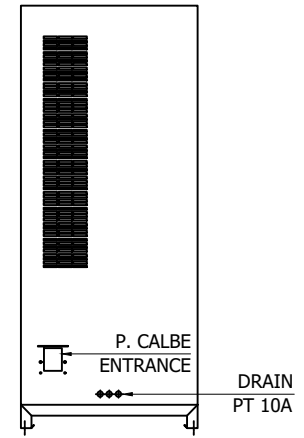
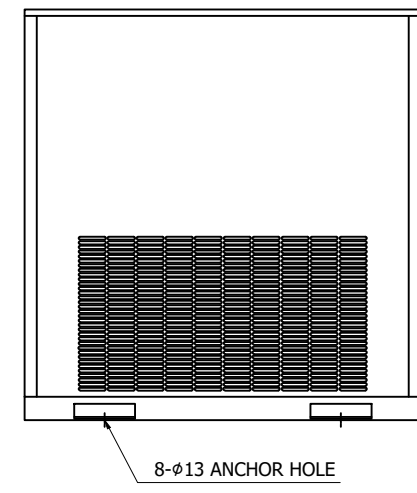
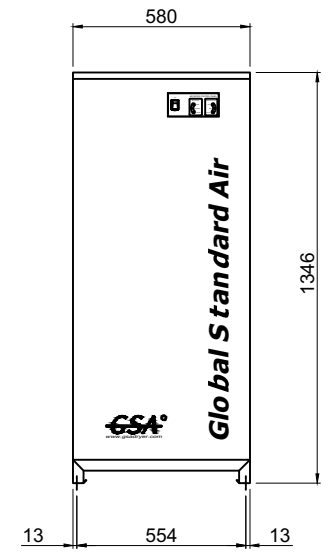
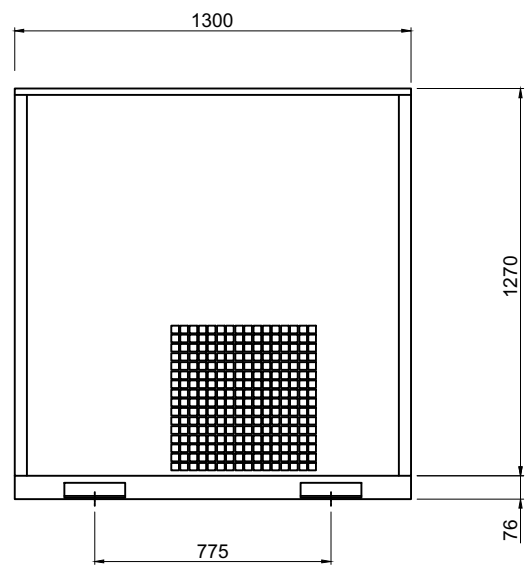
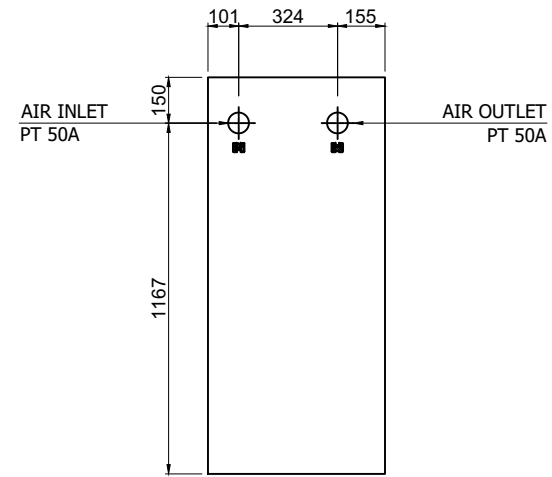
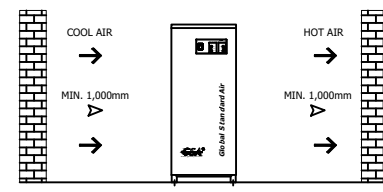
	Refrigerated Air Dryer		Rev.	Date	Prepared By	Checked By	Approved By
			1	2021.04.27	LEE.G	JO.S.J.	KIM.H.W.
	Eco Pro Plus		2				
			3				
			4				
Project Name		-	Model Name		HYD-100EP*		
<b>SPECIFICATION</b>							
2	Supply Voltage	380V	Inlet Flow Rate	14.2	Nm3/min		
3	Phase	3PH	Inlet Pressure	7	barg		
4	Frequency	60Hz	Inlet Temp.	40	°C		
5	Control use	220V	Outlet Flow Rate	14.2	Nm3/min		
6	Fulid	Compressed Air	Outlet Pressure	6.6	barg		
7	Location	Indoor	Outlet Temp.	32±5	°C		
8	Design Code	Maker STD.	Pressure Drop (Element : Dry)	0.4	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		
<b>CONSTRUCTION</b>							
14	Refrigerant	R-22	Dimension (W x L x H)	580 X 1,300 X 1,392	mm		
15	Ref. Compressor Type	Recipro Hemertic	Weight	141	kg		
16	Ref. Compressor Capacity	2 HP	Min. Power Consumption	1.15	kW		
17	Condenser Type	Air Cooled	Inlet Connection	50A	PT Female Screw		
18	Condenser Fan Motor	0.2 kW	Outlet Connection	50A	PT Female Screw		
19		1 EA	Drain Connection	10A	PT Female Screw		
20	Condenser Fan Size	450 mm	Color (Munsell)	5.7PB 4.1/9.9			
21	Condenser Capacity	2 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					
<b>STANDRAD FEATURES AND CONTROL</b>							
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	YES	Line-filter	NO			
37	Moisture Indicator	NO	After-filter	YES			
38	Drain	YES					
<b>NOTES</b>							
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46							

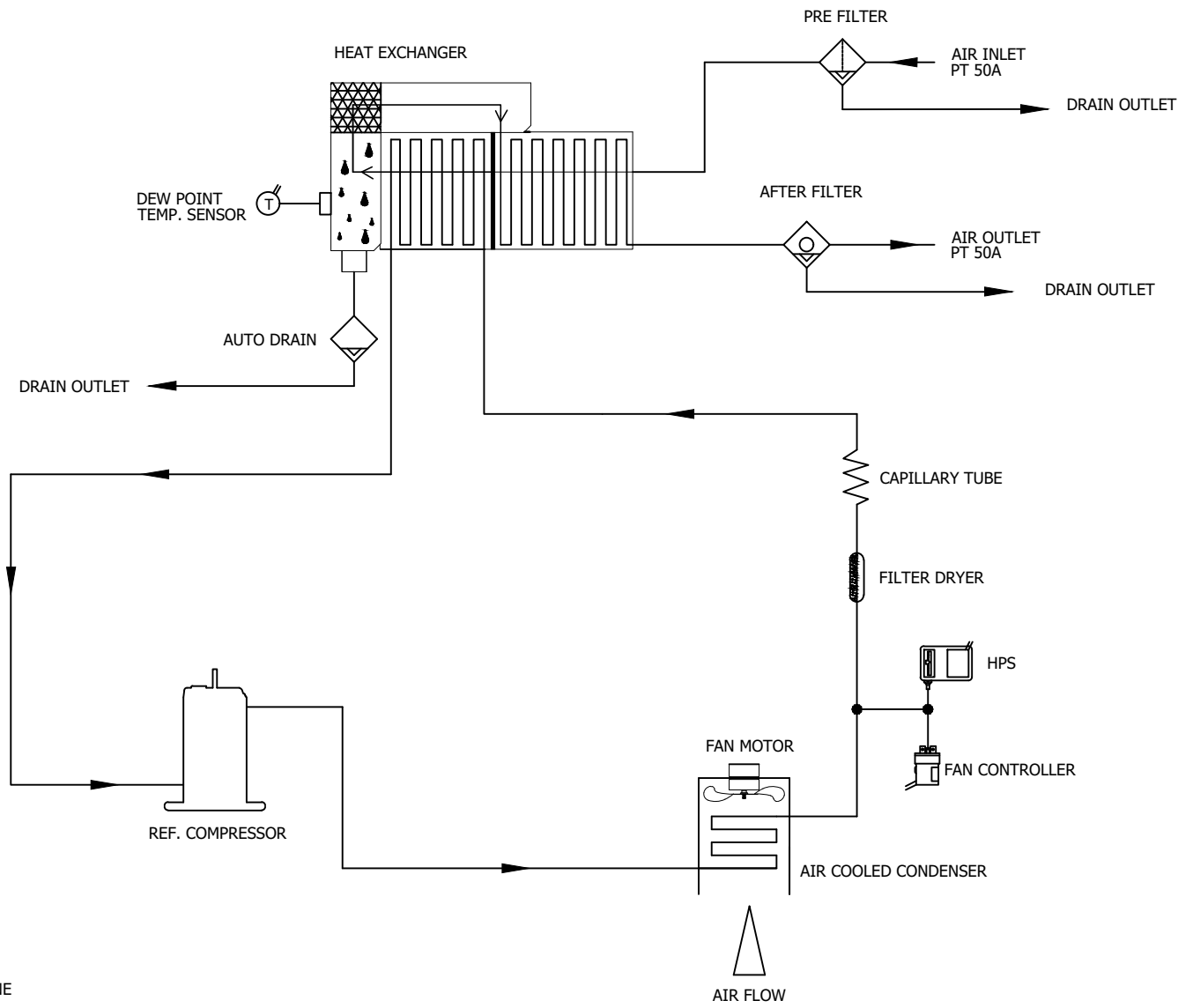
INLET AIR TEMPERATURE	40°C
AMBIENT TEMPERATURE	32°C
INLET AIR PRESSURE	7 barg
CAPACITY	14.2 Nm <sup>3</sup> /min
IN/OUT CONNECTION	PT 50A
DIMENSION(WXDXH, mm)	580 X 1,300 X 1,392
WEIGHT	141kg
MIN. POWER CONSUMPTION	1.15 kW
POWER SUPPLY	380 - 3PH - 60Hz

COOLING AIR DIRECTION




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△											
△	2021. 04. 30.	ISSUED FOR REFERENCE									
REV. NO.	DATE	DESCRIPTION	DWG	CHK	APPD	APPD	APPD	APPD	APPD		
PROJECT											
MANUFACTURER											
TITLE											
OUTLINE DRAWING											
ITEM NO.	HYD-100EP+	DWG NO.	GSA-HYD-0100EPP-01							REV.	△
SCALE	NONE										

DEW POINT		2~10°C @ PDP	
INLET AIR PRESSURE		7.0 BARG	
INLET AIR TEMPERATURE		40°C	
CAPACITY		14.2 Nm³/min	
11	AFTER FILTER	1 PPM	1
10	PRE FILTER	5 MICRON	1
9	AUTO DRAIN	IN : PT 15A / OUT : 6A	1
8	HEAT EXCHANGER	100 HP	1
7	CAPILLARY TUBE	-	1
6	FILTER DRYER	3/8"	1
5	HPS	24 BARG	1
4	FAN CONTROLLER	12 ~ 18 BARG	1
3	FAN MOTOR	0.2KW 6P φ450	1
2	A/C CONDENSER	2 HP (CONDENSING CAPACITY)	1
1	REF. COMPRESSOR	2 HP (COOLING CAPACITY)	1
NO.	PART NAME	DESCRIPTION	QTY



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

△										
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△	2021. 04. 30.	ISSUED FOR REFERENCE								
REV. NO.	DATE	DESCRIPTION	ENG	CHK	APPD	APPD	APPD	APPD	APPD	
PROJECT										
MANUFACTURER										
 <small>Global Service Air &amp; Gas</small>										
TITLE										
FLOW SYSTEM										
ITEM NO.	HYD-100EP+	DWG NO.	GSA-HYD-0100EPP-02				REV.	△		
SCALE	NONE									

