

|           |  |
|-----------|--|
| Job Name: |  |
| Tag#      |  |



## Submittal Data Sheet

FTKB12AXVJU / RKB12AXVJU

1.0-Ton Wall Mounted Cooling Only System



### Efficiency

| Cooling |     |
|---------|-----|
| SEER    | 17  |
| EER     | 8.5 |

### Performance

| Cooling (Btu/hr) |                         |
|------------------|-------------------------|
| Rated (Min/Max)  | 11,000 (4,400 – 13,000) |
| Sensible @ AHRI  | 8,189                   |
| Operating Range  | 50°F – 115°F            |

**Rated Cooling Conditions:** Indoor: 80°F DB/67°F WB  
Outdoor: 95°F DB/75°F WB

### Electrical

|                       | 208/60/1 | 230/60/1 |
|-----------------------|----------|----------|
| System MCA            | 7.7      | 7.7      |
| System MFA            | 15       | 15       |
| Compressor RLA        | 7.5      | 7.5      |
| Outdoor fan motor FLA | .19      | .19      |
| Outdoor fan motor W   | 41       | 41       |
| Indoor fan motor FLA  | .20      | .20      |
| Indoor fan motor W    | 18       | 18       |

**MFA:** Max. fuse amps **MCA:** Min. circuit amps (A) **FLA:** Full load amps (A)  
**RLA:** Rated load amps (A) **W:** Fan motor rated output (W)

### Indoor Specifications

| Airflow Rate (cfm)          | Cooling                    |     |
|-----------------------------|----------------------------|-----|
|                             | H                          | M   |
|                             | 360                        | 282 |
|                             | L                          |     |
|                             | 232                        |     |
| Sound (dBA)<br>H / M / L    | 42 / 35 / 32               |     |
| Dimensions (H × W × D) (in) | 11-11/16 × 35-1/16 × 8-1/4 |     |
| Weight (Lbs)                | 20                         |     |

### Outdoor Specifications

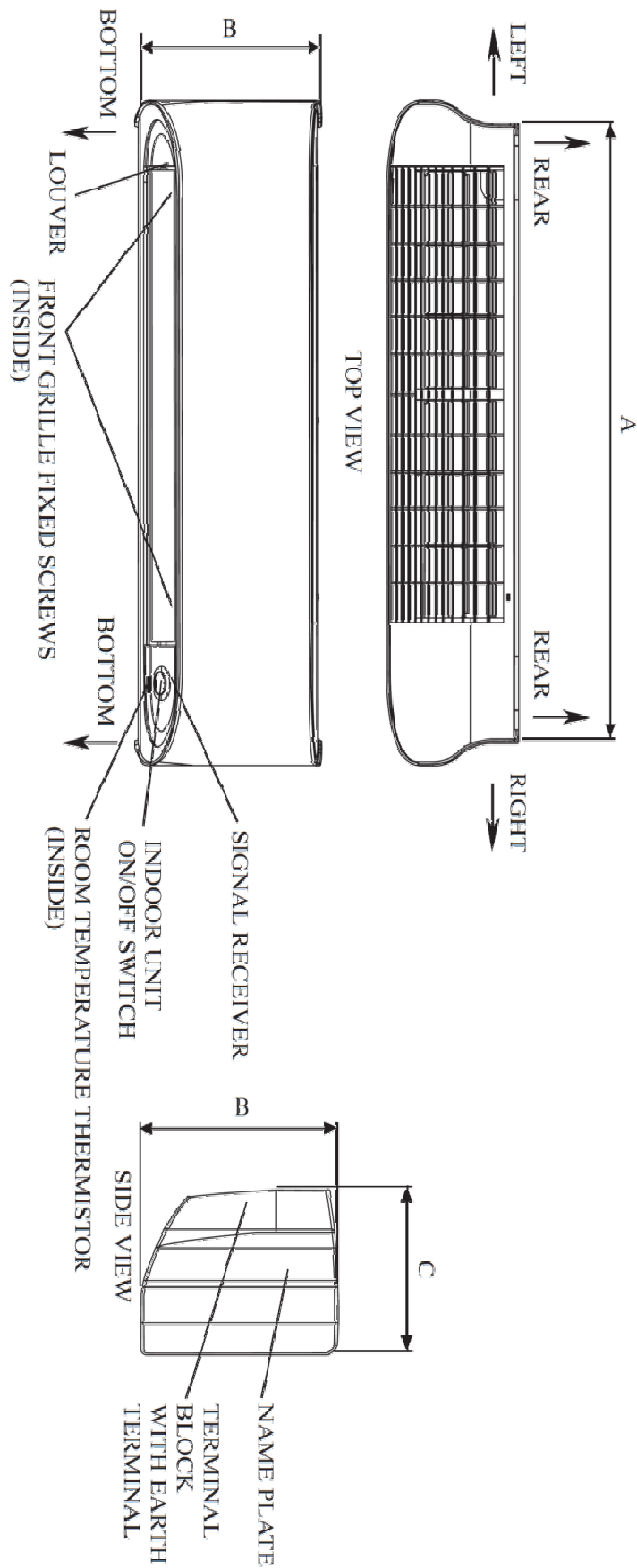
| Compressor                  | Hermetically Sealed Swing Type |     |
|-----------------------------|--------------------------------|-----|
| Refrigerant                 | R-410A                         |     |
| Factory Charge (Lbs)        | 2.20                           |     |
| Refrigerant Oil             | PVE (FVC50K)                   |     |
| Airflow Rate (cfm)          | Cooling                        |     |
|                             | H                              | 730 |
| Sound Pressure Level (dBA)  | 48                             |     |
| Dimensions (H × W × D) (in) | 21-5/8 × 25-15/16 × 10-3/4     |     |
| Weight (Lbs)                | 57                             |     |

### Piping

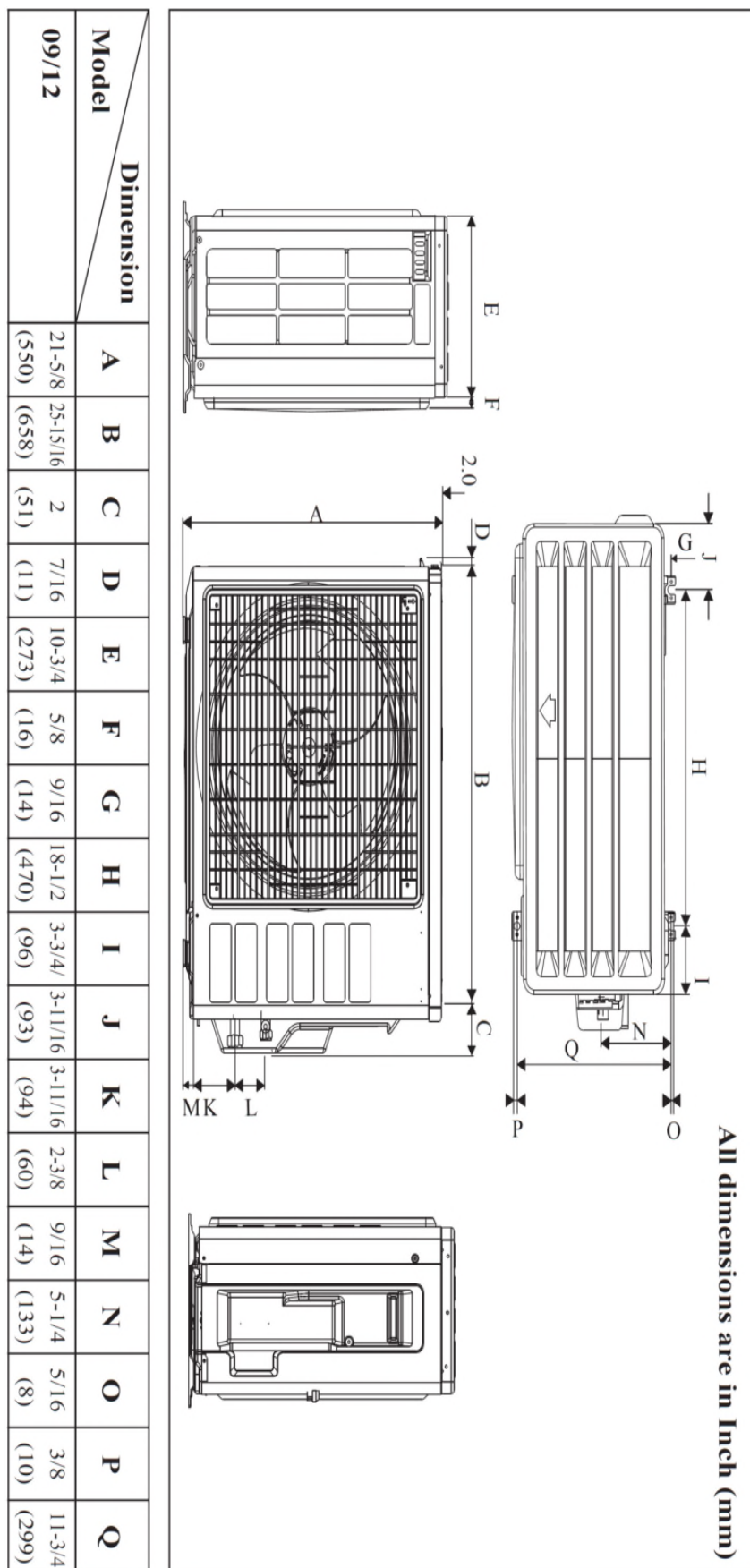
|  |        |
|--|--------|
| Liquid (in)                              | 1/4    |
| Gas (in)                                 | 3/8    |
| Drain (in)                               | 3/4    |
| Max. Interunit Piping Length (ft)        | 65.625 |
| Max. Interunit Height Difference (ft)    | 32.8   |
| Chargeless (ft)                          | 24.6   |
| Additional Charge of Refrigerant (oz/ft) | .21    |

Daikin North America LLC 5151 San Felipe, Suite 500 Houston, TX 77056

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| Model | Dimension        |                   |                |
|-------|------------------|-------------------|----------------|
| 09/12 | A                | B                 | C              |
|       | 35-1/16<br>(890) | 11-11/16<br>(297) | 8-1/4<br>(210) |



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# FTKB12AXVJU / RKB12AXVJU Performance Tables



## Cooling Mode

| AFR<br>'CFM' | EWB    | EDB    | Outdoor temperature |       |      |        |       |      |        |       |      |        |       |      |         |       |      |         |       |      |
|--------------|--------|--------|---------------------|-------|------|--------|-------|------|--------|-------|------|--------|-------|------|---------|-------|------|---------|-------|------|
|              |        |        | 66.2°F              |       |      | 77.0°F |       |      | 86.0°F |       |      | 95.0°F |       |      | 104.0°F |       |      | 114.8°F |       |      |
|              |        |        | TC                  | SC    | PI   | TC     | SC    | PI   | TC     | SC    | PI   | TC     | SC    | PI   | TC      | SC    | PI   | TC      | SC    | PI   |
| 232          | 61.6°F | 69.2°F | 10368               | 7040  | 0.98 | 10002  | 6856  | 1.06 | 9630   | 6672  | 1.15 | 9243   | 6480  | 1.25 | 8488    | 6031  | 1.35 | 7836    | 5673  | 1.49 |
|              |        | 74.6°F | 10382               | 8430  | 0.98 | 10014  | 8237  | 1.06 | 9643   | 8046  | 1.15 | 9257   | 7846  | 1.25 | 8505    | 7327  | 1.36 | 7867    | 6914  | 1.49 |
|              |        | 80.0°F | 10464               | 9558  | 0.98 | 10116  | 9341  | 1.07 | 9760   | 9121  | 1.15 | 9393   | 8888  | 1.25 | 8667    | 8271  | 1.36 | 8064    | 7767  | 1.50 |
|              |        | 85.4°F | 10786               | 10786 | 0.99 | 10476  | 10476 | 1.07 | 10159  | 10159 | 1.16 | 9832   | 9832  | 1.26 | 9114    | 9114  | 1.37 | 8526    | 8526  | 1.51 |
|              | 67.0°F | 74.6°F | 11437               | 6573  | 1.00 | 11035  | 6406  | 1.08 | 10630  | 6236  | 1.17 | 10210  | 6060  | 1.27 | 9383    | 5644  | 1.38 | 8674    | 5315  | 1.52 |
|              |        | 80.0°F | 11444               | 7520  | 1.00 | 11041  | 7351  | 1.08 | 10637  | 7183  | 1.17 | 10218  | 7009  | 1.27 | 9392    | 6556  | 1.38 | 8685    | 6211  | 1.52 |
|              |        | 85.4°F | 11462               | 9280  | 1.00 | 11066  | 9082  | 1.08 | 10675  | 8881  | 1.17 | 10270  | 8667  | 1.27 | 9456    | 8106  | 1.38 | 8773    | 7670  | 1.52 |
|              |        | 90.8°F | 11598               | 11598 | 1.00 | 11220  | 11220 | 1.08 | 10856  | 10856 | 1.18 | 10486  | 10486 | 1.28 | 9702    | 9702  | 1.39 | 9070    | 9070  | 1.53 |
|              | 72.4°F | 80.0°F | 12582               | 6433  | 1.02 | 12146  | 6278  | 1.10 | 11704  | 6120  | 1.19 | 11246  | 5952  | 1.30 | 10342   | 5547  | 1.40 | 9573    | 5229  | 1.55 |
|              |        | 85.4°F | 12586               | 7840  | 1.02 | 12151  | 7673  | 1.10 | 11706  | 7499  | 1.19 | 11249  | 7321  | 1.30 | 10345   | 6853  | 1.41 | 9577    | 6499  | 1.55 |
|              |        | 90.8°F | 12593               | 9156  | 1.02 | 12157  | 8982  | 1.10 | 11714  | 8804  | 1.19 | 11257  | 8622  | 1.30 | 10358   | 8094  | 1.41 | 9601    | 7689  | 1.55 |
|              |        | 96.2°F | 12634               | 10383 | 1.02 | 12216  | 10175 | 1.10 | 11792  | 9964  | 1.20 | 11363  | 9743  | 1.30 | 10479   | 9135  | 1.41 | 9743    | 8667  | 1.55 |
| 282          | 61.6°F | 69.2°F | 10790               | 7345  | 0.99 | 10401  | 7156  | 1.07 | 10006  | 6966  | 1.16 | 9598   | 6769  | 1.26 | 8807    | 6303  | 1.37 | 8124    | 5932  | 1.51 |
|              |        | 74.6°F | 10823               | 8916  | 0.99 | 10433  | 8707  | 1.07 | 10043  | 8499  | 1.16 | 9638   | 8285  | 1.26 | 8854    | 7729  | 1.37 | 8184    | 7295  | 1.51 |
|              |        | 80.0°F | 10953               | 10126 | 0.99 | 10585  | 9890  | 1.08 | 10220  | 9636  | 1.17 | 9853   | 9349  | 1.27 | 9096    | 8684  | 1.37 | 8474    | 8123  | 1.52 |
|              |        | 85.4°F | 11409               | 11409 | 1.00 | 11079  | 11079 | 1.09 | 10742  | 10742 | 1.18 | 10393  | 10393 | 1.28 | 9629    | 9629  | 1.39 | 9001    | 9001  | 1.53 |
|              | 67.0°F | 74.6°F | 11887               | 6949  | 1.01 | 11463  | 6774  | 1.09 | 11034  | 6598  | 1.18 | 10590  | 6416  | 1.28 | 9725    | 5979  | 1.39 | 8984    | 5636  | 1.53 |
|              |        | 80.0°F | 11908               | 8004  | 1.01 | 11483  | 7827  | 1.09 | 11054  | 7650  | 1.18 | 10610  | 7468  | 1.28 | 9748    | 6982  | 1.39 | 9012    | 6610  | 1.53 |
|              |        | 85.4°F | 11965               | 9874  | 1.01 | 11549  | 9660  | 1.09 | 11135  | 9444  | 1.18 | 10709  | 9213  | 1.29 | 9860    | 8614  | 1.39 | 9148    | 8138  | 1.54 |
|              |        | 90.8°F | 12164               | 12164 | 1.01 | 11794  | 11794 | 1.10 | 11418  | 11418 | 1.19 | 11039  | 11039 | 1.29 | 10225   | 10225 | 1.40 | 9560    | 9560  | 1.55 |
|              | 72.4°F | 80.0°F | 13061               | 6803  | 1.03 | 12601  | 6644  | 1.11 | 12133  | 6476  | 1.21 | 11650  | 6301  | 1.31 | 10706   | 5877  | 1.42 | 9903    | 5545  | 1.56 |
|              |        | 85.4°F | 13077               | 8349  | 1.03 | 12616  | 8176  | 1.11 | 12146  | 7993  | 1.21 | 11664  | 7807  | 1.31 | 10720   | 7312  | 1.42 | 9917    | 6939  | 1.56 |
|              |        | 90.8°F | 13101               | 9783  | 1.03 | 12645  | 9596  | 1.11 | 12181  | 9400  | 1.21 | 11702  | 9200  | 1.31 | 10765   | 8630  | 1.42 | 9978    | 8193  | 1.56 |
|              |        | 96.2°F | 13181               | 11059 | 1.03 | 12756  | 10850 | 1.12 | 12310  | 10624 | 1.21 | 11863  | 10377 | 1.31 | 10944   | 9710  | 1.42 | 10204   | 9160  | 1.57 |
| 360          | 61.6°F | 69.2°F | 11191               | 7667  | 1.00 | 10781  | 7472  | 1.08 | 10367  | 7275  | 1.17 | 9937   | 7072  | 1.27 | 9114    | 6586  | 1.38 | 8402    | 6199  | 1.52 |
|              |        | 74.6°F | 11250               | 9316  | 1.00 | 10841  | 9095  | 1.08 | 10433  | 8872  | 1.17 | 10012  | 8639  | 1.27 | 9195    | 8062  | 1.38 | 8494    | 7602  | 1.52 |
|              |        | 80.0°F | 11431               | 10676 | 1.00 | 11057  | 10400 | 1.09 | 10684  | 10109 | 1.18 | 10300  | 9797  | 1.28 | 9519    | 9075  | 1.39 | 8870    | 8473  | 1.53 |
|              |        | 85.4°F | 12003               | 12003 | 1.01 | 11652  | 11652 | 1.10 | 11293  | 11293 | 1.19 | 10922  | 10922 | 1.29 | 10113   | 10113 | 1.40 | 9445    | 9445  | 1.55 |
|              | 67.0°F | 74.6°F | 12318               | 7354  | 1.02 | 11872  | 7172  | 1.10 | 11421  | 6988  | 1.19 | 10956  | 6799  | 1.29 | 10055   | 6338  | 1.40 | 9283    | 5978  | 1.54 |
|              |        | 80.0°F | 12354               | 8508  | 1.02 | 11910  | 8314  | 1.10 | 11462  | 8119  | 1.19 | 11000  | 7920  | 1.29 | 10100   | 7407  | 1.40 | 9335    | 7008  | 1.55 |
|              |        | 85.4°F | 12456               | 10470 | 1.02 | 12015  | 10242 | 1.10 | 11585  | 10008 | 1.20 | 11141  | 9757  | 1.30 | 10258   | 9113  | 1.41 | 9522    | 8589  | 1.55 |
|              |        | 90.8°F | 12726               | 12726 | 1.02 | 12354  | 12354 | 1.11 | 11973  | 11973 | 1.20 | 11578  | 11578 | 1.31 | 10726   | 10726 | 1.42 | 10031   | 10031 | 1.57 |
|              | 72.4°F | 80.0°F | 13516               | 7194  | 1.04 | 13036  | 7036  | 1.12 | 12546  | 6859  | 1.22 | 12041  | 6679  | 1.32 | 11060   | 6233  | 1.43 | 10222   | 5885  | 1.57 |
|              |        | 85.4°F | 13544               | 8869  | 1.04 | 13062  | 8701  | 1.12 | 12571  | 8511  | 1.22 | 12066  | 8318  | 1.32 | 11086   | 7789  | 1.43 | 10253   | 7384  | 1.58 |
|              |        | 90.8°F | 13591               | 10393 | 1.04 | 13121  | 10212 | 1.12 | 12639  | 9997  | 1.22 | 12142  | 9777  | 1.32 | 11171   | 9164  | 1.43 | 10349   | 8697  | 1.58 |
|              |        | 96.2°F | 13712               | 11735 | 1.04 | 13283  | 11522 | 1.13 | 12823  | 11270 | 1.22 | 12362  | 10990 | 1.33 | 11422   | 10251 | 1.44 | 10655   | 9651  | 1.59 |

### Remark:

AFR: Air flow rate (CFM)

EWB: Entering Wet Bulb Temp. (°F)

EDB: Entering Dry Bulb Temp. (°F)

TC: Total Cooling Capacity (Btu/h)

SC: Sensible Cooling Capacity (Btu/h)

PI: Power Input (kW)

### Notes:

1. Ratings shown are net capacities.
2.  Shows nominal capacities.
3. Direct interpolation is permissible. Do not extrapolate.