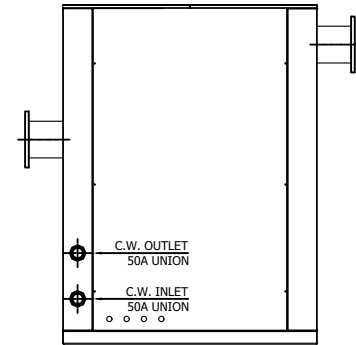
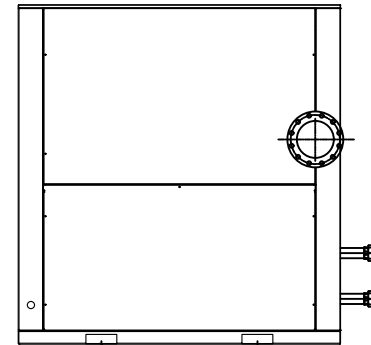
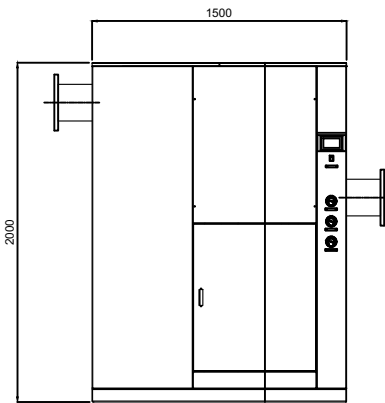
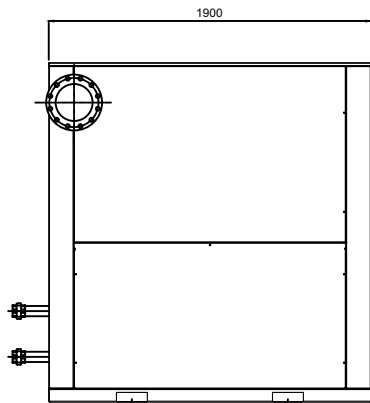
	Refrigerated Air Dryer		Rev.	Date	Prepared By	Checked By	Approved By
			A	2020.09.23	WOO.I.H.	JO.S.J.	KIM.H.W.
	Water Cooled Type		B				
			C				
			D				
Project Name		-	Model Name		HYD-900WN		
SPECIFICATION							
1							
2	Supply Voltage	380V	Inlet Flow Rate	140	Nm3/min		
3	Phase	3PH	Inlet Pressure	7	barg		
4	Frequency	60Hz	Inlet Temperature	38	°C		
5	Control use	220V	Outlet Flow Rate	140	Nm3/min		
6	Fulid	Compressed Air	Outlet Pressure	6.8	barg		
7	Location	Indoor	Outlet Temperature	28±5	°C		
8	Design Code	Maker STD.	Pressure Drop	0.2	bar		
9	Area Class	Non-Hazardous	Outlet Dew Point	2~10	°C@PDP		
10	Cooling Water Capacity	267 L/min	Design Pressure	9.7	barg		
11	Cooling Water Pressure	2 ~ 3 barg	Design Temperature	70	°C		
12	Cooling Water Temperature	32 °C	Ambient Temperature	32	°C		
CONSTRUCTION							
13							
14	Refrigerant	R-22	Dimension (W x L x H)	1,500 X 1,900 X 2000	mm		
15	Ref. Compressor Type	Scroll	Weight	1,010	kg		
16	Ref. Compressor Capacity	25 HP	Power Consumption	23.2	kW		
17	Condenser Type	Water Cooled	Inlet Connection	200A	KS 10K SO.FF.		
18	Condenser Capacity	25 HP	Outlet Connection	200A	KS 10K SO.FF.		
19	Heat Exchanger Type	Block	Cooling Water Connection	50A	PT Union		
20	Heat Exchanger Material	Aluminum	Drain Connection	15A	PT Female Screw		
21	Ref. Control Device	TEV	Color (Munsell)	5.7PB 4.1/9.9			
22	Temp. Control Device	Hot Gas Bypass Valve		5.7PB 2.9/3.5			
23	Drain Trap Type	Level Sensor					
STANDRAD FEATURES AND CONTROL							
24							
25	Ref. Compressor	YES	Auto Drain	YES			
26	Water Cooled Condenser	YES	Hot Gas Bypass Valve	YES			
27	Cooling Water Regulating Valve	YES	Suction Line Accumulator	YES			
28	Liquid Ref. Receiver	YES	Oil Separator	YES			
29	Filter Dryer	YES	Ref. Pressure Switch	NO			
30	Expansion Valve	YES	4.3" TFT LCD	YES			
31	Heat Exchanger	YES	PCB Controller	YES			
32	Ref. Pressure Transmitter	YES					
33	Air Pressure Gauge	YES					
34	Ref. Pressure Gauge	YES					
NOTES							
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10-NM0060-QAH-VSD
CON DWG

AIR INLET
200A KS10K SO.FF.

AIR OUTLET
200A KS10K SO.FF.

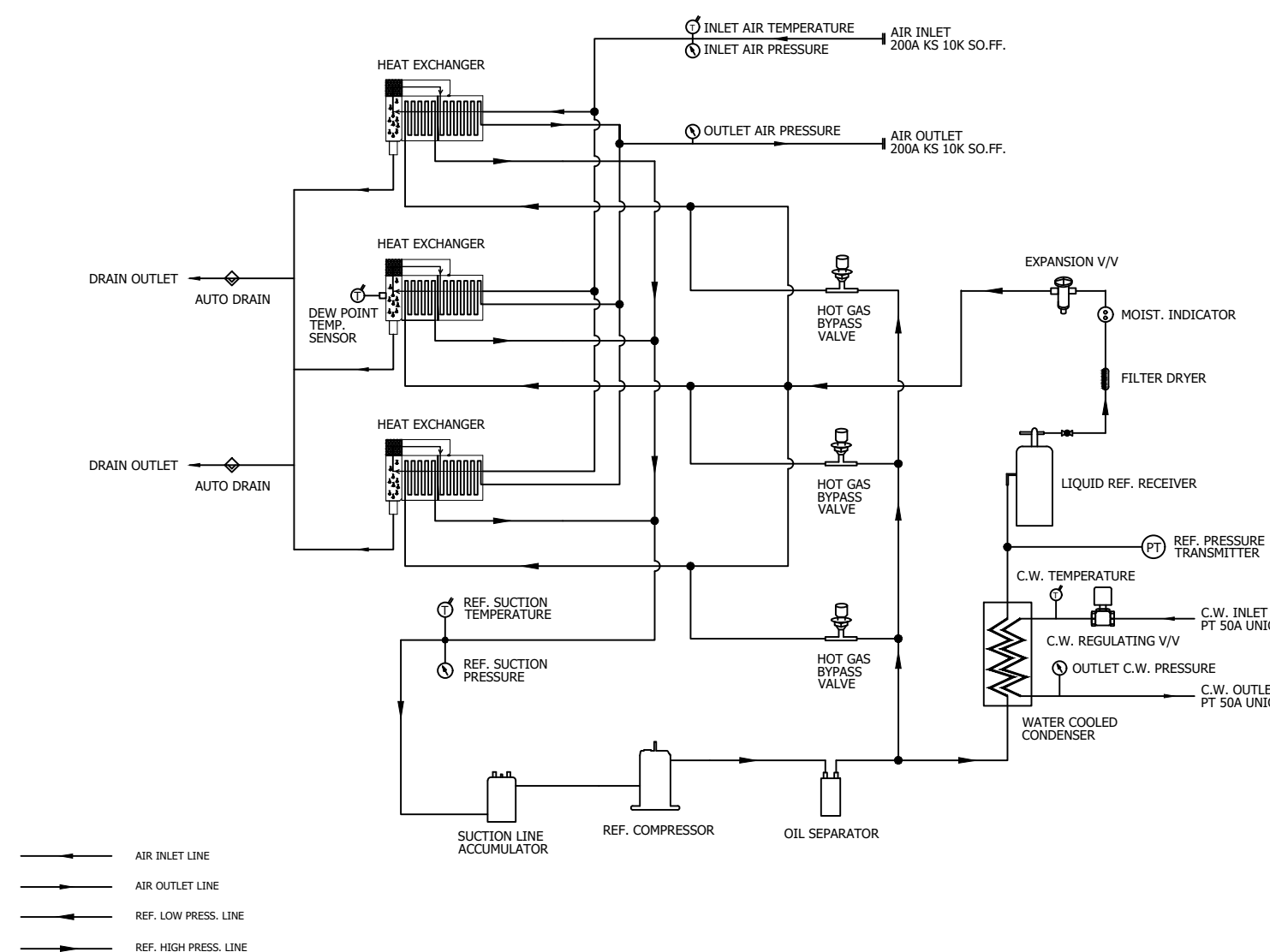
SPECIFICATION	
INLET AIR TEMPERATURE	38°C
AMBIENT TEMPERATURE	32°C
C.W. TEMP. / PRESS.	32°C / 2~3 barg
INLET AIR PRESSURE	7 barg
CAPACITY	140.0 Nm ³ /min
AIR IN/OUT CONNECTION	200A KS 10K SO.FF.
C.W IN/OUT CONNECTION	PT 50A
DIMENSION(WXDxH, mm)	1,500 X 1,900 X 2,000
WEIGHT	1,010 kg
POWER CONSUMPTION	23.2 kW
POWER SUPPLY	380/440V - 3PH - 50/60Hz



REV.	DATE	DESCRIPTION	ENG.	CHK.	APPD.	APPD.
2020.09.23		ISSUED FOR REFERENCE				
PROJECT						
MANUFACTURER						
 <small>Globe Standard Air & Gas</small>						
TITLE						
OUTLINE DRAWING						
ITEM NO.	HYD-900WN	DWG NO.		GSA-HYD-0900WN-01		
SCALE	NONE			REV.		

(A4 : 297mm x 210mm)

Z0-NA0060-QAH-VSD
CON SWG



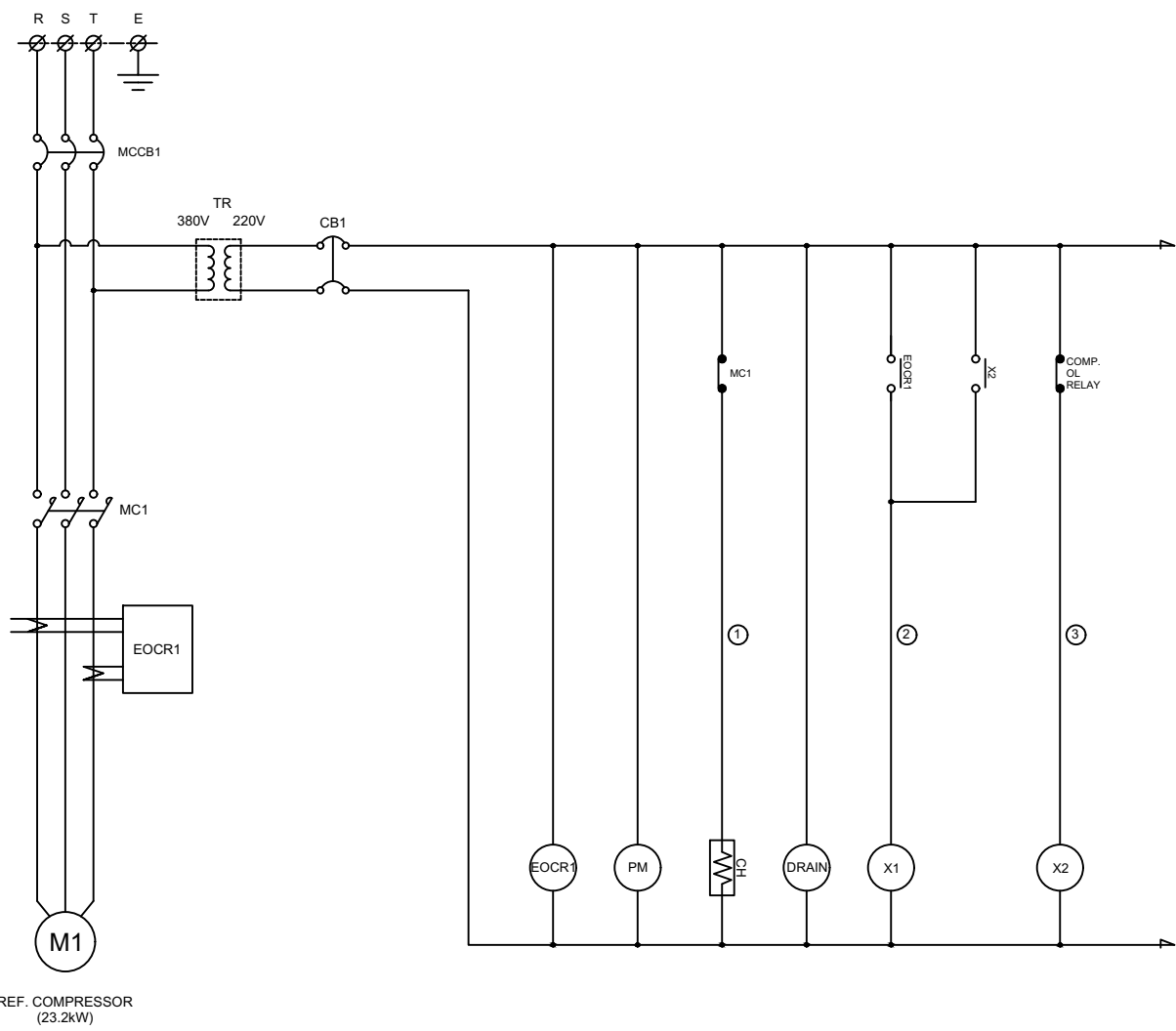
- ← AIR INLET LINE
- AIR OUTLET LINE
- ← REF. LOW PRESS. LINE
- REF. HIGH PRESS. LINE

DEW POINT	2~10°C @ FDP		
INLET AIR PRESSURE	7.0 barg		
INLET AIR TEMPERATURE	38°C		
CAPACITY	140 Nm ³ /min		
17	PRESS. GAUGE	OUTLET COOLING WATER	1
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	-	1
11	ACCUMULATOR	-	1
10	HEAT EXCHANGER	300 HP	3
9	EXPANSION VALVE	25 TON	1
8	MOIST. INDICATOR	7/8"	1
7	FILTER DRYER	7/8"	1
6	REF. RECEIVER	-	1
5	REF. PRESS. TRANSMIT.	-1 ~ 35BAR	1
4	C.W. REGUL. V/V	PT 50A	1
3	W.C. CONDENSER	25 HP (CONDENSING CAPACITY)	1
2	OIL SEPARATOR	-	1
1	REF. COMPRESSOR	25 HP (COOLING CAPACITY)	1
NO.	PART NAME	DESCRIPTION	QTY

△										
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2020. 09. 23	ISSUED FOR REFERENCE									
REV.	DATE	DESCRIPTION	ENG	CHK	APPO	APPO				
PROJECT	-									
MANUFACTURER	GSA Global Standard Air & Gas									
TITLE	PIPING & INSTRUMENTATION DRAWING									
ITEM NO.	HYD-900WN	EDWG NO.	GSA-HYD-0900WN-02							REV.
SCALE	NONE									

(A4 : 297mm x 210mm)

10° E0-NM0060-QAH-VSSD
ON SWG



POWER SOURCE		
AC 380/440V, 3Ph, 50/60Hz		
10	X1, X2	RELAY
9	DRAIN	CONDENSATE WATER DRAIN
8	C.H.	REF. COMP. HEATER
7	PM	
6	CB1	REF. COMP. CIRCUIT BREAKER CIRCUIT REJECTION MODULE
5	TR	TRANSFORMER
4	EOCR1	REF. COMP. OVERLOAD RELAY
3	MC1	
2	MCCB1	REF. COMP. MAGNETIC CONTACTOR
1	M1	REF. COMP. CIRCUIT BREAKER
NO.	SYMBOL	DESCRIPTION

***REVERSE PHASE WARNING**
 Be sure to check the operating condition of the refrigerant compressor.
 - 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.

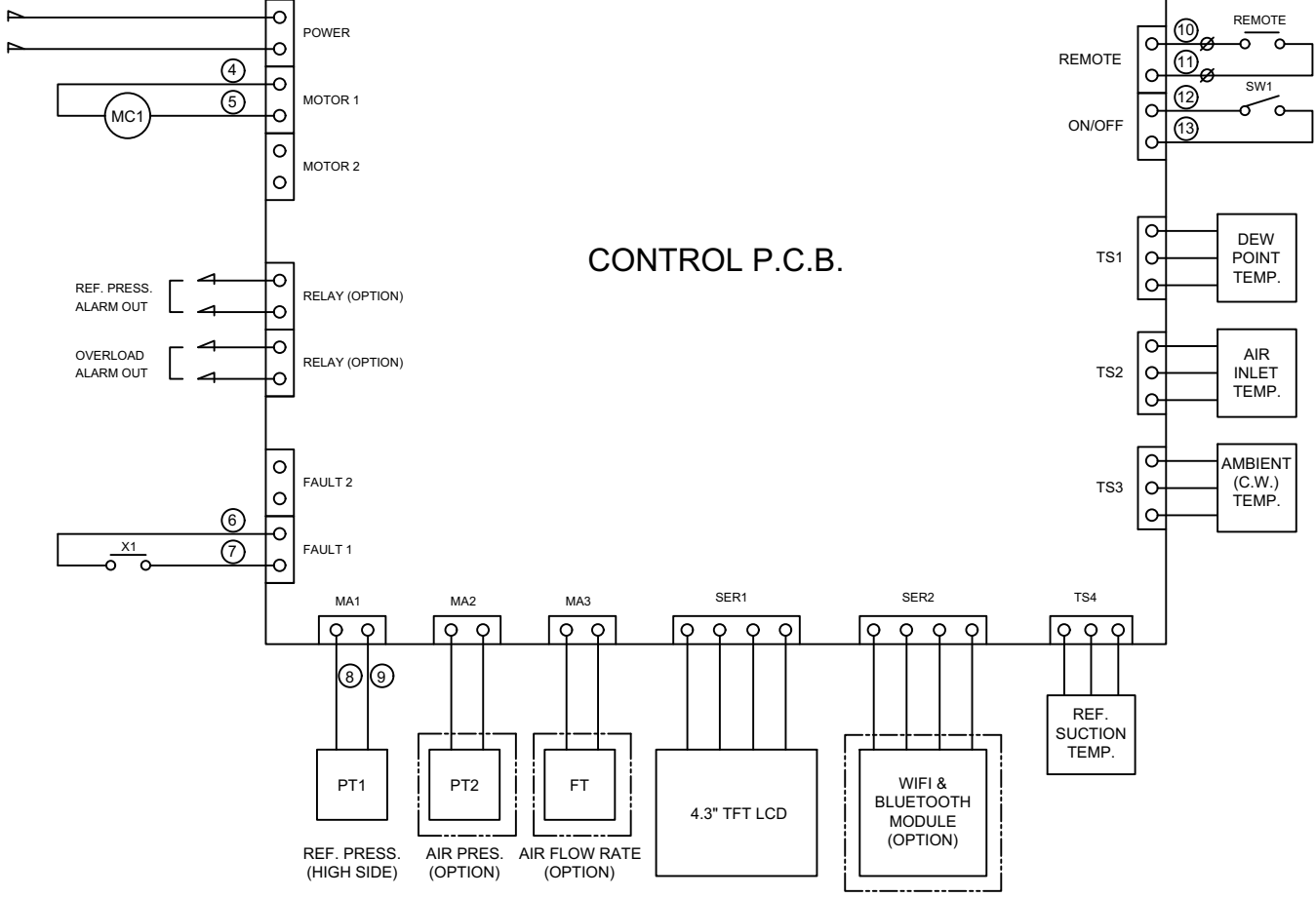
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△	2020.09.23	ISSUED FOR REFERENCE							
REV.	DATE	DESCRIPTION	ENG	CHK	APPD	APPD	APPD	APPD	APPD
PROJECT									

MANUFACTURER
GSA
Global Standard Air & Gas

TITLE
WIRING DRAWING

ITEM NO.	HYD-900W	EDWG NO.	GSA-HYD-0900WN-03_01	REV.	△
SCALE	NONE				

FROM
GSA-HYD-0900WN-03_01



POWER SOURCE		
AC 380/440V, 3Ph, 50/60Hz		
10	X1, X2	RELAY
9	DRAIN	CONDENSATE WATER DRAIN
8	C.H.	REF. COMP. HEATER
7	PM	REF. COMP. PROTECTION MODULE
6	CB1	CIRCUIT BREAKER
5	TR	TRANSFORMER
4	EOCR1	REF. COMP. OVERLOAD RELAY
3	MC1	REF. COMP. MAGNETIC CONTACTOR
2	MCCB1	MOLDED CASE CIRCUIT BREAKER
1	M1	REF. COMPRESSOR
NO.	SYMBOL	DESCRIPTION

***REVERSE PHASE WARNING**

Be sure to check the operating condition of the refrigerant compressor.

- 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	ENGR	CHK	APPD	APPD	APPD
2018. 11. 26.		ISSUED FOR REFERENCE					

PROJECT: _____

MANUFACTURER: **GSA**
Global Service Automation & Control

TITLE: **WIRING DRAWING**

ITEM NO.	HYD-900WN	DWG NO.	GSA-HYD-0900WN-03_02	REV.	△
SCALE	NONE				