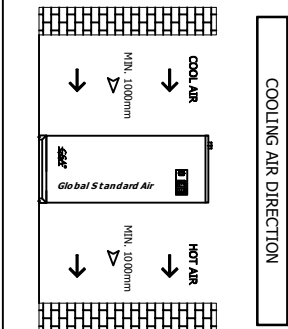
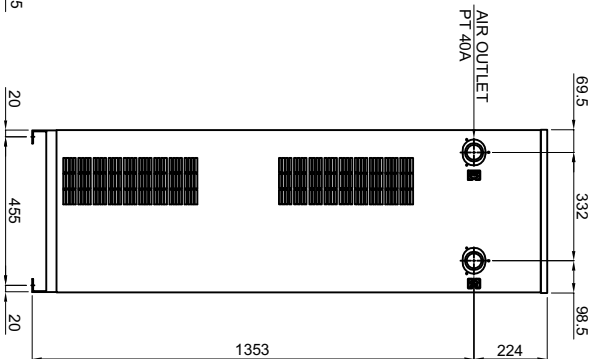
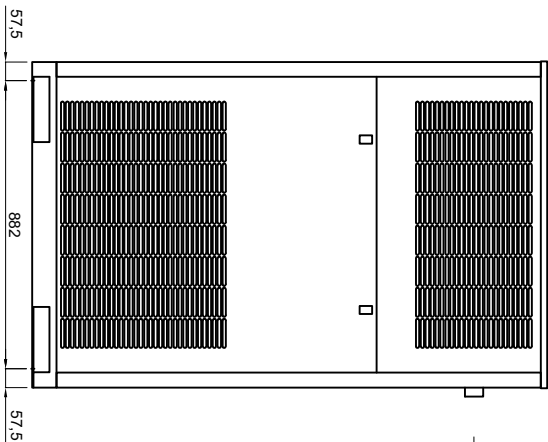
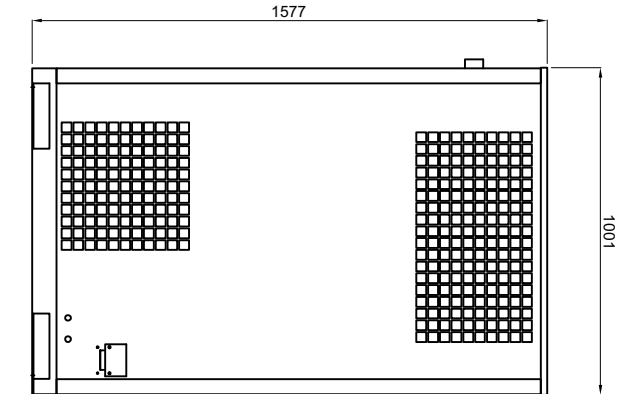


		Refrigerated Air Dryer High Inlet Temp. Type		Rev.	Date	Prepared By	Checked By	Approved By
				1	2020.09.15	PARK.W.T.	PARK.W.T.	KIM.H.W.
		2						
		3						
		4						
Project Name		-		Model Name		HYD-50HTNS		
SPECIFICATION								
1								
2	Supply Voltage	220V	Inlet Flow Rate	6.7	Nm3/min			
3	Phase	1PH	Inlet Pressure	7	barg			
4	Frequency	50Hz	Inlet Temp.	60	°C			
5	Control use	220V	Outlet Flow Rate	6.7	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			
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	1 HP	Drain Trap Type	Auto Float				
17	Condenser Type	Air Cooled	Dimension (W x L x H)	500 X 1,001 X 1,577	mm			
18	Condenser Fan Motor	100 W	Weight	155	kg			
19	Condenser Fan Size	Ø350 mm	Power Consumption	1.45	kW			
20	Condenser Capacity	1 HP	Inlet Connection	40A	PT Female Screw			
21	Condenser Material	Aluminum & Copper	Outlet Connection	40A	PT Female Screw			
22	After Cooler Fan Motor	16 W	Drain Connection	15A	PT Female Screw			
23		2 EA	Color (Munsell)	5.7PB 4.1/9.9				
24	After Cooler Fan Size	Ø250 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	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	YES	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						
NOTES								
39								
40								
41								
42								
43								
44								
45								
46								



INLET AIR TEMPERATURE	60°C
AMBIENT TEMPERATURE	32°C
INLET AIR PRESSURE	7 barg
CAPACITY	6.7 Nm³/min
IN/OUT CONNECTION	PT 40A
DIMENSION(WXDxH, mm)	500X1001X1577
WEIGHT	155 kg
POWER CONSUMPTION	1.45 kW
POWER SUPPLY	220V - 1PH - 60Hz



REVISION	DATE	DESCRIPTION	CHK	APP	REV
1	2024.01.20	CHANGE OF CONNECTION			
2	2024.11.26	ISSUED FOR REFERENCE			
3					
4					
5					
6					
7					
8					

MANUFACTURER

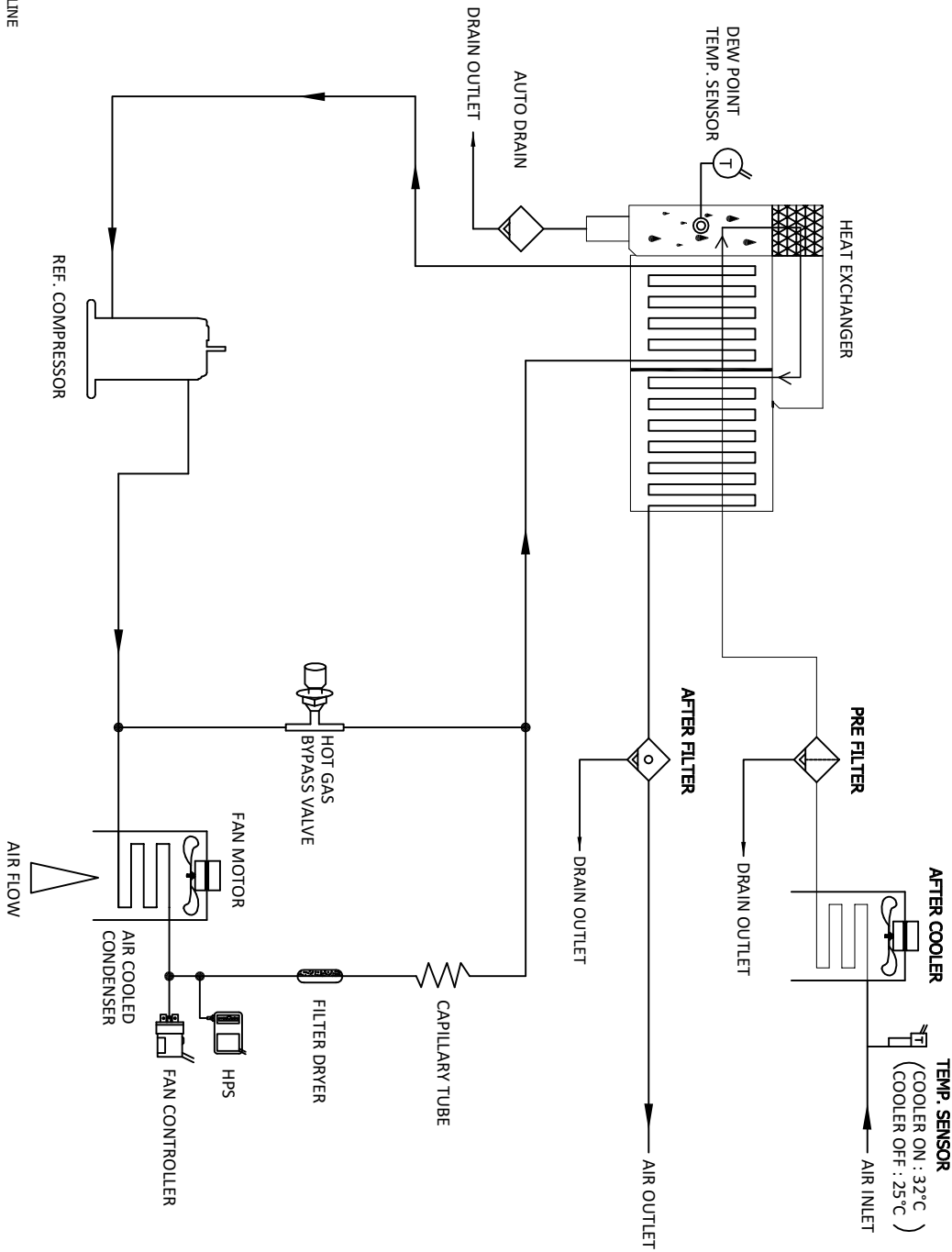


TITLE

OUTLINE DRAWING

ITEM NO.	REV. NO.	DATE	DESCRIPTION	CHK	APP
SCALE	NONE				

DEW POINT	2~10°C @ PDP		
INLET AIR PRESSURE	7.0 BARG		
INLET AIR TEMPERATURE	60°C		
CAPACITY	6.7 Nm³/min		
14	AFTER FILTER	1 PPM	1
13	PRE FILTER	5 MICRON	1
12	AFTER COOLER	A/C-50	1
11	TEMP. SENSOR	COOLER CONTROL	1
10	CAPILLARY TUBE	-	1
9	HIGHV	-	1
8	AUTO DRAIN	IN : PT. 15A / OUT : 6A	1
7	HEAT EXCHANGER	50HP	1
6	FILTER DRYER	3/8"	1
5	HPS	24 BARG	1
4	FAN CONTROLLER	12 ~ 18 BARG	1
3	FAN MOTOR	100W #P #350	1
2	A/C CONDENSER	1HP	1
1	COMPRESSOR	1HP (COOLING CAPACITY)	
NO.	PART NAME	DESCRIPTION	QTY



ITEM NO.	REV. NO.	DATE	DESCRIPTION	CHK.	APP.	DATE	DESCRIPTION	CHK.	APP.	DATE	DESCRIPTION
1	1	2024.09.15	ISSUED FOR REFERENCE								
2	2	2024.11.26	REVISION								

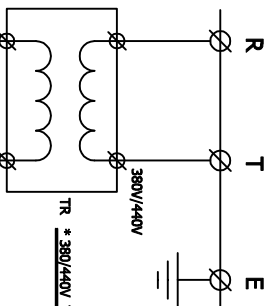


PIPING & INSTRUMENTATION DRAWING

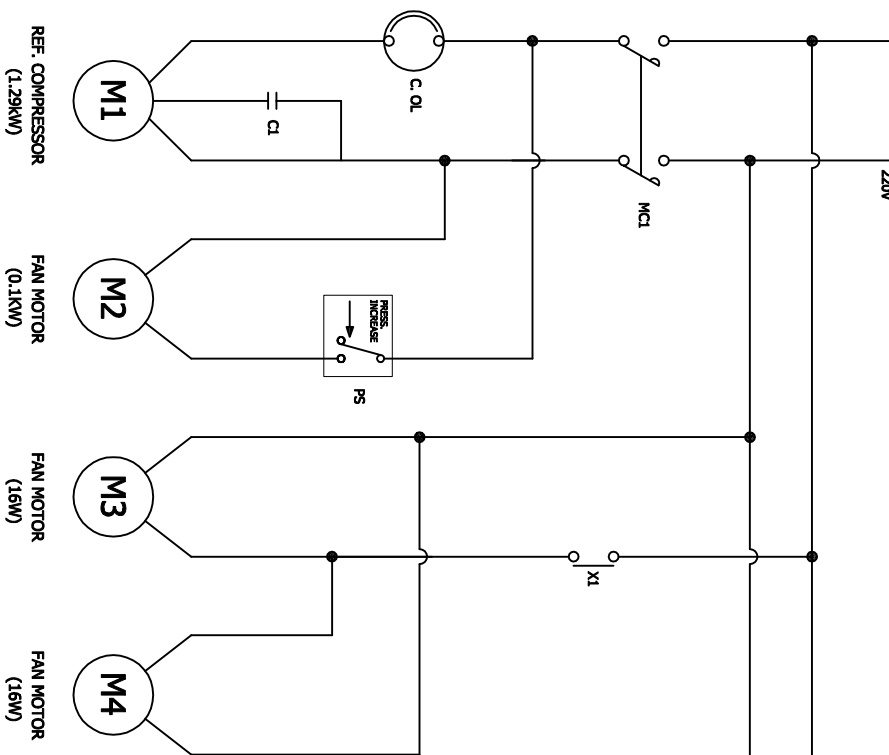
ITEM NO. 100-501100-001001-02

SCALE NONE





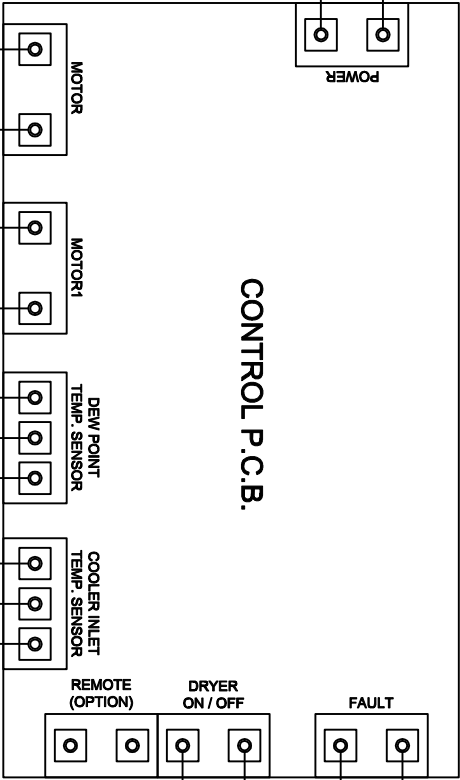
TR * 380/440V TRANSFORMER IS OPTIONAL.



CONTROL P.C.B.

(COOLER ON : 32°C)
(COOLER OFF : 25°C)

POWER SOURCE	
AC 220/380/440V, 1Ph, 50/60Hz	
13	SW1 DRYER ON/OFF SWITCH
12	C.O.L REF. COMPRESSOR OVERLOAD
11	X1 MAIN POWER RELAY
10	HPS HIGH PRESS. SWITCH
9	T.S2 AFTER COOLER TEMP. SENSOR
8	T.S1 DEWPOINT TEMP. SENSOR
7	TR TRANSFORMER(OPTION)
6	MC1 MAGNETIC CONTACTOR
5	PS FAN CONTROLLER
4	C1 STARTING CAPACITOR
3	M3, M4 FAN MOTOR(AFTER COOLER)
2	M2 FAN MOTOR(CONDENSER)
1	M1 REF. COMPRESSOR
NO.	SYMBOL DESCRIPTION



WIRING DRAWING

ITEM NO.	REV. NO.	DATE	BY
SCALE	NONE		