



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

INSPIRE GREATNESS

## SUBMITTAL DATA SHEET

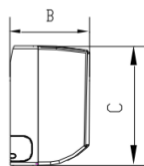
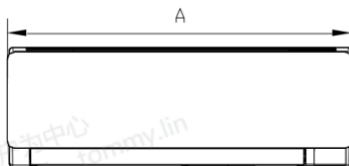
Job Name \_\_\_\_\_  
 Buyer \_\_\_\_\_  
 Submitted to \_\_\_\_\_  
 Unit Designation \_\_\_\_\_

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

|                      |                   |      |  |
|----------------------|-------------------|------|--|
| <b>AHRI #</b>        | <b>215387258</b>  |      |  |
| <b>Set Code</b>      |                   |      |  |
| Indoor Code          |                   |      |  |
| Outdoor Code         |                   |      |  |
| <b>Set Model #</b>   | <b>H12SBH22BP</b> |      |  |
| Indoor Model #       | H12SBH22BPE       |      |  |
| Outdoor Model #      | H12SBH22BPC       |      |  |
| <b>Certification</b> | ETL               | AHRI |  |
|                      | Energy Star       | NEEP |  |



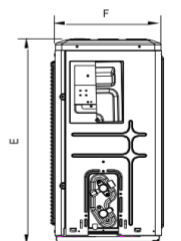
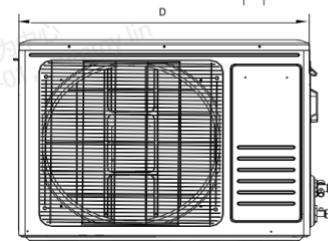
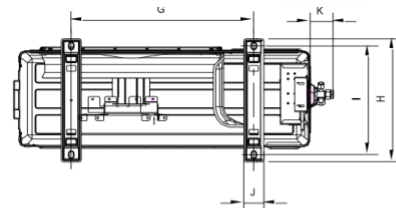
### Indoor Unit Dimension



| Model       | indoor Unit (inch / mm) |         |          |
|-------------|-------------------------|---------|----------|
|             | A                       | B       | C        |
| H12SBH22BPE | 36.2/920                | 7.7/195 | 12.1/306 |

### Outdoor Unit Dimension

| Model       | Outdoor Unit (inch / mm) |           |         |            |
|-------------|--------------------------|-----------|---------|------------|
| H12SBH22BPC | D                        | E         | F       | G          |
|             | 29.8/758                 | 21.6/549  | 9.9/252 | 17.0/433.8 |
|             | H                        | I         | J       | K          |
|             | 12 / 305                 | 10.94/278 | 1.88/48 | 2.0 / 52   |



**TCL NORTH AMERICA**

189 Technology Dr, Irvine, CA 92618

www.tcl.com



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## SUBMITTAL DATA SHEET

## SYSTEM PERFORMANCE DATA

## Power supply

|                           |   |                   |
|---------------------------|---|-------------------|
| Power Supply              |   | 115V / 1Ph / 60Hz |
| Voltage Range (Min - Max) | V | 97 - 133          |

## Electrical

|                             |   |         |
|-----------------------------|---|---------|
| Min. Circuit Ampacity - MCA | A | 18      |
| Max. FUSE Size              | A | 25      |
| Connection Wiring           |   | 16AWG*4 |

## Cooling at 95°F (35°C)

|                   |       |         |
|-------------------|-------|---------|
| Capacity          | BTU/h | 12,000  |
| Rated Input Power | W     | 960     |
| Rated Current     | A     | 8.3     |
| SEER2 / EER2      |       | 23 / 13 |

## Heating at 47°F (8.3°C)

|                   |       |           |
|-------------------|-------|-----------|
| Capacity          | BTU/h | 12,400    |
| Rated Input Power | W     | 890       |
| Rated Current     | A     | 8         |
| HSPF2 -4 / COP    |       | 10 / 3.81 |

## Heating at 17°F (-8.3°C)

|          |       |       |
|----------|-------|-------|
| Capacity | BTU/h | 7,800 |
|----------|-------|-------|

## Heating at 5°F (-15°C)

|          |       |       |
|----------|-------|-------|
| Capacity | BTU/h | 8,900 |
| COP      |       | 2.1   |

## REFRIGERANT PIPING DATA

|                               |        |                  |
|-------------------------------|--------|------------------|
| Refrigerant Type / Charged    | oz     | R454b / 35.27    |
| 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 -3/8         |
| Line Set Length (Min - Max)   | ft (m) | 10 ~ 65 (3 ~ 20) |
| Max. Pipe Elevation           | ft (m) | 33 (10)          |
| 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

## Fan Motor Type

DC Motor with crossflow Fan

|       |       |               |
|-------|-------|---------------|
| Model |       | ZKFP-20-8-148 |
| Brand |       | Welling       |
| Input | W     | 25            |
| Speed | r/min | 1,350         |

## Performance

|                            |       |           |
|----------------------------|-------|-----------|
| Air Flow (Min - Max)       | CFM   | 294 ~ 471 |
| Sound Pressure (Min - Max) | dB(A) | 25 ~ 44   |

## Unit Data

|                      |           |                         |
|----------------------|-----------|-------------------------|
| External Dimensions  | in        | 36.2 × 12.1 × 7.7       |
| (W × H × D)          | mm        | 920 × 306 × 195         |
| Package Dimensions   | in        | 38.9 × 15.0 × 10.4      |
| (W × H × D)          | mm        | 990 × 380 × 265         |
| Weight (Net / Gross) | Lbs.(kgs) | 23.1 / 30.9 (10.5 / 14) |

## Thermostat type

Wireless Remote Controller with Wi-Fi®

## OUTDOOR UNIT DATA

## Compressor Type

Rotary, Inverter

|               |  |                      |
|---------------|--|----------------------|
| Brand & Model |  | -GMCC/KSK103D33UEZC3 |
| Input         |  | 830                  |
| RLA           |  | 5.65                 |

## Motor Type

DC

|               |       |                           |
|---------------|-------|---------------------------|
| Brand & Model |       | Broad-Ocean/ZW465A500049L |
| Input         | W     | 33                        |
| Speed         | r/min | 1,000                     |

## Performance

|                      |       |       |
|----------------------|-------|-------|
| Air Flow (Max)       | CFM   | 1,170 |
| Sound Pressure Level | dB(A) | 53    |

## Unit Data

|                      |           |                           |
|----------------------|-----------|---------------------------|
| External Dimensions  | in        | 31.8 × 21.6 × 12          |
| (W × H × D)          | mm        | 810 × 549 × 305           |
| Package Dimensions   | in        | 33.5 × 23.6 × 14.1        |
| (W × H × D)          | mm        | 852 × 600 × 358           |
| Weight (Net / Gross) | Lbs.(kgs) | 58.4 / 69.4 (26.5 / 31.5) |

## Limited Warranty

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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