEHF-048	CHEF/ CHEHF-060
Unit Power Supply	Volt	230						
	Phase	1						
	Hz	60						
Blower Motor	V - Ph - Hz	208/230 - 1 - 60						
	Motor Hp	1/3	1/3	1/3	1/2	1/2	1/2	1/2
	Input kW	0.27	0.27	0.27	0.32	0.32	0.32	0.32
	FLA	2	2	2	2.7	2.7	2.7	2.7
Unit Ampacity, Ampere		2.5	2.5	2.5	3.5	3.5	3.5	3.5
Max. Fuse Size, Ampere		5	5	5	5	5	5	5
Minimum Wire Size, mm ²		1.5	1.5	1.5	1.5	1.5	1.5	1.5

LEGEND:

- FLA : Full Load Amps
- RLA : Rated Load Amps
- LRA : Locked Rotor Amps

SUPPLY AIR PERFORMANCE

Model	SPEED	External Static Pressure [in.wg]										
		0	0.05	0.1	0.15	0.2	0.25	0.3	0.35	0.4	0.45	0.5
		Air Flow Rate [CFM]										
CHEF/ CHEHF-018	HIGH	712	660	602	538	468	393	313	-	-	-	-
	MED	706	654	596	529	456	376	-	-	-	-	-
	LOW	703	650	590	525	450	382	-	-	-	-	-
CHEF/ CHEHF-024	HIGH	1122	1084	1039	1011	962	925	880	813	739	695	630
	MED	1065	1030	991	955	916	873	827	763	717	653	-
	LOW	986	950	915	878	833	791	742	686	625	575	-
CHEF/ CHEHF-030	HIGH	1178	1138	1091	1062	1010	971	924	854	776	730	662
	MED	1108	1071	1031	993	953	908	860	794	746	679	-
	LOW	1016	979	942	904	858	815	764	707	644	592	-
CHEF/ CHEHF-036	HIGH	1178	1138	1091	1062	1010	971	924	854	776	730	662
	MED	1108	1071	1031	993	953	908	860	794	746	679	-
	LOW	1016	979	942	904	858	815	764	707	644	592	-
CHEF/ CHEHF-042	HIGH	1857	1822	1777	1730	1695	1652	1593	1520	1416	1312	1210
	MED	1809	1768	1722	1682	1635	1590	1526	1447	1350	1253	-
	LOW	1745	1696	1650	1621	1580	1536	1448	1397	1324	1251	-
CHEF/ CHEHF-048	HIGH	1857	1822	1777	1730	1695	1652	1593	1520	1416	1312	1210
	MED	1809	1768	1722	1682	1635	1590	1526	1447	1350	1253	-
	LOW	1745	1696	1650	1621	1580	1536	1448	1397	1324	1251	-
CHEF/ CHEHF-060	HIGH	2173	2124	2082	2037	1991	1942	1894	1842	1785	1748	1681
	MED	2085	2029	2002	1960	1910	1861	1816	1761	1725	1672	1613
	LOW	2002	1965	1912	1875	1827	1775	1730	1682	1637	1596	1522

RECOMMENDED PIPE LENGTH

Model	Refrigerant Lines	Evaporator is above the Condenser		Condenser is above the Evaporator		Evaporator & Condenser is same level	
		Equivalent Length		Equivalent Length		Equivalent Length	
		0 - 40 Ft	41 - 60 Ft	0 - 60 Ft	61 - 100 Ft	0 - 80 Ft	81 - 100 Ft
CHCF/CHEF CHCHF/CHEH-018	Liquid Line	3/8	3/8	3/8	3/8	3/8	3/8
	Suction Line	5/8	3/4	5/8	3/4	5/8	3/4
CHCF/CHEF CHCHF/CHEH-024	Liquid Line	3/8	3/8	3/8	3/8	3/8	3/8
	Suction Line	5/8	3/4	5/8	3/4	5/8	3/4
CHCF/CHEF CHCHF/CHEH-030	Liquid Line	3/8	3/8	3/8	3/8	3/8	3/8
	Suction Line	5/8	3/4	5/8	3/4	5/8	3/4
CHCF/CHEF CHCHF/CHEH-036	Liquid Line	3/8	3/8	3/8	3/8	3/8	3/8
	Suction Line	3/4	7/8	3/4	7/8	3/4	7/8
CHCF/CHEF CHCHF/CHEH-042	Liquid Line	3/8	3/8	3/8	3/8	3/8	3/8
	Suction Line	7/8	1.1/8	7/8	1.1/8	7/8	1.1/8
CHCF/CHEF CHCHF/CHEH-048	Liquid Line	3/8	1/2	3/8	1/2	3/8	1/2
	Suction Line	7/8	1.1/8	7/8	1.1/8	7/8	1.1/8
CHCF/CHEF CHCHF/CHEH-060	Liquid Line	3/8	1/2	3/8	1/2	3/8	1/2
	Suction Line	7/8	1.1/8	7/8	1.1/8	7/8	1.1/8

Note for TABLE 1 : Near to the evaporator Inverted vapor line trap should be installed.

Note for TABLE 2 : Depending on the vertical rise of the line set, oil traps are required in the suction line. Oil traps should be installed at equal intervals along the suction line. install 1 oil trap for a height difference of 15-25 feet between indoor and outdoor units. install 2 oil traps for a difference of 26-50 ft, 3 for 51-100 ft .

Note for TABLE 3 : Inverted vapor line trap & Oil trap not required.

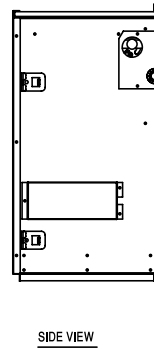
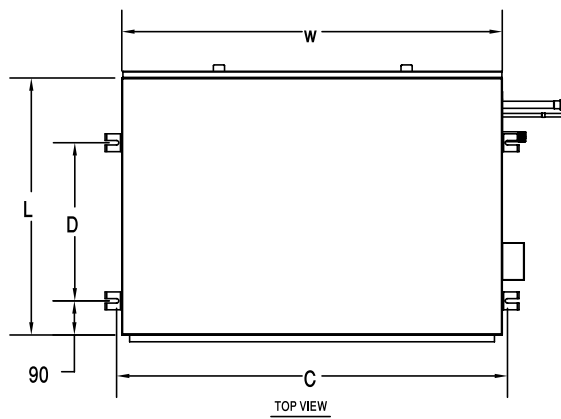
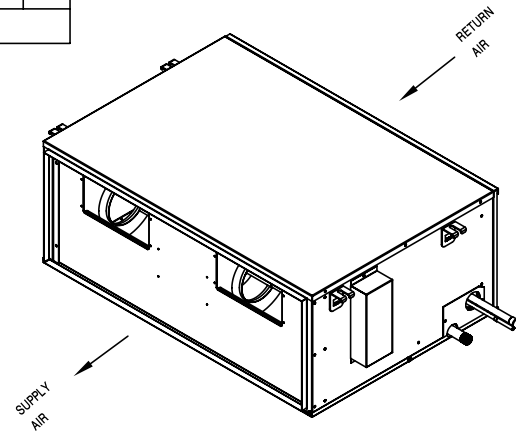
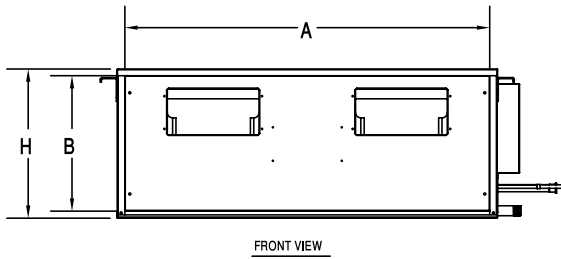
Note: Equivalent length = Piping Length+ Fitting equivalent Length

UNIT DIMENSIONS

Indoor Unit

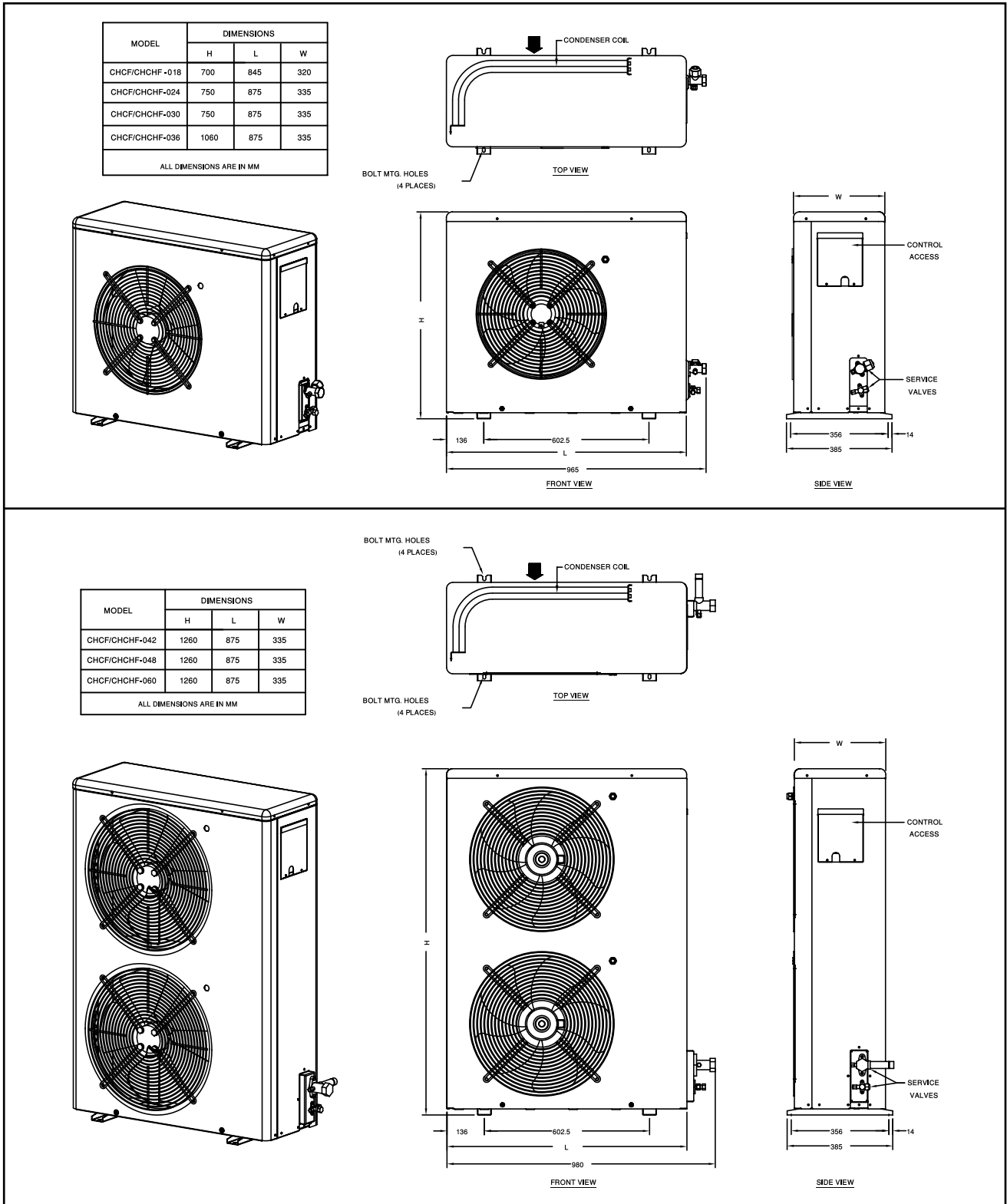
MODEL	DIMENSIONS					
	L	W	H	DUCT CONN. A X B	C	D
CHEF/CHEHF-018	600	950	325	912 X 288	980	380
CHEF/CHEHF-024	600	950	325	912 X 288	980	380
CHEF/CHEHF-030	600	950	325	912 X 288	980	380
CHEF/CHEHF-036	670	950	370	912 X 333	980	425
CHEF/CHEHF-042	670	950	370	912 X 333	980	425
CHEF/CHEHF-048	840	1020	400	980 X 363	1050	600
CHEF/CHEHF-060	840	1020	400	980 X 363	1050	600

ALL DIMENSIONS ARE IN mm



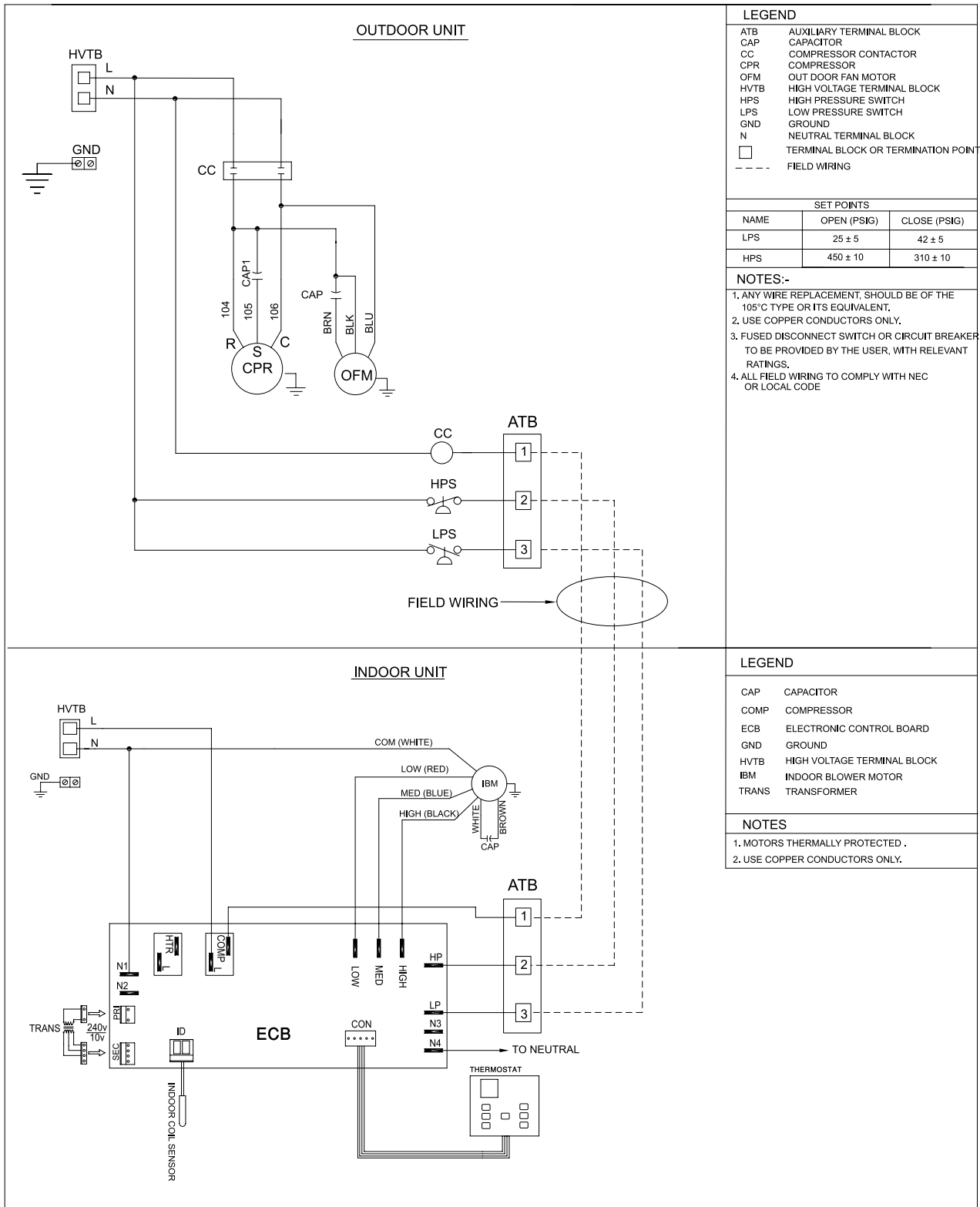
UNIT DIMENSIONS

Outdoor Units



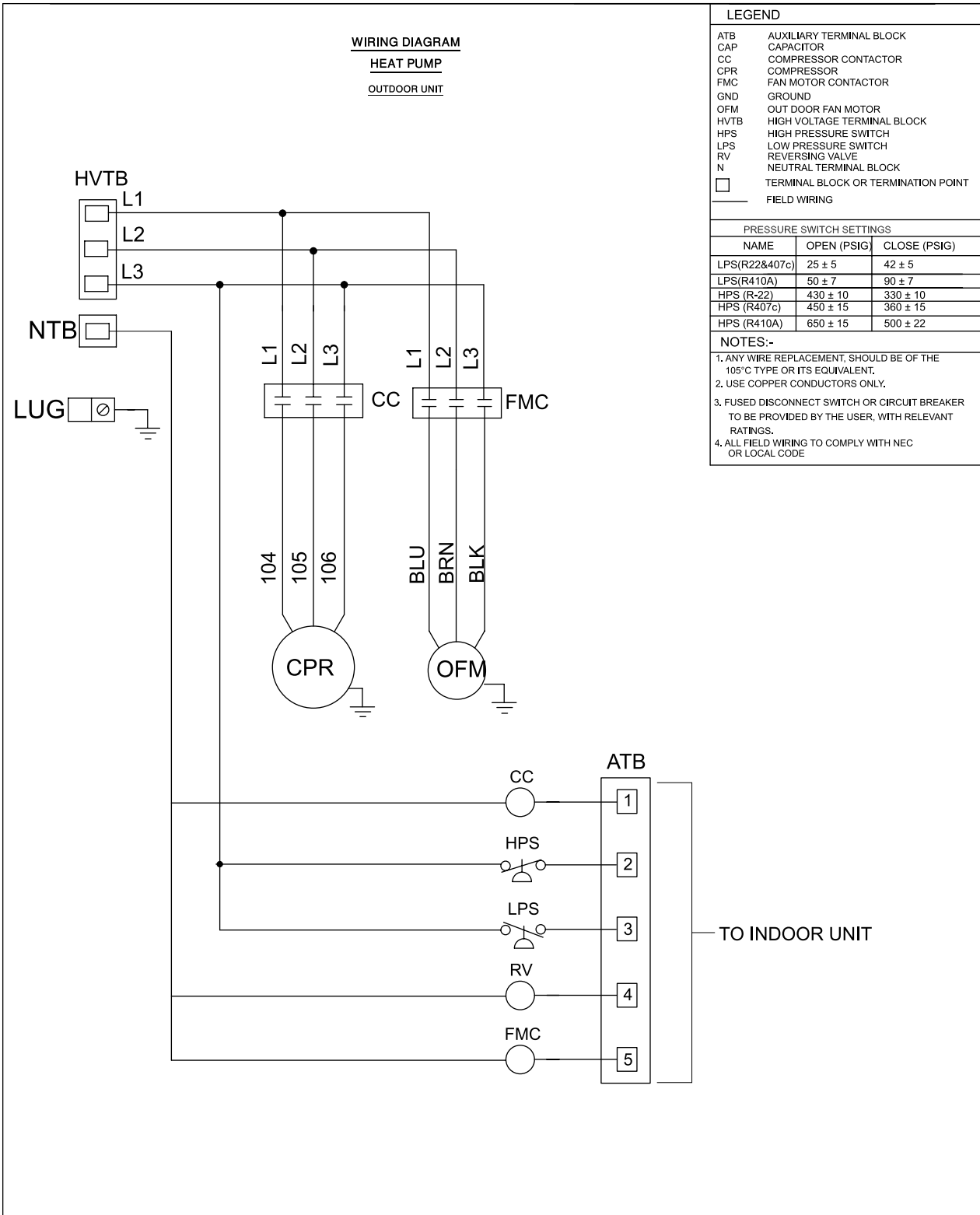
WIRING DIAGRAMS

Microprocessor Based Controller (Cooling)



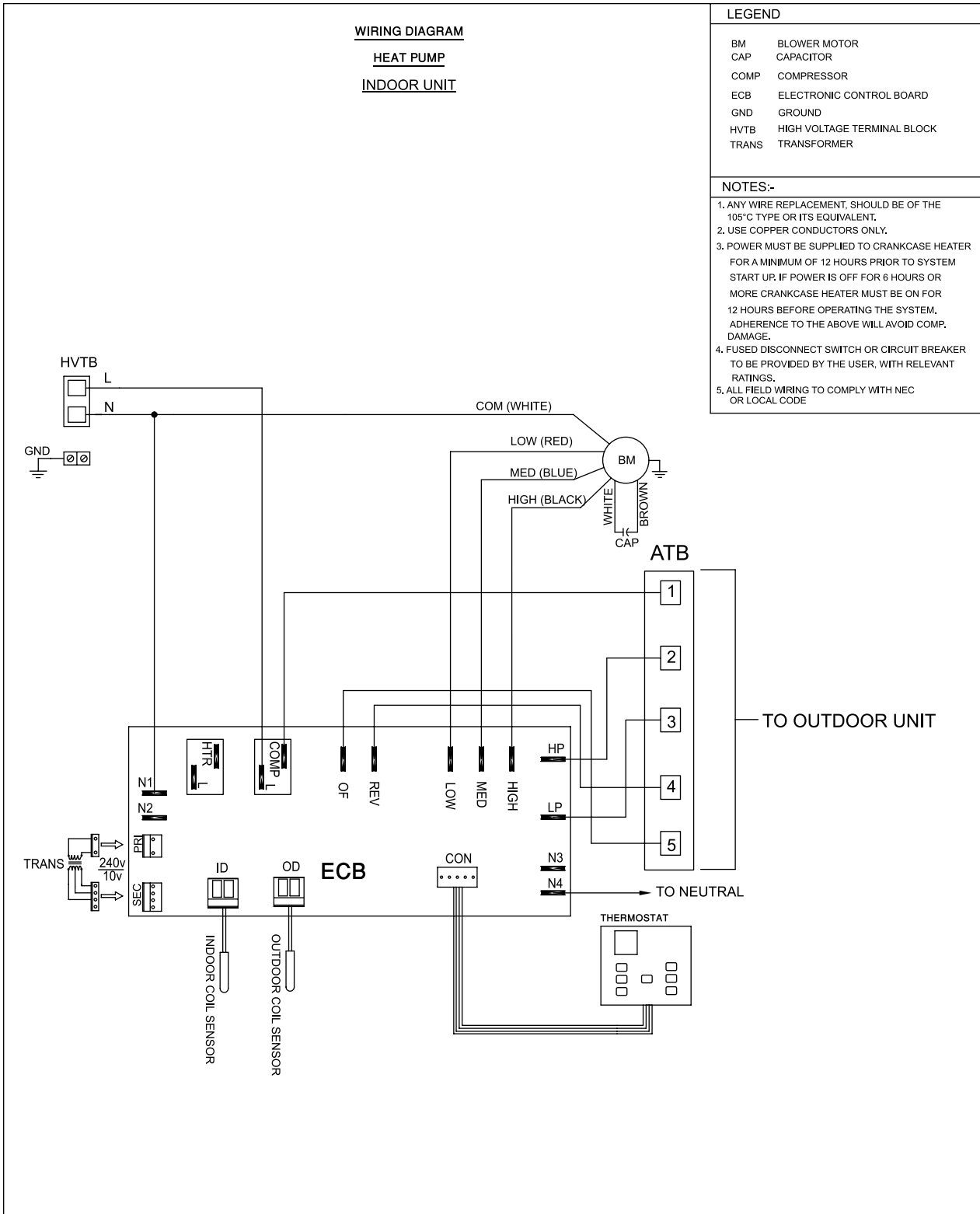
WIRING DIAGRAMS

Microprocessor Based Controller (Cooling & Heating)



WIRING DIAGRAMS

Microprocessor Based Controller (Cooling & Heating)



NOTES

NOTES

About RIC

Refrigeration Industries Company (KSE 504) is a group holding company with diversified interests in manufacturing, contracting and services. Recognized regionally for our engineering capabilities and management excellence, RIC and its subsidiaries offer a wide range of high quality products and services that cater to both residential and commercial customers, in the areas of climate control technologies and specialized storage solutions.

In view of the growing Kuwait infrastructure and the limitations imposed on it by the country's arid climate, the Refrigeration Industries Company was established 43 years ago in 1973, by Amiri Decree. The company's operations began with the construction of the first cold stores in the region, to enable the storage of the imported foods, on which Kuwait relied. Along with the development and advancement of the country, so has RIC prospered and expanded, and is now a milestone in the history of modern Kuwait.

RIC takes pride in its successful record and the many accolades it has garnered over time, but the greatest achievement has been the provision of comfort and protection from the harsh climate, to the people of Kuwait.

More than 43 years of uninterrupted service, overcoming extreme weather conditions, war, economic recessions and ever increasing competition, is testimony to the fact that RIC has met the expectations and responsibilities that was envisioned at the beginning and also highlights the tenacity and vision to exceed them in the future.

Facts throughout the years

- 1973 Warehouses were established by Amiri Decree.
- 1979 RIC Constructed the Medical Cold Stores Complex, the world's largest at that time.
- 1980 RIC Air Conditioning manufacturing plant set up in Sulaihya.
- 1981 Production of Package & Mini-Split A/Cs started under York-Gulf.
- 1984 RIC was listed in Kuwait Stock Exchange.
- 1986 COOLEX brand Production Launched.
- 1991 RIC rebuilt the manufacturing plant destroyed during the war.
- 1997 Achieved ISO Certification ISO 9001:1994.
- 2002 ETL Designed testing lab became fully operational.
- 2004 Privatization of RIC.
- 2010 COOLEX becomes the first A/C Unit to Pass MEW's new regulations.
- 2010 RIC Factory Renovation and Expansion into neighboring countries.
- 2012 Achieved UL & AHRI Certification for Coolex Units.
- 2014 Achieved SASO Certification for Concealed Ducted Split Series.
- 2014 Achieved EUROVENT Certification for Air Handling Units AHU.
- 2014 Achieved UL Certification for Air Cooled Chillers.
- 2015 Achieved ISO 17025 Certification for Psychrometric Laboratory.
- 2016 Achieved Energy Efficiency Certification for Concealed Ducted Split Series & Rooftop Package units (Kingdom of Bahrain).

نبذة عن الشركة

شركة صناعات التبريد (متداولة في سوق الكويت للأوراق المالية برقم 504) هي شركة متنوعة الأنشطة تعمل في مجال التصنيع والمقاولات والخدمات. ونحن نقدم مجموعة كبيرة من المنتجات والخدمات والحلول التقنية في مجال مواجهة الظروف المناخية وحلول التخزين. وقد حازت الشركة على إقرار إقليمى بقدراتها الهندسية وكفاءتها الإدارية.

شركة صناعات التبريد هي مجموعة شركات تهدف إلى توفير أعلى مستويات الجودة من حيث المنتجات والخدمات التي تلبى إحتياجات عملائها السكنية والتجارية. وعلى مدى ثلاثة وأربعين عاماً مضت على إنشاء شركتنا فقد إستطعنا أن نوظد أقدامنا في جميع قطاعات السوق الكويتي. ونحن إذ نفتخر بإنجازات التي حققناها، إلا أننا أشد فخراً بأننا تمكنا من الوقوف إلى جانب أهل الكويت على مدى سنوات طويلة في مواجهة تقلبات الظروف المناخية القاسية سواء من حيث درجات الحرارة العالية أو الأتربة أو الرطوبة.

وباعتبارها إحدى الشركات الصناعية العاملة في دولة الكويت، فقد واجهت الشركة تحديات وأمال كبيرة في سعيها لتحقيق النجاح، وقد كانت الشركة - ولا تزال - معلماً من المعالم المهمة في نظر أهل الكويت لما قدمته من منتجات وخدمات إستطاعت أن تغير الطبيعة القاسية لمناخ الكويت. فبعد نحو 43 عاماً تقريبا، لا يزال السؤال مطروحا حول تحقيقنا لهذه التوقعات، فهل إستطاعت الشركة أن تتحمل مسؤولياتها على الوجه الأكمل؟ ويأتي الرد بالإيجاب، فعلى مدى ثلاثة وأربعين عاماً تقريبا لم تتوقف الشركة خلالها عن الإستمرار في تقديم خدماتها وأعمالها رغم الصعوبات التي تمثلت في ظروف الطقس القاسية أو الحروب أو الكساد الاقتصادي أو إرتفاع حدة المنافسة، فقد كانت كل واحدة من هذه الظروف بمثابة شهادة على أننا حققنا ما وعدنا به وما عقدنا العزم على تنفيذه.

حقائق وتواريخ

- 1973 تم إنشاء المستودعات بناء على مرسوم أميري.
- 1979 عهدت وزارة الصحة الكويتية لشركة صناعات التبريد بإنشاء مجمع مستودعات مخازن التبريد الطبية، وقد كان هذا المجمع حينها هو الأضخم من نوعه على مستوى العالم، وقد وصلت تكلفته إلى 12,000,000 دينار كويتي.
- 1980 تم إنشاء مصنع مكيفات الهواء التابع لشركة صناعات التبريد في الصليبية.
- 1981 بدء إنتاج أجهزة التكييف المدمجة والمنفصلة الصغيرة تحت علامة York-Gulf.
- 1984 تم قيد شركة صناعات التبريد في سوق الكويت للأوراق المالية.
- 1986 بدء إنتاج مكيفات علامة كولكس.
- 1991 قامت شركة صناعات التبريد بإعادة بناء مصنعها الذي دمرته الحرب.
- 1997 الحصول على شهادة الأيزو 9001:1994
- 2002 بدء تشغيل مختبر فحص وحدات التكييف (ETL)
- 2004 خصخصة شركة صناعات التبريد.
- 2010 كانت وحدات كولكس أول وحدات تكييف هواء تجتاز اللوائح التي أقرتها (وزارة الكهرباء والماء).
- 2010 تم تجديد مصنع شركة صناعات التبريد وبدء التوسع والتصدير إلى الدول المجاورة.
- 2012 الحصول على شهادة UL و AHRI لأجهزة التكييف كولكس.
- 2014 الحصول على شهادة SASO لأجهزة التكييف المنفصلة.
- 2014 الحصول على شهادة EUROVENT لأجهزة مناولة الهواء.
- 2014 الحصول على شهادة UL لمبردات الهواء الشيلر.
- 2015 الحصول على شهادة الأيزو ISO 17025 لمختبر السيكرومترية.
- 2016 الحصول على شهادة كفاء الطاقة لأجهزة التكييف المنفصلة والوحدات المدمجة (مملكة البحرين).

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Email : gm@alnoorprojects.com
Website: www.alnoorprojects.com

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Website: www.Cooler.com

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Email : saeed.s@capitaliceberg.com
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specifications. Ref no.: CSDHF 21-6-000

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