



**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:
- DESIGNATION OF THE TIME DELAYED GLASS FUSES:
    - 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: A-H ARE 240V AC. TERMINALS: 1-26 ARE 24V AC. TERMINALS: 35-37 ARE 10V DC. TERMINALS: 27-34 ARE 24V DC.
  - HP AND LP SWITCHES ARE AUTO RESET. CAA CONTROLLER PROVIDES LOCKOUT FUNCTION.
  - THERMAL OVERLOAD RELAYS FOR COMPRESSORS ARE MANUAL 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 WHEN REPLACING THE CAA CONTROLLER THE CODE IS DISPLAYED ON THE LCD WHEN POWER IS APPLIED TO THE PCB.
  - DO NOT CONNECT ANY ADDITIONAL EQUIPMENT TO THE CONTROL TRANSFORMER OTHER THAN THE EQUIPMENT SHOWN ON THE ELECTRICAL DRAWING.

<b>MODEL:</b> HPA200R3AD		<b>COMPRESSOR</b>		<b>DRAWING No</b> EL180001	
<b>REF</b>	<b>OPTIONS DESCRIPTION</b>	<b>INPUT POWER kW</b>	13.73	<b>REV</b> 0	<b>DATE</b> 28.06.2023
	COMPRESSORS USED DANFOSS SH184A4LC.	<b>RATED LOAD AMP</b>	27.6	<b>GRD</b>	<b>APPROVED</b> P.V
	OUTDOOR FANS USED ROSENBERG AC FAN AKFD 800-6-6K.6LA A6.	<b>OVERLOAD SETTING</b>	29		<b>M.D</b>
	INDOOR FANS USED GKHM 560-CIE.175.6IF IE GEN3.	<b>FANS (EACH)</b>	<b>kW</b>	<b>FLA</b>	
		OUTDOOR	1.7	3.7	
		INDOOR	4.28	6.55	
		<b>CONTROL</b>	250VA	1.09	

LEGEND		COLOUR CODE	
-----	FIELD WIRING	r	RED
-----	CONTROL WIRING	w	WHITE
-----	240V/415V WIRING	b	BLUE
-----	CONTROL PARAMETER	bk	BLACK
○	SWITCHBOARD TERMINAL	br	BROWN
RV	REVERSING VALVE	gy	GREY
		gn	GREEN
		o	ORANGE
		p	PINK
		pu	PURPLE
		yl	YELLOW

