



Refrigerated Air Dryer

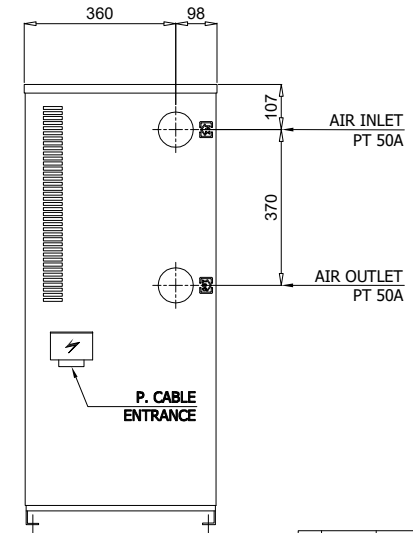
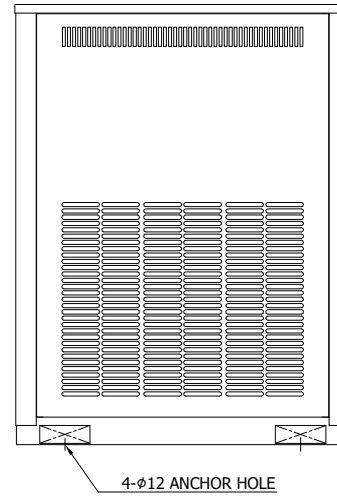
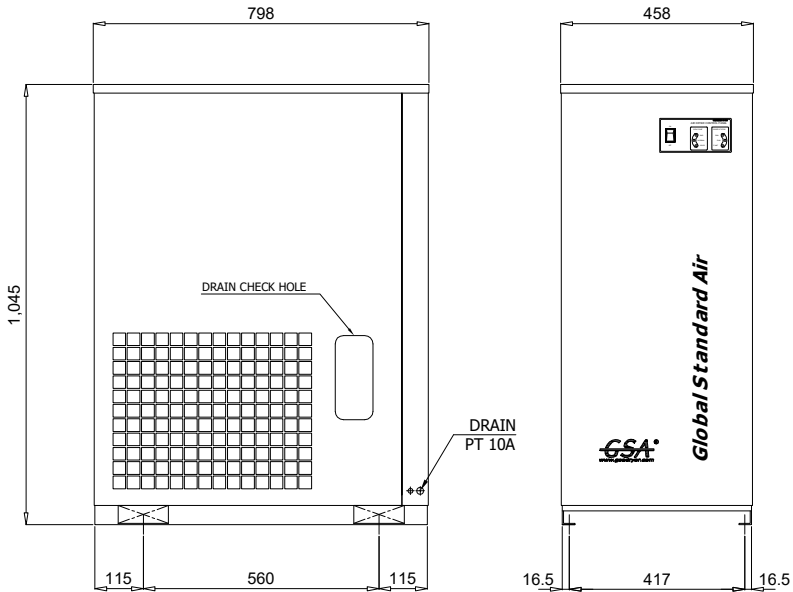
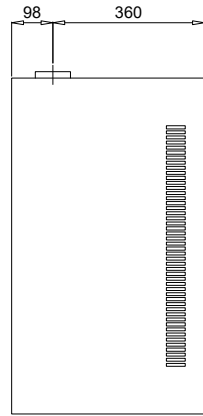
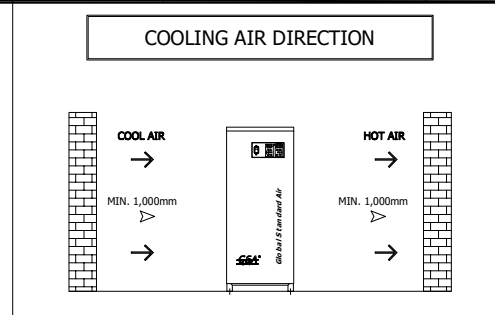
Air Cooled Type

Rev.	Date	Prepared By	Checked By	Approved By
A	2019.01.15	LEE.S.M.	JO.S.J.	KIM.H.W.
B				
C				
D				

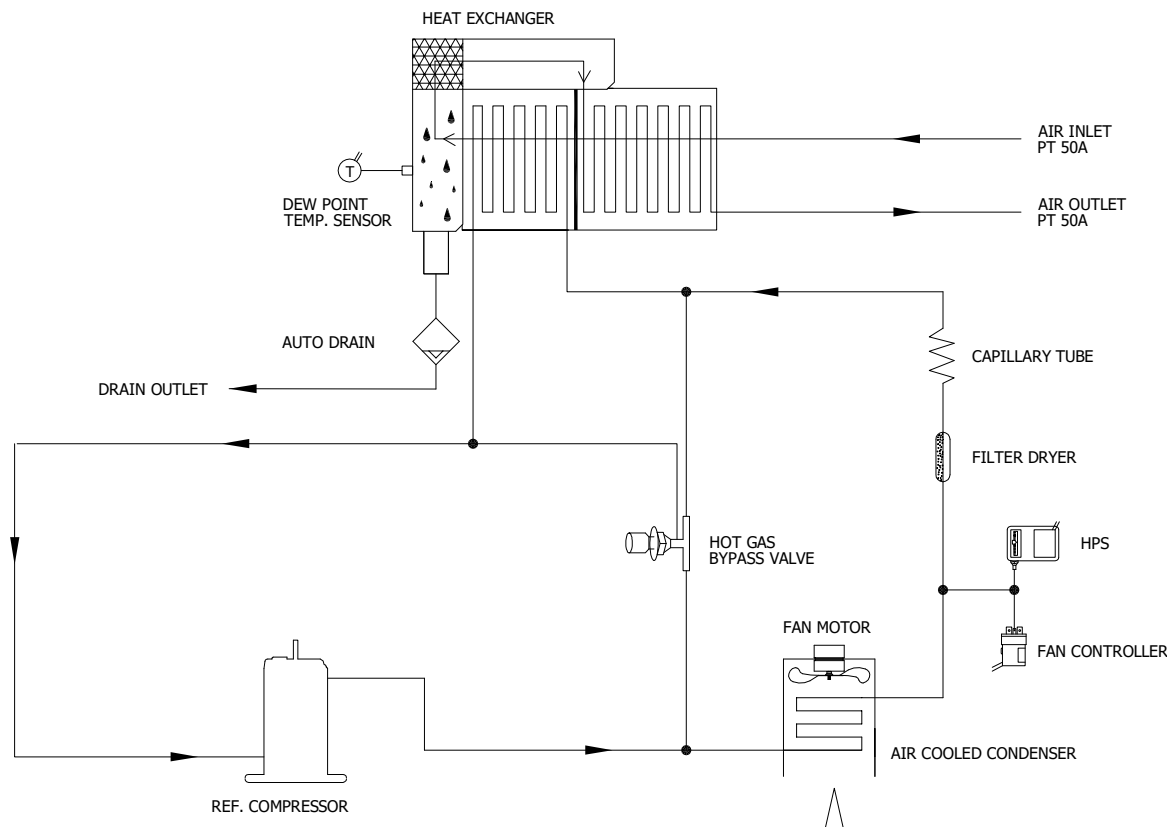
Project Name	-	Model Name	HYD-75N
--------------	---	------------	---------

SPECIFICATION				
1				
2	Supply Voltage	220V	Inlet Flow Rate	10.5 Nm ³ /min
3	Phase	1PH	Inlet Pressure	7 barg
4	Frequency	60Hz	Inlet Temp.	38 °C
5	Control use	220V	Outlet Flow Rate	10.5 Nm ³ /min
6	Fulid	Compressed Air	Outlet Pressure	6.8 barg
7	Location	Indoor	Outlet Temp.	28±5 °C
8	Design Code	Maker STD.	Pressure Drop	0.2 bar
9	Area Class	Non-Hazardous	Outlet Dew Point	2~10 °C
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)	454 X 794 X 1045 mm
15	Ref. Compressor Type	Rotary	Weight	120 kg
16	Ref. Compressor Capacity	1-1/2 HP	Power Consumption	2.1 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	15A 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	Temp. Control Device	Hot Gas Bypass Valve		
27	Drain Trap Type	Auto Float		
STANDRAD FEATURES AND CONTROL				
29	Fan Control Switch	YES	Ref. Compressor	YES
30	Ref. Liquid Filter Dryer	YES	Capillary Tube	YES
31	Overload Relay	NO	Hot Gas Bypass Valve	YES
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	Oil Separator	NO
36	High Pressure Switch	YES	Circuit Breaker	NO
37	Moisture Indicator	NO	Ref. Compressor Heater	NO
38	Drain	YES		
NOTES				
40				
41				
42				
43				
44				
45				
46				

INLET AIR TEMPERATURE	38°C
AMBIENT TEMPERATURE	32°C
INLET AIR PRESSURE	7 barg
CAPACITY	10.5 Nm ³ /min
IN/OUT CONNECTION	PT 50A
DIMENSION(WXDXH,mm)	458 X 798 X 1,045
WEIGHT	120 kg
POWER CONSUMPTION	2.07 kW
POWER SUPPLY	220/380/440V - 1PH - 50/60Hz




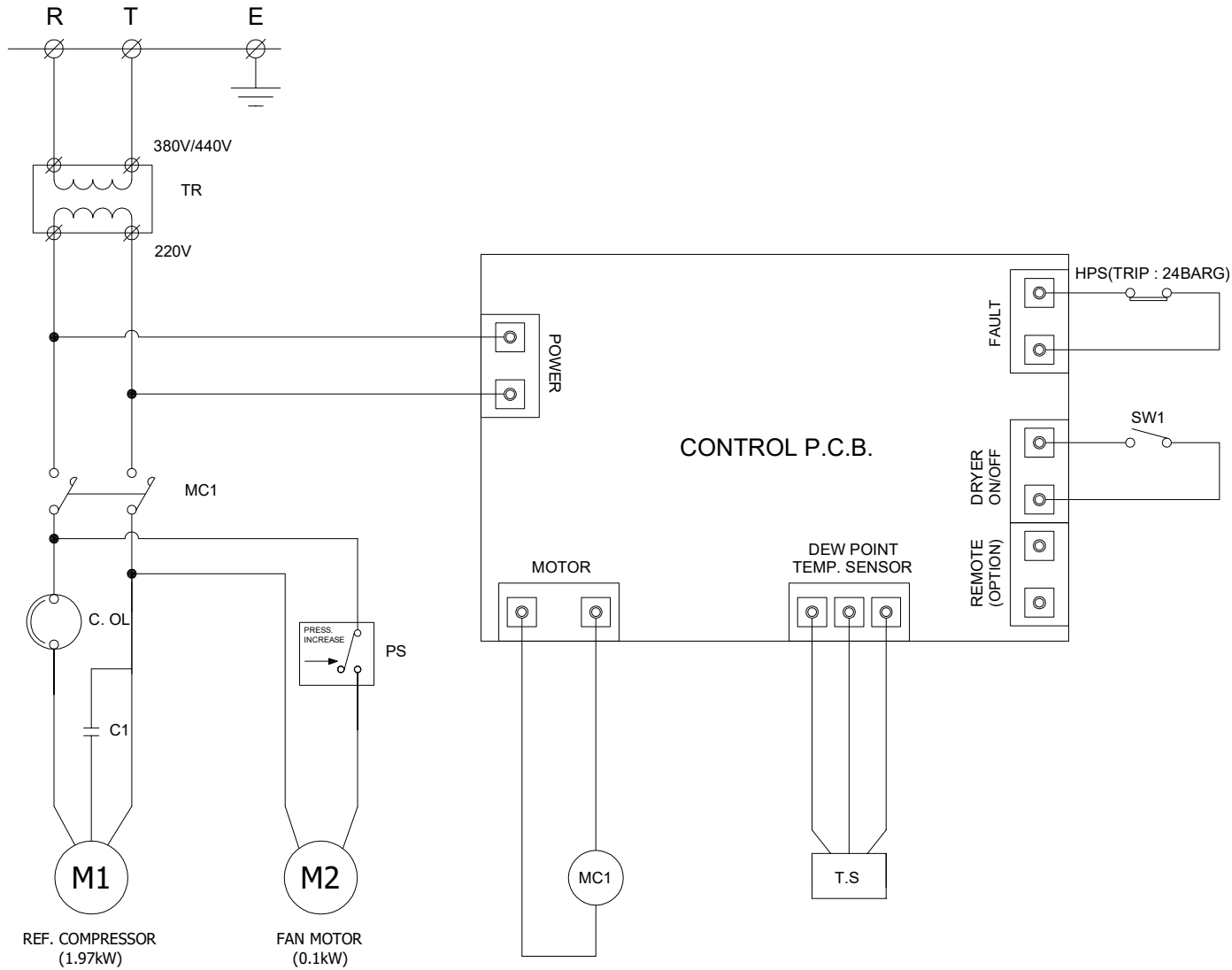
△										
△										
△										
△										
△	2020. 03. 20.	CHANGE OF CONTROL PCB								
△	2018. 11. 26.	ISSUED FOR REFERENCE								
REV. NO.	DATE	DESCRIPTION	DWG. CHK.	APPD.	APPD.	APPD.				
PROJECT										
MANUFACTURER										
TITLE										
OUTLINE DRAWING										
ITEM NO.	HYD-75N	DWG NO.	GSA-HYD-0075N-01				REV.			
SCALE	NONE								△	



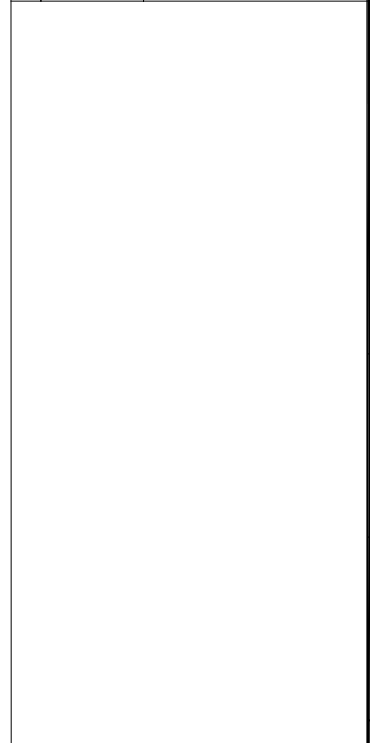
- ← AIR INLET LINE
- AIR OUTLET LINE
- ← REF. LOW PRESS. LINE
- REF. HIGH PRESS. LINE

DEW POINT		2~10°C @ PDP	
INLET AIR PRESSURE		7.0 BARG	
INLET AIR TEMPERATURE		38°C	
CAPACITY		10.5 Nm ³ /min	
10	CAPILLARY TUBE	-	1
9	HGBV	-	1
8	AUTO DRAIN	IN : PT 15A / OUT : 6A	1
7	HEAT EXCHANGER	75 HP	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 φ350	1
2	A/C CONDENSER	1-1/2 HP (CONDENSING CAPACITY)	1
1	REF. COMPRESSOR	1-1/2 HP (COOLING CAPACITY)	1
NO.	PART NAME	DESCRIPTION	QTY

△										
△										
△										
△										
△	2020. 09. 16.	PARTS NUMBER DELETE								
△	2018. 11. 26.	ISSUED FOR REFERENCE								
REV. NO.	DATE	DESCRIPTION	DWG. CHK.	APPD.	APPD.	APPD.				
PROJECT										
MANUFACTURER										
										
TITLE										
PIPING & INSTRUMENTATION DRAWING										
ITEM NO.	HYD-75N	DWG NO.	GSA-HYD-0075N-02				REV.	△		
SCALE	NONE									



POWER SOURCE AC 220/380/440V, 1Ph, 50/60Hz		
10	SW1	SYSTEM ON/OFF SWITCH
9	C. OL	REF. COMPRESSOR OVERLOAD
8	HPS	HIGH PRESSURE SWITCH
7	T.S	DEW POINT TEMP. SENSOR
6	TR	TRANSFORMER(OPTION)
5	MC1	MAGNETIC CONTACTOR
4	PS	FAN CONTROLLER
3	C1	RUNNING CAPACITOR
2	M2	FAN MOTOR
1	M1	REF. COMPRESSOR
NO.	SYMBOL	DESCRIPTION



△									
△									
△									
△									
△									
△	2018. 11. 26.	ISSUED FOR REFERENCE							
REV. NO.	DATE	DESCRIPTION	DWG. CHK.	APPD.	APPD.	APPD.	APPD.	APPD.	APPD.
PROJECT									

MANUFACTURER

GSA
Global Service Air & Gas

TITLE

WIRING DRAWING

ITEM NO.	HYD-75N	DWG NO.	GSA-HYD-0075N-03	REV.	△
SCALE	NONE				

(A4 : 297mm x 210mm)