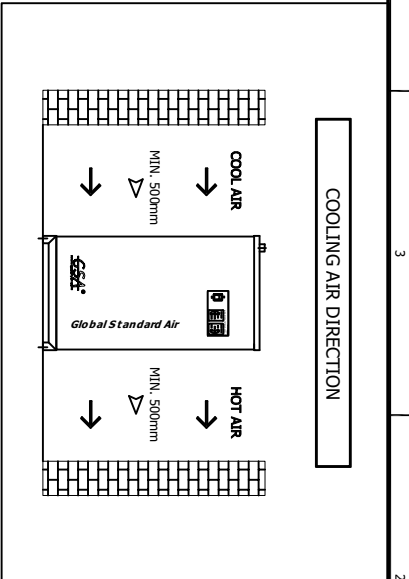
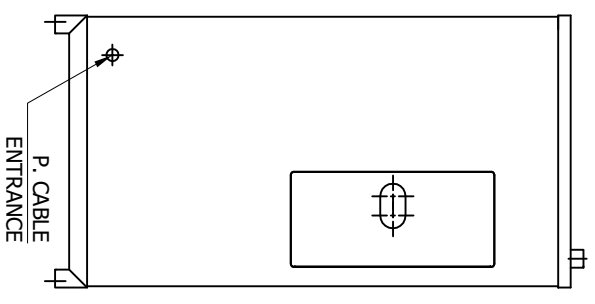
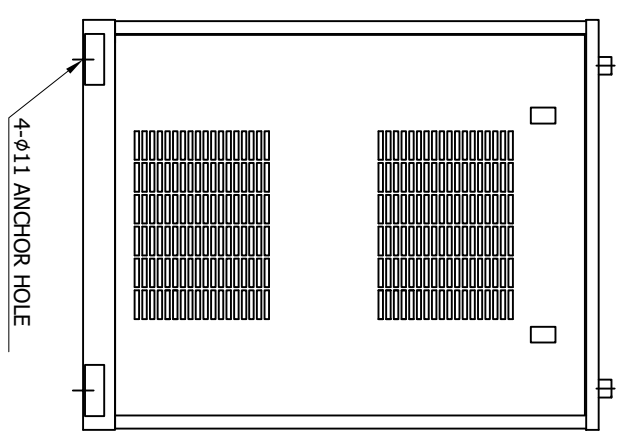
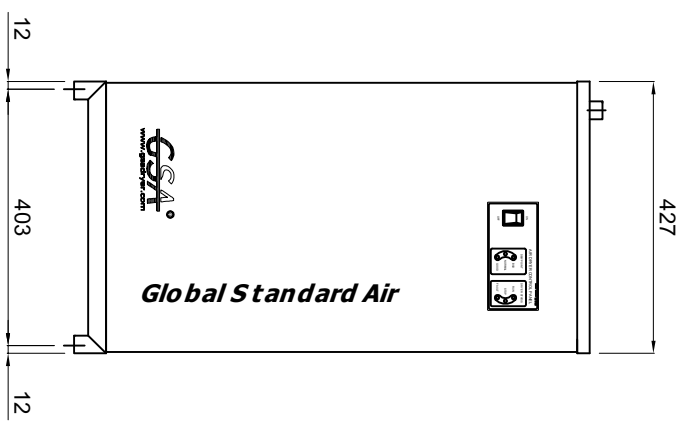
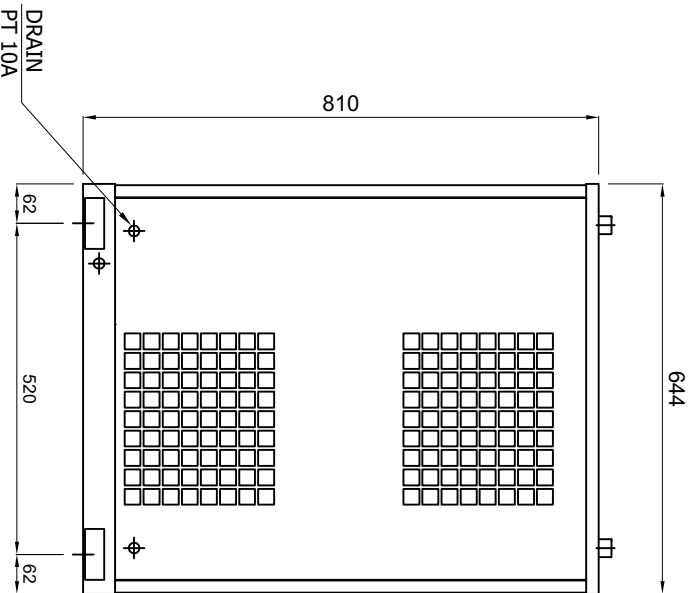
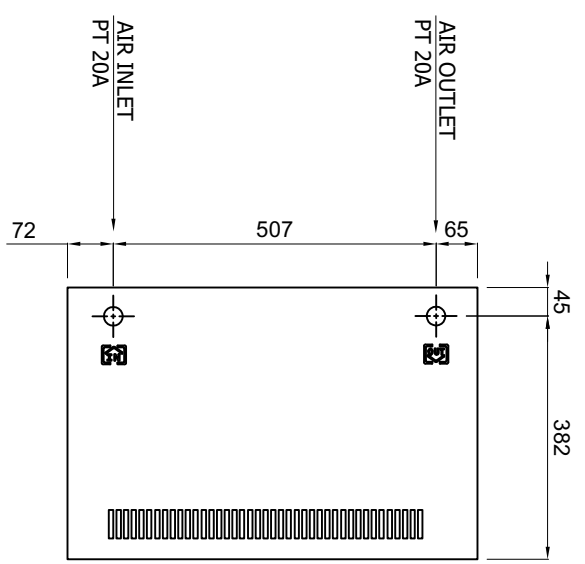
		Refrigerated Air Dryer High Inlet Temp. Type		Rev.	Date	Prepared By	Checked By	Approved By
				1	2020.09.15	PARK.W.T.	PARK.W.T.	KIM.H.W.
Project Name		-		Model Name		HYD-10HTNS		
SPECIFICATION								
1								
2	Supply Voltage	220V	Inlet Flow Rate	1.4	Nm3/min			
3	Phase	1PH	Inlet Pressure	7	barg			
4	Frequency	60Hz	Inlet Temp.	60	°C			
5	Control use	220V	Outlet Flow Rate	1.4	Nm3/min			
6	Fulid	Compressed Air	Outlet Pressure	6.6	barg			
7	Location	Indoor	Outlet Temp.	30±5	°C			
8	Design Code	Maker STD.	Pressure Drop	0.5	bar			
9	Area Class	Non-Hazardous	Outlet Dew Point	2~10	°C@PDP			
10			Design Pressure	9.7	barg			
11			Design Temperature	80	°C			
12			Ambient Temperature	32	°C			
CONSTRUCTION								
14	Refrigerant	R-134A	Ref. Control Device	Capillary Tube				
15	Ref. Compressor Type	Recipro Hemertic	Temp. Control Device	Hot Gas Bypass Valve				
16	Ref. Compressor Capacity	1/5 HP	Drain Trap Type	Auto Float				
17	Condenser Type	Air Cooled	Dimension (W x L x H)	427 X 644 X 810	mm			
18	Condenser Fan Motor	9 W	Weight	60	kg			
19	Condenser Fan Size	Ø230 mm	Power Consumption	0.34	kW			
20	Condenser Capacity	1/3 HP	Inlet Connection	20A	PT Female Screw			
21	Condenser Material	Aluminum & Copper	Outlet Connection	20A	PT Female Screw			
22	After Cooler Fan Motor	9 W	Drain Connection	15A	PT Female Screw			
23		1 EA	Color (Munsell)	5.7PB 4.1/9.9				
24	After Cooler Fan Size	Ø230 mm		5.7PB 2.9/3.5				
25	Heat Exchanger Type	Block						
26	Heat Exchanger Material	Aluminum						
STANDRAD FEATURES AND CONTROL								
28	Fan Controller	YES	Drain	YES				
29	Ref. High Pressure Switch	NO	Ref. Compressor	YES				
30	Overload Relay	NO	Ref. Filter Dryer	YES				
31	Power Relay for A/C Fan Motor	NO	Capillary Tube	YES				
32	Air Pressure Gauge	NO	Hot Gas Bypass Valve	YES				
33	Ref. Pressure Gauge	NO	Air Cooled Condenser	YES				
34	Moisture Indicator	NO						
35	After Cooler	YES						
36	Pre Filter	YES						
37	Line Filter	YES						
38	After Filter	YES						
NOTES								
40								
41								
42								
43								
44								
45								
46								



SPECIFICATION	
INLET AIR TEMPERATURE	60°C
AMBIENT TEMPERATURE	32°C
INLET AIR PRESSURE	7 barg
CAPACITY	1.4 Nm ³ /min
IN/OUT CONNECTION	PT 20A
DIMENSION(WXDH, mm)	427X644X810
WEIGHT	60 kg
POWER CONSUMPTION	0.34 kW
POWER SUPPLY	220V - 1PH - 60HZ

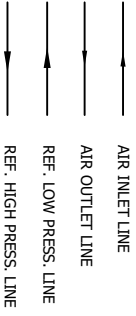
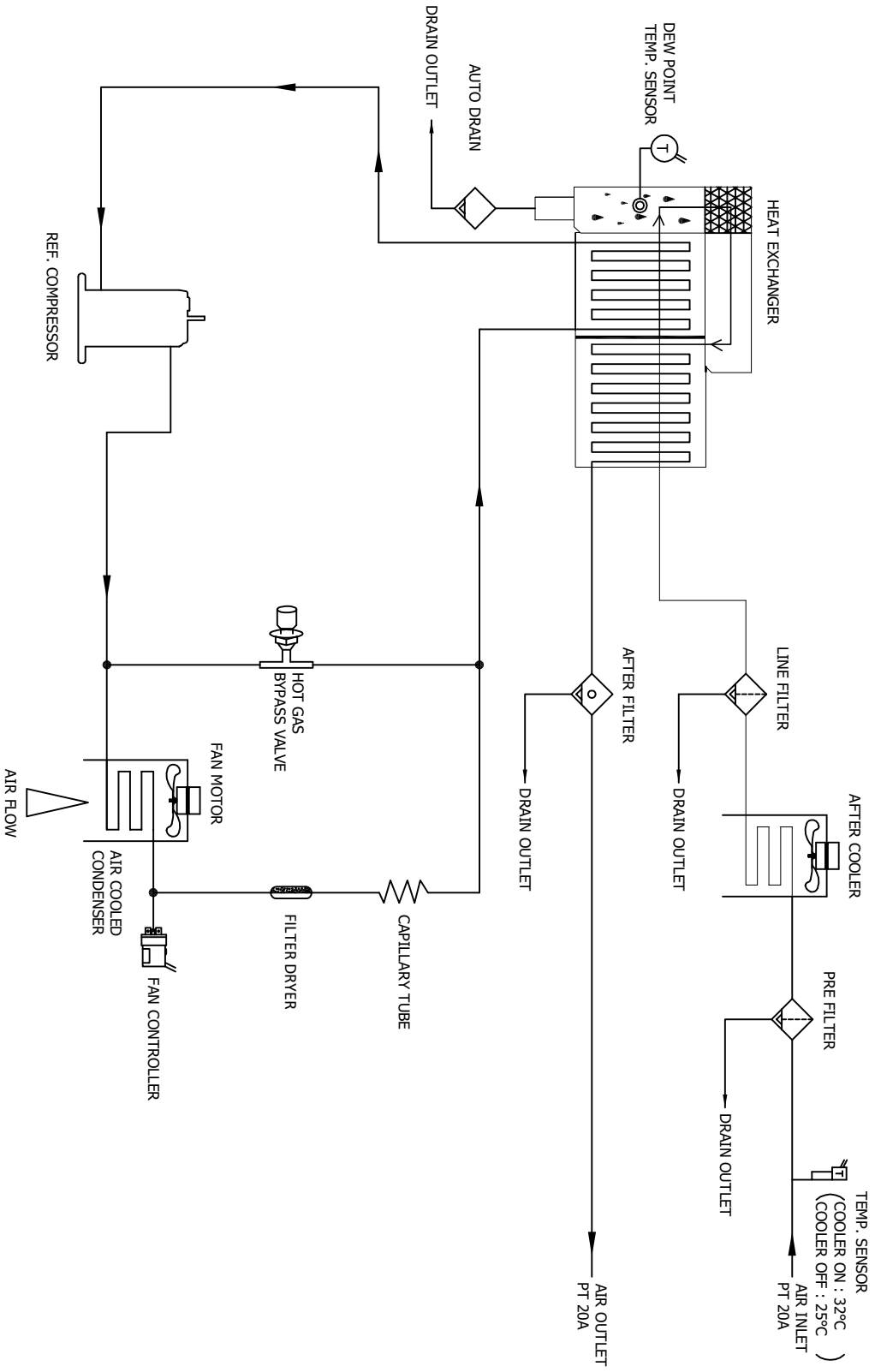


REV.	DATE	DESCRIPTION	DWG.	CHK.	APP'D.	APP'D.
Δ						
Δ						
Δ						
Δ						
Δ	2020.03.20	CHANGE OF CONTROL PCB				
Δ	2018.11.26	ISSUED FOR REFERENCE				
Δ						

MANUFACTURER
GSA
Global Standard Air Ltd.

TITLE		OUTLINE DRAWING	
ITEM NO.	H/O-DWTNS	DWG NO.	GSA-HYD-0010HTNS-01
SCALE	NONE	REV.	Δ

DEW POINT	2~10°C @ 1PPM		
INLET AIR PRESSURE	7.0 BARG		
INLET AIR TEMPERATURE	60°C		
CAPACITY	1.4 Nm ³ /min		
PRE FILTER	40 MICRON		
AFTER FILTER	1 PPM		
LINE FILTER	5 MICRON		
AFTER COOLER	A/C-25		
TEMP. SENSOR	COOLER CONTROL		
CAPILLARY TUBE	-		
H.G.B.V	-		
AUTO DRAIN	IN : PT 15A / OUT : 6A		
HEAT EXCHANGER	5 HP		
FILTER DRYER	1/4"		
FAN CONTROLLER	7 ~ 12 BARG		
FAN MOTOR	9W, 4P #230		
A/C CONDENSER	(CONDENSING CAPACITY)		
REF. COMPRESSOR	(1/5 HP (COOLING CAPACITY))		
NO.	PART NAME	DESCRIPTION	QTY

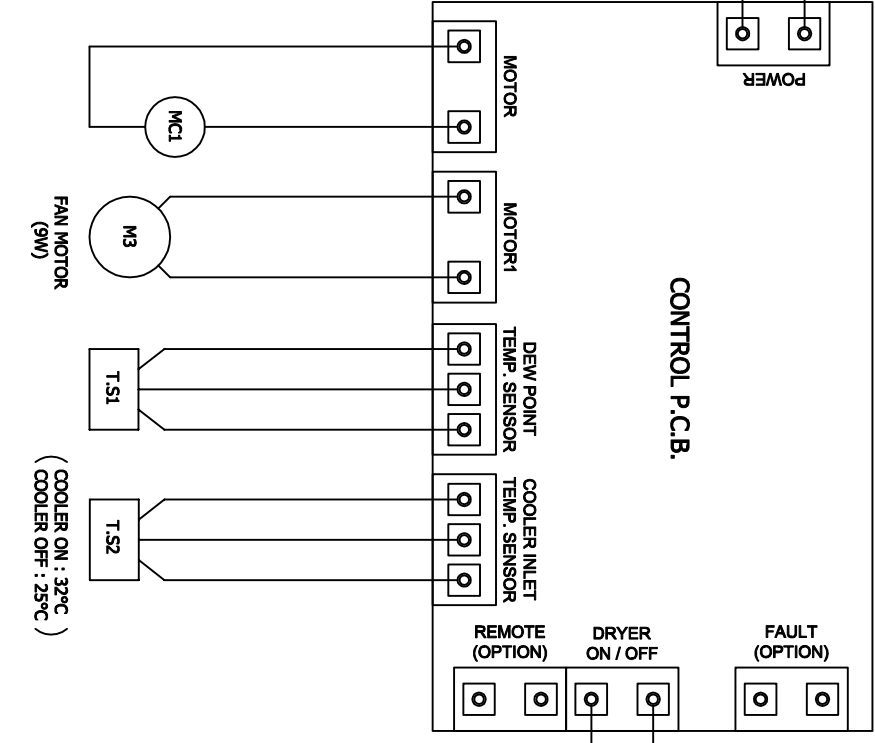
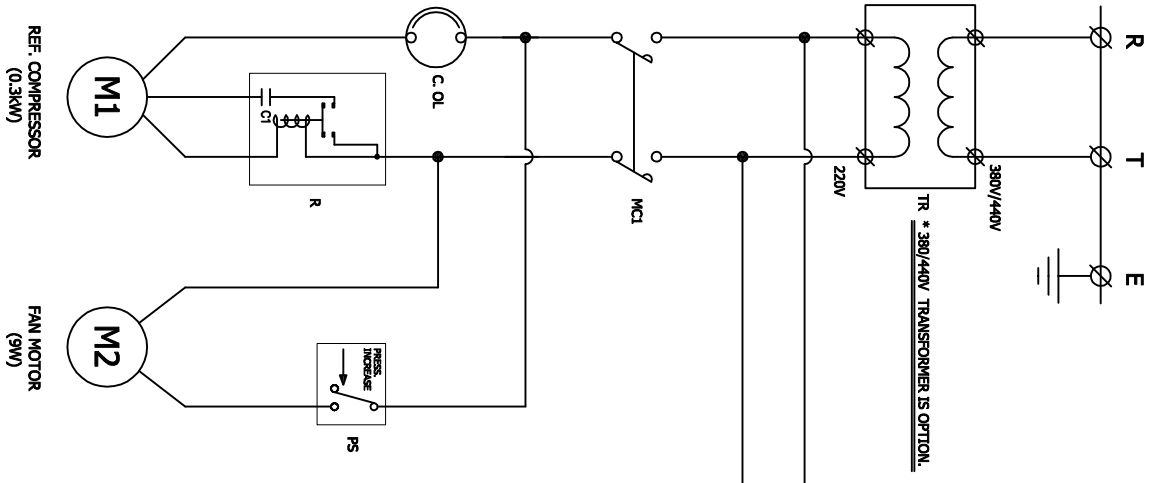


ITEM NO.	QTY	DESCRIPTION	UNIT	REV.
1	1	REF. COMPRESSOR	1/5 HP (COOLING CAPACITY)	1
2	1	A/C CONDENSER	(CONDENSING CAPACITY)	1
3	1	FAN MOTOR	9W, 4P #230	1
4	1	FAN CONTROLLER	7 ~ 12 BARG	1
5	1	FILTER DRYER	1/4"	1
6	1	HEAT EXCHANGER	5 HP	1
7	1	AUTO DRAIN	IN : PT 15A / OUT : 6A	1
8	1	H.G.B.V	-	1
9	1	CAPILLARY TUBE	-	1
10	1	TEMP. SENSOR	COOLER CONTROL	1
11	1	AFTER COOLER	A/C-25	1
12	1	LINE FILTER	5 MICRON	1
13	1	AFTER FILTER	1 PPM	1
14	1	PRE FILTER	40 MICRON	1
15	1	INLET AIR TEMPERATURE	60°C	1
16	1	DEW POINT	2~10°C @ 1PPM	1



PIPING & INSTRUMENTATION DRAWING

ITEM NO.	QTY	DESCRIPTION	UNIT	REV.
1	1	REF. COMPRESSOR	1/5 HP (COOLING CAPACITY)	1



NO.	SYMBOL	DESCRIPTION
1	M1	REF. COMPRESSOR
2	M2	FAN MOTOR
3	M3	FAN MOTOR (AFTER COOLER)
4	R	RELAY
5	CI	RUNNING CAPACITOR
6	PS	FAN CONTROLLER
7	MCI	MAGNETIC CONTACTOR
8	TR	TRANSFORMER(OPTION)
9	T.S1	DEW POINT TEMP. SENSOR
10	T.S2	AFTER COOLER TEMP. SENSOR
11	C.O.L	REF. COMPRESSOR OVERLOAD
12	SW1	DRYER ON/OFF SWITCH

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

REV. NO.	DATE	REVISION	CHK.	APP.
1	2008.03.20	CHANGE OF CONTROL PCB		
2	2008.11.26	ISSUED NEW REFERENCE		



WIRING DRAWING

ITEM NO.	REV. NO.	DATE	DESCRIPTION
SCALE	NONE		