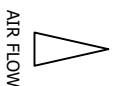


|                                                                                                                                |                               |                                   |  |                        |            |                 |                 |             |
|--------------------------------------------------------------------------------------------------------------------------------|-------------------------------|-----------------------------------|--|------------------------|------------|-----------------|-----------------|-------------|
| <div><br/>Global Standard Air &amp; Gas</div> |                               | Eco-Pro<br>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-5N2         |                 |             |
| 1                                                                                                                              | SPECIFICATION                 |                                   |  |                        |            |                 |                 |             |
| 2                                                                                                                              | Supply Voltage                | 220V                              |  | Inlet Flow Rate        |            | 0.5             |                 | Nm3/min     |
| 3                                                                                                                              | Phase                         | 1PH                               |  | Inlet Pressure         |            | 7               |                 | barg        |
| 4                                                                                                                              | Frequency                     | 60Hz                              |  | Inlet Temp.            |            | 38              |                 | °C          |
| 5                                                                                                                              | Control use                   | 220V                              |  | Outlet Flow Rate       |            | 0.5             |                 | 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          |
| 13                                                                                                                             | CONSTRUCTION                  |                                   |  |                        |            |                 |                 |             |
| 14                                                                                                                             | Refrigerant                   | R-134A                            |  | Dimension (W x L x H)  |            | 248 X 559 X 660 |                 | mm          |
| 15                                                                                                                             | Ref. Compressor Type          | Recipro Hemertic                  |  | Weight                 |            | 30              |                 | kg          |
| 16                                                                                                                             | Ref. Compressor Capacity      | 1/5 HP                            |  | Min. Power Consumption |            | 0.15            |                 | kW          |
| 17                                                                                                                             | Condenser Type                | Air Cooled                        |  | Inlet Connection       |            | 15A             | PT Female Screw |             |
| 18                                                                                                                             | Condenser Fan Motor           | 9 W                               |  | Outlet Connection      |            | 15A             | 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                        |  |                        |            |                 |                 |             |
| 28                                                                                                                             | 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             |                 |             |
| 39                                                                                                                             | NOTES                         |                                   |  |                        |            |                 |                 |             |
| 40                                                                                                                             |                               |                                   |  |                        |            |                 |                 |             |
| 41                                                                                                                             |                               |                                   |  |                        |            |                 |                 |             |
| 42                                                                                                                             |                               |                                   |  |                        |            |                 |                 |             |
| 43                                                                                                                             |                               |                                   |  |                        |            |                 |                 |             |
| 44                                                                                                                             |                               |                                   |  |                        |            |                 |                 |             |
| 45                                                                                                                             |                               |                                   |  |                        |            |                 |                 |             |
| 46                                                                                                                             |                               |                                   |  |                        |            |                 |                 |             |





|                       |                          |             |
|-----------------------|--------------------------|-------------|
| DEW POINT             | -2 to +6 °C @ 100%       |             |
| INLET AIR PRESSURE    | 7.0 BAR(g)               |             |
| INLET AIR TEMPERATURE | 38 °C                    |             |
| CAPACITY              | 0.5 Nm <sup>3</sup> /min |             |
| 9 AUTO DRAIN          | IN - PT 15A / OUT - 6A   | 1           |
| 8 HEAT EXCHANGER      | 5 HP                     | 1           |
| 7 CAPILLARY TUBE      | -                        | 1           |
| 6 FILTER DRYER        | 1/4"                     | 1           |
| 5 DEW POINT TEMP. SW. | 250V, 16A                | 1           |
| 4 FAN CONTROLLER      | 4 ~ 7 BAR(g)             | 1           |
| 3 FAN MOTOR           | 9W @ 230                 | 1           |
| 2 A/C CONDENSER       | WIRE ON TUBE TYPE        | 1           |
| 1 REF. COMPRESSOR     | RECIPROCATING TYPE       | QTY         |
| NO.                   | PART NAME                | DESCRIPTION |

[illegible]

AIR OUTLET LINE

REF. LOW PRESS. LINE

REF. HIGH PRESS. LINE

## PIPING & INSTRUMENTATION DRAWING

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Global Standards Air & Gas

