



SUZHOU HUAJING AIR-CONDITION PURIFICATION ENGINEERING  
INSTALLATION CO., LTD.

No.1348 Jinshe Road, Jinjiaba Industrial Park, Suzhou, Jiangsu China

Quotation Report

Pro\_system

To : From : Proposal Date  
Attn : H/P : Reference No.

Thank you for tendering this project, as per your technical requirements the proposal is shown below. We hope that this proposal has fully fulfilled your listed requirements.  
We also look forward to your next reply so that we can provide

| No.                                      | Series                        | Unit Model          | Spl/Fre/<br>Exh/ 2nd<br>Ret<br>AirFlow | Spl/<br>Exh<br>Esp | Cooling<br>Cap | Heating<br>Cap | eHeat<br>Cap | Humid<br>Cap | Motor kW-<br>Pole | Unit Size      | Operating<br>Weight | Qty  | Price/ Unit | Price/<br>Subtotal | Note                                                 |
|------------------------------------------|-------------------------------|---------------------|----------------------------------------|--------------------|----------------|----------------|--------------|--------------|-------------------|----------------|---------------------|------|-------------|--------------------|------------------------------------------------------|
|                                          |                               |                     | m³/h                                   | Pa                 | kW             | kW             | kW           | kg/h         | kW                | L*W*H (mm)     | KG                  | Unit | RMB         | RMB                |                                                      |
| 1                                        | Water Cooled<br>Screw Chiller | TWSFV0545.1GC<br>1H | —                                      | —                  | 1930           | —              | —            | —            | 316.2             | 3840*2120*2650 | 9000                | 1    | 695000      | 695000             | frequency<br>conversion/Level 1<br>energy efficiency |
| TOTAL ( Exclude Installation Charges ) : |                               |                     |                                        |                    |                |                |              |              |                   | 695000.00      |                     |      |             |                    |                                                      |
|                                          |                               |                     |                                        |                    |                |                |              |              |                   |                |                     |      |             |                    |                                                      |

Notes :  
1 This quoted price is EXW price.



Water Cooled Screw Chiller

Project Information

Project Name: 孟加拉项目  
Engineer: 016306-宋定林  
Date: 2026-02-03 17:29:35

Chiller Information

Model: TWSFV0545.1GC1H  
Type: Standard Model  
Comp Number 1

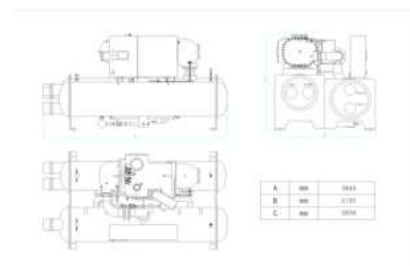
Design Conditions

|                       |        |                    |       |
|-----------------------|--------|--------------------|-------|
| Cooling Capacity (kW) | 1736.6 | COP                | 5.212 |
| Power Input (kW)      | 333.2  | kW/Ton             | 0.675 |
| Condensing Heat (kW)  | 2069.8 | IPLV(GB18430.1)    | 8.902 |
| Evaporator EWT (°C)   | 10.00  | Condenser EWT (°C) | 32.00 |
| Evaporator LWT (°C)   | 5.00   | Condenser LWT (°C) | 37.00 |

Evaporator Condenser

|        |   |        |   |
|--------|---|--------|---|
| Passes | 2 | Passes | 2 |
|--------|---|--------|---|

Starter Type: 变频(VSD)  
 Refrigerant: R-134a  
 Refrigerant Charge: 445  
 Length(mm): 3840  
 Width(mm): 2120  
 Height(mm): 2650  
 Shipping Weight(kg): 7850  
 OperatingWeight(kg): 9000



|                            |                      |                            |                      |
|----------------------------|----------------------|----------------------------|----------------------|
| Fluid Type                 | Water                | Fluid Type                 | Water                |
| concentration (vol.%)      | 0                    | Concentration (%)          | 0                    |
| Design Pressure (MPa)      | 1.0                  | Design Pressure (MPa)      | 1.0                  |
| Vessel Type                | Flooded              | Vessel Type                | /                    |
| Tube wall Thickness (mm)   | 0.635                | Tube wall Thickness (mm)   | 0.635                |
| Flow Rate (m³/h)           | 299                  | Flow Rate (m³/h)           | 356                  |
| Fouling Factor ((m².K)/kW) | 0.018                | Fouling Factor ((m².K)/kW) | 0.044                |
| Water Pressure Drop (kPa)  | 59.9                 | Water Pressure Drop (kPa)  | 52.7                 |
| Connection Size (DN)       | 250                  | Connection Size (DN)       | 250                  |
| Connection Direction       | Rightside            | Connection Direction       | Rightside            |
| Connection Method          | Clamp                | Connection Method          | Clamp                |
| Water Flow Switch          | DifferentialPressure | Water Flow Switch          | DifferentialPressure |

#### Compressor Information

|                 |                            |                       |              |
|-----------------|----------------------------|-----------------------|--------------|
| Compressor Type | Semi-hermetic Single Screw | Power Supply          | 380V/3N/50Hz |
| Oil Type        | TR001                      | Cable Current (A)     | 764.8        |
| Oil Charge (L)  | 60L                        | Starting Current (A)  | 168.5        |
| Noise (dB)      | 88.7                       | Operating Current (A) | 565.1        |

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API version: TWS 1.0.0 2026-02-03 17:29:35

#### Noise (Full Load)

|                |        |      |    |     |     |     |      |      |      |      |
|----------------|--------|------|----|-----|-----|-----|------|------|------|------|
| Frequency (Hz) | 1/3-OB | 1-OB | 63 | 125 | 250 | 500 | 1000 | 2000 | 4000 | 8000 |
| Noise (dBA)    | 88.7   | /    | /  | /   | /   | /   | /    | /    | /    | /    |

Sound pressure level (dB) measurements comply with the test methods specified in ANSI/AHRI Standard 575-2017, calculated using A-weighting;

Tolerance: Due to manufacturing variations and test repeatability, the actual noise level of the selected unit may deviate by ±3 dBA.

#### Options

|                           |      |                           |                           |
|---------------------------|------|---------------------------|---------------------------|
| Base Channel Steel        | No   | Relief Valve              | Single Safety Valve       |
| Breaker                   | Yes  | Year-round Cooling        | No                        |
| Thermal Insulation (mm)   | 40   | Vibration Damping         | Rubber Vibration Isolator |
| Sponge Ball Cleaning      | No   | Testing                   | Factory Self-Testing      |
| RS485                     | YES  | Control Cabinet IP rating | IP20                      |
| THDi (Variable Frequency) | ≤35% |                           |                           |

IPLV (GB18430.1)

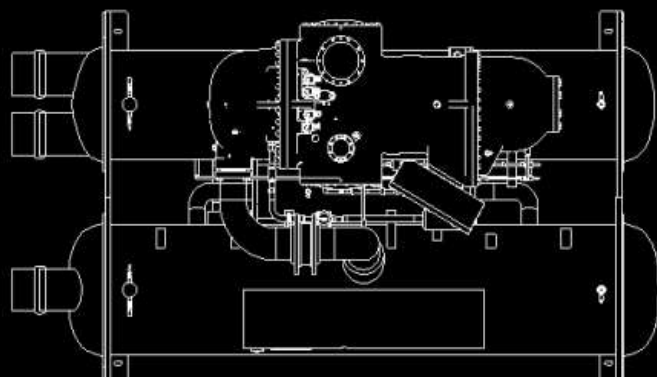
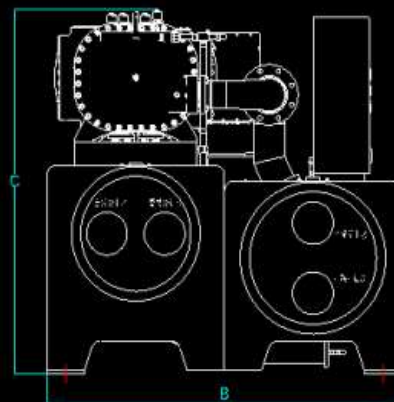
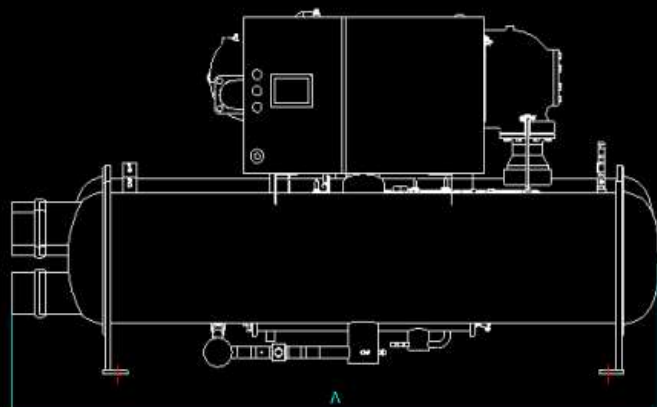
| POINT | Percentage (%) | Capacity (kW) | Input Power (kW) | kW/Ton | Cooling COP (W/W) | Evaporator |          |                  |           | Condenser |          |                  |           | Calculate Weights (%) |
|-------|----------------|---------------|------------------|--------|-------------------|------------|----------|------------------|-----------|-----------|----------|------------------|-----------|-----------------------|
|       |                |               |                  |        |                   | EWT (°C)   | LWT (°C) | Flow Rate (m³/h) | WPD (kPa) | EWT (°C)  | LWT (°C) | Flow Rate (m³/h) | WPD (kPa) |                       |
| 1     | 100            | 1930.0        | 316.2            | 0.576  | 6.104             | 12.00      | 7.00     | 332.0            | 71.2      | 30.00     | 34.66    | 415.0            | 69.8      | 2.3                   |
| 2     | 75             | 1447.5        | 181.3            | 0.440  | 7.983             | 10.75      | 7.00     | 332.0            | 71.5      | 26.00     | 29.38    | 415.0            | 71.2      | 41.5                  |
| 3     | 50             | 965.0         | 100.5            | 0.366  | 9.606             | 9.50       | 7.00     | 332.0            | 71.9      | 23.00     | 25.21    | 415.0            | 72.6      | 46.1                  |
| 4     | 25             | 482.5         | 47.7             | 0.348  | 10.106            | 8.25       | 7.00     | 332.0            | 72.2      | 19.00     | 20.10    | 415.0            | 74.2      | 10.1                  |

IPLV = 8.902 kW/kW

NPLV (GB18430.1)

| POINT | Percentage (%) | Capacity (kW) | Input Power (kW) | kW/Ton | Cooling COP (W/W) | Evaporator |          |                  |           | Condenser |          |                  |           | Calculate Weights (%) |
|-------|----------------|---------------|------------------|--------|-------------------|------------|----------|------------------|-----------|-----------|----------|------------------|-----------|-----------------------|
|       |                |               |                  |        |                   | EWT (°C)   | LWT (°C) | Flow Rate (m³/h) | WPD (kPa) | EWT (°C)  | LWT (°C) | Flow Rate (m³/h) | WPD (kPa) |                       |
| 1     | 100            | 1736.6        | 333.2            | 0.675  | 5.212             | 10.00      | 5.00     | 298.7            | 59.9      | 32.00     | 37.00    | 356.0            | 52.7      | 2.3                   |
| 2     | 75             | 1302.5        | 189.2            | 0.511  | 6.883             | 8.75       | 5.00     | 298.7            | 60.2      | 27.67     | 31.27    | 356.0            | 53.7      | 41.5                  |
| 3     | 50             | 868.3         | 95.8             | 0.388  | 9.060             | 7.50       | 5.00     | 298.7            | 60.5      | 23.33     | 25.66    | 356.0            | 55.3      | 46.1                  |
| 4     | 25             | 434.2         | 47.3             | 0.383  | 9.188             | 6.25       | 5.00     | 298.7            | 60.8      | 19.00     | 20.16    | 356.0            | 56.7      | 10.1                  |

NPLV = 8.081 kW/kW



|   |    |      |
|---|----|------|
| A | mm | 1111 |
| B | mm | 6666 |
| C | mm | 8888 |

