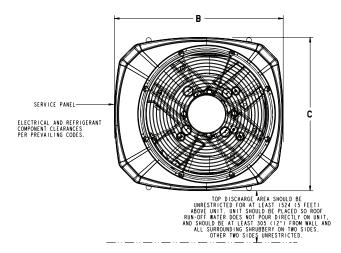
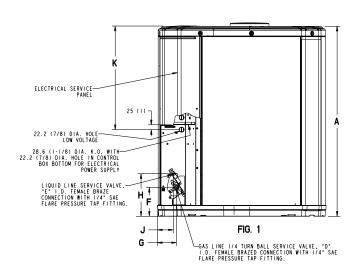


TAG: \_\_\_\_

# **SPECIFICATION**

# NOTE: All dimensions are in mm/inches.





From Dwg. D153074

# **5 Ton Split System** Cooling — 1 Phase 4TTB3060D

| Product Specifications | Prod | uct | Spo | ecifi | catio | ns |
|------------------------|------|-----|-----|-------|-------|----|
|------------------------|------|-----|-----|-------|-------|----|

| POWER CONNS. — V/PH/HZ ③         200/230/1/60           MIN. BRCH. CIR. AMPACITY         35           BR. CIR. PROT. RTG MAX. (AMPS)         60           COMPRESSOR         SCROLL           NO. USED - NO. SPEEDS         1 - 1           VOLTS/PH/HZ         200/230/1/60           R.L. AMPS ⑦ - L.R. AMPS         26.8 - 134           FACTORY INSTALLED         NO           START COMPONENTS ⑧         NO           INSULATION/SOUND BLANKET         NO           COMPRESSOR HEAT         NO           OUTDOOR FAN         PROPELLER           DIA. (IN.) - NO. USED         27-1/2" - 1           TYPE DRIVE - NO. SPEEDS         DIRECT - 1           CFM @ 0.0 IN. W.G. ④         4342           NO. MOTORS - HP         1 - 1/5           MOTOR SPEED R.P.M.         835           VOLTS/PH/HZ         200/230/1/60           F.L. AMPS         0.93           OUTDOOR COIL — TYPE         SPINE FIN™           ROWS - F.P.I.         1 - 24           FACE AREA (SQ. FT.)         24.93           TUBE SIZE (IN.)         3/8           REFRIGERANT         LBS. — R-410A (O.D. UNIT) ⑤         8 LBS., 0 OZ.           FACTORY SUPPLIED         YES           LINE | OUTDOOR UNIT 102               | 4TTB3060D1000B |
|---|--------------------------------|----------------|
| BR. CIR. PROT. RTG MAX. (AMPS)  COMPRESSOR  NO. USED - NO. SPEEDS  1 - 1  VOLTS/PH/HZ  R.L. AMPS ② - L.R. AMPS  FACTORY INSTALLED  START COMPONENTS ③  INSULATION/SOUND BLANKET  COMPRESSOR HEAT  DIA. (IN.) - NO. USED  TYPE DRIVE - NO. SPEEDS  DIRECT - 1  CFM ④ 0.0 IN. W.G. ④  NO. MOTORS - HP  MOTOR SPEED R.P.M.  VOLTS/PH/HZ  FL. AMPS  OUTDOOR COIL — TYPE  ROWS - F.P.I.  FACE AREA (SQ. FT.)  TUBS IZE (IN.)  REFRIGERANT  LBS. — R-410A (O.D. UNIT) ⑤  FACTORY SUPPLIED  LINE SIZE - IN. O.D. GAS ⑥  TOUC 200/230/1/80  SCROLL  NO. 1 - 1  200/230/1/60  8 LBS., 0 OZ.  FACTORY SUPPLIED  LINE SIZE - IN. O.D. GAS ⑥  7/8   | POWER CONNS. — V/PH/HZ ③       | 200/230/1/60   |
| COMPRESSOR         SCROLL           NO. USED - NO. SPEEDS         1 - 1           VOLTS/PH/HZ         200/230/1/60           R.L. AMPS ⑦ - L.R. AMPS         26.8 - 134           FACTORY INSTALLED         NO           START COMPONENTS ⑧         NO           INSULATION/SOUND BLANKET         NO           COMPRESSOR HEAT         NO           OUTDOOR FAN         PROPELLER           DIA. (IN.) - NO. USED         27-1/2" - 1           TYPE DRIVE - NO. SPEEDS         DIRECT - 1           CFM ⑩ 0.0 IN. W.G. ⑪         4342           NO. MOTORS - HP         1 - 1/5           MOTOR SPEED R.P.M.         835           VOLTS/PH/HZ         200/230/1/60           F.L. AMPS         0.93           OUTDOOR COIL — TYPE         SPINE FIN™           ROWS - F.P.I.         1 - 24           FACE AREA (SQ. FT.)         24.93           TUBE SIZE (IN.)         3/8           REFRIGERANT         LBS. — R-410A (O.D. UNIT) ⑩         8 LBS., 0 OZ.           FACTORY SUPPLIED         YES           LINE SIZE - IN. O.D. GAS ⑩         7/8   | MIN. BRCH. CIR. AMPACITY       | 35             |
| NO. USED - NO. SPEEDS  NO. USED - NO. SPEEDS  1 - 1  VOLTS/PH/HZ  R.L. AMPS ⑦ - L.R. AMPS  FACTORY INSTALLED  START COMPONENTS ⑧ INSULATION/SOUND BLANKET COMPRESSOR HEAT  OUTDOOR FAN  DIA. (IN.) - NO. USED  TYPE DRIVE - NO. SPEEDS  CFM ⑩ 0.0 IN. W.G. ⑪ NO. MOTORS - HP  MOTOR SPEED R.P.M.  VOLTS/PH/HZ  FL. AMPS  OUTDOOR COIL — TYPE  ROWS - F.P.I.  FACE AREA (SQ. FT.)  TUBS IZE (IN.)  REFRIGERANT  LBS. — R-410A (O.D. UNIT) ⑩ FACTORY SUPPLIED  LINE SIZE - IN. O.D. GAS ⑥  7/8  | BR. CIR. PROT. RTG MAX. (AMPS) | 60             |
| VOLTS/PH/HZ       200/230/1/60         R.L. AMPS ⑦ - L.R. AMPS       26.8 - 134         FACTORY INSTALLED       NO         START COMPONENTS ⑧       NO         INSULATION/SOUND BLANKET       NO         COMPRESSOR HEAT       NO         OUTDOOR FAN       PROPELLER         DIA. (IN.) - NO. USED       27-1/2" - 1         TYPE DRIVE - NO. SPEEDS       DIRECT - 1         CFM ⑩ 0.0 IN. W.G. ⑪       4342         NO. MOTORS - HP       1 - 1/5         MOTOR SPEED R.P.M.       835         VOLTS/PH/HZ       200/230/1/60         F.L. AMPS       0.93         OUTDOOR COIL — TYPE       SPINE FIN™         ROWS - F.P.I.       1 - 24         FACE AREA (SQ. FT.)       24.93         TUBE SIZE (IN.)       3/8         REFRIGERANT       LBS., — R-410A (O.D. UNIT) ⑩       8 LBS., 0 OZ.         FACTORY SUPPLIED       YES         LINE SIZE - IN. O.D. GAS ⑩       7/8  |                                | SCROLL         |
| R.L. AMPS ⑦ - L.R. AMPS  FACTORY INSTALLED  START COMPONENTS ⑧ NO INSULATION/SOUND BLANKET  COMPRESSOR HEAT  DIA. (IN.) - NO. USED  TYPE DRIVE - NO. SPEEDS  CFM ⑩ 0.0 IN. W.G. ④  NO. MOTORS - HP  MOTOR SPEED R.P.M.  VOLTS/PH/HZ  FACE AREA (SQ. FT.)  TUBE SIZE (IN.)  REFRIGERANT  LBS. — R-410A (O.D. UNIT) ⑤ FACTORY SUPPLIED  LINE SIZE - IN. O.D. GAS ⑥  NO  NO  NO  NO  NO  NO  PROPELLER  NO  27-1/2" - 1  NO  DIRECT - 1  CFM ② 0.2 IN. W.G. ④  4342  NO. MOTORS - HP  1 - 1/5  835  VOLTS/PH/HZ  200/230/1/60  0.93  OUTDOOR COIL — TYPE  SPINE FIN™  1 - 24  FACE AREA (SQ. FT.)  24.93  TUBE SIZE (IN.)  REFRIGERANT  LBS. — R-410A (O.D. UNIT) ⑤  FACTORY SUPPLIED  LINE SIZE - IN. O.D. GAS ⑥  7/8   |                                | 1 - 1          |
| FACTORY INSTALLED  START COMPONENTS ® INSULATION/SOUND BLANKET COMPRESSOR HEAT  DIA. (IN.) - NO. USED TYPE DRIVE - NO. SPEEDS  CFM @ 0.0 IN. W.G. ④  NO. MOTORS - HP MOTOR SPEED R.P.M.  VOLTS/PH/HZ EL. AMPS  OUTDOOR COIL — TYPE FACE AREA (SQ. FT.) TUBE SIZE (IN.)  REFRIGERANT LBS. — R-410A (O.D. UNIT) ⑤ FACTORY SUPPLIED LINE SIZE - IN. O.D. GAS ⑥  NO OUTDOOR COIL — TYPE SPINE FINTM RESIZE - IN. O.D. GAS ⑥  TOO  NO OUTDOOR COIL — TYPE SPINE FINTM RESIZE - IN. O.D. GAS ⑥  T/8   |                                | 200/230/1/60   |
| START COMPONENTS ®         NO           INSULATION/SOUND BLANKET         NO           COMPRESSOR HEAT         NO           OUTDOOR FAN         PROPELLER           DIA. (IN.) - NO. USED         27-1/2" - 1           TYPE DRIVE - NO. SPEEDS         DIRECT - 1           CFM @ 0.0 IN. W.G. ⁴         4342           NO. MOTORS - HP         1 - 1/5           MOTOR SPEED R.P.M.         835           VOLTS/PH/HZ         200/230/1/60           FL. AMPS         0.93           OUTDOOR COIL — TYPE         SPINE FIN™           ROWS - F.P.I.         1 - 24           FACE AREA (SQ. FT.)         24.93           TUBE SIZE (IN.)         3/8           REFRIGERANT         LBS. — R-410A (O.D. UNIT) ⑤         8 LBS., 0 OZ.           FACTORY SUPPLIED         YES           LINE SIZE - IN. O.D. GAS ⑥         7/8   |                                | 26.8 - 134     |
| INSULATION/SOUND BLANKET COMPRESSOR HEAT  NO  OUTDOOR FAN DIA. (IN.) - NO. USED TYPE DRIVE - NO. SPEEDS CFM @ 0.0 IN. W.G. ④ NO. MOTORS - HP NOTOR SPEED R.P.M. S35 VOLTS/PH/HZ EL. AMPS OUTDOOR COIL — TYPE ROWS - F.P.I. TYPE ROWS - F.P.I. THE SIZE (IN.) REFRIGERANT LBS. — R-410A (O.D. UNIT) ⑤ FACTORY SUPPLIED LINE SIZE - IN. O.D. GAS ⑥ TOMOTORS - NO NO PROPELLER NO PROPELLER 10 10 10 11 11 11 11 11 11 11 11 11 11   |                                |                |
| COMPRESSOR HEAT         NO           OUTDOOR FAN         PROPELLER           DIA. (IN.) - NO. USED         27-1/2" - 1           TYPE DRIVE - NO. SPEEDS         DIRECT - 1           CFM @ 0.0 IN. W.G. ⁴         4342           NO. MOTORS - HP         1 - 1/5           MOTOR SPEED R.P.M.         835           VOLTS/PH/HZ         200/230/1/60           F.L. AMPS         0.93           OUTDOOR COIL — TYPE         SPINE FIN™           ROWS - F.P.I.         1 - 24           FACE AREA (SQ. FT.)         24.93           TUBE SIZE (IN.)         3/8           REFRIGERANT         LBS. — R-410A (O.D. UNIT) ⑤         8 LBS., 0 OZ.           FACTORY SUPPLIED         YES           LINE SIZE - IN. O.D. GAS ⑥         7/8  |                                | _              |
| OUTDOOR FAN         PROPELLER           DIA. (IN.) - NO. USED         27-1/2" - 1           TYPE DRIVE - NO. SPEEDS         DIRECT - 1           CFM @ 0.0 IN. W.G. ④         4342           NO. MOTORS - HP         1 - 1/5           MOTOR SPEED R.P.M.         835           VOLTS/PH/HZ         200/230/1/60           F.L. AMPS         0.93           OUTDOOR COIL — TYPE         SPINE FIN™           ROWS - F.P.I.         1 - 24           FACE AREA (SQ. FT.)         24.93           TUBE SIZE (IN.)         3/8           REFRIGERANT           LBS. — R-410A (O.D. UNIT) ⑤         8 LBS., 0 OZ.           FACTORY SUPPLIED         YES           LINE SIZE - IN. O.D. GAS ⑥         7/8   |                                |                |
| DIA. (IN.) - NO. USED  TYPE DRIVE - NO. SPEEDS  CFM @ 0.0 IN. W.G. ④  NO. MOTORS - HP  MOTOR SPEED R.P.M.  S35  VOLTS/PH/HZ  EL. AMPS  OUTDOOR COIL — TYPE  ROWS - F.P.I.  FACE AREA (SQ. FT.)  TUBE SIZE (IN.)  REFRIGERANT  LBS. — R-410A (O.D. UNIT) ⑤  FACTORY SUPPLIED  LINE SIZE - IN. O.D. GAS ⑥  TIRECT - 1  27-1/2" - 1  27-1/2" - 1  27-1/2" - 1  2432  200/230/1/60  593  SPINE FIN™  1 - 24  54.93  3/8  REFRIGERANT  LBS. — R-410A (O.D. UNIT) ⑥  FACTORY SUPPLIED  LINE SIZE - IN. O.D. GAS ⑥  7/8  |                                | NO             |
| TYPÈ DRIVE - NO. SPEEDS  CFM @ 0.0 IN. W.G. ④  NO. MOTORS - HP  MOTOR SPEED R.P.M.  835  VOLTS/PH/HZ  EL. AMPS  OUTDOOR COIL — TYPE  ROWS - F.P.I.  FACE AREA (SQ. FT.)  TUBE SIZE (IN.)  REFRIGERANT  LBS. — R-410A (O.D. UNIT) ⑤  FACTORY SUPPLIED  LINE SIZE - IN. O.D. GAS ⑥  DIRECT - 1  4342  NO. MECT - 1  507  1 - 1/5  MRECT - 1  507  1 - 24  524.93  7/8   |                                | _              |
| CFM @ 0.0 IN. W.G. ④  NO. MOTORS - HP  MOTOR SPEED R.P.M.  VOLTS/PH/HZ  EL. AMPS  OUTDOOR COIL — TYPE  ROWS - F.P.I.  FACE AREA (SQ. FT.)  TUBE SIZE (IN.)  REFRIGERANT  LBS. — R-410A (O.D. UNIT) ⑤  FACTORY SUPPLIED  LINE SIZE - IN. O.D. GAS ⑥  7/8   |                                |                |
| NO. MOTORS - HP  MOTOR SPEED R.P.M.  835  VOLTS/PH/HZ  200/230/1/60  F.L. AMPS  0.93  OUTDOOR COIL — TYPE  ROWS - F.P.I.  FACE AREA (SQ. FT.)  TUBE SIZE (IN.)  REFRIGERANT  LBS. — R-410A (O.D. UNIT) ⑤  FACTORY SUPPLIED  LINE SIZE - IN. O.D. GAS ⑥  7/8   | = = =                          |                |
| MOTOR SPEED R.P.M.       835         VOLTS/PH/HZ       200/230/1/60         F.L. AMPS       0.93         OUTDOOR COIL — TYPE         ROWS - F.P.I.       1 - 24         FACE AREA (SQ. FT.)       24.93         TUBE SIZE (IN.)       3/8         REFRIGERANT         LBS. — R-410A (O.D. UNIT) <sup>⑤</sup> 8 LBS., 0 OZ.         FACTORY SUPPLIED       YES         LINE SIZE - IN. O.D. GAS <sup>⑥</sup> 7/8   |                                |                |
| VOLTS/PH/HZ       200/230/1/60         F.L. AMPS       0.93         OUTDOOR COIL — TYPE       SPINE FIN™         ROWS - F.P.I.       1 - 24         FACE AREA (SQ. FT.)       24.93         TUBE SIZE (IN.)       3/8         REFRIGERANT         LBS. — R-410A (O.D. UNIT) ⑤       8 LBS., 0 OZ.         FACTORY SUPPLIED       YES         LINE SIZE - IN. O.D. GAS ⑥       7/8   |                                | , -            |
| F.L. AMPS       0.93         OUTDOOR COIL — TYPE       SPINE FIN™         ROWS - F.P.I.       1 - 24         FACE AREA (SQ. FT.)       24.93         TUBE SIZE (IN.)       3/8         REFRIGERANT         LBS. — R-410A (O.D. UNIT) ⑤       8 LBS., 0 OZ.         FACTORY SUPPLIED       YES         LINE SIZE - IN. O.D. GAS ⑥       7/8  |                                |                |
| OUTDOOR COIL         — TYPE         SPINE FIN™           ROWS - F.P.I.         1 - 24           FACE AREA (SQ. FT.)         24.93           TUBE SIZE (IN.)         3/8           REFRIGERANT           LBS. — R-410A (O.D. UNIT) ⑤         8 LBS., 0 OZ.           FACTORY SUPPLIED         YES           LINE SIZE - IN. O.D. GAS ⑥         7/8   |                                |                |
| ROWS - F.P.I. 1 - 24 FACE AREA (SQ. FT.) 24.93 TUBE SIZE (IN.) 3/8  REFRIGERANT LBS. — R-410A (O.D. UNIT) ⑤ 8 LBS., 0 OZ. FACTORY SUPPLIED YES LINE SIZE - IN. O.D. GAS ⑥ 7/8   |                                |                |
| FACE AREA (SQ. FT.)  TUBE SIZE (IN.)  REFRIGERANT  LBS. — R-410A (O.D. UNIT)  FACTORY SUPPLIED  LINE SIZE - IN. O.D. GAS  7/8   |                                |                |
| TUBE SIZE (IN.)       3/8         REFRIGERANT       3/8         LBS. — R-410A (O.D. UNIT) (IS)       8 LBS., 0 OZ.         FACTORY SUPPLIED       YES         LINE SIZE - IN. O.D. GAS (IS)       7/8   |                                | : =:           |
| REFRIGERANT           LBS. — R-410A (O.D. UNIT) ⑤         8 LBS., 0 OZ.           FACTORY SUPPLIED         YES           LINE SIZE - IN. O.D. GAS ⑥         7/8   |                                |                |
| LBS. — R-410A (O.D. UNIT) ⑤       8 LBS., 0 OZ.         FACTORY SUPPLIED       YES         LINE SIZE - IN. O.D. GAS ⑥       7/8   |                                | 3/6            |
| FACTORY SUPPLIED YES<br>LINE SIZE - IN. O.D. GAS © 7/8  |                                | 0180 007       |
| LINE SIZE - IN. O.D. GAS <sup>(6)</sup> 7/8   |                                |                |
|   |                                |                |
|   |                                | -, -           |
| CHARGING SPECIFICATION  |                                | 3/6            |
| SUBCOOLING 10°F   |                                | 10°F           |
| DIMENSIONS H X W X D  |                                |                |
| CRATED (IN.) 42.4 x 35.1 x 38.7   |                                |                |
| WEIGHT  |                                |                |
| SHIPPING (LBS.) 261   |                                | 261            |
| NET (LBS.) 226  |                                |                |

- ① Certified in accordance with the Air-Source Unitary Air-conditioner Equipment certification program, which Certined in accordance with the Air-Source unitary Air-conditioner Equipment certification is based on AIRI standard 210/240.

  Rated in accordance with AHRI standard 270.

  Calculated in accordance with Natt. Elec. Codes. Use only HACR circuit breakers or fuses. Standard Air — Dry Coil — Outdoor This value approximate. For more precise value see unit nameplate.

  Max. linear length 60 ft.; Max. lift — Suction 60 ft.; Max lift — Liquid 60 ft.

- For greater length consult refrigerant piping software Pub. No. 32-3312-0\* (\* denotes latest revision).
- This value shown for compressor RLA on the unit nameplate and on this specification sheet is used to compute minimum branch circuit ampacity and max. fuse size. The value shown is the branch circuit selection.
- tion current.

  No means no start components. Yes means quick start kit components. PTC means positive temperature coefficient starter

| MODELS    | BASE | FIG. | Α            | В            | С            | D   | Е   | F       | G          | Н           | J          | K        |
|-----------|------|------|--------------|--------------|--------------|-----|-----|---------|------------|-------------|------------|----------|
| 4TTB3060D | 4    | 1    | 943 (37-1/8) | 946 (37-1/4) | 870 (34-1/4) | 7/8 | 3/8 | 152 (6) | 98 (3-7/8) | 219 (8-5/8) | 86 (3-3/8) | 508 (20) |

| A-WEIGHTED SOUND POWER LOVEL [dB(A)] |                              |      |  |      |      |      |      |      |      |  |
|--------------------------------------|------------------------------|------|--|------|------|------|------|------|------|--|
| MODELS                               | SOUND POWER<br>LEVEL [dB(A)] |      | A-WEIGHTED FULL OCTOAVE SOUND POWER LEVEL Db - [dB(A)] |      |      |      |      |      |      |  |
|                                      |                              | 63   | 125  | 250  | 500  | 1000 | 2000 | 4000 | 8000 |  |
| 4TTB3060D                            | 80                           | 47.3 | 55.7   | 69.0 | 72.7 | 75.8 | 69.4 | 62.2 | 53.3 |  |

Note: Rated in accordance with AHRI Standard 270-2008

# **Mechanical Specification Options**

#### General

The 4TTB3 model is fully charged from the factory for up to 15 feet of piping. This unit is designed to operate at outdoor ambient temperatures as high as 115°F. Cooling capacities are matched with a wide selection of air handlers and furnace coils that are AHRI certified. The unit is certified to UL 1995. Exterior is designed for outdoor application.

# Casing

Unit casing is constructed of heavy gauge, G90 galvanized steel and painted with a weather-resistant powder paint on all louvers, panels, prepaint on all other panels. Corrosion and weather-proof CMBP-G30 DuraTuff™ base.

# **Refrigerant Controls**

Refrigeration system controls include condenser fan, compressor contactor and high pressure switch. High and low pressure controls are inherent to the compressor. A factory installed liquid line drier is standard.

#### Compressor

The compressor features internal over temperature and pressure protection and total dipped hermetic motor. Other features include: centrifugal oil pump and low vibration and noise.

### **Condenser Coil**

The outdoor coil provides low airflow resistance and efficient heat transfer. The coil is protected on all four sides by louvered panels.

# **Low Ambient Cooling**

As manufactured, this unit has a cooling capability to 55°F. The addition of an evaporator defrost control permits operation to 40° F. The addition of an evaporator defrost control with TXV permits low ambient cooling to 30° F.

## Accessories

**Thermostats** — Cooling only and heat/cooling (manual and automatic change-over). Sub-base to match thermostat and locking thermostat cover.

**Evaporator Defrost Control** — See Low Ambient Cooling.







09/12