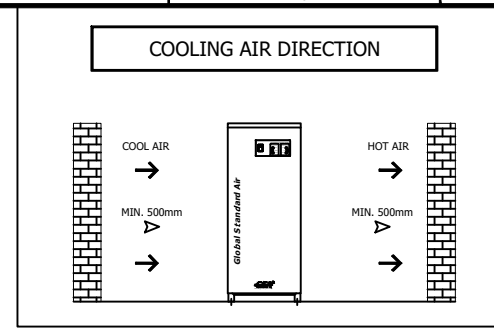
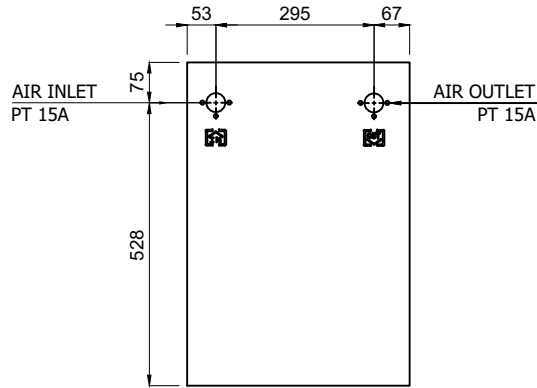
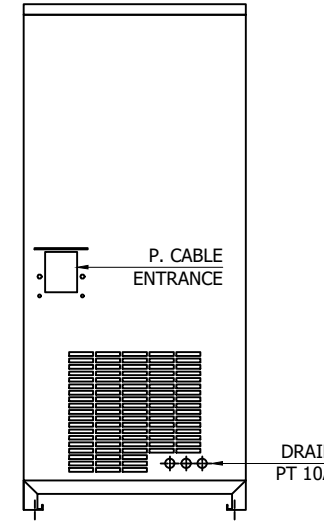
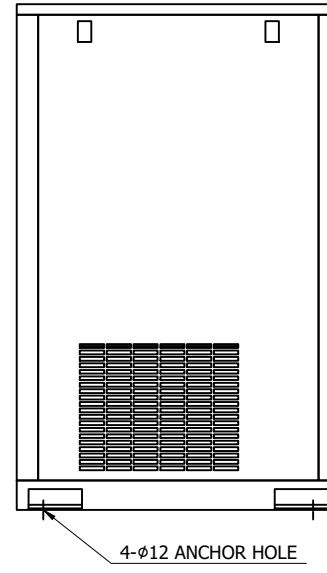
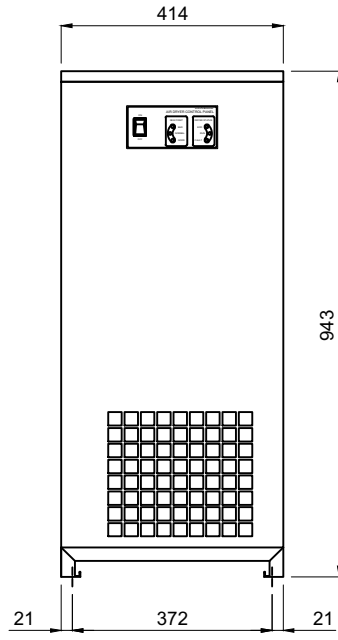
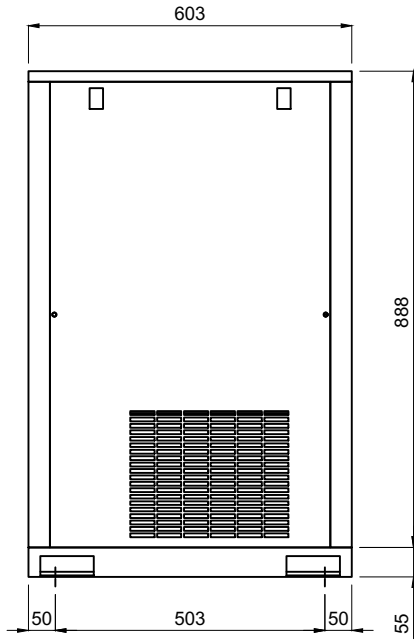

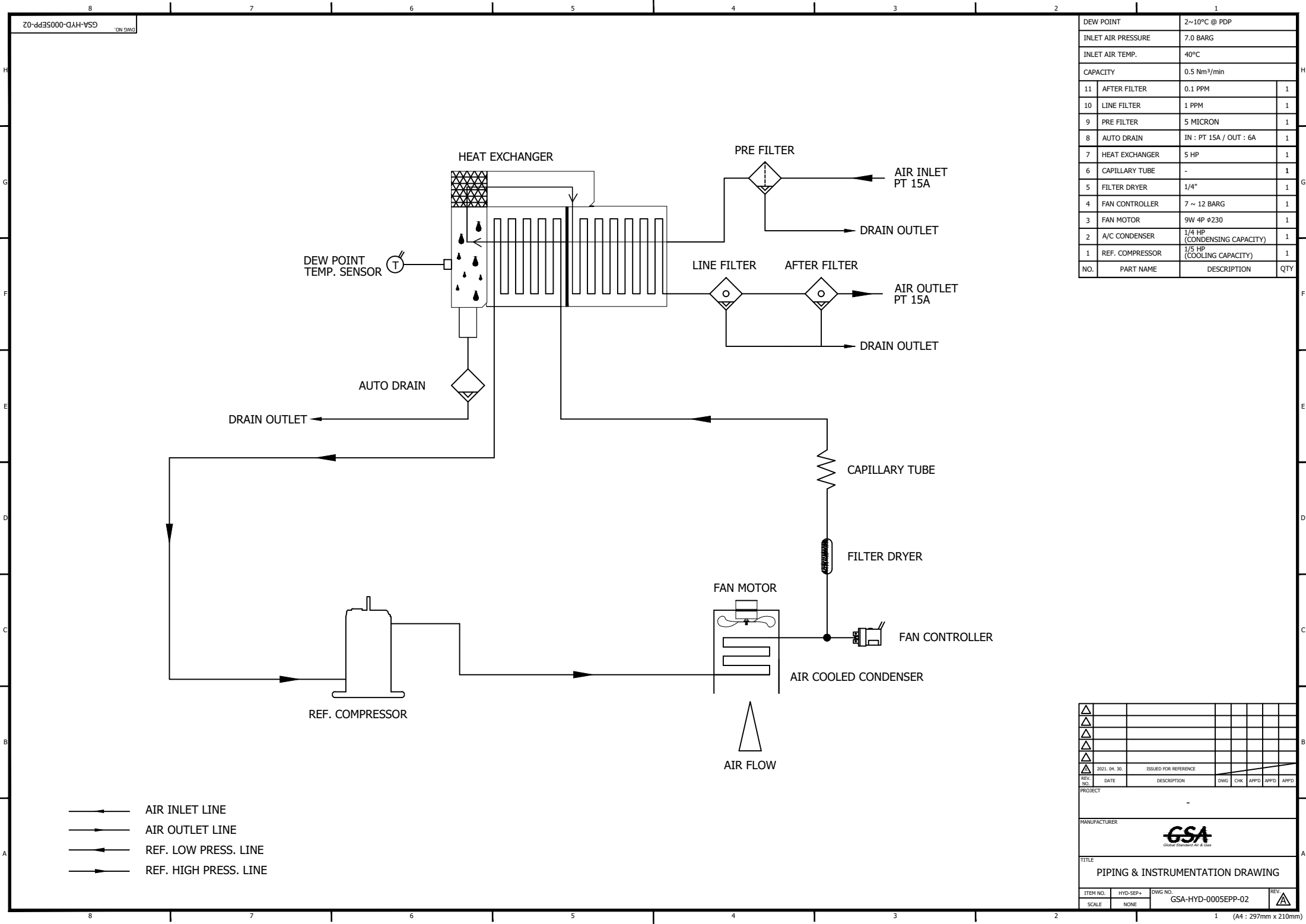
	Refrigerated Air Dryer		Rev.	Date	Prepared By	Checked By	Approved By
			1	2021.04.27	LEE.G	JO.S.J.	KIM.H.W.
	Eco Pro Plus		2				
			3				
4							
Project Name		-		Model Name		HYD-5EP*	
SPECIFICATION							
1							
2	Supply Voltage	220V		Inlet Flow Rate	0.5 Nm3/min		
3	Phase	1PH		Inlet Pressure	7 barg		
4	Frequency	60Hz		Inlet Temp.	40 °C		
5	Control use	220V		Outlet Flow Rate	0.5 Nm3/min		
6	Fulid	Compressed Air		Outlet Pressure	6.5 barg		
7	Location	Indoor		Outlet Temp.	32±5 °C		
8	Design Code	Maker STD.		Pressure Drop (Element : Dry)	0.5 bar		
9	Area Class	Non-Hazardous		Outlet Dew Point	2~10 °C		
10				Design Pressure	9.7 barg		
11				Design Temperature	60 °C		
12				Ambient Temperature	32 °C		
CONSTRUCTION							
13							
14	Refrigerant	R-134A		Dimension (W x L x H)	415 X 603 X 943 mm		
15	Ref. Compressor Type	Recipro Hemertic		Weight	41 kg		
16	Ref. Compressor Capacity	1/5 HP		Min. Power Consumption	0.15 kW		
17	Condenser Type	Air Cooled		Inlet Connection	15A	PT Female Screw	
18	Condenser Fan Motor	9 W		Outlet Connection	15A	PT Female Screw	
19		1 EA		Drain Connection	10A	PT Female Screw	
20	Condenser Fan Size	230 mm		Color (Munsell)	5.7PB 4.1/9.9		
21	Condenser Capacity	1/4 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	Capillary Tube					
26	ECO Mode Control	Dew Point Temp. Control					
27	Drain Trap Type	Auto Float					
STANDRAD FEATURES AND CONTROL							
28							
29	Fan Controller	YES		Ref. Compressor	YES		
30	Ref. Liquid Filter Dryer	YES		Capillary Tube	YES		
31	Overload Relay	NO		Hot Gas Bypass Valve	NO		
32	PCB Controller	YES		Air Cooled Condenser	YES		
33	Fan Motor Test Button	NO		Accumulator	NO		
34	Air Pressure Gauge	NO		Liquid Ref. Receiver	NO		
35	Ref. Pressure Gauge	NO		Pre-filter	YES		
36	High Pressure Switch	NO		Line-filter	YES		
37	Moisture Indicator	NO		After-filter	YES		
38	Drain	YES					
NOTES							
39							
40							
41							
42							
43							
44							
45							
46							




SPECIFICATION	
INLET AIR TEMPERATURE	40°C
AMBIENT TEMPERATURE	32°C
INLET AIR PRESSURE	7 barg
CAPACITY	0.5 Nm ³ /min
IN/OUT CONNECTION	PT 15A
DIMENSION(WXDXH, mm)	414 X 603 X 943
WEIGHT	41 kg
MIN. POWER CONSUMPTION	0.15 kW
POWER SUPPLY	220V - 1PH - 60Hz

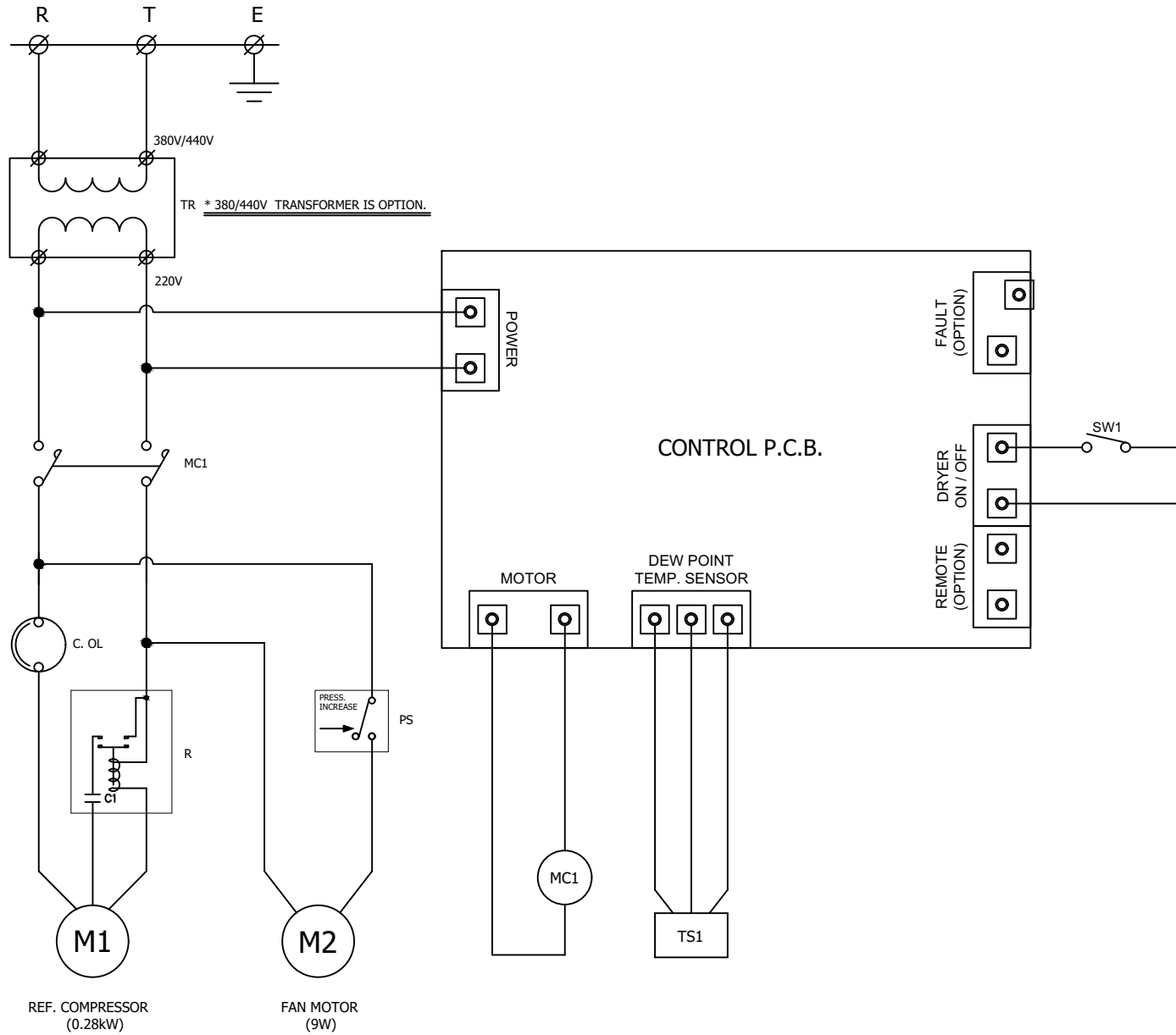


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△	2021. 04. 30.	ISSUED FOR REFERENCE							
REV. NO.	DATE	DESCRIPTION	DWG	CHK	APPD	APPD	APPD	APPD	APPD
PROJECT									
MANUFACTURER									
 Global Standard Air & Gas									
TITLE									
OUTLINE DRAWING									
ITEM NO.	HYD-SEP+	DWG NO.	REV.						
SCALE	NONE	GSA-HYD-0005EPP-01	△						




DEW POINT		2~10°C @ PDP	
INLET AIR PRESSURE		7.0 BARG	
INLET AIR TEMP.		40°C	
CAPACITY		0.5 Nm³/min	
11	AFTER FILTER	0.1 PPM	1
10	LINE FILTER	1 PPM	1
9	PRE FILTER	5 MICRON	1
8	AUTO DRAIN	IN : PT 15A / OUT : 6A	1
7	HEAT EXCHANGER	5 HP	1
6	CAPILLARY TUBE	-	1
5	FILTER DRYER	1/4"	1
4	FAN CONTROLLER	7 ~ 12 BARG	1
3	FAN MOTOR	9W 4P Ø230	1
2	A/C CONDENSER	1/4 HP (CONDENSING CAPACITY)	1
1	REF. COMPRESSOR	1/5 HP (COOLING CAPACITY)	1
NO.	PART NAME	DESCRIPTION	QTY

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△	2021. 04. 30.	ISSUED FOR REFERENCE								
REV. NO.	DATE	DESCRIPTION	ENGR	CHK	APPD	APPD	APPD	APPD	APPD	
PROJECT										
MANUFACTURER										
 <small>Global Systems of Air & Gas</small>										
TITLE										
PIPING & INSTRUMENTATION DRAWING										
ITEM NO.	HYD-SEP+	DWG NO.	GSA-HYD-0005EPP-02							REV.
SCALE	NONE									△



POWER SOURCE AC 220V, 1Ph, 60Hz		
NO.	SYMBOL	DESCRIPTION
10	SW1	DRYER ON/OFF SWITCH
9	TR	TRANSFORMER
8	TS1	DEW POINT TEMP. SENSOR
7	PS	FAN CONTROLLER
6	C. OL	REF. COMPRESSOR OVERLOAD
5	C1	RUNNING CAPACITOR
4	R	RELAY
3	MC1	MAGNETIC CONTACTOR
2	M2	FAN MOTOR
1	M1	REF. COMPRESSOR

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REV. NO.	DATE	DESCRIPTION	ENG	CHK	APPD	APPD	APPD	APPD	APPD	APPD	APPD	APPD	APPD	APPD	APPD	APPD	APPD	APPD	APPD	APPD
2021. 04. 30.		ISSUED FOR REFERENCE																		
PROJECT																				
MANUFACTURER																				
 <small>Global Systems of Air & Climate</small>																				
TITLE																				
WIRING DRAWING																				
ITEM NO.	HYD-SEP+	DWG NO.																		REV.
SCALE	NONE	GSA-HYD-0005EPP-03																		△