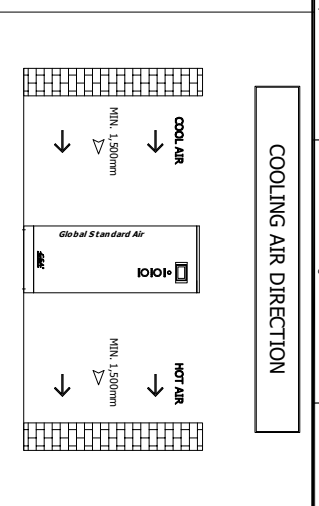
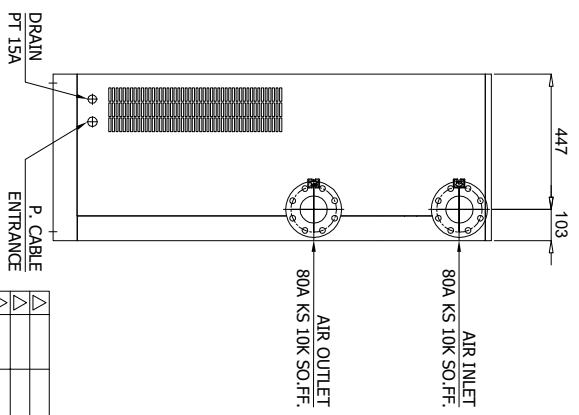
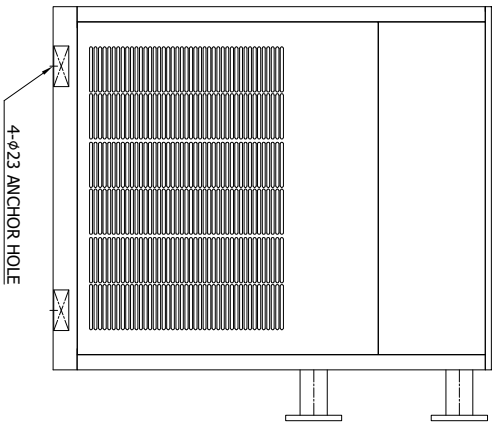
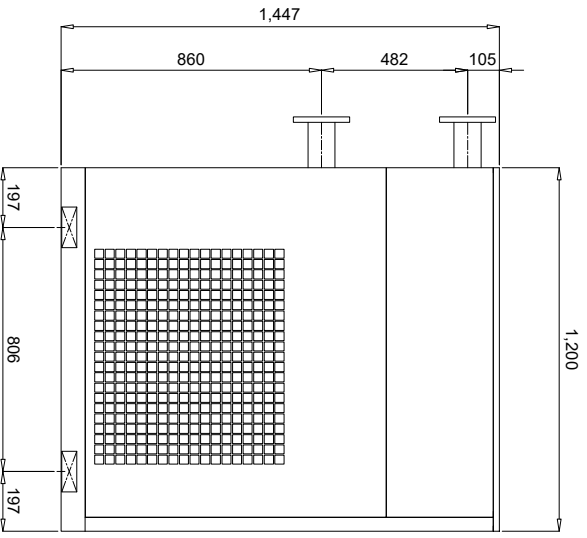
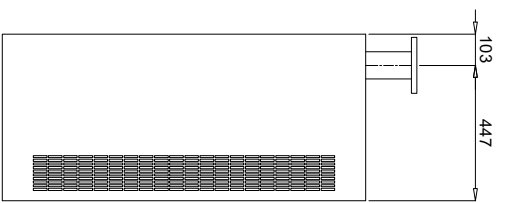
	Refrigerated Air Dryer		Rev.	Date	Prepared By	Checked By	Approved By
			A	2019.01.15	LEE.S.M.	JO.S.J.	KIM.H.W.
	Air Cooled Type		B				
			C				
			D				
Project Name		-	Model Name		HYD-200N		
SPECIFICATION							
1							
2	Supply Voltage	380V	Inlet Flow Rate	30	Nm ³ /min		
3	Phase	3PH	Inlet Pressure	7	barg		
4	Frequency	60Hz	Inlet Temp.	38	°C		
5	Control use	220V	Outlet Flow Rate	30	Nm ³ /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	Dimension (W x L x H)	550 X 1200 X 1447	mm		
15	Ref. Compressor Type	Scroll	Weight	240	kg		
16	Ref. Compressor Capacity	5 HP	Power Consumption	4.18	kW		
17	Condenser Type	Air Cooled	Inlet Connection	80A	KS 10K SO.FF.		
18	Condenser Fan Motor	0.4 kW	Outlet Connection	80A	KS 10K SO.FF.		
19		1 EA	Drain Connection	15A	PT Female Screw		
20	Condenser Fan Size	600 mm	Color (Munsell)	5.7PB 4.1/9.9			
21	Condenser Capacity	4 HP		5.7PB 2.9/3.5			
22	Condenser Material	Aluminum & Copper					
23	Heat Exchanger Type	Block					
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	YES			
34	Air Pressure Gauge	YES	Liquid Ref. Receiver	YES			
35	Ref. Pressure Gauge	YES	Oil Separator	NO			
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							



SPECIFICATION	
INLET AIR TEMPERATURE	38°C
AMBIENT TEMPERATURE	32°C
INLET AIR PRESSURE	7 barg
CAPACITY	30.0 Nm ³ /min
IN/OUT CONNECTION	80A KS 10K SO.FF.
DIMENSION(WXDXH:mm)	550 X 1,200 X 1,447
WEIGHT	240 kg
POWER CONSUMPTION	4.18 kW
POWER SUPPLY	380/440V - 3PH - 50/60HZ



REV.	DATE	DESCRIPTION	CHG.	CHK.	APP'D.	APP'D.
1	2024.11.26	ISSUED FOR REFERENCE				
2						
3						
4						
5						

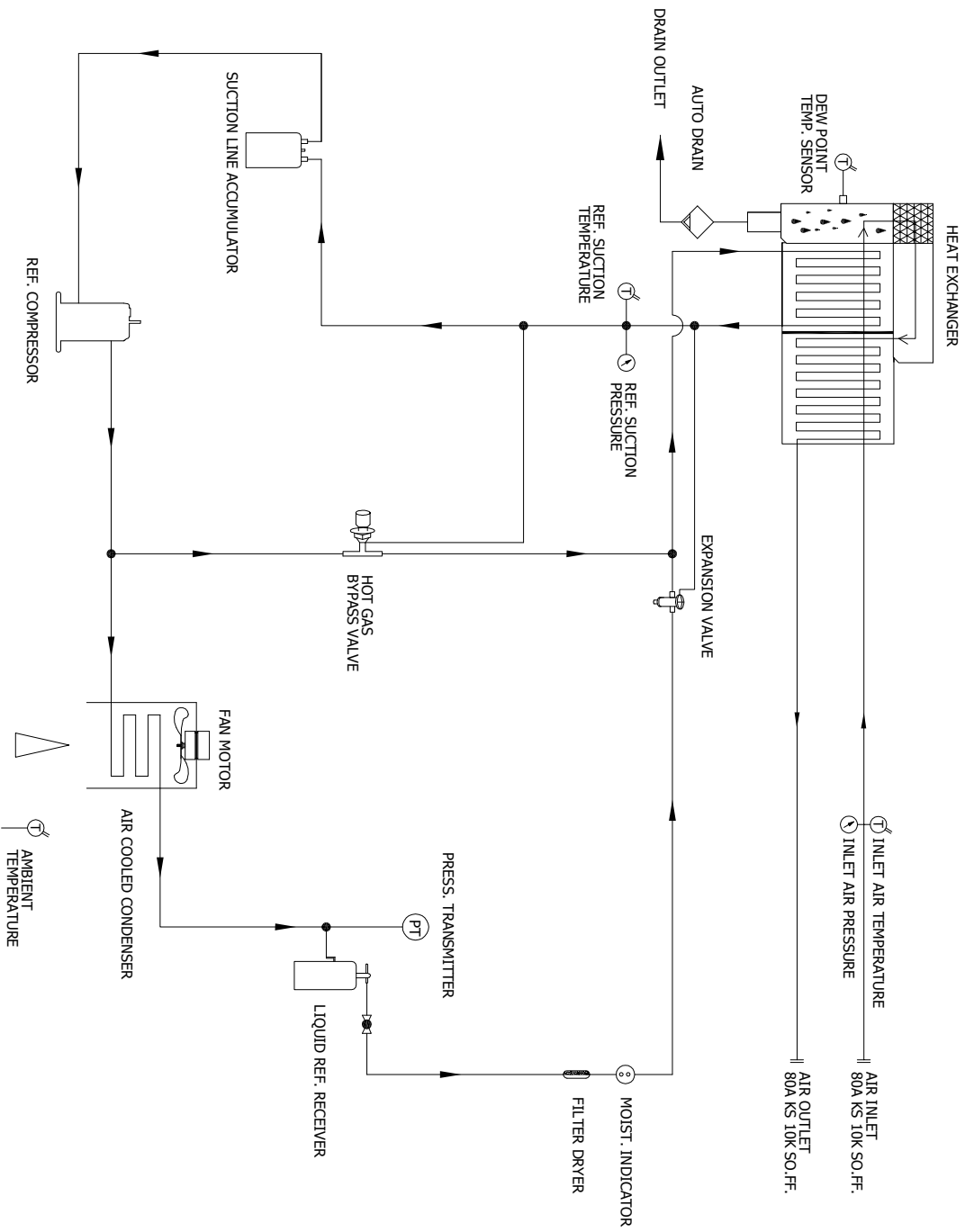


OUTLINE DRAWING

TITLE	OUTLINE DRAWING					
MANUFACTURER	GSA					
ITEM NO.	HND-20M	DWG NO.	CSA-HYD-0200K-01	REV.	A	
SCALE	NONE					

NO.	PART NAME	DESCRIPTION	QTY
1	REF. COMPRESSOR	(COOLING CAPACITY)	1
2	A/C CONDENSER	(CONDENSING CAPACITY)	1
3	FAN MOTOR	0.4KW 6P #600	1
4	PRESS. TRANSMIT.	-1 ~ 35 BAR	1
5	REF. RECEIVER	-	1
6	FILTER DRYER	1/2"	1
7	MOIST. INDICATOR	1/2"	1
8	EXPANSION VALVE	5 TON	1
9	HEAT EXCHANGER	200 HP	1
10	ACCUMULATOR	-	1
11	HGRV	-	1
12	AUTO DRAIN	PT 15A	1
13	PRESS. GAUGE	REF. SUCTION	1
14	PRESS. GAUGE	INLET AIR	1

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

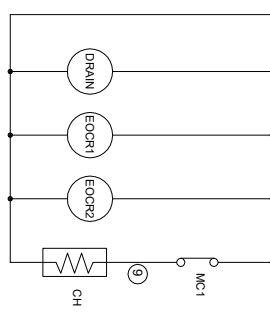
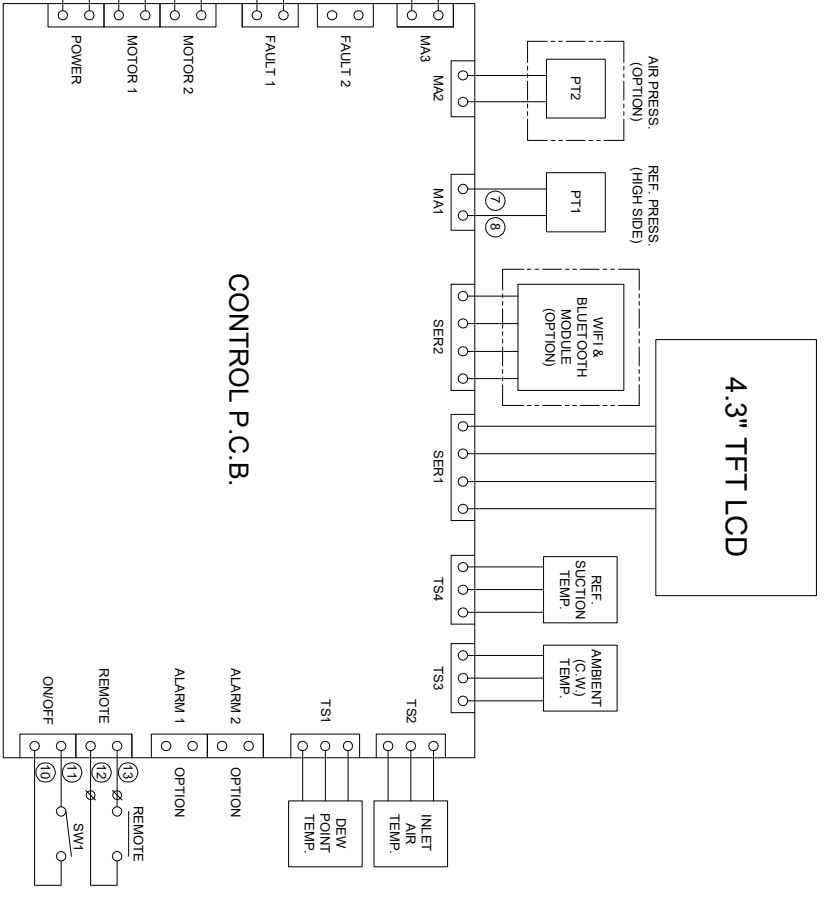
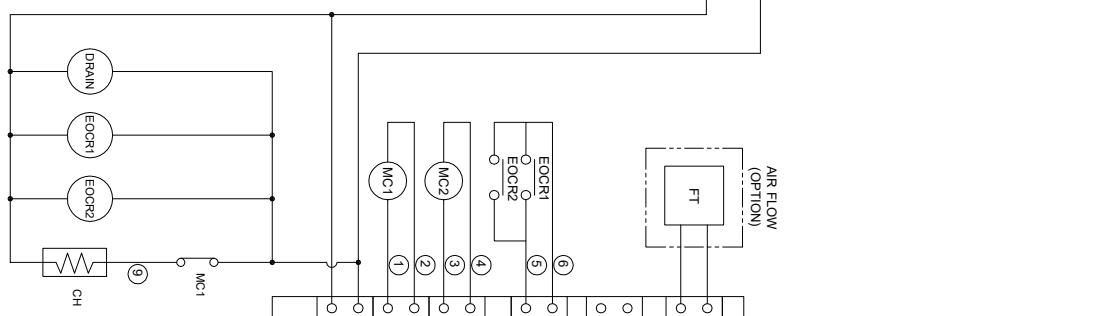
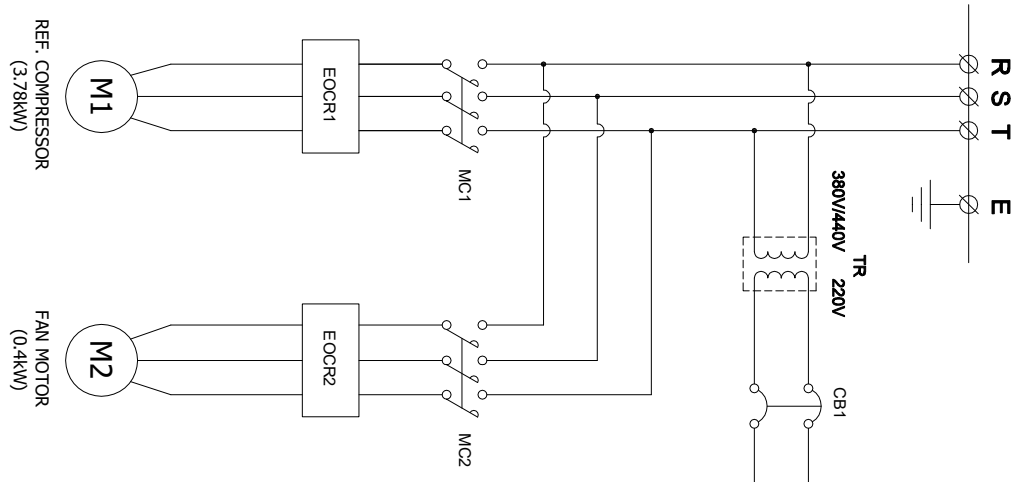


REV. NO.	DATE	DESCRIPTION	CHG.	CHK.	APP'D.
1					
2					
3					
4					
5					
6					
7					
8					



PIPING & INSTRUMENTATION DRAWING

ITEM NO.	REV. NO.	DATE	DESCRIPTION	CHG.	CHK.	APP'D.
1	1					



NO.	SYMBOL	DESCRIPTION
POWER SOURCE AC 380/440V, 3ph, 50/60Hz		
11	MA1 ~ MA3	PRESSURE & FLOW SENSOR
10	TR	TRANSFORMER
9	SW1	SYSTEM ON/OFF SWITCH
8	C.H.	REF. COMP. HEATER
7	DRAIN	AUTO DRAIN VALVE
6	TS1 ~ TS4	TEMP. SENSOR
5	CB1	CIRCUIT BREAKER(CTR)
4	MC1, MC2	MAGNETIC CONTACTOR
3	EOCR1, EOCR2	OVERLOAD RELAY
2	M2	FAN MOTOR
1	M1	REF. COMPRESSOR

***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.	APP'D.	APP'D.
1	2018.11.16	ISSUED FOR REFERENCE				

MANUFACTURER
GSA
 THE GROUP OF AUTOMATIC SENSORS

TITLE
WIRING DRAWING

ITEM NO. HFD-20W DWG NO. GSA-HFD-0200N-03
 SCALE NONE
 REL. (44. x 297mm x 210mm)