


WARNING! TURN OFF MAIN ISOLATOR BEFORE WORKING ON UNIT OR ELECTRICAL SWITCHBOARD
 THE SOFTWARE OF THE CAA CONTROLLER IS NOT DESIGNED TO FUNCTION AS A PRIMARY PERSONAL SAFETY DEVICE, AS CONNECTED EQUIPMENT CAN START AUTOMATICALLY WITHOUT WARNING.
 ALSO, OPENING THERMOSTAT CONTACTS MAY NOT CAUSE THE EQUIPMENT TO STOP.

NOTES:

- TIME DELAY GLASS FUSES ON THE PCB CONTROLLER ARE THE FOLLOWING:
 - F1 PROTECTS THE THERMOSTAT CIRCUIT.
 - F2 PROTECTS THE COMPRESSOR CONTACTOR CIRCUITS, OUTDOOR FAN HI/LO CONTACTOR CIRCUITS, REVERSING VALVE CIRCUITS AND THE "HEAT" OUTPUT.
- TERMINALS: 1-8 ARE 24V AC. TERMINALS: 11-13 ARE 10V DC. TERMINALS: 9-10 ARE 24V DC. TERMINALS: A-B ARE 240V AC.
- HP AND LP SWITCHES ARE AUTO RESET. CAA CONTROLLER PROVIDES LOCKOUT FUNCTION.
- THERMAL OVERLOAD RELAY FOR COMPRESSOR IS AUTO RESET. CAA CONTROLLER PROVIDES LOCKOUT FUNCTION.
- ALL FIELD WIRING IS THE RESPONSIBILITY OF THE INSTALLING CONTRACTOR AND MUST COMPLY WITH AS/NZS 3000 AND LOCAL RULES.
- SOFTWARE CODE MUST BE CHECKED AFTER REPLACEMENT OF THE CAA CONTROLLER BY CHECKING THE DISPLAY CODE ON THE LCD DISPLAY AFTER THE CONTROLLER IS ACTIVATED.
- DO NOT CONNECT ANY ADDITIONAL EQUIPMENT TO THE CONTROL TRANSFORMER OTHER THAN THE EQUIPMENT SHOWN ON THE ELECTRICAL DRAWING.

LEGEND		COLOUR CODE					
---	FIELD WIRING	COMP	COMPRESSOR	r	RED	o	ORANGE
---	CONTROL WIRING	CCH	CRANK CASE HEATER	w	WHITE	p	PINK
---	240V/415V WIRING	IF	INDOOR FAN	b	BLUE	pu	PURPLE
---	CONTROL PARAMETER	OF	OUTDOOR FAN	bk	BLACK	gy	YELLOW
○	SWITCHBOARD TERMINAL	O/L	THERMAL OVERLOAD	br	BROWN		
RV	REVERSING VALVE	HP	HIGH PRESSURE SWITCH	gy	GREY		
		LP	LOW PRESSURE SWITCH	gn	GREEN		

MODEL: HPA020R3AC		COMPRESSOR		DRAWING No		EL0200014	
REF	OPTIONS DESCRIPTION	INPUT POWER kW	5.6	REV	0	DATE	27.03.2023
		RATED LOAD AMP	12.2	GRD	---	DRAWN	P.V
		OVERLOAD SETTING	14.5			APPROVED	M.D
	COMPRESSOR USED DANFOSS HLH068T4LC8	FANS (EACH)	kW (SHAFT)	FLA		 CAA COMM AIR AUSTRALIA AIR CONDITIONING MANUFACTURERS ACN 140 272 171 68 COCOS DRIVE BIBRA LAKE WA 6163 (08) 9244 9288	
	OUTDOOR FAN USED ROSENBERG ASKD 630-6-6N.5KA A6	OUTDOOR	0.68	1.45			
	OUTDOOR FAN USED DELTA CONNECTION	INDOOR	1.7	2.8			
	INDOOR FAN USED ROSENBERG GKHM 355-CIE.112.5FA GEN3	CONTROL	150VA	0.66			
	MAIN SWITCH 63A	OUTDOOR FAN SPEED:	---				
		INDOOR FAN SPEED:	---				