
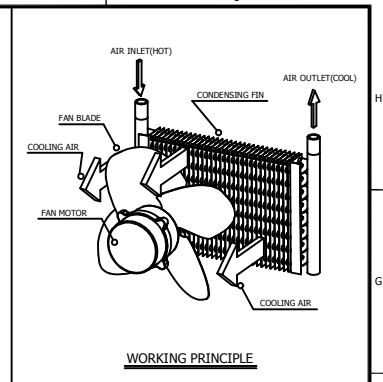
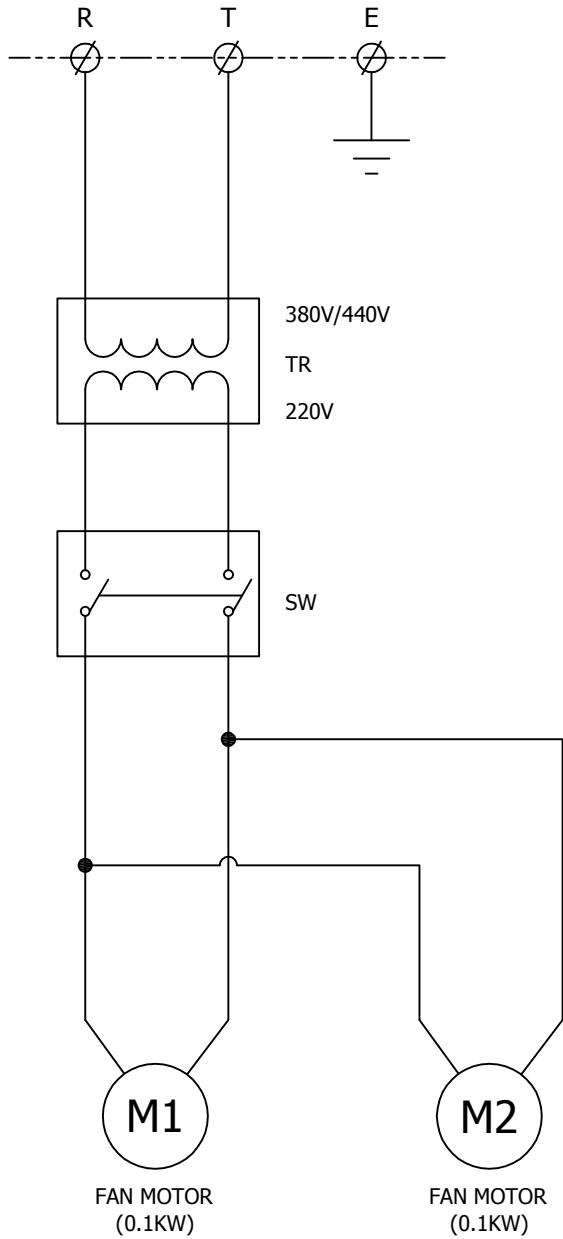


|   |                        |      |            |             |            |             |
|---|------------------------|------|------------|-------------|------------|-------------|
|  | <b>After Cooler</b>    | Rev. | Date       | Prepared By | Checked By | Approved By |
|   |                        | A    | 2019.01.15 | LEE.S.M.    | JO.S.J.    | KIM.H.W.    |
|   | B                      |      |            |             |            |             |
|   | C                      |      |            |             |            |             |
|   | D                      |      |            |             |            |             |
|   | <b>Air Cooled Type</b> |      |            |             |            |             |


|              |   |            |           |
|--------------|---|------------|-----------|
| Project name | - | Model Name | HYA-100AN |
|--------------|---|------------|-----------|

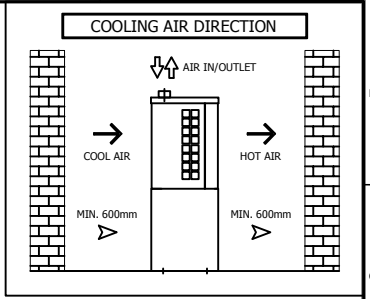
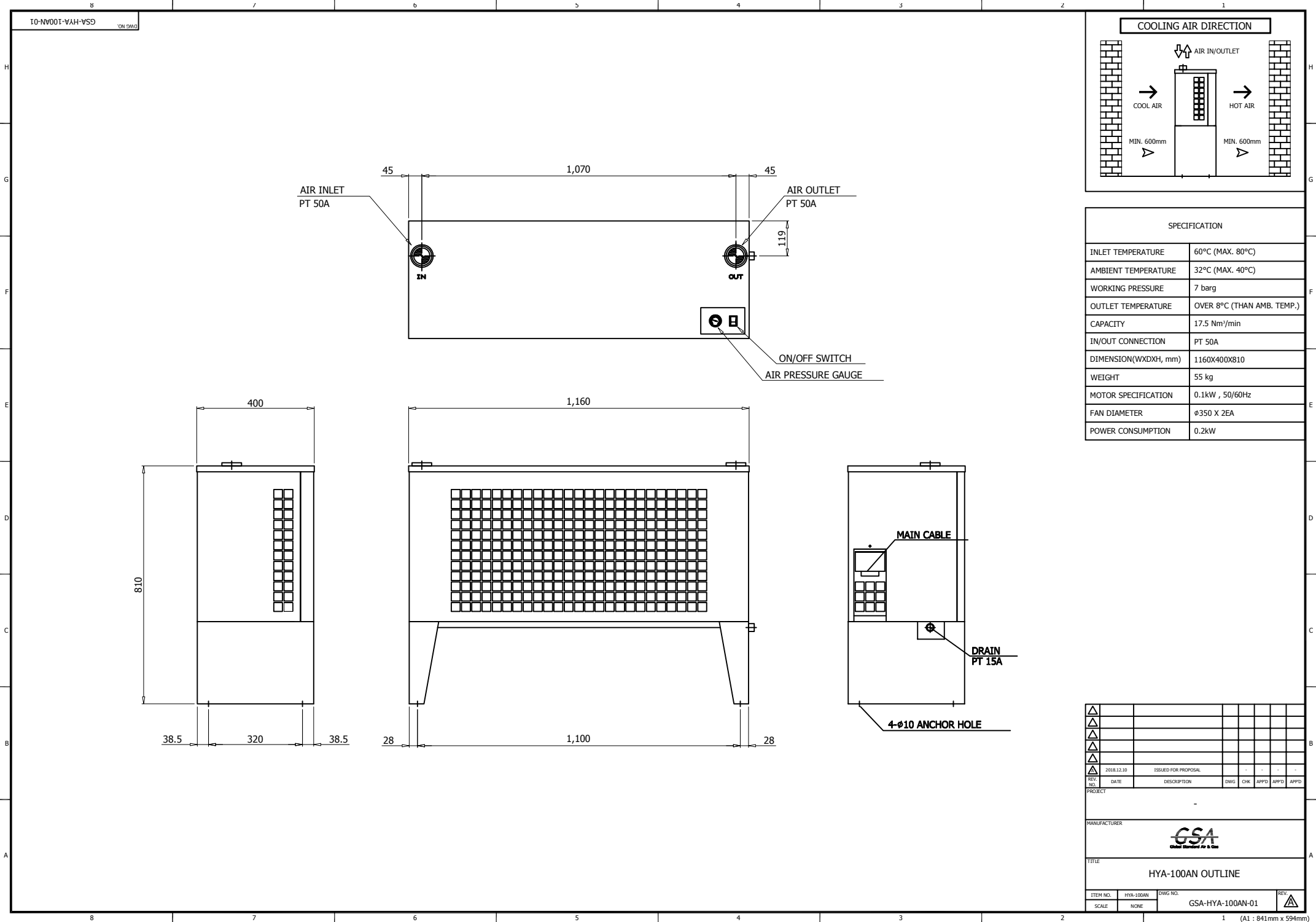
|    |                                      |                |                     |                              |                     |
|----|--------------------------------------|----------------|---------------------|------------------------------|---------------------|
| 1  | <b>SPECIFICATION</b>                 |                |                     |                              |                     |
| 2  | Supply Voltage                       | 220V           | Inlet Flow Rate     | 17.5                         | Nm3/min             |
| 3  | Phase                                | 1PH            | Inlet Pressure      | 7                            | barg                |
| 4  | Frequency                            | 60Hz           | Inlet Temp.         | 60                           | °C                  |
| 5  | Control use                          | 220V           | Outlet Flow Rate    | 17.5                         | Nm3/min             |
| 6  | Fulid                                | Compressed Air | Outlet Pressure     | 6.8                          | barg                |
| 7  | Location                             | Indoor         | Outlet Temp.        | Over 8 (than ambi. Temp.) °C |                     |
| 8  | Design Code                          | Maker STD.     | Pressure Drop       | 0.2                          | bar                 |
| 9  | Area Class                           | Non-Hazardous  | Design Pressure     | 9.7                          | barg                |
| 10 |                                      |                | Design Temperature  | 80                           | °C                  |
| 11 |                                      |                | Ambient Temperature | 32                           | °C                  |
| 12 | <b>CONSTRUCTION</b>                  |                |                     |                              |                     |
| 13 | Inlet Connection                     | 50A            | PT Female Screw     | Dimension (W x L x H)        | 1160 X 400 X 810 mm |
| 14 | Outlet Connection                    | 50A            | PT Female Screw     | Weight                       | 55 kg               |
| 15 | Drain Connection                     | 15A            | PT Female Screw     | Power Consumption            | 0.2 kW              |
| 16 | Color (Munsell)                      | 5.7PB 2.9/3.5  |                     |                              |                     |
| 17 |                                      |                |                     |                              |                     |
| 18 | <b>FAN &amp; MOTOR SPECIFICATION</b> |                |                     |                              |                     |
| 19 | Fan Diameter                         | Ø350           | mm                  |                              |                     |
| 20 | Motor Capacity                       | 52(100)        | W                   |                              |                     |
| 21 | Motor Rated Current                  | 0.56           | A                   |                              |                     |
| 22 | Motor Quantity                       | 2              | EA                  |                              |                     |
| 23 | Motor Pole                           | 4              | Pole                |                              |                     |
| 25 | <b>STANDRAD FEATURES AND CONTROL</b> |                |                     |                              |                     |
| 26 | Fan Motor Overload Relay             | NO             |                     |                              |                     |
| 27 | Pressure Gauge                       | YES            |                     |                              |                     |
| 28 | Magnetic Contactors                  | NO             |                     |                              |                     |
| 29 | Auto Drain                           | NO             |                     |                              |                     |
| 30 |                                      |                |                     |                              |                     |
| 31 |                                      |                |                     |                              |                     |
| 32 | <b>NOTES</b>                         |                |                     |                              |                     |
| 33 |                                      |                |                     |                              |                     |
| 34 |                                      |                |                     |                              |                     |
| 35 |                                      |                |                     |                              |                     |
| 36 |                                      |                |                     |                              |                     |
| 37 |                                      |                |                     |                              |                     |
| 38 |                                      |                |                     |                              |                     |
| 39 |                                      |                |                     |                              |                     |
| 40 |                                      |                |                     |                              |                     |
| 41 |                                      |                |                     |                              |                     |
| 42 |                                      |                |                     |                              |                     |
| 43 |                                      |                |                     |                              |                     |
| 44 |                                      |                |                     |                              |                     |
| 45 |                                      |                |                     |                              |                     |
| 46 |                                      |                |                     |                              |                     |




POWER SOURCE  
AC 220V, 1Ph, 60Hz

| NO. | SYMBOL | DESCRIPTION          |
|-----|--------|----------------------|
| 3   | TR     | TRANSFORMER (OPTION) |
| 2   | SW     | START/STOP SWITCH    |
| 1   | M1, M2 | FAN MOTOR            |

|  |            |                     |     |     |      |      |      |  |        |
|--|------------|---------------------|-----|-----|------|------|------|--|--------|
| △  |            |                     |     |     |      |      |      |  |        |
| △  |            |                     |     |     |      |      |      |  |        |
| △  |            |                     |     |     |      |      |      |  |        |
| △  |            |                     |     |     |      |      |      |  |        |
| △  | 2018.12.10 | ISSUED FOR PROPOSAL |     |     |      |      |      |  |        |
| REV.   | DATE       | DESCRIPTION         | DWG | CHK | APPD | APPD | APPD |  |        |
| PROJECT  |            |                     |     |     |      |      |      |  |        |
| MANUFACTURER   |            |                     |     |     |      |      |      |  |        |
| <br>Global Standard Air & Gas |            |                     |     |     |      |      |      |  |        |
| TITLE  |            |                     |     |     |      |      |      |  |        |
| HYA-100AN WIRING   |            |                     |     |     |      |      |      |  |        |
| ITEM NO.   | HYA-100AN  | DWG NO.             |     |     |      |      |      |  |        |
| SCALE  | NONE       | GSA-HYA-100AN-02    |     |     |      |      |      |  |        |
|  |            |                     |     |     |      |      |      |  | REV. △ |



| SPECIFICATION        |                            |
|----------------------|----------------------------|
| INLET TEMPERATURE    | 60°C (MAX. 80°C)           |
| AMBIENT TEMPERATURE  | 32°C (MAX. 40°C)           |
| WORKING PRESSURE     | 7 barg                     |
| OUTLET TEMPERATURE   | OVER 8°C (THAN AMB. TEMP.) |
| CAPACITY             | 17.5 Nm <sup>3</sup> /min  |
| IN/OUT CONNECTION    | PT 50A                     |
| DIMENSION(WXDXH, mm) | 1160X400X810               |
| WEIGHT               | 55 kg                      |
| MOTOR SPECIFICATION  | 0.1kW , 50/60Hz            |
| FAN DIAMETER         | φ350 X 2EA                 |
| POWER CONSUMPTION    | 0.2kW                      |

|   |            |                     |     |     |      |      |      |      |        |
|---|------------|---------------------|-----|-----|------|------|------|------|--------|
| △   |            |                     |     |     |      |      |      |      |        |
| △   |            |                     |     |     |      |      |      |      |        |
| △   |            |                     |     |     |      |      |      |      |        |
| △   |            |                     |     |     |      |      |      |      |        |
| △   |            |                     |     |     |      |      |      |      |        |
| △   | 2018.12.10 | ISSUED FOR PROPOSAL |     |     |      |      |      |      |        |
| REV.  | DATE       | DESCRIPTION         | DWG | CHK | APPD | APPD | APPD | APPD | APPD   |
| PROJECT   |            |                     |     |     |      |      |      |      |        |
| MANUFACTURER  |            |                     |     |     |      |      |      |      |        |
| <br><b>GSA</b><br><small>Global Standard Air &amp; Gas</small> |            |                     |     |     |      |      |      |      |        |
| TITLE   |            |                     |     |     |      |      |      |      |        |
| HYA-100AN OUTLINE   |            |                     |     |     |      |      |      |      |        |
| ITEM NO.  | HYA-100AN  | DWG NO.             |     |     |      |      |      |      |        |
| SCALE   | NONE       | GSA-HYA-100AN-01    |     |     |      |      |      |      |        |
|   |            |                     |     |     |      |      |      |      | REV. △ |