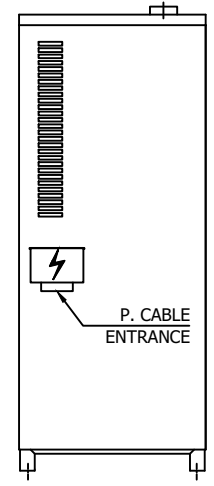
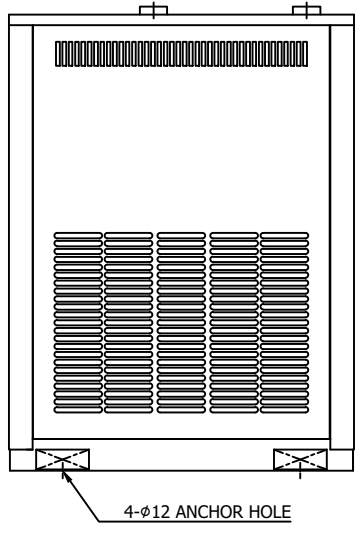
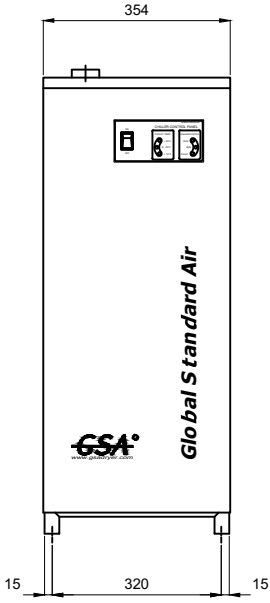
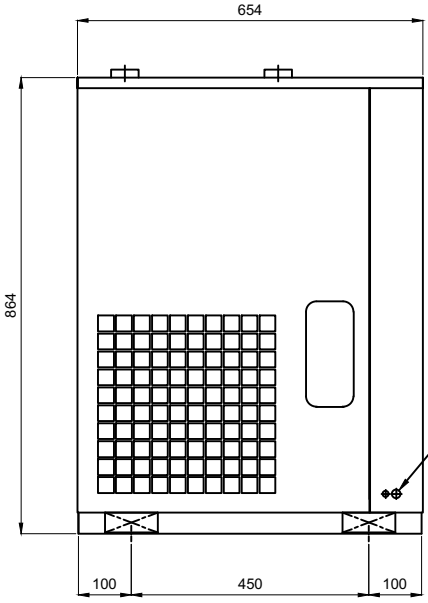
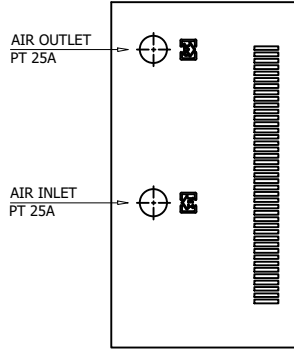
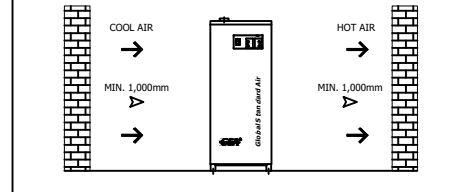

	Refrigerated Air Chiller		Rev.	Date	Prepared By	Checked By	Approved By
			A	2020.09.22	WOO.I.H.	JO.S.J.	KIM.H.W.
	Air Cooled Type		B				
			C				
			D				
Project Name		-	Model Name		HYD-30CH		
SPECIFICATION							
1							
2	Supply Voltage	220V	Inlet Flow Rate	3.9	Nm3/min		
3	Phase	1PH	Inlet Pressure	7	barg		
4	Frequency	60Hz	Inlet Temp.	32	°C		
5	Control use	220V	Inlet Air Condition	Dried Air			
6	Fulid	Compressed Air	Outlet Flow Rate	3.9	Nm3/min		
7	Location	Indoor	Outlet Pressure	6.8	barg		
8	Design Code	Maker STD.	Outlet Temp.	10	°C		
9	Area Class	Non-Hazardous	Pressure Drop	0.2	bar		
10			Design Pressure	14	barg		
11			Design Temperature	70	°C		
12			Ambient Temperature	32	°C		
CONSTRUCTION							
14	Refrigerant	R-22	Dimension (W x L x H)	354 X 654 X 864	mm		
15	Ref. Compressor Type	Rotary	Weight	62	kg		
16	Ref. Compressor Capacity	3/4 HP	Power Consumption	0.9	kW		
17	Condenser Type	Air Cooled	Inlet Connection	25A	PT Female Screw		
18	Condenser Fan Motor	66 W	Outlet Connection	25A	PT Female Screw		
19		1 EA	Drain Connection(Optional)	10A	PT Female Screw		
20	Condenser Fan Size	300 mm	Color (Munsell)	5.7PB 4.1/9.9			
21	Condenser Capacity	3/4 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							
27							
STANDRAD FEATURES AND CONTROL							
29	Ref. Compressor	YES	PCB Controller	YES			
30	Air Cooled Condenser	YES	Air Pressure Gauge	NO			
31	Fan Motor	YES	Ref. Pressur Gauge	NO			
32	Fan Controller	YES	Suction Line Accumulator	NO			
33	Ref. High Pressure Switch	YES	Liquid Ref. Receiver	NO			
34	Filter Dryer	YES					
35	Capillary Tube	YES					
36	Heat Exchanger	YES					
37	Temperature Sensor	YES					
38	Hot Gas Bypass Valve	NO					
NOTES							
40							
41							
42							
43							
44							
45							
46							

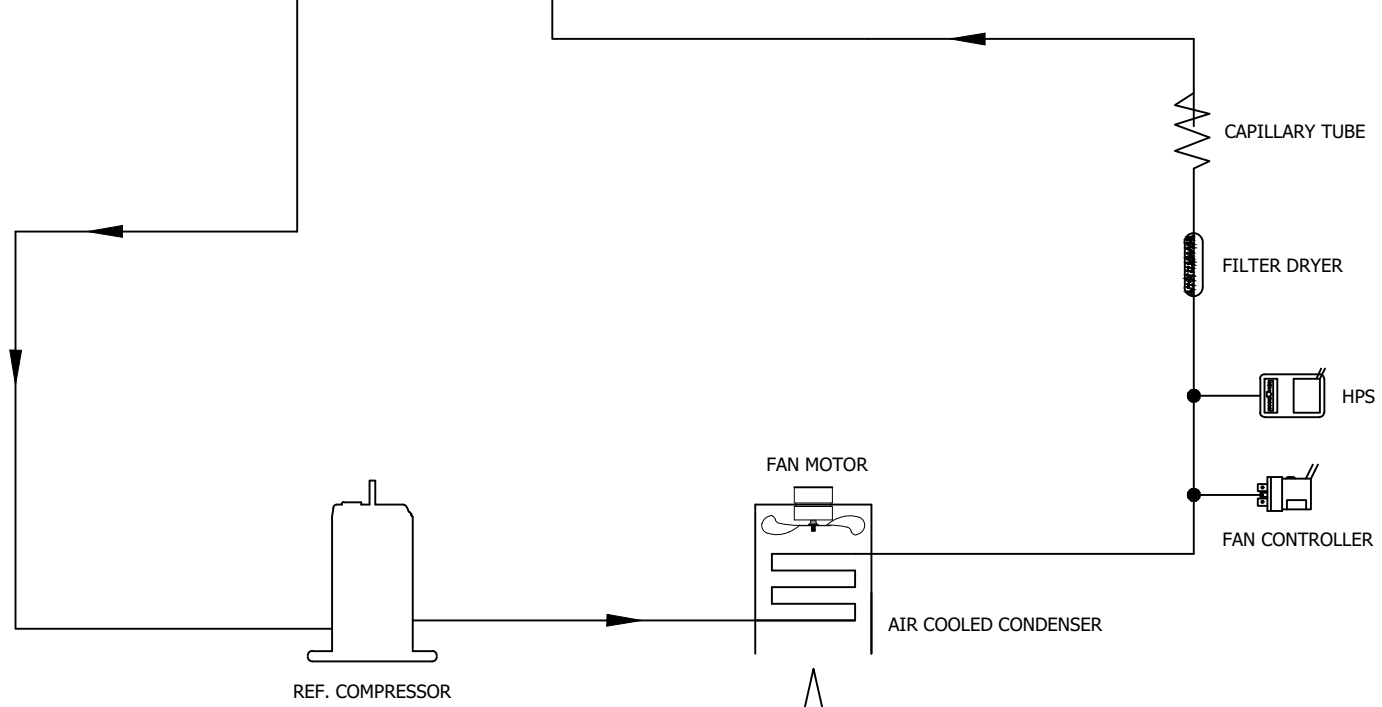
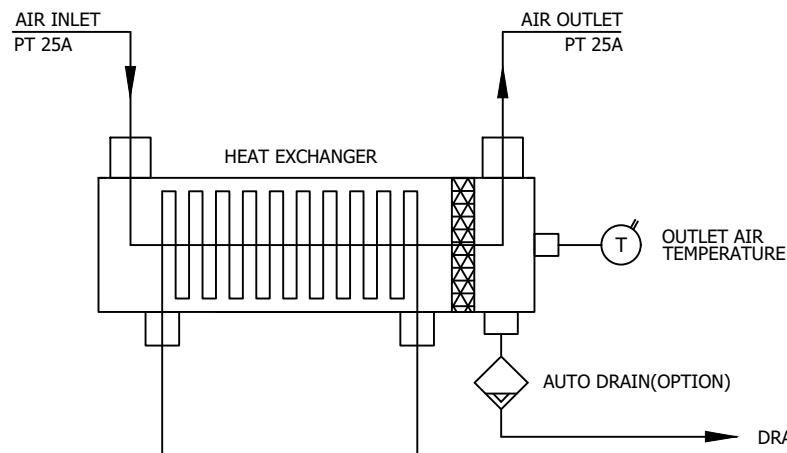
INLET/OUTLET AIR TEMP.	32°C / 10°C
INLET AIR PRESSURE	7 barg
INLET AIR CONDITION	DRIED AIR
CAPACITY	3.9 Nm ³ /min
IN/OUT CONNECTION	PT 25A
DIMENSION(WXDXH, mm)	354 X 654 X 864
WEIGHT	62 kg
POWER CONSUMPTION	0.9 kW
POWER SUPPLY	220/380/440V - 1PH - 50/60Hz

COOLING AIR DIRECTION




△											
△											
△											
△											
△											
REV. NO.	DATE	DESCRIPTION	ENWG	CHK	APPD	APPD	APPD	APPD	APPD		
2020.09.21		ISSUED FOR REFERENCE									
PROJECT											
MANUFACTURER											
 Global Standard Air & Gas											
TITLE											
OUTLINE DRAWING											
ITEM NO.	HYD-30CH	DWG NO.	GSA-HYD-0030CH-01							REV.	△
SCALE	NONE										

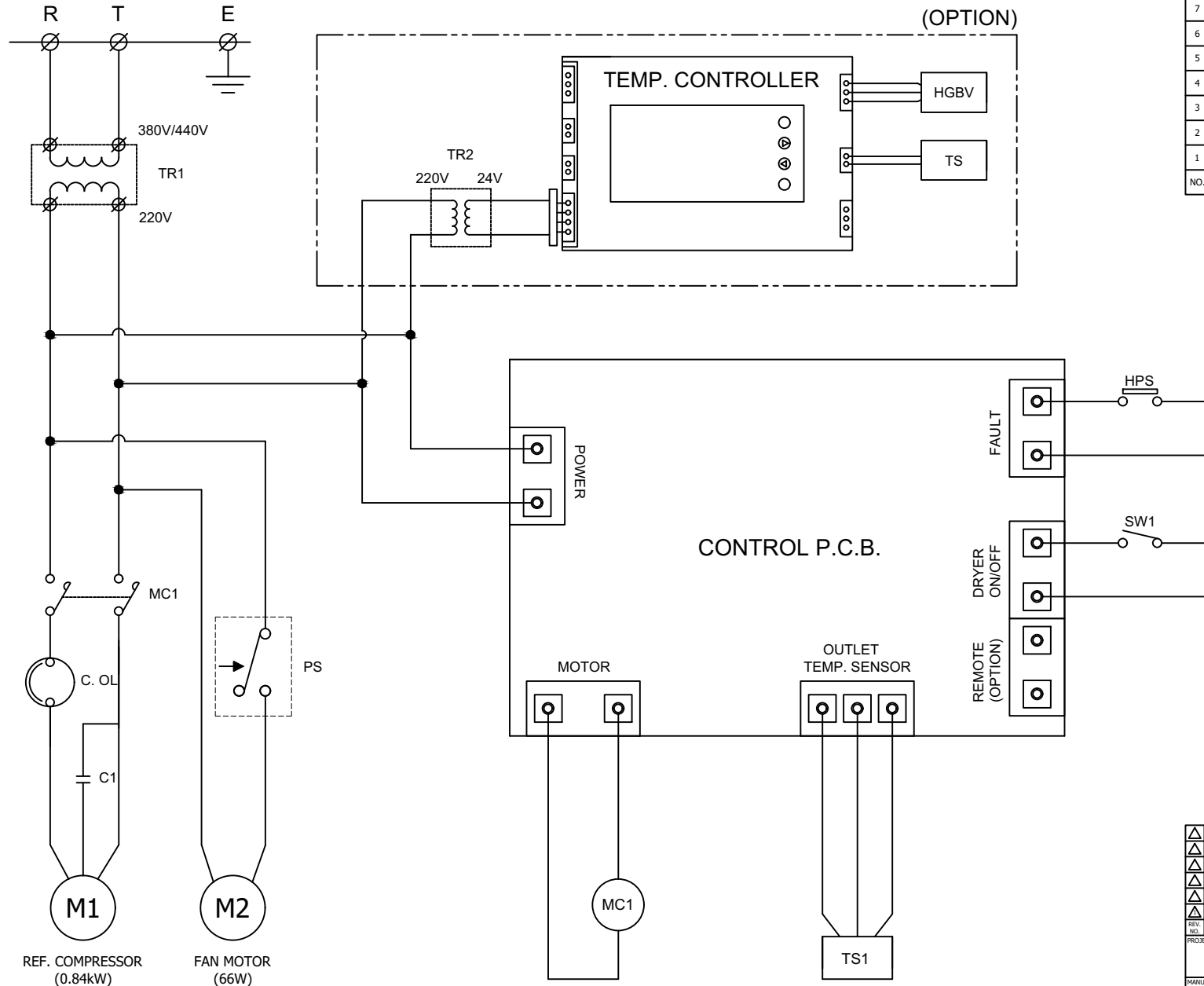
INLET/OUTLET AIR TEMP.		32°C / 10°C
INLET AIR PRESSURE		7 barg
INLET AIR CONDITION		DRIED AIR
CAPACITY		3.9 Nm ³ /min
9	AUTO DRAIN	OPTION
8	HEAT EXCHANGER	30 HP
7	CAPILLARY TUBE	-
6	FILTER DRYER	3/8"
5	HPS	24 barg
4	FAN CONTROLLER	12~18 barg
3	FAN MOTOR	66W 4P Ø300
2	A/C CONDENSER	3/4 HP
1	REF. COMPRESSOR	3/4 HP
NO.	PART NAME	DESCRIPTION
QTY		




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



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△	2020.09.21	ISSUED FOR REFERENCE									
REV. NO.	DATE	DESCRIPTION	ENWG	CHK	APPD	APPD	APPD	APPD	APPD		
PROJECT											
MANUFACTURER											
											
TITLE											
PIPING & INSTRUMENTATION DRAWING											
ITEM NO.	HYD-30CH	DWG NO.	GSA-HYD-0030CH-02							REV.	△
SCALE	NONE										



POWER SOURCE		
AC 220/380/440V, 1Ph, 50/60Hz		
9	HPS	REF. HIGH PRESSURE SWITCH
8	SW1	START/STOP SWITCH
7	TR1	TRANSFORMER(OPTION)
6	TS1	OUTLET TEMP. SENSOR
5	PS	FAN CONTROLLER
4	MC1	MAGNETIC CONTACTOR
3	C1	RUNNING CAPACITOR
2	M2	FAN MOTOR
1	M1	REF. COMPRESSOR
NO.	SYMBOL	DESCRIPTION

REV. NO.	DATE	DESCRIPTION	ENG.	CHK.	APPD.	APPD.	APPD.
2020.09.21		ISSUED FOR REFERENCE					
PROJECT							
MANUFACTURER							
 <small>Global Service Air & Gas</small>							
TITLE							
WIRING DRAWING							
ITEM NO.	HYD-30CH	DWG NO.	GSA-HYD-0030CH-03			REV.	1
SCALE	NONE						