

		Eco-pro Refrigerated Air Dryer		Rev.	Date	Prepared By	Checked By	Approved By
				1	2022.01.11	WOO.I.H.	JO.S.J.	KIM.H.W.
		Air Cooled Type		2				
				3				
				4				
Project Name		-		Model Name		HYD-10N2		
SPECIFICATION								
2	Supply Voltage	220V		Inlet Flow Rate	1		Nm3/min	
3	Phase	1PH		Inlet Pressure	7		barg	
4	Frequency	60Hz		Inlet Temp.	38		°C	
5	Control use	220V		Outlet Flow Rate	1		Nm3/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		barg	
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-134A		Dimension (W x L x H)	248 X 559 X 660		mm	
15	Ref. Compressor Type	Recipro Hemertic		Weight	31		kg	
16	Ref. Compressor Capacity	1/5 HP		Min. Power Consumption	0.16		kW	
17	Condenser Type	Air Cooled		Inlet Connection	20A	PT Female Screw		
18	Condenser Fan Motor	9 W		Outlet Connection	20A	PT Female Screw		
19		1 EA		Drain Connection	10A	PT Female Screw		
20	Condenser Fan Size	230 mm		Color (Munsell)	5.7PB 4.1/9.9			
21	Condenser Type	Wire on Tube			5.7PB 2.9/3.5			
22	Condenser Material	Copper						
23	Heat Exchanger Type	Block						
24	Heat Exchanger Material	Aluminum						
25	Ref. Control Device	Capillary Tube						
26	ECO Mode Control	Dew Point Temp. Control						
27	Drain Trap Type	Auto Float						
STANDRAD FEATURES AND CONTROL								
29	Dew Point Temp. Switch	YES		Ref. Compressor	YES			
30	Ref. Liquid Filter Dryer	YES		Capillary Tube	YES			
31	Overload Relay	NO		Hot Gas Bypass Valve	NO			
32	Power On/Off Switch	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	NO		Circuit Breaker	NO			
37	Moisture Indicator	NO		Ref. Compressor Heater	NO			
38	Drain	YES		Fan Controller	YES			
NOTES								
40								
41								
42								
43								
44								
45								
46								



DEW POINT		2±10°C @ POP
INLET AIR PRESSURE		7.0 BARG
INLET AIR TEMPERATURE		38°C
CAPACITY		1.0 m ³ /min
9	AUTO DRAIN	IN: PT 15A / OUT: 6A
8	HEAT EXCHANGER	10 HP
7	CAPILLARY TUBE	-
6	FILTER DRYER	1/4"
5	DEW POINT TEMP. SW.	250V, 16A
4	FAN CONTROLLER	4 ~ 7 BARG
3	FAN MOTOR	9W @ 230V
2	A/C CONDENSER	WIRE ON TUBE TYPE
1	REF. COMPRESSOR	RECRIPROCATING TYPE
NO.	PART NAME	DESCRIPTION
		QTY

[illegible]

AIR OUTLET LINE

REF. LOW PRESS. LINE

REF. HIGH PRESS. LINE

PIPING & INSTRUMENTATION DRAWING

~~CSA~~
Global Standards for a Greener World

