



# TCL BREEZEIN Series Hi Wall Mounted Ductless Mini Split System – R454b

INSPIRE GREATNESS

## SUBMITTAL DATA SHEET

Job Name \_\_\_\_\_  
 Buyer \_\_\_\_\_  
 Submitted to \_\_\_\_\_  
 Unit Designation \_\_\_\_\_

Location \_\_\_\_\_  
 Engineer \_\_\_\_\_  
 Reference \_\_\_\_\_ Approval \_\_\_\_\_ Construction \_\_\_\_\_  
 Schedule # \_\_\_\_\_

|                      |                   |      |  |
|----------------------|-------------------|------|--|
| <b>AHRI #</b>        | <b>215387262</b>  |      |  |
| <b>Set Code</b>      |                   |      |  |
| Indoor Code          |                   |      |  |
| Outdoor Code         |                   |      |  |
| <b>Set Model #</b>   | <b>H24SBH22XP</b> |      |  |
| Indoor Model #       | H24SBH22XPE       |      |  |
| Outdoor Model #      | H24SBH22XPC       |      |  |
| <b>Certification</b> | ETL               | AHRI |  |
|                      | Energy Star       | NEEP |  |



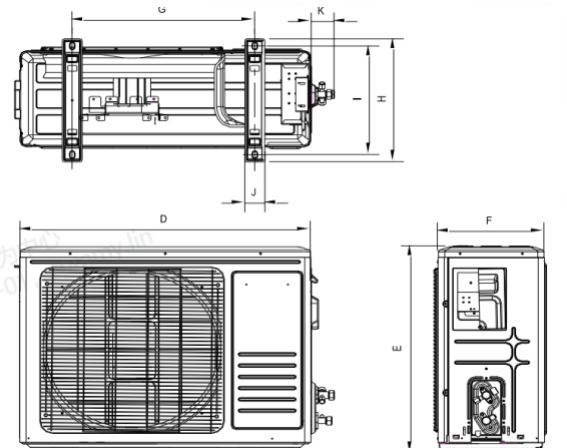
### Indoor Unit Dimension



| Model       | indoor Unit (inch / mm) |          |          |
|-------------|-------------------------|----------|----------|
|             | A                       | B        | C        |
| H24SBH22XPE | 43.3/1100               | 8.7/ 222 | 13.1/333 |

### Outdoor Unit Dimension

| Model       | Outdoor Unit (inch / mm) |          |          |          |
|-------------|--------------------------|----------|----------|----------|
| H24SBH22XPC | D                        | E        | F        | G        |
|             | 36.1/916                 | 31.6/803 | 13.9/353 | 23.9/607 |
|             | H                        | I        | J        | K        |
|             | 16.6/421                 | 15.4/390 | 2.5/63   | 2.4/62   |



**TCL NORTH AMERICA**

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| SYSTEM PERFORMANCE DATA         |       |                       |
|---------------------------------|-------|-----------------------|
| <b>Power supply</b>             |       |                       |
| Power Supply                    |       | 208/230V / 1Ph / 60Hz |
| Voltage Range (Min - Max)       | V     | 165 - 265             |
| <b>Electrical</b>               |       |                       |
| Min. Circuit Ampacity - MCA     | A     | 17                    |
| Max. FUSE Size                  | A     | 30                    |
| Connection Wiring               |       | 16AWG*4               |
| <b>Cooling at 95°F (35°C)</b>   |       |                       |
| Capacity                        | BTU/h | 23,000                |
| Rated Input Power               | W     | 1860                  |
| Rated Current                   | A     | 8.3                   |
| SEER2 / EER2                    |       | 23 / 12               |
| <b>Heating at 47°F (8.3°C)</b>  |       |                       |
| Capacity                        | BTU/h | 25,000                |
| Rated Input Power               | W     | 2,000                 |
| Rated Current                   | A     | 9                     |
| HSPF2 -4 / COP                  |       | 9.5 / 3.41            |
| <b>Heating at 17°F (-8.3°C)</b> |       |                       |
| Capacity                        | BTU/h | 14,000                |
| <b>Heating at 5°F (-15°C)</b>   |       |                       |
| Capacity                        | BTU/h | 18,900                |
| COP                             |       | 1.8                   |

| REFRIGERANT PIPING DATA       |        |                  |
|-------------------------------|--------|------------------|
| Refrigerant Type / Charged    | oz     | R454b / 55.03    |
| Pre-Charge Length Total       | ft (m) | 25 (7.5)         |
| Additional Charge             | oz/ft  | 0.11             |
| Design Pressure               | PSIG   | 725              |
| Line Set Sized (Liquid - Gas) | in     | 1/4 - 5/8        |
| Line Set Length (Min - Max)   | ft (m) | 10 ~ 98 (3 ~ 30) |
| Max. Pipe Elevation           | ft (m) | 65 (20)          |
| Connection method             |        | Flared           |
| Throttle Type                 |        | Capillary        |

| TEMPERATURE RANGE     |         |                     |
|-----------------------|---------|---------------------|
| Indoor Cooling Range  | °F (°C) | >=61 (16)           |
| Indoor Heating Range  | °F (°C) | <=88 (31)           |
| Outdoor Cooling Range | °F (°C) | 5 ~ 133 (-15 ~ 55)  |
| Outdoor Heating Range | °F (°C) | -13 ~ 86 (-25 ~ 30) |

| INDOOR UNIT DATA           |           |                                        |
|----------------------------|-----------|----------------------------------------|
| <b>Fan Motor Type</b>      |           |                                        |
|                            |           | DC Motor with crossflow Fan            |
| Model                      |           | ZKFP-45-8-111-3                        |
| Brand                      |           | Welling                                |
| Input                      | W         | 45                                     |
| Speed                      | r/min     | 1,400                                  |
|                            |           | -                                      |
|                            |           | -                                      |
| <b>Performance</b>         |           |                                        |
| Air Flow (Min - Max)       | CFM       | 423~676                                |
| Sound Pressure (Min - Max) | dB(A)     | 32 ~ 49                                |
| <b>Unit Data</b>           |           |                                        |
| External Dimensions        | in        | 43.3 × 13.1 × 8.7                      |
| (W × H × D)                | mm        | 1100 × 333 × 222                       |
| Package Dimensions         | in        | 45.9 × 15.9 × 11.6                     |
| (W × H × D)                | mm        | 1165 × 405 × 295                       |
| Weight (Net / Gross)       | Lbs.(kgs) | 30.9 / 35.3(14 / 16)                   |
| <b>Thermostat type</b>     |           | Wireless Remote Controller with Wi-Fi® |

| OUTDOOR UNIT DATA       |           |                                   |
|-------------------------|-----------|-----------------------------------|
| <b>Compressor Type</b>  |           |                                   |
|                         |           | Rotary, Inverter                  |
| Brand & Model           |           | SANYO/C-6RZ210H1EBF               |
| Input                   |           | 1,400                             |
| RLA                     |           | 5.61                              |
| <b>Motor Type</b>       |           |                                   |
|                         |           | DC                                |
| Brand & Model           |           | Broad-Ocean/ZW511B500037          |
| Input                   | W         | 85                                |
| Speed                   | r/min     | 850                               |
| <b>Performance</b>      |           |                                   |
| Air Flow (Max)          | CFM       | 2,100                             |
| Sound Pressure Level    | dB(A)     | 59                                |
| <b>Unit Data</b>        |           |                                   |
| External Dimensions     | in        | 38.50 × 31.6 × 16.6               |
| (W × H × D)             | mm        | 978 × 803 × 421                   |
| Package Dimensions      | in        | 40.2 × 32.9 × 18.9                |
| (W × H × D)             | mm        | 1022×835 × 480                    |
| Weight (Net / Gross)    | Lbs.(kgs) | 104.7 / 125.7 (47.5 / 57)         |
| <b>Limited Warranty</b> |           | 5 Years Parts, 7 Years Compressor |

#### General Features:

- Easy Installation
- Easy Maintenance
- High Efficiency
- Wireless Remote with LCD Display
- Invisible LED Display
- Turbo Cooling & Heating
- Extreme Cooling & Heating
- AI Algorithm Inverter Tech
- I FEEL Function
- 3D & Smart Air Flow
- ECO Mode
- Self-diagnosis
- Sleep Mode
- Healthy Filter
- Deep Self Cleaning
- Smart Wi-Fi & Voice Control
- Filter Reminder
- Auto Restart

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