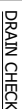


 Global Standard Air & Gas		Refrigerated Air Dryer		Rev.	Date	Prepared By	Checked By	Approved By
				1	2020.09.15	PARK.W.T.	PARK.W.T.	KIM.H.W.
		High Inlet Temp. Type		2				
				3				
				4				
Project Name		-		Model Name		HYD-30HTNS		
1	SPECIFICATION							
2	Supply Voltage	220V		Inlet Flow Rate	3.9		Nm3/min	
3	Phase	1PH		Inlet Pressure	7		barg	
4	Frequency	60Hz		Inlet Temp.	60		°C	
5	Control use	220V		Outlet Flow Rate	3.9		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	0.4		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	
13	CONSTRUCTION							
14	Refrigerant	R-22		Ref. Control Device	Capillary Tube			
15	Ref. Compressor Type	Rotary		Temp. Control Device	Hot Gas Bypass Valve			
16	Ref. Compressor Capacity	3/4	HP	Drain Trap Type	Auto Float			
17	Condenser Type	Air Cooled		Dimension (W x L x H)	455 X 875 X 1,262		mm	
18	Condenser Fan Motor	66	W	Weight	85		kg	
19	Condenser Fan Size	Ø300	mm	Power Consumption	0.97		kW	
20	Condenser Capacity	3/4	HP	Inlet Connection	25A	PT Female Screw		
21	Condenser Material	Aluminum & Copper		Outlet Connection	25A	PT Female Screw		
22	After Cooler Fan Motor	66	W	Drain Connection	15A	PT Female Screw		
23		1	EA	Color (Munsell)	5.7PB 4.1/9.9			
24		After Cooler Fan Size	Ø300		mm	5.7PB 2.9/3.5		
25	Heat Exchanger Type	Block						
26	Heat Exchanger Material	Aluminum						
27	STANDRAD FEATURES AND CONTROL							
28	Fan Controller	YES		Ref. Compressor	YES			
29	Ref. High Pressure Switch	YES		Ref. Filter Dryer	YES			
30	Overload Relay	NO		Capillary Tube	YES			
31	Power Relay for A/C Fan Motor	NO		Hot Gas Bypass Valve	YES			
32	Air Pressure Gauge	NO		Air Cooled Condenser	YES			
33	Ref. Pressure Gauge	NO						
34	Moisture Indicator	NO						
35	After Cooler	YES						
36	Pre Filter	YES						
37	After Filter	YES						
38	Drain	YES						
39	NOTES							
40								
41								
42								
43								
44								
45								
46								



SPECIFICATION

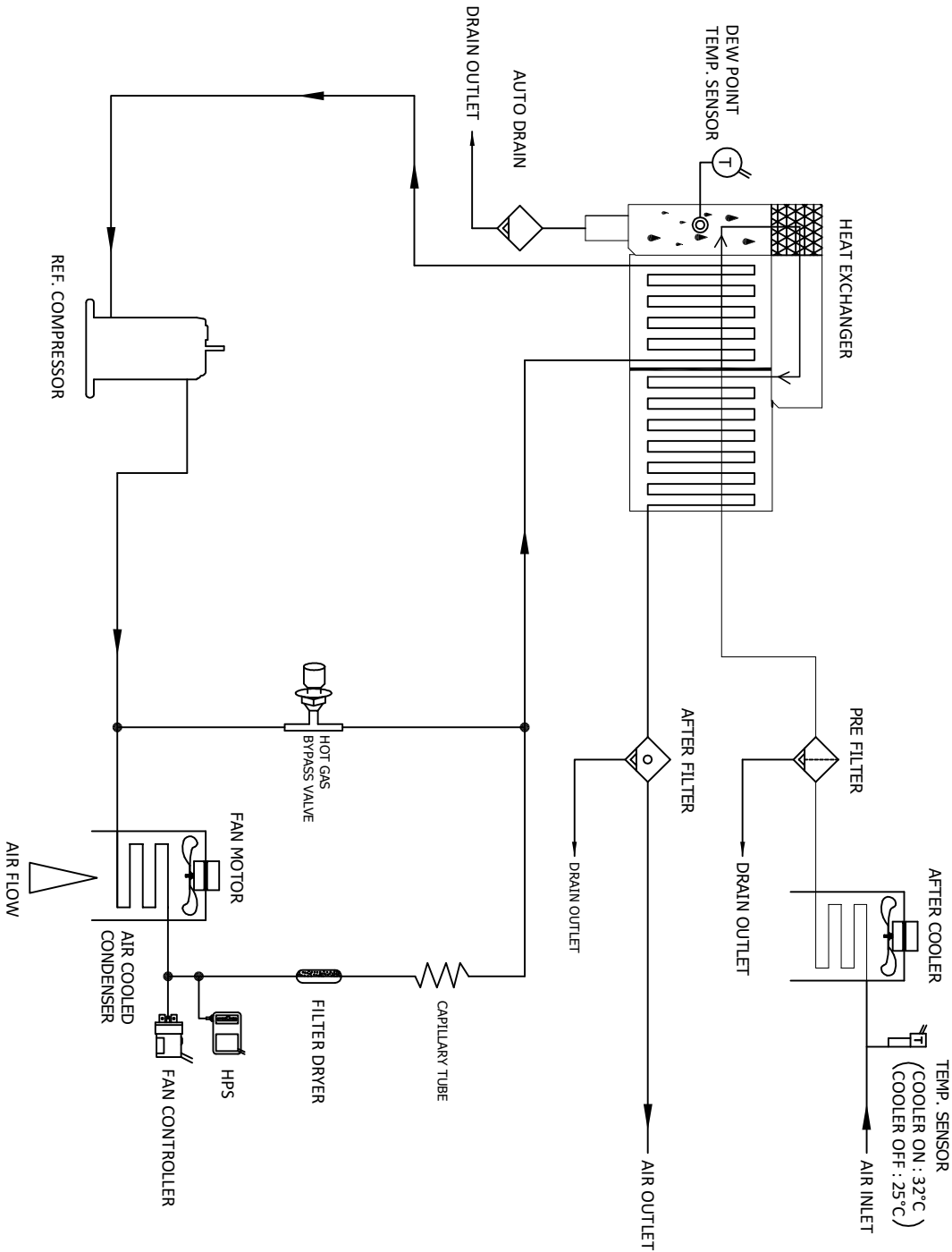
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△	2008.03.20	CHANGE OF CONTROL NO			
△	2008.11.26	ISSUED FOR REFERENCE			
NO	DATE	DESCRIPTION	DOC	APP	APP
PROJECT					

~~\$67~~

OUTLINE DRAWING

ITEM NO.	HYD-30HTNS	DWG NO.	REV. A
SCALE	NONE	GSA-HYD-0030HTNS-01	

DEW POINT	2~10°C @ POP
INLET AIR PRESSURE	7.0 BARG
INLET AIR TEMPERATURE	60°C
CAPACITY	3.9 Nm ³ /min
14 AFTER FILTER	HYF-1-25A
13 PRE FILTER	HYF-5-25A
12 AFTER COOLER	A/C-40
11 TEMP. SENSOR	COOLER CONTROL
10 CAPILLARY TUBE	-
9 HGV	-
8 AUTO DRAIN	IN : PT 15A / OUT : 6A
7 HEAT EXCHANGER	30HP
6 FILTER DRYER	3/8"
5 HPS	24 bag
4 FAN CONTROLLER	12 ~ 18 BARG
3 FAN MOTOR	66W 4P #300
2 A/C CONDENSER	3/4 HP (COOLING CAPACITY)
1 COMPRESSOR	(COOLING CAPACITY)
NO. PART NAME	DESCRIPTION QTY



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

GSA

PIPING & INSTRUMENTATION DRAWING

ITEM NO.	REV. NO.	DATE	BY
SCALE	NONE		



POWER SOURCE	
AC 220/380/440V, 1Ph, 50/60Hz	
13	SW1
12	C.O.L
11	REF. COMPRESSOR OVERLOAD
10	MINI/POWER RELAY
9	HPS
8	T.S2
7	T.S1
6	TR
5	MCI
4	PS
3	C1
2	M2
1	M1
NO.	SYMBOL
	DESCRIPTION

Δ					
Δ					
Δ					
Δ					
Δ	2020.03.20	CHANGE OF CONTROL NO			
Δ	2020.11.26	ISSUED FOR REFERENCE			
Δ	DATE	DESCRIPTION	DATE	CHK	APP
PROJECT				APP	APP

CS4
Child Standard for A & Cms

WIRING DRAWING