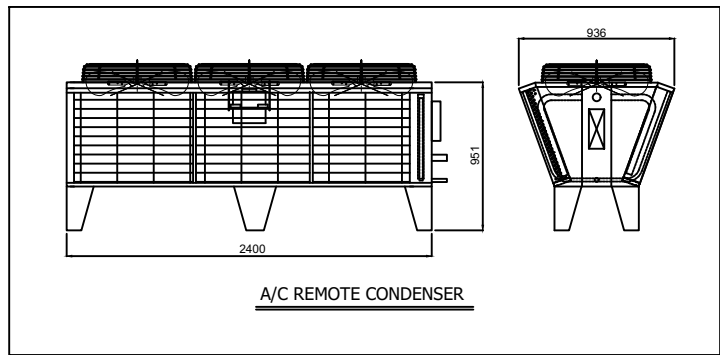
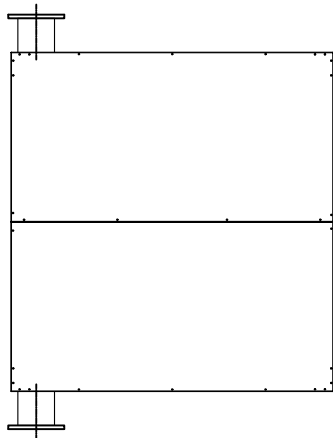
	Refrigerated Air Dryer		Rev.	Date	Prepared By	Checked By	Approved By
			1	2019.01.15	LEE.S.M.	JO.S.J.	KIM.H.W.
	Air Cooled Type		2				
			3				
4							
Project Name			-		Model Name		HYD-1200N
SPECIFICATION							
1							
2	Supply Voltage	380V	Inlet Flow Rate	180	Nm3/min		
3	Phase	3PH	Inlet Pressure	7	barg		
4	Frequency	60Hz	Inlet Temp.	38	°C		
5	Control use	220V	Outlet Flow Rate	165	Nm3/min		
6	Fulid	Compressed Air	Outlet Pressure	6.8	barg		
7	Location	Indoor	Outlet Temp.	28±5	°C		
8	Design Code	Maker STD.	Pressure Drop	0.2	bar		
9	Area Class	Non-Hazardous	Outlet Dew Point	2-10	°C		
10			Design Pressure	9.7	barg		
11			Design Temperature	70	°C		
12			Ambient Temperature	32	°C		
CONSTRUCTION							
13							
14	Refrigerant	R-22 or R-407C	Dryer Dimension (W x L x H)	2,000 X 1,900 X 2,150	mm		
15	Ref. Compressor Type	Scroll	R. Condenser Dim. (W x L x H)	2,400 X 936 X 951	mm		
16	Ref. Compressor Capacity	30 HP	Dryer Weight	1,400	kg		
17	Condenser Type	Remote, Air Cooled	R. Condenser Weight	310	kg		
18	Condenser Fan Motor	0.75 kW	Power Consumption	30.15	kW		
19		3 EA	Inlet Connection	200A	KS 10K SO.FF.		
20	Condenser Fan Size	630 mm	Outlet Connection	200A	KS 10K SO.FF.		
21	Condenser Capacity	30 HP	Drain Connection	15A	PT Female Screw		
22	Condenser Material	Aluminum & Copper	Color (Munsell)	5.7PB 4.1/9.9			
23	Heat Exchanger Type	Block		5.7PB 2.9/3.5			
24	Heat Exchanger Material	Aluminum					
25	Ref. Control Device	TEV					
26	Temp. Control Device	Hot Gas Bypass Valve					
27	Drain Trap Type	Level Sensor					
STANDRAD FEATURES AND CONTROL							
28							
29	Ref. Pressure Transmitter	YES	Ref. Compressor	YES			
30	Ref. Liquid Filter Dryer	YES	Expansion Valve	YES			
31	Overload Relay	YES	Hot Gas Bypass Valve	YES			
32	PCB Controller	YES	Air Cooled Condenser	YES			
33	4.3" TFT LCD	YES	Accumulator with Heat Exchanger	YES			
34	Air Pressure Gauge	YES	Liquid Ref. Receiver	NO			
35	Ref. Pressure Gauge	YES	Oil Separator	YES			
36	Dual Pressure Switch	NO	Circuit Breaker	YES			
37	Moisture Indicator	YES	Ref. Compressor Heater	YES			
38	Drain	YES					
NOTES							
39							
40							
41							
42							
43							
44							
45							
46							

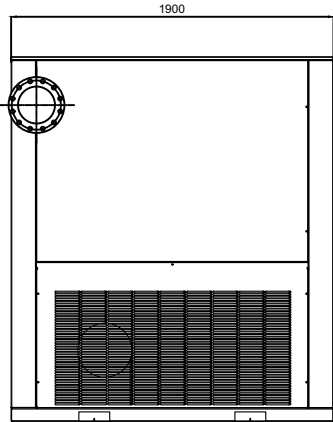
10-N0021-QAH-VSS
CON DWG



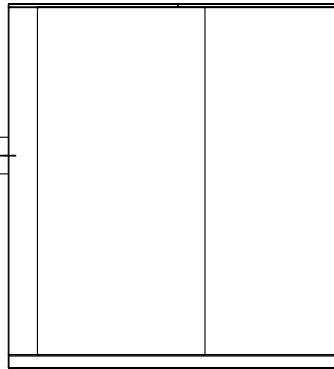
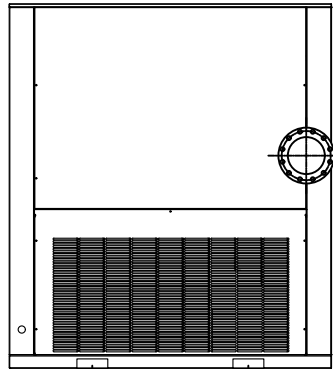
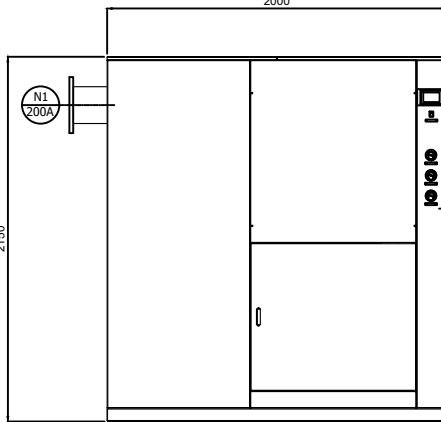
A/C REMOTE CONDENSER

SPECIFICATION	
INLET AIR TEMPERATURE	38°C
AMBIENT TEMPERATURE	32°C
DEW POINT	2~10°C @ PDP
INLET AIR PRESSURE	7 barg
CAPACITY	180 Nm ³ /min
AIR IN/OUT CONNECTION	200A KS 10K SO.FF.
A/C REMOTE CONDENSER	30HP
DIMENSION(WXLH, mm)	2,000 X 1,900 X 2150
DRYER / COND. WEIGHT	1,400 kg / 310 kg
POWER CONSUMPTION	30.15 kW
POWER SUPPLY	380V - 3PH - 50/60Hz

NOZZLE		
N1	AIR INLET	200A KS10K SO.FF.
N2	AIR OUTLET	200A KS10K SO.FF.



4-φ23 ANCHOR HOLE



REV.	DATE	DESCRIPTION	ENG	CHK	APPD	APPD
2018. 11. 26		ISSUED FOR REFERENCE				

PROJECT: -

MANUFACTURER: **GSA**
Global Standard Air & Gas

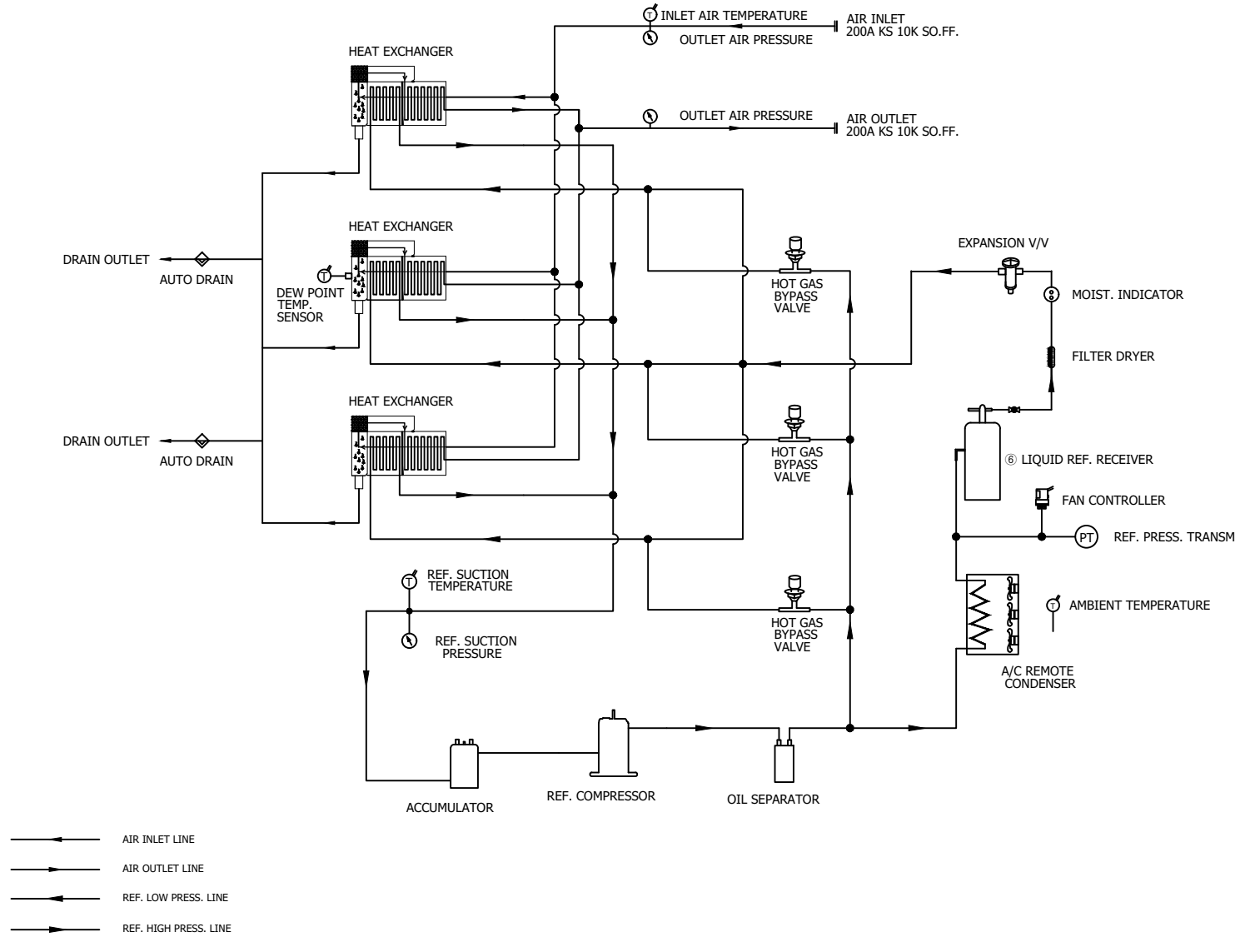
TITLE: **OUTLINE DRAWING**

ITEM NO. HYD-1200N DWG NO. GSA-HYD-1200N-01
SCALE: NONE



(A4 : 297mm x 210mm)

Z0-N0021-QAH-Y5S
ON DWG

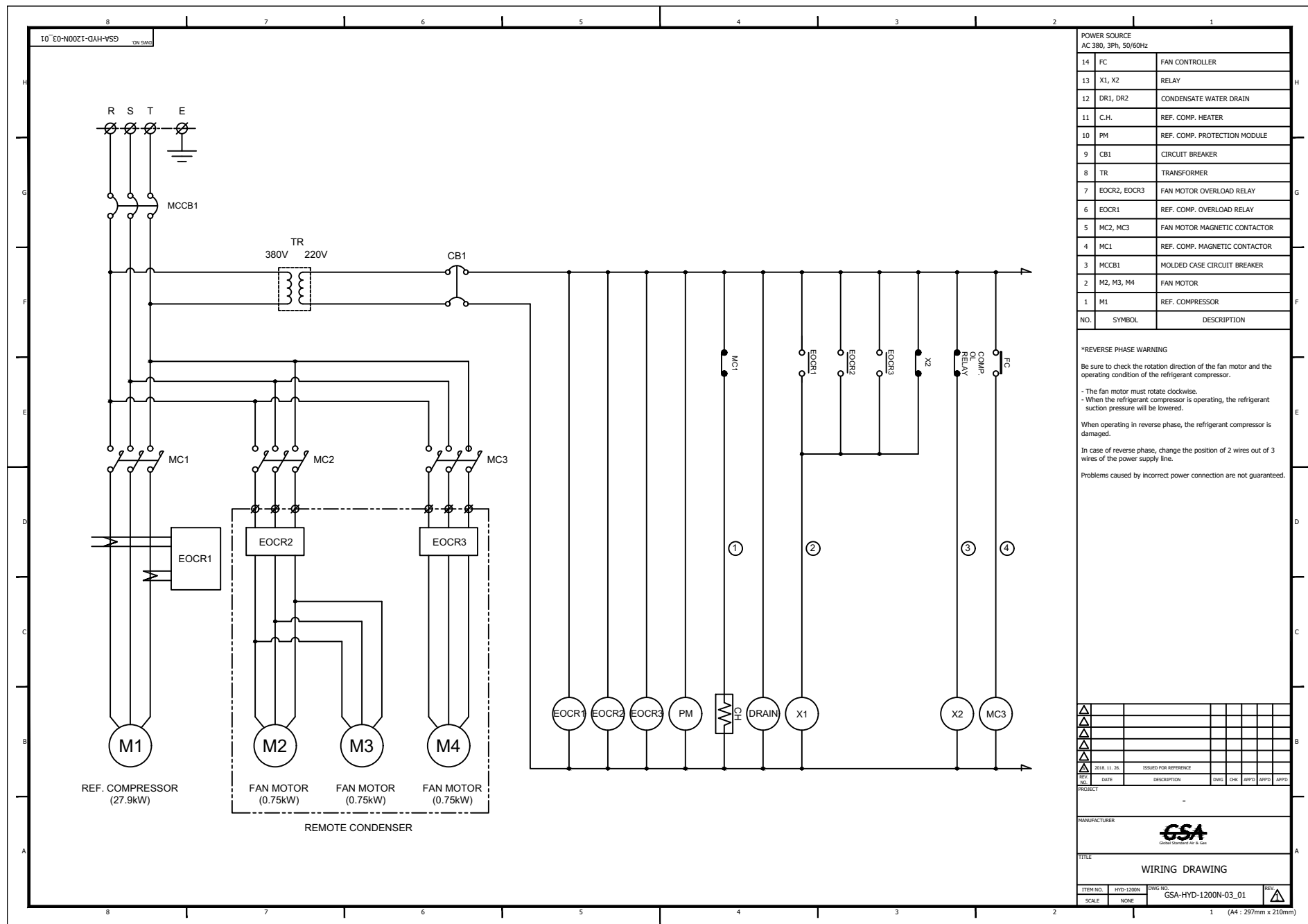


← AIR INLET LINE
→ AIR OUTLET LINE
↙ REF. LOW PRESS. LINE
↘ REF. HIGH PRESS. LINE

DEW POINT	2~10°C @ FDP		
INLET AIR PRESSURE	7.0 BARG		
INLET AIR TEMPERATURE	38°C		
CAPACITY	180 Nm ³ /min		
16	PRESS. GAUGE	OUTLET AIR	1
15	PRESS. GAUGE	INLET AIR	1
14	PRESS. GAUGE	REF. SUCTION	1
13	AUTO DRAIN	PT 15A	2
12	HGBV	-	3
11	ACCUMULATOR	-	1
10	HEAT EXCHANGER	400 HP	3
9	EXPANSION VALVE	30 TON	1
8	MOIST. INDICATOR	7/8"	1
7	FILTER DRYER	7/8"	1
6	REF. RECEIVER	-	1
5	FAN CONTROLLER	-	1
4	REF. PRESS. TRANSMIT.	-1 ~ 35 BAR	1
3	REMOTE CONDENSER	30 HP(COND. CAPACITY) (0.75kW, GP, 630F, 3EA)	1
2	OIL SEPARATOR	-	1
1	REF. COMPRESSOR	30HP (COOLING CAPACITY)	1
NO.	PART NAME	DESCRIPTION	QTY

▲								
▲								
▲								
▲								
▲								
▲	2020. 09. 16.	PARTS NUMBER DELETE						
▲	2018. 11. 26.	ISSUED FOR REFERENCE						
REV.	DATE	DESCRIPTION	ENG	CHK	APPD	APPD		
PROJECT	-							
MANUFACTURER								
TITLE	PIPING & INSTRUMENTATION DRAWING							
ITEM NO.	HYD-1200N	REV. NO.	GSA-HYD-1200N-02					REV.
SCALE	NONE							

(A4 : 297mm x 210mm)



POWER SOURCE AC 380, 3Ph, 50/60Hz		
14	FC	FAN CONTROLLER
13	X1, X2	RELAY
12	DR1, DR2	CONDENSATE WATER DRAIN
11	C.H.	REF. COMP. HEATER
10	PM	REF. COMP. PROTECTION MODULE
9	CB1	CIRCUIT BREAKER
8	TR	TRANSFORMER
7	EOCR2, EOCR3	FAN MOTOR OVERLOAD RELAY
6	EOCR1	REF. COMP. OVERLOAD RELAY
5	MC2, MC3	FAN MOTOR MAGNETIC CONTACTOR
4	MC1	REF. COMP. MAGNETIC CONTACTOR
3	MCCB1	MOLDED CASE CIRCUIT BREAKER
2	M2, M3, M4	FAN MOTOR
1	M1	REF. COMPRESSOR
NO.	SYMBOL	DESCRIPTION

***REVERSE PHASE WARNING**

Be sure to check the rotation direction of the fan motor and the operating condition of the refrigerant compressor.

- The fan motor must rotate clockwise.
- When the refrigerant compressor is operating, the refrigerant suction pressure will be lowered.

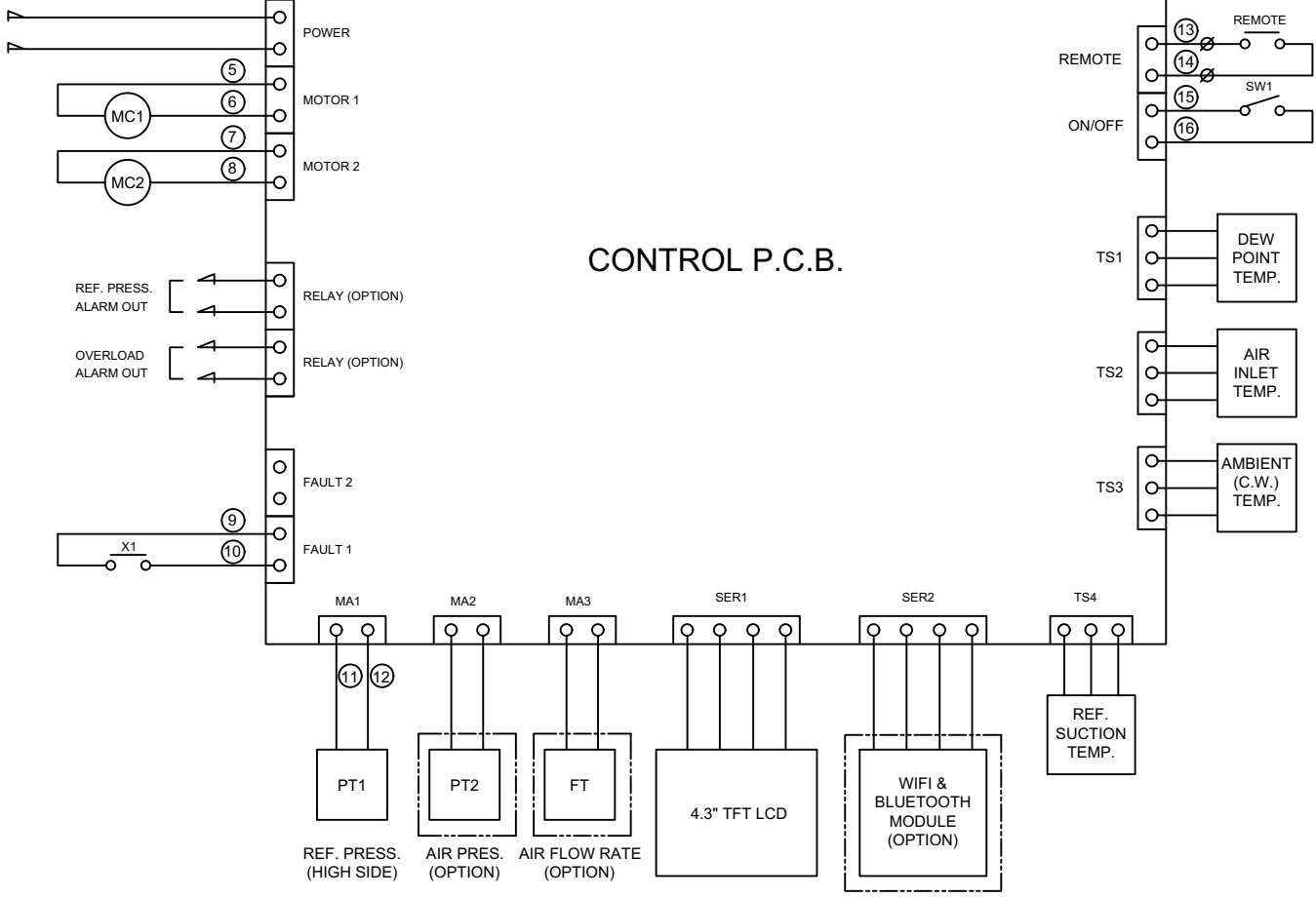
When operating in reverse phase, the refrigerant compressor is damaged.

In case of reverse phase, change the position of 2 wires out of 3 wires of the power supply line.

Problems caused by incorrect power connection are not guaranteed.

REV. NO.		DATE		DESCRIPTION		DWG. CHK		APPD.		APPD.	
PROJECT: -											
MANUFACTURER: GSA Global Standard Air & Gas											
TITLE: WIRING DRAWING											
ITEM NO.		HYD-1200N		DWG. NO.		GSA-HYD-1200N-03_01		REV.		A	
SCALE		NONE								1 (A4: 297mm x 210mm)	

FROM
GSA-HYD-1200N-03_01



CONTROL P.C.B.

POWER SOURCE AC 380, 3Ph, 50/60Hz		
14	FC	FAN CONTROLLER
13	X1, X2	RELAY
12	DR1, DR2	CONDENSATE WATER DRAIN
11	C.H.	REF. COMP. HEATER
10	PM	REF. COMP. PROTECTION MODULE
9	CB1	CIRCUIT BREAKER
8	TR	TRANSFORMER
7	EOCR2, EOCR3	FAN MOTOR OVERLOAD RELAY
6	EOCR1	REF. COMP. OVERLOAD RELAY
5	MC2, MC3	FAN MOTOR MAGNETIC CONTACTOR
4	MC1	REF. COMP. MAGNETIC CONTACTOR
3	MCCB1	MOLDED CASE CIRCUIT BREAKER
2	M2, M3, M4	FAN MOTOR
1	M1	REF. COMPRESSOR
NO.	SYMBOL	DESCRIPTION

***REVERSE PHASE WARNING**

Be sure to check the rotation direction of the fan motor and the operating condition of the refrigerant compressor.

- The fan motor must rotate clockwise.
- When the refrigerant compressor is operating, the refrigerant suction pressure will be lowered.

When operating in reverse phase, the refrigerant compressor is damaged.

In case of reverse phase, change the position of 2 wires out of 3 wires of the power supply line.

Problems caused by incorrect power connection are not guaranteed.

REV. NO.	DATE	DESCRIPTION	ENG	CHK	APPD	APPD	APPD
2018. 11. 26.		ISSUED FOR REFERENCE					

PROJECT: -

MANUFACTURER: **GSA**
Global Service Air & Gas

TITLE: **WIRING DRAWING**

ITEM NO.	HYD-1200N	DWG NO.	GSA-HYD-1200N-03_02	REV.	△
SCALE	NONE				