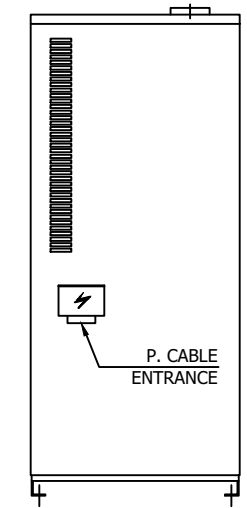
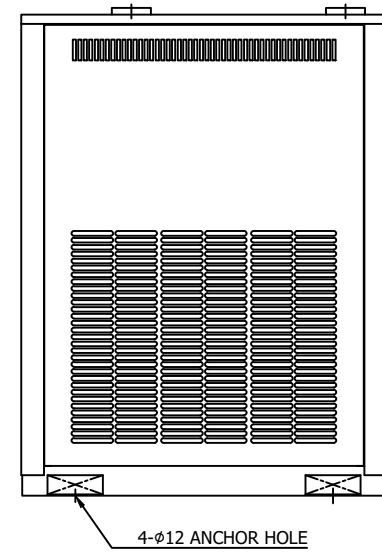
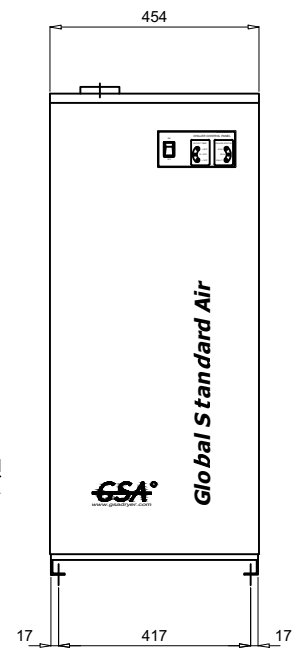
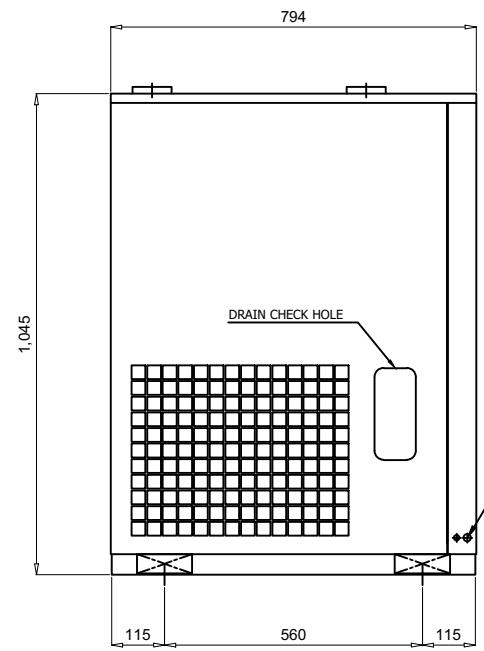
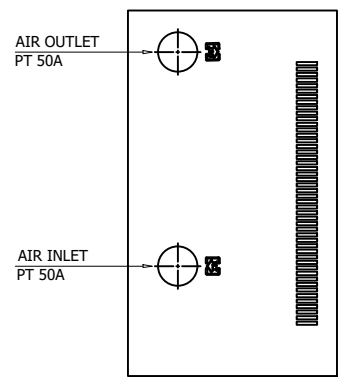
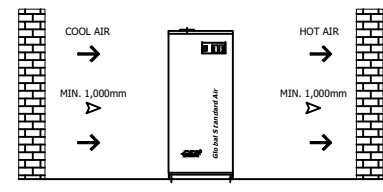
	Refrigerated Air Chiller	Rev.	Date	Prepared By	Checked By	Approved By
		A	2020.09.22	WOO.I.H.	JO.S.J.	KIM.H.W.
	Air Cooled Type	B				
		C				
D						
Project Name		-		Model Name		HYD-75CH
SPECIFICATION						
1						
2	Supply Voltage	220V	Inlet Flow Rate	10.5	Nm3/min	
3	Phase	1PH	Inlet Pressure	7	barg	
4	Frequency	60Hz	Inlet Temp.	32	°C	
5	Control use	220V	Inlet Air Condition	Dried Air		
6	Fulid	Compressed Air	Outlet Flow Rate	10.5	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						
13						
14	Refrigerant	R-22	Dimension (W x L x H)	454 X 794 X 1,045	mm	
15	Ref. Compressor Type	Rotary	Weight	115	kg	
16	Ref. Compressor Capacity	1-1/2 HP	Power Consumption	2.05	kW	
17	Condenser Type	Air Cooled	Inlet Connection	50A	PT Female Screw	
18	Condenser Fan Motor	100 W	Outlet Connection	50A	PT Female Screw	
19		1 EA	Drain Connection(Optional)	10A	PT Female Screw	
20	Condenser Fan Size	350 mm	Color (Munsell)	5.7PB 4.1/9.9		
21	Condenser Capacity	1-1/2 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						
27						
STANDRAD FEATURES AND CONTROL						
28						
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						
39						
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	10.5 Nm ³ /min
IN/OUT CONNECTION	PT 50A
DIMENSION(WXDXH, mm)	454 X 794 X 1,045
WEIGHT	115 kg
POWER CONSUMPTION	2.05 kW
POWER SUPPLY	220/380/440V - 1PH - 50/60Hz

COOLING AIR DIRECTION



△										
△										
△										
△										
REV. NO.	2020.09.21	ISSUED FOR REFERENCE	ENG.	CHK.	APPD.	APPD.	APPD.	APPD.	APPD.	
PROJECT	-									
MANUFACTURER										
TITLE	OUTLINE DRAWING									
ITEM NO.	HYD-75CH	DWG NO.	GSA-HYD-0075CH-01						REV.	△
SCALE	NONE									

AIR INLET
PT 50A

AIR OUTLET
PT 50A

HEAT EXCHANGER

OUTLET AIR
TEMPERATURE

AUTO DRAIN(OPTION)

DRAIN OUTLET

CAPILLARY TUBE

FILTER DRYER

HPS

FAN CONTROLLER

FAN MOTOR


AIR COOLED CONDENSER

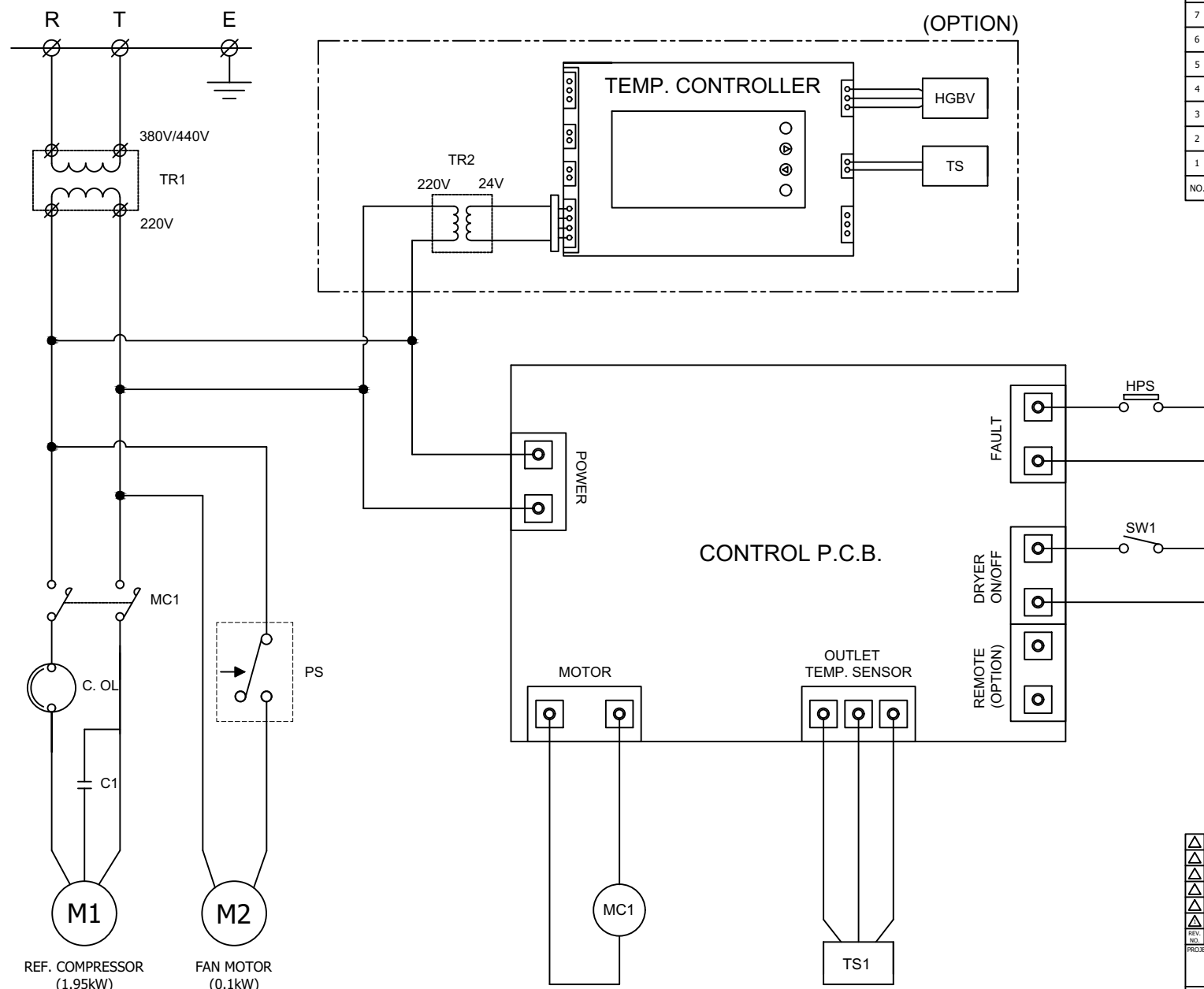
REF. COMPRESSOR

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

AIR FLOW

INLET/OUTLET AIR TEMP.		32°C / 10°C
INLET AIR PRESSURE		7 barg
INLET AIR CONDITION		DRIED AIR
CAPACITY		10.5 Nm ³ /min
9	AUTO DRAIN	OPTION 1
8	HEAT EXCHANGER	75 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	0.1kW 4P ø350 1
2	A/C CONDENSER	1-1/2 HP 1
1	REF. COMPRESSOR	1-1/2 HP 1
NO.	PART NAME	DESCRIPTION QTY

△											
△											
△											
△											
△	2020.09.21	ISSUED FOR REFERENCE									
REV. NO.	DATE	DESCRIPTION	ENWG	CHK	APPD	APPD	APPD	APPD	APPD		
PROJECT											
MANUFACTURER											
 <small>Global Service Automation & Control</small>											
TITLE											
PIPING & INSTRUMENTATION DRAWING											
ITEM NO.	HYD-7SCH	DWG NO.	GSA-HYD-0075CH-02							REV.	△
SCALE	NONE										



POWER SOURCE
AC 220/380/440V, 1Ph, 50/60Hz

NO.	SYMBOL	DESCRIPTION
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

REV. NO.	DATE	DESCRIPTION	ENG.	CHK.	APPD.	APPD.	APPD.
2020.09.21		ISSUED FOR REFERENCE					

PROJECT: -

MANUFACTURER: **GSA**
Global Systems of Air & Gas

TITLE: **WIRING DRAWING**

ITEM NO.	HYD-7SCH	DWG NO.	REV.
SCALE	NONE	GSA-HYD-0075CH-03	