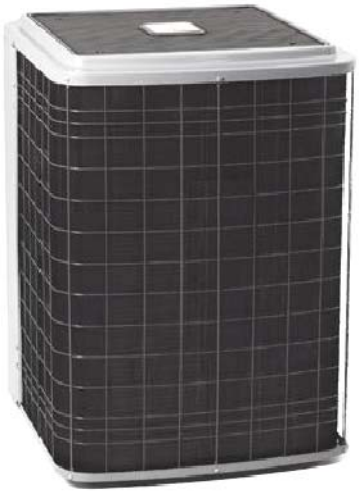
Parts List, Tech Labels, Wiring Diagrams

CHE075 - 090 SERIES

SPLIT SYSTEM HEAT PUMP UNITS



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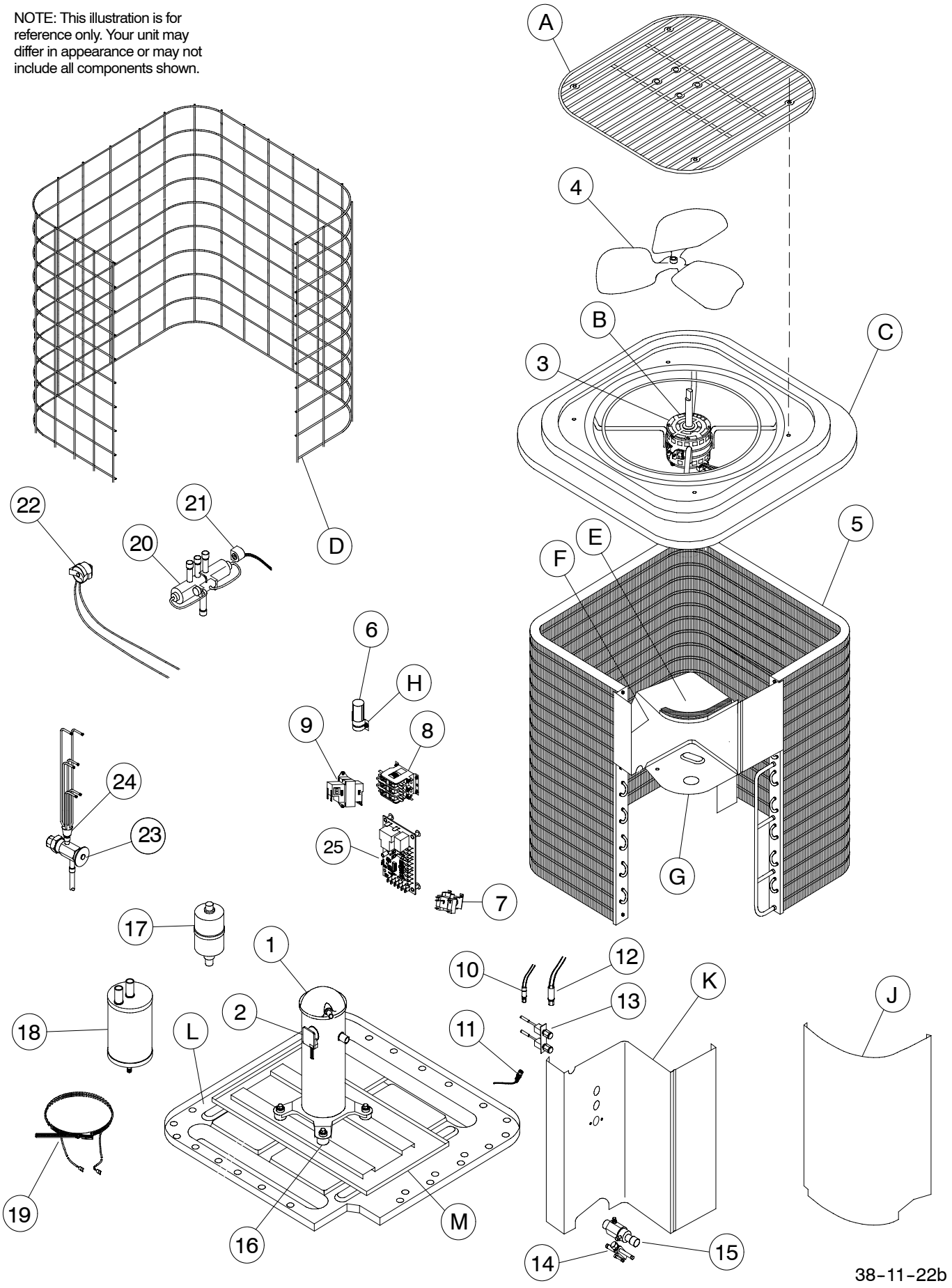
CHE075 PARTS LIST					
KEY NO.	DESCRIPTION	FAST PART NO.	CHE075GHCA	CHE075GLCA	CHE075GSCA
1	COMP SRH752AC 460/3/60	1172108	*	1	*
1	COMP SRJ752AC 575/3/60	1172106	*	*	1
1	COMP SRY752AC 230/3/60	1172107	1	*	*
2	PLUG COMP WIRE (LG)	1113588	*	1	1
2	PLUG COMP WIRE (SM)	1113587	1	*	*
3	MTR CND 1/230 3/4 1100/1	1172526	1	*	*
3	MTR CND 1/460 3/4	1172527	*	1	*
3	MTR CND 1/575 3/4 110/1	1172528	*	*	1
4	FAN CC 26" 3B 5/8" 26 DIS	1110790	1	1	1
5	COND CAE075	1110570	1	1	1
6	CAP RN RD 370V 12.5	1172087	1	1	*
6	CAP RN RD 440V 10	1172089	*	*	1
8	CONTACTOR 3P 30A	1114067	1	1	1
9	TRANS 208/240>24 65VA	1054637	1	*	*
9	TRANS 460/575>24 65VA	1054638	*	1	1
10	SWITCH PRESS HI O420 C300	1096251	1	1	1
11	SWITCH PRESS LO O05 C20	1096252	1	1	1
12	SWITCH PRESS LA O100 C250	1098775	1	1	1
13	PORT ASY HI/LO	1172440	1	1	1
14	VALVE SVC AERO LIQ 06S-06S	1085989	1	1	1
15	VALVE BALL AERO 18S-18S	1086808	1	1	1
16	GROMMET COMPRESSOR 1.62"DIA	1171270	4	4	4
17	DRIER ADK083S	1110608	1	1	1
18	ACCUMULATOR 182 1-1/8	1071851	1	1	1
19	HTR CC WP 70W230V	1097444	1	*	*
19	HTR CC WP 70W460V	1097486	*	1	*
19	HTR CC WP 70W575V	1097487	*	*	1
A	GRILLE DISCHARGE	1172445	1	1	1
B	MOUNT CND MTR 4LEG	1070016	1	1	1
C	PANEL TOP #3	1086334	1	1	1
D	GRILLE COIL GUARD FORMED#3 36"	1087186	1	1	1
E	TOP CONTROL BOX	1086045	1	1	1
F	BOX CONTROL	1110568	1	1	1
G	BOTTOM CONTROL BOX	1088897	1	1	1
H	CLAMP CAPACITOR ROUND 1.75"D L	1095022	1	1	1
J	COVER CONTROL BOX	1087541	1	1	1
K	PANEL CORNER	1087538	1	1	1
L	PANEL BASE #3	1086060	1	1	1
M	PLATE BASE	1111152	1	1	1
PARTS NOT SHOWN					
][	BOLT COMP MTG	1057967	4	4	4
][	CAP FLARE	1172410	2	2	2
][	HARNESS ASSY	1098777	1	1	1
][	HARNESS ASSY	1114011	1	1	1
][	LOGO DISCH COMM COMFORT 3 PH	1099397	1	1	1
][	LUG GROUND	1172300	1	1	1

CHE090 PARTS LIST				
KEY NO.	DESCRIPTION	FAST PART NO.	CHE090GHCA	CHE090GLCA
1	COMP ZR84KC-TF5-250	ZR84KC-TF5-250	1	*
1	COMP ZR84KC-TFD-250	ZR84KC-TFD-250	*	1
2	PLUG COMP WIRE(SM)	1113140	1	1
2	PLUG COMP WIRE(SM)	1099497	1	1
3	MTR CND 1/230 3/4 1100/1	1172526	1	*
3	MTR CND 1/460 3/4	1172527	*	1
4	FAN CC 26" 3B 5/8" 26 DIS	1110790	1	1
5	COND CAC120	1113106	1	1
6	CAP RN RD 370V 12.5	1172087	1	1
8	CONTACTOR 3P 30A	1114066	1	1
9	TRANS 208/240>24 65VA	1054637	1	*
9	TRANS 460/575>24 65VA	1054638	*	1
10	SWITCH PRESS HI O420 C300	1096251	1	1
11	SWITCH PRESS LO O05 C20	1096252	1	1
12	SWITCH PRESS LA O100 C250	1098775	1	1
13	PORT ASY VLV/SWT	1172530	1	1
14	VALVE BALL AERO LIQ 10S*10S	1113243	1	1
15	VALVE BALL AERO 18S*18S	1086808	1	1
16	GROMMET COMP MTG	1175467	6	6
17	DRIER 5/8"X 5/8"	1071983	1	1
18	ACCUMULATOR	1110686	1	1
19	HTR CC WP 70W240V	1111338	2	*
19	HTR CC WP 70W480V	1111339	*	2
8A	CONTACTOR 3P 30A	1114067	1	1
A	GRILLE DISCHARGE	1172445	1	1
B	MOUNT CND MTR 4LEG	1070016	1	1
C	PANEL TOP #3	1086334	1	1
D	GRILLE COIL GUARD FORMED#3 40"	1087187	1	1
E	TOP CONTROL BOX	1086045	1	1
F	BOX CONTROL	1110566	1	1
G	BOTTOM CONTROL BOX	1088897	1	1
H	CLAMP CAPACITOR ROUND 1.75"D L	1095022	1	1
J	COVER CONTROL BOX	1087541	1	1
K	PANEL CORNER	1087540	1	1
L	PANEL BASE #3	1086060	1	1
M	PLATE BASE	1111152	1	1
PARTS NOT SHOWN				
][	BOLT COMPRESSOR	1070032	6	6
][	CAP FLARE	1172410	2	2
][	CAP VALVE BALL	1087042	2	2
][	HARNESS ASSY	1071944	1	1
][	HARNESS ASSY	1098777	1	1
][	LOGO DISCH COMM COMFORT 3 PH	1099397	1	1
][	LUG GROUND	1172300	1	1

NOTE: This illustration is for reference only. Your unit may differ in appearance or may not include all components shown.



Style No:	CHE075H/HCE075H			Outdoor Ambient Temperature - Degrees F. Dry Bulb																			
Voltage-Ph	208/230			75				85				95				105				115			
Total Amp	24			Entering Indoor Temperature - Degrees F. Wet Bulb																			
Ampacity	28.7	IDB		59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71
Min. Fuse	35	75	MBh	70.8	72.9	78.9	84.7	69.1	71.1	77.0	82.6	67.4	69.4	75.1	80.6	64.0	65.9	71.4	76.6	59.3	61.1	66.1	71.0
Delay Fuse	35		S/T	0.8	0.8	0.6	0.4	0.9	0.8	0.6	0.4	0.9	0.8	0.6	0.4	0.9	0.8	0.6	0.4	0.9	0.8	0.6	0.4
Max. Fuse	45		AMPS	17.4	17.8	18.3	19.0	18.8	19.2	19.8	20.5	20.0	20.5	21.1	21.9	21.2	21.7	22.4	23.2	22.4	22.9	23.7	24.5
Compressor	Scroll		HI PR	155.4	167.2	176.5	184.1	176.7	190.1	200.8	209.4	201.2	216.6	228.7	238.5	226.4	243.6	257.3	268.3	250.2	269.2	284.3	296.5
RLA	18.9		LO PR	58.6	62.3	68.0	72.4	60.9	64.7	70.7	75.3	63.9	68.0	74.3	79.1	67.0	71.3	77.8	82.9	69.3	73.7	80.5	85.7
LRA	146	80	MBh	72.0	73.6	78.6	84.1	70.3	71.9	76.8	82.1	68.6	70.1	74.9	80.1	65.2	66.6	71.2	76.1	60.4	61.7	65.9	70.5
Cap MFD/V	n/a		S/T	0.9	0.9	0.7	0.5	1.0	0.9	0.7	0.5	1.0	0.9	0.8	0.6	1.0	1.0	0.8	0.6	1.0	1.0	0.8	0.6
CC Heater	n/a		AMPS	17.6	18.0	18.5	19.2	19.0	19.4	20.0	20.7	20.2	20.7	21.3	22.1	21.4	21.9	22.6	23.4	22.6	23.1	23.9	24.7
Start Kit	n/a		HI PR	156.9	168.9	178.3	186.0	178.5	192.1	202.8	211.5	203.3	218.8	231.0	240.9	228.7	246.1	259.9	271.0	252.7	271.9	287.1	299.5
Fan Motor	V230-Ph1		LO PR	59.2	62.9	68.7	73.2	61.5	65.4	71.4	76.0	64.6	68.7	75.0	79.9	67.7	72.0	78.6	83.7	70.0	74.5	81.3	86.6
Horsepower	3/4	85	MBh	73.3	74.7	78.3	83.5	71.6	72.9	76.4	81.5	69.8	71.2	74.5	79.5	66.3	67.6	70.8	75.5	61.4	62.6	65.6	70.0
FLA	5.1		S/T	1.0	0.9	0.8	0.7	1.0	1.0	0.9	0.7	1.0	1.0	0.9	0.7	1.0	1.0	0.9	0.8	1.0	1.0	0.9	0.8
LRA	10.3		AMPS	17.7	18.1	18.7	19.3	19.1	19.6	20.2	20.9	20.4	20.8	21.5	22.3	21.6	22.1	22.8	23.6	22.8	23.3	24.1	25.0
RPM	1100		HI PR	158.5	170.6	180.1	187.9	180.3	194.0	204.8	213.7	205.3	220.9	233.3	243.3	231.0	248.6	262.5	273.8	255.2	274.6	290.0	302.5
Cap MFD/V	12.5/370		LO PR	59.7	63.6	69.4	73.9	62.1	66.1	72.1	76.8	65.2	69.4	75.8	80.7	68.4	72.7	79.4	84.5	70.7	75.2	82.1	87.5
PTCR	n/a	Heating		Outdoor Ambient Temperature - Degrees F. Dry Bulb																			
Hi Press	420-300	IDB		65	60	55	50	47	45	40	35	30	25	20	17	15	10	5	0	-5	-10		
Low Press	20 - 5	70	MBh	89.1	84.4	79.5	74.2	70.9	68.7	63.8	58.8	58.9	54.4	50.1	47.3	45.5	40.9	36.2	31.6	27.0	22.1		
Low Amb	250-100		T/R	29.5	27.9	26.3	24.5	23.4	22.7	21.1	19.5	19.5	18.0	16.6	15.6	15.1	13.5	12.0	10.4	8.9	7.3		
Defrost	36 - 51		KW	7.0	6.8	6.7	6.5	6.5	6.4	6.3	6.1	6.2	6.1	6.0	5.9	5.8	5.7	5.5	5.4	5.3	5.1		
Sensor			AMPS	24.9	23.1	21.7	20.5	19.8	19.4	18.4	17.5	16.8	16.1	15.4	15.1	14.9	14.2	13.3	12.6	11.7	10.7		
Operating Chg	See Rating Plate		COP	3.8	3.6	3.5	3.3	3.2	3.1	3.0	2.8	2.8	2.6	2.5	2.4	2.3	2.1	1.9	1.7	1.5	1.3		
(25 Ft Line)*			EER	12.8	12.4	11.9	11.3	11.0	10.7	10.2	9.6	9.5	8.9	8.4	8.1	7.8	7.2	6.5	5.9	5.1	4.3		
Service Driers			HI PR	260.8	250.0	240.3	229.8	224.4	220.1	211.6	203.1	194.6	185.8	178.4	174.1	171.0	164.5	158.2	151.7	146.3	141.1		
Liquid/Chg	5Ouln/5oz		LO PR	68.2	63.3	59.3	54.4	51.4	49.4	45.5	40.5	36.5	32.6	28.7	26.7	25.7	21.7	18.8	15.8	13.8	10.8		
Suction	17Sqln	Calculated averaged performance data, for service applications for all matches.																				Part No:	
		*Add or Substract (Oz per Ft) for Lines: .25oz -1/4 Liq, .45oz- 5/16 Liq, .60oz - 3/8 Liq, 1.2 oz - 1/2 Liq																				1110724	

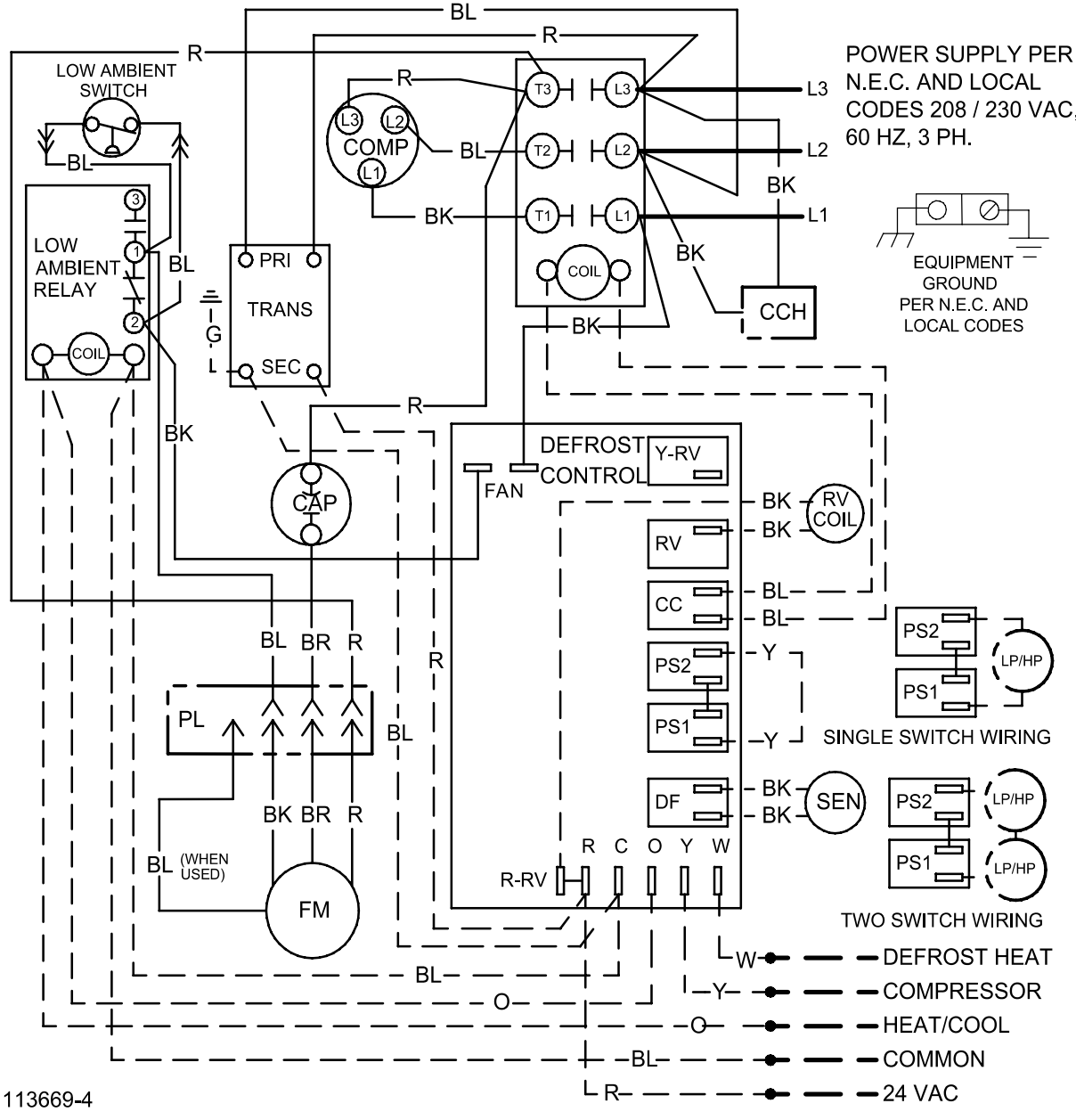
Style No:	CHE075S/HCE075S			Outdoor Ambient Temperature - Degrees F. Dry Bulb																			
Voltage-Ph	575-3			75				85				95				105				115			
Total Amp	8.8			Entering Indoor Temperature - Degrees F. Wet Bulb																			
Ampacity	10.7	IDB		59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71
Min. Fuse	15	75	MBh	70.8	72.9	78.9	84.7	69.1	71.1	77.0	82.6	67.4	69.4	75.1	80.6	64.0	65.9	71.4	76.6	59.3	61.1	66.1	71.0
Delay Fuse	15		S/T	0.8	0.8	0.6	0.4	0.9	0.8	0.6	0.4	0.9	0.8	0.6	0.4	0.9	0.8	0.6	0.4	0.9	0.8	0.6	0.4
Max. Fuse	15		AMPS	6.5	6.7	6.9	7.2	7.1	7.3	7.5	7.8	7.6	7.8	8.0	8.3	8.1	8.3	8.5	8.9	8.5	8.8	9.0	9.4
Compressor	Scroll		HI PR	155.4	167.2	176.5	184.1	176.7	190.1	200.8	209.4	201.2	216.6	228.7	238.5	226.4	243.6	257.3	268.3	250.2	269.2	284.3	296.5
RLA	7.56		LO PR	58.6	62.3	68.0	72.4	60.9	64.7	70.7	75.3	63.9	68.0	74.3	79.1	67.0	71.3	77.8	82.9	69.3	73.7	80.5	85.7
LRA	58.4	80	MBh	72.0	73.6	78.6	84.1	70.3	71.9	76.8	82.1	68.6	70.1	74.9	80.1	65.2	66.6	71.2	76.1	60.4	61.7	65.9	70.5
Cap MFD/V	n/a		S/T	0.9	0.9	0.7	0.5	1.0	0.9	0.7	0.5	1.0	0.9	0.8	0.6	1.0	1.0	0.8	0.6	1.0	1.0	0.8	0.6
CC Heater	n/a		AMPS	6.6	6.8	7.0	7.2	7.2	7.3	7.6	7.9	7.7	7.8	8.1	8.4	8.1	8.3	8.6	8.9	8.6	8.8	9.1	9.5
Start Kit	n/a		HI PR	156.9	168.9	178.3	186.0	178.5	192.1	202.8	211.5	203.3	218.8	231.0	240.9	228.7	246.1	259.9	271.0	252.7	271.9	287.1	299.5
Fan Motor	v575-Ph1		LO PR	59.2	62.9	68.7	73.2	61.5	65.4	71.4	76.0	64.6	68.7	75.0	79.9	67.7	72.0	78.6	83.7	70.0	74.5	81.3	86.6
Horsepower	3/4	85	MBh	73.3	74.7	78.3	83.5	71.6	72.9	76.4	81.5	69.8	71.2	74.5	79.5	66.3	67.6	70.8	75.5	61.4	62.6	65.6	70.0
FLA	1.2		S/T	1.0	0.9	0.8	0.7	1.0	1.0	0.9	0.7	1.0	1.0	0.9	0.7	1.0	1.0	0.9	0.8	1.0	1.0	0.9	0.8
LRA	3.9		AMPS	6.7	6.8	7.0	7.3	7.2	7.4	7.7	7.9	7.7	7.9	8.2	8.5	8.2	8.4	8.7	9.0	8.7	8.9	9.2	9.6
RPM	1140		HI PR	158.5	170.6	180.1	187.9	180.3	194.0	204.8	213.7	205.3	220.9	233.3	243.3	231.0	248.6	262.5	273.8	255.2	274.6	290.0	302.5
Cap MFD/V	10/440		LO PR	59.7	63.6	69.4	73.9	62.1	66.1	72.1	76.8	65.2	69.4	75.8	80.7	68.4	72.7	79.4	84.5	70.7	75.2	82.1	87.5
PTCR	n/a	Heating		Outdoor Ambient Temperature - Degrees F. Dry Bulb																			
Hi Press	420-300	IDB		65	60	55	50	47	45	40	35	30	25	20	17	15	10	5	0	-5	-10		
Low Press	20 - 5	70	MBh	89.1	84.4	79.5	74.2	70.9	68.7	63.8	58.8	58.9	54.4	50.1	47.3	45.5	40.9	36.2	31.6	27.0	22.1		
Low Amb	250-100		T/R	29.5	27.9	26.3	24.5	23.4	22.7	21.1	19.5	19.5	18.0	16.6	15.6	15.1	13.5	12.0	10.4	8.9	7.3		
Defrost	36-41		KW	7.0	6.8	6.7	6.5	6.5	6.4	6.3	6.1	6.2	6.1	6.0	5.9	5.8	5.7	5.5	5.4	5.3	5.1		
Sensor			AMPS	9.5	8.8	8.2	7.7	7.5	7.3	6.9	6.6	6.3	6.0	5.7	5.6	5.5	5.2	4.9	4.6	4.3	3.8		
Operating Chg	See Rating Plate		COP	3.8	3.6	3.5	3.3	3.2	3.1	3.0	2.8	2.8	2.6	2.5	2.4	2.3	2.1	1.9	1.7	1.5	1.3		
(25 Ft Line)*			EER	12.8	12.4	11.9	11.3	11.0	10.7	10.2	9.6	9.5	8.9	8.4	8.1	7.8	7.2	6.5	5.9	5.1	4.3		
Service Driers			HI PR	260.8	250.0	240.3	229.8	224.4	220.1	211.6	203.1	194.6	185.8	178.4	174.1	171.0	164.5	158.2	151.7	146.3	141.1		
Liquid/Chg	5Ouln/5oz		LO PR	68.2	63.3	59.3	54.4	51.4	49.4	45.5	40.5	36.5	32.6	28.7	26.7	25.7	21.7	18.8	15.8	13.8	10.8		
Suction	17Sqln	Calculated averaged performance data, for service applications for all matches.																				Part No:	
		*Add or Substract (Oz per Ft) for Lines: .25oz -1/4 Liq, .45oz- 5/16 Liq, .60oz - 3/8 Liq, 1.2 oz - 1/2 Liq																				1110726	

Style No:	CHE075L/HCE075L		Outdoor Ambient Temperature - Degrees F. Dry Bulb																			
Voltage-Ph	460-3		75				85				95				105				115			
Total Amp	12.1		Entering Indoor Temperature - Degrees F. Wet Bulb																			
Ampacity	14.5	IDB	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71
Min. Fuse	20	75 MBh	70.8	72.9	78.9	84.7	69.1	71.1	77.0	82.6	67.4	69.4	75.1	80.6	64.0	65.9	71.4	76.6	59.3	61.1	66.1	71.0
Delay Fuse	20	S/T	0.8	0.8	0.6	0.4	0.9	0.8	0.6	0.4	0.9	0.8	0.6	0.4	0.9	0.8	0.6	0.4	0.9	0.8	0.6	0.4
Max. Fuse	20	AMPS	8.7	8.9	9.2	9.5	9.4	9.7	10.0	10.3	10.1	10.3	10.6	11.0	10.7	10.9	11.3	11.7	11.3	11.5	11.9	12.3
Compressor	Scroll	HI PR	155.4	167.2	176.5	184.1	176.7	190.1	200.8	209.4	201.2	216.5	228.7	238.5	226.4	243.6	257.3	268.3	250.2	269.2	284.3	296.5
RLA	9.49	LO PR	58.6	62.3	68.0	72.4	60.9	64.7	70.7	75.3	63.9	68.0	74.3	79.1	67.0	71.3	77.8	82.9	69.3	73.7	80.5	85.7
LRA	73	80 MBh	72.0	73.6	78.6	84.1	70.3	71.9	76.8	82.1	68.6	70.1	74.9	80.1	65.2	66.6	71.2	76.1	60.4	61.7	65.9	70.5
Cap MFD/V	n/a	S/T	0.9	0.9	0.7	0.5	1.0	0.9	0.7	0.5	1.0	0.9	0.8	0.6	1.0	1.0	0.8	0.6	1.0	1.0	0.8	0.6
CC Heater	n/a	AMPS	8.8	9.0	9.3	9.6	9.5	9.7	10.0	10.4	10.1	10.4	10.7	11.1	10.8	11.0	11.4	11.8	11.4	11.6	12.0	12.4
Start Kit	n/a	HI PR	156.9	168.9	178.3	186.0	178.5	192.1	202.8	211.5	203.3	218.8	231.0	240.9	228.7	246.1	259.9	271.0	252.7	271.9	287.1	299.5
Fan Motor	V460-Ph1	LO PR	59.2	62.9	68.7	73.2	61.5	65.4	71.4	76.0	64.6	68.7	75.0	79.9	67.7	72.0	78.6	83.7	70.0	74.5	81.3	86.6
Horsepower	3/4	85 MBh	73.3	74.7	78.3	83.5	71.6	72.9	76.4	81.5	69.8	71.2	74.5	79.5	66.3	67.6	70.8	75.5	61.4	62.6	65.6	70.0
FLA	2.6	S/T	1.0	0.9	0.8	0.7	1.0	1.0	0.9	0.7	1.0	1.0	0.9	0.7	1.0	1.0	0.9	0.8	1.0	1.0	0.9	0.8
LRA	5.33	AMPS	8.9	9.1	9.4	9.7	9.6	9.8	10.1	10.5	10.2	10.5	10.8	11.2	10.8	11.1	11.5	11.9	11.5	11.7	12.1	12.5
RPM	1100	HI PR	158.5	170.6	180.1	187.9	180.3	194.0	204.8	213.7	205.3	220.9	233.3	243.3	231.0	248.6	262.5	273.8	255.2	274.6	290.0	302.5
Cap MFD/V	12.5/370	LO PR	59.7	63.6	69.4	73.9	62.1	66.1	72.1	76.8	65.2	69.4	75.8	80.7	68.4	72.7	79.4	84.5	70.7	75.2	82.1	87.5
PTCR	n/a	Heating	Outdoor Ambient Temperature - Degrees F. Dry Bulb																			
Hi Press	420-300	IDB	65	60	55	50	47	45	40	35	30	25	20	17	15	10	5	0	-5	-10		
Low Press	20 - 5	70 MBh	89.1	84.4	79.5	74.2	70.9	68.7	63.8	58.8	58.9	54.4	50.1	47.3	45.5	40.9	36.2	31.6	27.0	22.1		
Low Amb	250-100	T/R	29.5	27.9	26.3	24.5	23.4	22.7	21.1	19.5	19.5	18.0	16.6	15.6	15.1	13.5	12.0	10.4	8.9	7.3		
Defrost	36 - 41	KW	7.0	6.8	6.7	6.5	6.5	6.4	6.3	6.1	6.2	6.1	6.0	5.9	5.8	5.7	5.5	5.4	5.3	5.1		
Sensor		AMPS	12.4	11.6	10.9	10.2	9.9	9.7	9.2	8.8	8.4	8.1	7.7	7.5	7.4	7.1	6.7	6.3	5.9	5.3		
Operating Chg	See Rating Plate	COP	3.8	3.6	3.5	3.3	3.2	3.1	3.0	2.8	2.8	2.6	2.5	2.4	2.3	2.1	1.9	1.7	1.5	1.3		
(25 Ft Line)*		EER	12.8	12.4	11.9	11.3	11.0	10.7	10.2	9.6	9.5	8.9	8.4	8.1	7.8	7.2	6.5	5.9	5.1	4.3		
Service Driers		HI PR	260.8	250.0	240.3	229.8	224.4	220.1	211.6	203.1	194.6	185.8	178.4	174.1	171.0	164.5	158.2	151.7	146.3	141.1		
Liquid/Chg	5Culn/5oz	LO PR	68.2	63.3	59.3	54.4	51.4	49.4	45.5	40.5	36.5	32.6	28.7	25.7	25.7	21.7	18.8	15.8	13.8	10.8		
Suction	17Sqln	Calculated averaged performance data, for service applications for all matches.																			Part No:	
		*Add or Substract (Oz per Ft) for Lines: .25oz - 1/4 Liq, .45oz- 5/16 Liq, .60oz - 3/8 Liq, 1.2 oz - 1/2 Liq																			1110725	

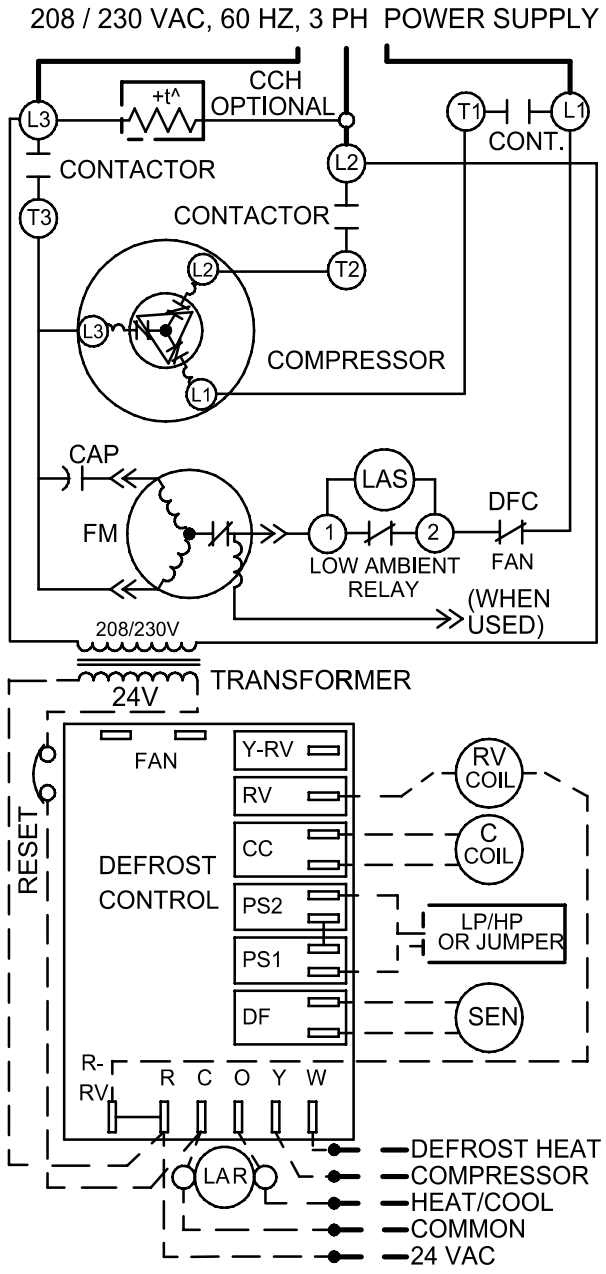
Style No:	CHE090H		Outdoor Ambient Temperature - Degrees F. Dry Bulb																			
Voltage-Ph	208/230		75				85				95				105				115			
Total Amp	30.7		Entering Indoor Temperature - Degrees F. Wet Bulb																			
Ampacity	37.2	IDB	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71
Min. Fuse	45	75 MBh	83.5	86.0	93.1	99.9	81.5	84.0	90.9	97.5	79.6	81.9	88.7	95.2	75.6	77.8	84.2	90.4	70.0	72.1	78.0	83.7
Delay Fuse	n/a	S/T	0.8	0.7	0.6	0.4	0.9	0.8	0.6	0.4	0.9	0.8	0.6	0.4	0.9	0.8	0.6	0.4	0.9	0.8	0.6	0.4
Max. Fuse	60	AMPS	21.1	21.6	22.3	23.1	22.9	23.4	24.2	25.0	24.4	25.0	25.8	26.7	25.9	26.5	27.4	28.4	27.4	28.1	29.0	30.1
Compressor	Scroll	HI PR	164.1	176.6	186.5	194.5	186.6	200.8	212.1	221.2	212.6	228.8	241.6	251.9	239.1	257.4	271.8	283.4	264.2	284.3	300.3	313.2
RLA	25.64	LO PR	59.9	63.7	69.6	74.1	62.2	66.2	72.3	77.0	65.4	69.6	75.9	80.9	68.5	72.9	79.6	84.8	70.9	75.4	82.3	87.7
LRA	196	80 MBh	85.0	86.9	92.8	99.2	83.0	84.8	90.6	96.9	81.0	82.7	88.4	94.5	76.9	78.6	84.0	89.8	71.3	72.8	77.8	83.2
Cap MFD/V	n/a	S/T	0.9	0.9	0.7	0.5	0.9	0.9	0.7	0.5	1.0	0.9	0.7	0.5	1.0	0.9	0.8	0.6	1.0	1.0	0.8	0.6
CC Heater	n/a	AMPS	21.3	21.8	22.5	23.3	23.1	23.6	24.4	25.3	24.6	25.2	26.0	27.0	26.1	26.8	27.6	28.7	27.6	28.3	29.2	30.3
Start Kit	n/a	HI PR	165.8	178.4	188.4	196.5	188.5	202.9	214.2	223.4	214.7	231.1	244.0	254.5	241.6	260.0	274.5	286.3	266.9	287.2	303.3	316.3
Fan Motor	V230-Ph1	LO PR	60.5	64.4	70.3	74.8	62.9	66.9	73.0	77.8	66.0	70.3	76.7	81.7	69.2	73.6	80.4	85.6	71.6	76.2	83.1	88.5
Horsepower	3/4	85 MBh	86.5	88.2	92.4	98.5	84.4	86.1	90.2	96.2	82.4	84.0	88.0	93.8	78.3	79.8	83.6	89.1	72.5	73.9	77.4	82.6
FLA	5.1	S/T	1.0	0.9	0.8	0.7	1.0	1.0	0.9	0.7	1.0	1.0	0.9	0.7	1.0	1.0	0.9	0.7	1.0	1.0	0.9	0.8
LRA	10.3	AMPS	21.5	22.0	22.7	23.5	23.3	23.8	24.6	25.5	24.8	25.4	26.2	27.2	26.4	27.0	27.9	28.9	27.9	28.6	29.5	30.6
RPM	1100	HI PR	167.4	180.2	190.3	198.4	190.4	204.9	216.4	225.7	216.9	233.4	246.4	257.0	244.0	262.6	277.2	289.2	269.6	290.1	306.3	319.5
Cap MFD/V	12.5/370	LO PR	61.1	65.0	71.0	75.6	63.5	67.6	73.7	78.5	66.7	71.0	77.5	82.5	69.9	74.4	81.2	86.5	72.3	76.9	84.0	89.4
PTCR	n/a	Heating	Outdoor Ambient Temperature - Degrees F. Dry Bulb																			
Hi Press	420-300	IDB	65	60	55	50	47	45	40	35	30	25	20	17	15	10	5	0	-5	-10		
Low Press	20 - 5	70 MBh	105.8	100.2	94.4	88.2	84.2	81.6	75.8	69.9	69.8	64.4	59.3	56.0	53.9	48.4	42.9	37.4	31.9	26.2		
Low Amb	250-100	T/R	30.6	29.0	27.3	25.5	24.4	23.6	21.9	20.2	20.2	18.6	17.2	16.2	15.6	14.0	12.4	10.8	9.2	7.6		
Defrost	36 - 51	KW	8.1	8.0	7.8	7.6	7.6	7.5	7.3	7.2	7.2	7.0	6.9	6.8	6.7	6.5	6.4	6.2	6.1	5.9		
Sensor		AMPS	29.8	27.7	26.0	24.5	23.6	23.2	21.9	20.8	19.9	19.1	18.2	17.8	17.6	16.7	15.6	14.8	13.7	12.4		
Operating Chg	See Rating	COP	3.8	3.7	3.5	3.4	3.3	3.2	3.0	2.8	2.9	2.7	2.5	2.4	2.4	2.2	2.0	1.8	1.5	1.3		
(25 Ft Line)*	Plate	EER	13.1	12.6	12.1	11.5	11.1	10.9	10.3	9.7	9.7	9.2	8.7	8.3	8.1	7.4	6.7	6.0	5.3	4.4		
Service Driers		HI PR	246.3	236.2	227.1	217.1	212.0	208.0	199.9	191.9	183.8	175.5	168.5	164.5	161.5	155.4	149.5	143.3	138.2	133.3		
Liquid/Chg	5Culn/5oz	LO PR	62.2	57.7	54.1	49.6	46.9	45.1	41.5	37.0	33.3	29.8	26.2	24.3	23.5	19.8	17.1	14.4	12.6	9.9		
Suction	17Sqln	Calculated averaged performance data, for service applications for all matches.																			Part No:	
		*Add or Substract (Oz per Ft) for Lines: .25oz - 1/4 Liq, .45oz- 5/16 Liq, .60oz - 3/8 Liq, 1.2 oz - 1/2 Liq																			1110534	

CONNECTION DIAGRAM

DANGER: ELECTRICAL SHOCK HAZARD
DISCONNECT POWER BEFORE SERVICING



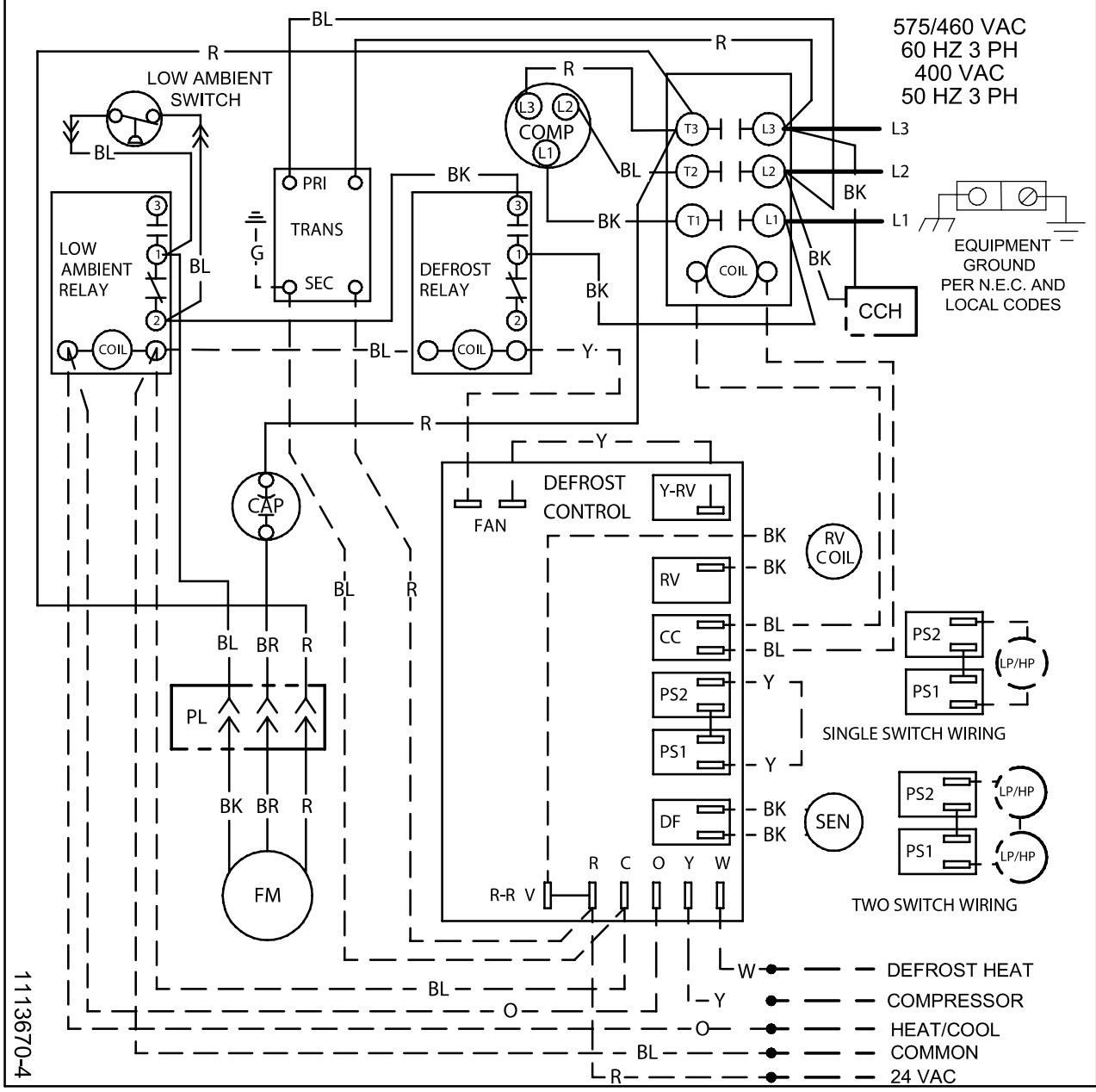
LADDER DIAGRAM



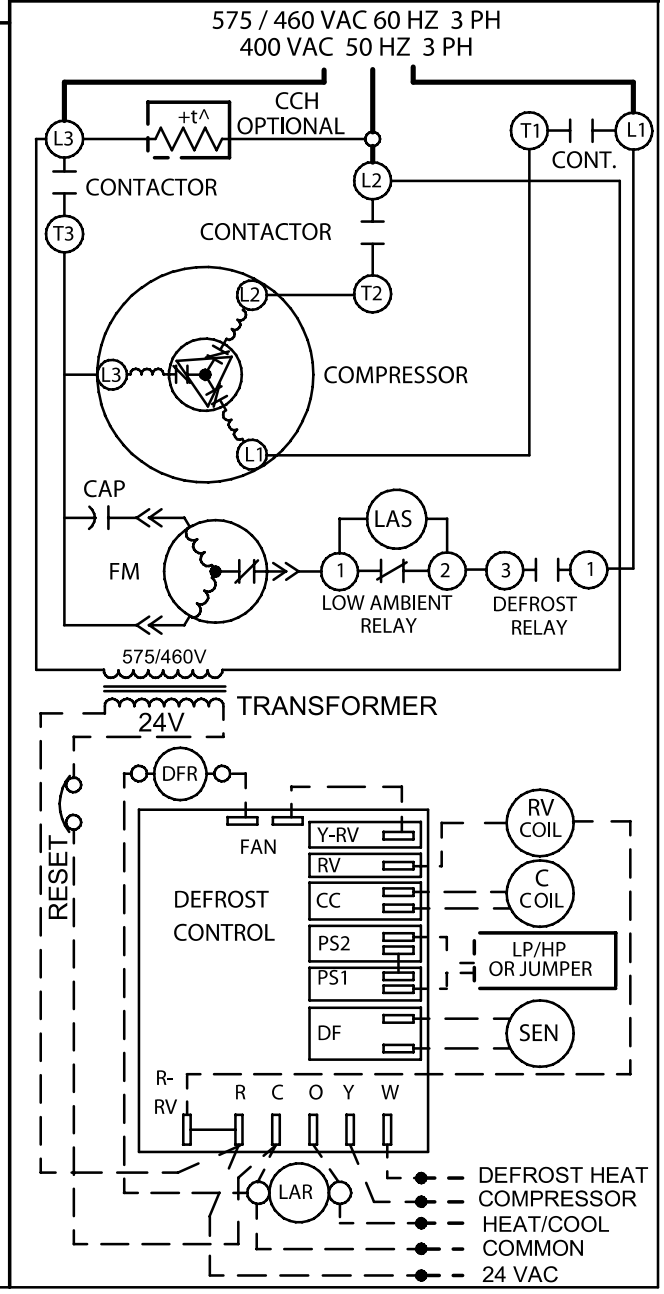
CHE075,CHE090 208 / 230 V. 3 Phase

CONNECTION DIAGRAM

DANGER: ELECTRICAL SHOCK HAZARD
DISCONNECT POWER BEFORE SERVICING



LADDER DIAGRAM



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LEGEND

C	CONTACTOR
CAP	CAPACITOR
CCH	CRANKCASE HEATER (OPTIONAL)
COMP	COMPRESSOR
DFC	DEFROST CONTROL
FM	FAN MOTOR
LP/HP	LOW OR HIGH PRESSURE SWITCH (OPTIONAL)
PL	PLUG (WHEN USED)
PTCR	PTCR START DEVICE (OPTIONAL)
RV	REVERSING VALVE
SEN	OUTDOOR COIL TEMPERATURE SENSOR
LAR	LOW AMBIENT RELAY
DFR	DEFROST RELAY
LAS	LO AMBIENT SWITCH

COLOR CODE

BK	BLACK
BL	BLUE
BR	BROWN
O	ORANGE
R	RED
W	WHITE
Y	YELLOW

——— LINE VOLTAGE FACTORY
——— LINE VOLTAGE FIELD
– – LOW VOLTAGE FACTORY
– – LOW VOLTAGE FIELD

ALL ELECTRICAL WORK MUST BE DONE IN CONFORMANCE WITH THE NATIONAL ELECTRICAL CODE (NFPA NO. 70) AND IN CONFORMANCE WITH LOCAL CODES AND AUTHORITIES HAVING JURISDICTION.

FOR USE WITH COPPER CONDUCTORS ONLY

CAUTION : NOT SUITABLE FOR USE ON SYSTEMS EXCEEDING 150 VOLTS TO GROUND.