

Main features :

TWE indoor unit :

- Convertible cabinet, vertical or horizontal.
- Adjustable speed pulley-belt drive centrifugal fan motor.
- Aluminium fin coil with copper-tubes.
- Galvanised steel panels.
- Removable condensate drain pan.
- Throwaway filters as standard.
- Thermal protection of the fan motor winding.
- Expansion valve factory installed.
- Check valves for heat pump applications
- Expansion valve

TTA/TWA outdoor units :

- 1 cooling circuit (size 075 to 120).
- 2 cooling circuits (sizes 150 to 240).
- Scroll compressor(s).
- Internal thermal protection of the fan and compressor motor windings.
- Crankcase heater.
- Liquid line filter drier.
- Direct drive axial fan motor.
- Anti-recycle timer (compressor).
- Stop valves (gas and liquid) with brazed connections.
- Aluminium fin coil and copper tubes.

Accessories :

TWE indoor unit :

- Supplemental heaters: electric, hot water and steam.
- Low static drive kit.
- Oversized drive kit.

TTA/TWA outdoor units :

- Low ambient speed controller (TTA only).
- Black epoxy fins.

Control :

- 24 V electro-mechanical control.
- Digital display electronic wall thermostats.
- TAYSTAT 570, non programmable.
- BAYSTAT 038 programmable
- Remote sensor.

Maximum line lengths and diameters :

- See page 36.

Split System

TTA/TWA
075 -120



TWE



THERMOSTAT

TTA/TWA
150 - 240



Operating limits :

| TWE + TTA/TWA | Cooling mode | Heating mode |
|------------------------------|---|--------------|
| Min. outdoor air temperature | + 15°C standard - 15°C with speed controller | - 15°C |
| Max. outdoor air temperature | + 45°C | + 20°C |



TWA General Data — Heat Pumps - 60 Hz

| | 7½ Ton Single Compressor TWA090A3, A4, AW | 10 Ton Single Compressor TWA120A3, A4, AW | 15 Ton Dual Compressor TWA180B3, B4, BW | 20 Ton Dual Compressor TWA240B3, B4, BW |
|--|---|---|---|---|
| Cooling Performance¹ | | | | |
| Gross Cooling Capacity | | | | |
| Matched Air Handler (MBH) | 91 | 124 | 182 | 240 |
| Heat Pump Only ² (MBH) | 91 | 124 | 182 | 240 |
| ARI Net Cooling Capacity (MBH) | 89 | 120 | 176 | 234 |
| EER ⁴ | | | | |
| Matched Air Handler (MBH) | 10.1 | 10.1 | 10.1 | 9.3 |
| Heat Pump Only ² (MBH) | 11.5 | 11.1 | 11.7 | 10.3 |
| System/Condensing Unit Poer (kW) | 8.70/7.95 | 11.91/11.07 | 17.29/15.59 | 24.99/23.20 |
| Heating Performance | | | | |
| ARI Heating with Matched Air Handler | | | | |
| High Temperature Capacity (MBH) | 87 | 122 | 168 | 234 |
| System kW/COP | 7.68/3.3 | 10.82/3.2 | 16.10/3.1 | 22.42/3.1 |
| Low Temperature Capacity (MBH) | 55 | 80 | 106 | 154 |
| System kW/COP | 6.73/2.4 | 9.62/2.4 | 14.16/2.2 | 19.54/2.3 |
| Compressor | | | | |
| No./Type | 1/Trane 3-D® Scroll | 1/Trane 3-D® Scroll | 2/Trane 3-D® Scroll | 2/Trane 3-D® Scroll |
| Sound Rating (BELS)⁵ | | | | |
| | 8.8 | 8.8 | 8.8 | 8.8 |
| System Data⁶ | | | | |
| No. Refrigerant Circuits | 1 | 1 | 1 | 1 |
| Suction Line (in.) OD | 1⅜ | 1⅜ | 1⅜ | 1⅜ |
| Liquid Line (in.) OD | ½ | ½ | ½ | ½ |
| Outdoor Fan Type | | | | |
| No. Used/Diameter (in) | Propeller 1/26 | Propeller 1/28 | Propeller 2/26 | Propeller 2/28 |
| Drive Type/No. Speeds | Direct/1 | Direct/1 | Direct/1 | Direct/1 |
| CFM | 5890 | 8200 | 11,780 | 16,240 |
| No. Motors/HP | 1/50 | 1/1.00 | 2/50 | 2/1.00 |
| R-22 Refrigerant Charge (Field Supplied) (Lbs. of R-22) ⁷ | | | | |
| | 18.00 | 31.5 | 36.00 | 48.50 |

Notes: (1) Cooling Performance is rated at 95° F ambient, 80° F entering dry bulb, 67° F entering wet bulb. Gross capacity does not include the effect of fan motor heat. ARI capacity is net and includes the effect of fan motor heat. Certified in accordance with the Unitary Large Equipment certification program, which is based on ARI Standard 340/360-00. (2) Condensing Unit Only Gross Cooling Capacity rated at 45° F saturated suction temperature and at 95° F ambient. (3) ARI Net Cooling Capacity is calculated with matched blower coil and 25 ft. of 1⅜", ½" OD interconnecting tubing. (4) EER is rated at ARI conditions and in accordance with DOE test procedures. (5) Sound Rating shown is tested in accordance with ARI Standard 270 or 370. (6) Refer to refrigerant piping applications manual for line sizing and line length. (7) Refrigerant (operating) charge is for condensing unit (all circuits) with matching blower coils and 25 ft. of interconnecting refrigerant lines. All units are supplied with a small nitrogen holding charge only.

TWA General Data — Heat Pumps - 50 Hz

| | TWA075A | TWA100A | TWA155B | TWA200B |
|---|----------------|----------------|---------------------------|--------------------------|
| Cooling Performance¹ | | | | |
| Gross Cooling Capacity | | | | |
| Matched Air Handler, MBH (kW) | 82 (23.97) | 109 (31.97) | 166 (48.57) | 216 (63.24) |
| Heat Pump Only ² , MBH (kW) | 82 (23.97) | 105 (30.75) | 161 (47.04) | 209 (61.18) |
| ARI Net Cooling Capacity ³ | 80 (23.35) | 105 (30.75) | 160 (46.74) | 196 (61.18) |
| System Power kW | 7.36 | 10.32 | 14.98 | 20.61 |
| Heat Pump Only Power kW | 6.61 | 9.22 | 13.20 | 18.52 |
| Heating Performance | | | | |
| ARI Heating with Matched Air Handler | | | | |
| High Temperature Capacity, MBH (kW) | 75 (21.82) | 106 (31.05) | 151 (44.27) | 206 (60.26) |
| Low Temperature Capacity, MBH (kW) | 47 (13.84) | 69 (20.29) | 95 (27.67) | 135 (39.66) |
| Compressor | | | | |
| Number | 1 | 1 | 2 | 2 |
| Type | 3D® Scroll | 3D® Scroll | 3D® Scroll | 3D® Scroll |
| ARI Sound Rating (BELS)⁴ | | | | |
| | 8.8 | 8.8 | 8.8 | 8.8 |
| System Data⁵ | | | | |
| No. Refrigerant Circuits | 1 | 1 | 2 | 2 |
| Suction Line, in. (mm) OD | 1.375 (34.9) | 1.375 (34.9) | 1.375 (34.9) | 1.375 (34.9) |
| Liquid Line, in. (mm) OD | 0.500 (12.7) | 0.500 (12.7) | 0.500 (12.7) | 0.500 (12.7) |
| Outdoor Fan Type | | | | |
| No. Used | Propeller 1 | Propeller 1 | Propeller/Propeller 2 | Propeller/Propeller 2 |
| Diameter, in. (mm) | 26.00 (660.4) | 28.00 (711) | 26.00/26.00 (660.4/660.4) | 28.00/28.00 (711/711) |
| Drive Type | Direct | Direct | Direct/Direct | Direct/Direct |
| No. Speeds | 1 | 1 | 1 | 1 |
| CFM ⁶ , (m ³ /h) | 4700 (7985) | 6700 (11382) | 9800 (16649) | 13400 (22764) |
| No. Motors | 1 | 1 | 2 | 2 |
| Motor HP (kW) | 0.33 (.24) | 0.75 (.56) | 0.33 (.24) | 0.75 (.56) |
| R-22 Refrigerant Charge, lb⁷ (kg) | | | | |
| | 18.0 (8.16) | 24.25 (11.0) | 36.0 (16.32) | 48.5 (22.0) |

Notes: (1) Cooling Performance is rated at 95°F (35°C) ambient, 80°F (26.7°C) entering dry bulb, 67°F (19.4°C) entering wet bulb and nominal cfm listed. ARI rating cfm is 350 cfm/ton for this product. Gross capacity does not include the effect of fan motor heat. ARI capacity is net and includes the effect of fan motor heat. Units are suitable for operation to ±20% of nominal cfm. Rated accordance with ARI Standard 210. (2) Condensing Unit Only Gross Cooling Capacity rated at 45°F (7.6°C) saturated suction temperature and at 95°F (35°C) ambient. (3) ARI Net Cooling Capacity is calculated with matched blower coil and 25 ft (7.6 m) of 1.375, 0.500 OD interconnecting tubing. EER and/or SEER are rated at ARI conditions and in accordance with DOE test procedures. Integrated Part Load Value is based on ARI Standard 210/240/340. Units are rated at 80°F (26.7°C) ambient, 80°F (26.7°C) entering dry bulb, and 67°F (19.4°C) entering wet bulb at ARI rated cfm. (4) ARI Sound Rating is rated in accordance with ARI Standard 270. (5) System Data based on maximum linear length 80 ft (26.7 m)Maximum lift: suction 60 ft (18.3 m) liquid 60 ft (18.3 m) For greater lengths, refer to refrigerant piping applications manual. (6) Outdoor Fan cfm is rated with standard air-dry coil outdoor. (7) Refrigerant (operating) charge is for condensing unit (all circuits) with matching blower coils and 25 ft (7.6 m) of interconnecting refrigerant lines.

LIGHT COMMERCIAL RANGE



| 60 Hz Condensing Units | 7½ Ton | 10 Ton | 10 Ton | 10 Ton | 12½ Ton | 15Ton | 15Ton | 20 Ton |
|--|-------------------|-------------------|-------------------|----------------------|-------------------|-------------------|----------------------|-------------------|
| Compressors: | Single | Single | Dual | Manifolded | Dual | Dual | Manifolded | Dual |
| Model: TTA | 090A3, A4 | 120A3, A4 | 120B3, B4 | 120C3, C4 | 150B3, B4 | 180B3, B4 | 180C3, C4 | 240B3, B4 |
| Cooling Performance¹ | | | | | | | | |
| Gross Cooling Capacity (MBH) | | | | | | | | |
| Matched Air Handler | 92 | 128 | 126 | 126 | 148 | 182 | 182 | 246 |
| Condensing Unit Only ² | 92 | 128 | 126 | 126 | 148 | 182 | 182 | 246 |
| ARI Net Cooling Capacity ³ | 89 | 124 | 122 | 122 | 144 | 176 | 176 | 238 |
| EER ⁴ | | | | | | | | |
| Matched Air Handler | 10.3 | 10.3 | 10.3 | 10.3 | 9.8 | 9.7 | 9.7 | 9.7 |
| System KW/Condensing Unit kW | 8.61/7.90 | 12.11/11.25 | 11.89/10.94 | 11.9/11.1 | 14.70/13.43 | 18.18/16.43 | 18.16/16.35 | 24.61/22.17 |
| Compressor | | | | | | | | |
| No./Make | 1/3-D® | 1/3-D® | 2/Climatuff® | 2/Copeland | 2/Climatuff® | 2/3-D® | 2/3-D® | 2/3-D® |
| Type | Scroll | Scroll | Scroll | Manifolded Scroll | Scroll | Scroll | Manifolded Scroll | Scroll |
| No. Motors/HP | 1/7.50 | 1/10.00 | 2/5.00 | 2/5.00 | 2/6.25 | 2/7.50 | 2/7.50 | 2/10.00 |
| Sound Rating (BELS) ⁶ | 8.8 | 8.8 | 8.8 | 8.8 | 8.8 | 8.8 | 8.8 | 8.8 |
| System Data⁷ | | | | | | | | |
| No. Refrigerant Circuits | 1 | 1 | 2 | 1 | 2 | 2 | 1 | 2 |
| Suction Line (in.) OD | 1 3/8 | 1 3/8 | 1 1/8 | 1 3/8 | 1 1/8 | 1 3/8 | 1 5/8 | 1 3/8 |
| Liquid Line (in.) OD | ½ | ½ | 3/8 | ½ | 3/8 | ½ | 5/8 | ½ |
| Outdoor Fan - Type | | | | | | | | |
| No. Used/Diameter (in.) | Propeller 1/26 | Propeller 1/28 | Propeller 1/28 | Propeller 1/28 | Propeller 2/28 | Propeller 2/26 | Propeller 2/26 | Propeller 2/28 |
| Cfm | 5,670 | 8,120 | 8,120 | 8,120 | 8,120 | 10,900 | 11,340 | 16,120 |
| No. Motors/HP | 1/5.0 | 1/1.00 | 1/1.00 | 1/1.00 | 1/1.00 | 2/5.0 | 2/5.0 | 2/1.00 |
| Refrigerant Charge (Field Supplied) | | | | | | | | |
| (Lbs of R-22) ⁸ | 16.0 | 19.0 | 21.0 | 20.5 | 23.6 | 30.0 | 28.0 | 40.0 |

| 50 Hz Condensing Units | TTA075A | TTA085A | TTA100A | TTA100B | TTA100C | TTA125B | TTA155B | TTA155C | TTA200B |
|---|------------------|------------------|------------------|-----------------|------------------|------------------|------------------|-------------------|--------------------|
| Cooling Performance¹ | | | | | | | | | |
| Gross Cooling Capacity | | | | | | | | | |
| Matched Air Handler (MBH) | 82 | 91 | 111 | 102 | 108 | 127 | 166 | 160 | 216 |
| Condensing Unit Only 2 (MBH) | 80 | 91 | 107 | 102 | 108 | 127 | 163 | 155 | 209 |
| ARI Net Cooling Capacity 3 (MBH) | 79 | 87 | 107 | 100 | 106 | 123 | 161 | 153 | 209 |
| System Power kW | 7.92 | 8.7 | 10.66 | 11.3 | 9.61 | 13.1 | 16.01 | 15.4 | 21.40 |
| Condensing Unit Power kW | 7.32 | 7.8 | 9.76 | 10.3 | 9.01 | 12.1 | 14.58 | 14.6 | 19.39 |
| Compressor | | | | | | | | | |
| Number | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 |
| Type | 3-D® Scroll | 3-D® Scroll | 3-D® Scroll | Climatuff™ | Scroll Tandem | Climatuff™ | 3-D® Scroll | 3-D® Scroll | Tandem 3-D® Scroll |
| No. Speeds (each) | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| No. Motors (each) | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Motor HP/kW | 6.25/4.7 | 6.91/5.16 | 8.33/6.21 | 4.15/3.1 | 4.16/3.10 | 5.20/3.9 | 6.25/4.7 | 6.25/4.7 | 8.33/6.21 |
| ARI Sound Rating (Bels) ⁴ | 8.8 | 8.8 | 8.8 | 9.0 | 8.8 | 8.8 | 8.8 | 8.8 | 8.8 |
| System Data⁵ | | | | | | | | | |
| No. Refrigerant Circuits | 1 | 1 | 1 | 2 | 1 | 2 | 2 | 1 | 2 |
| Suction Line in./mm OD | 1.375/34.9 | 1.375/34.9 | 1.375/34.9 | 1.120/28.5 | 1.375/34.9 | 1.375/34.9 | 1.375/34.9 | 1.625/41.3 | 1.375/34.9 |
| Liquid Line in./mm OD | 0.500/12.7 | 0.500/12.7 | 0.500/12.7 | 0.375/9.5 | 0.500/12.7 | 0.500/12.7 | 0.500/12.7 | 0.625/15.9 | 0.500/12.7 |
| Outdoor Fan Type | | | | | | | | | |
| No. Used | Propeller 1 | Propeller 1 | Propeller 1 | Propeller 1 | Propeller 1 | Propeller 1 | Propeller 2 | Propeller 2 | Propeller 2 |
| Diameter in./mm | 26.00/660.4 | 28.00/711.2 | 28.00/711.2 | 28.00/711.2 | 28.00/711.2 | 28.00/711.2 | 26.00/660.4 | 26.00/660.4 | 28.00/711.2 |
| Drive Type | Direct | Direct | Direct | Direct | Direct | Direct | Direct | Direct | Direct |
| CFM ⁶ /m ³ /h | 4700/7985 | 6500/11042 | 6500/11042 | 6500/11042 | 6500/11042 | 6760/11484 | 9400/15969 | 9400/15969 | 13400/22764 |
| No. Motors | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 |
| Motor HP/kW | 0.33/24 | 0.75/56 | 0.75/56 | 0.75/55 | 0.75/56 | 0.75/55 | 0.33/24 | 0.33/24 | 0.75/56 |
| R-22 Refrigerant Charge, lb⁷/kg | 13.0/5.90 | 16.0/7.26 | 16.0/7.26 | 18.8/8.5 | 15.5/7.03 | 25.2/11.4 | 26.0/11.8 | 27.0/12.34 | 36.0/16.33 |

NOTES:

- Cooling Performance is rated at 95° F ambient, 80° F entering dry bulb, 67° F entering wet bulb. Gross capacity does not include the effect of fan motor heat. ARI capacity is net and includes the effect of fan motor heat. Certified in accordance with the Unitary Large Equipment certification program, which is based on ARI Standard 340/360 or 365-00.
- Condensing Unit Only Gross Cooling Capacity rated at 45° F saturated suction temperature and at 95° F ambient.
- ARI Net Cooling Capacity is calculated with matched blower coil and 25 ft. of 1 3/8", 1 1/2" OD interconnecting tubing.
- EER is rated at ARI conditions and in accordance with DOE test procedures.
- Integrated Part Load Value is based On ARI Standard 340/360 or 365-00. Units are rated at 80° F ambient, 80° F entering dry bulb, and 67° F entering wet bulb at ARI rated cfm.
- Sound Rating shown is tested in accordance with ARI Standard 270.
- Refer to refrigerant piping applications manual for line sizing and line length.
- Refrigerant (operating) charge is for condensing unit (all circuits) with matching blower coils and 25 ft. of interconnecting refrigerant lines. All units are shipped with a small nitrogen holding charge only.



General Data — Air Handlers

| | 5 Ton | | | 7½ Ton | | | 10 Ton | | |
|---------------------------------|--------------------|--------------------|------------------|----------------|------------------|-----------|----------------|-----------|------------|
| | Single Circuit | Dual Circuit | | Single Circuit | Dual Circuit | | Single Circuit | | |
| Model: TWE | 050A | 060A1, A3 A4, A | 060B1, B3, B4 | 075A | 090A1, A3¹, A | 090B1,B3¹ | 100A | 120A1 | 120A3¹ |
| System Data | | | | | | | | | |
| No. Refrigerant Circuits | 1 | 1 | 2 | 1 | 1 | 2 | 1 | 1 | 1 |
| Suction Line (in.) OD | 1 1/8 | 1 1/8 | 3/4 | 1 3/8 | 1 3/8 | 1 1/8 | 1 3/8 | 1 3/8 | 1 3/8 |
| Liquid Line (in.) OD | 3/8 | 3/8 | 5/16 | 1/2 | 1/2 | 3/8 | 1/2 | 1/2 | 1/2 |
| Indoor Coil - Type | Plate Fin | | | | | | | | |
| Tube Size (in.) | .375 | .375 | .375 | .375 | .375 | .375 | .375 | .375 | .375 |
| Face Area (sq. ft.) | 5.0 | 5.0 | 5.0 | 8.1 | 8.1 | 8.1 | 11.2 | 11.2 | 11.2 |
| Rows/FPI | 3/12 | 3/12 | 3/12 | 3/12 | 3/12 | 3/12 | 4/12 | 4/12 | 4/12 |
| Refrigerant Control | Expansion Valve | | | | | | | | |
| Drain Connection Size (in.) | 1 PVC | 1 PVC | 1 PVC | 1 PVC | 1 PVC | 1 PVC | 1 PVC | 1 PVC | 1 PVC |
| Indoor Fan - Type | Centrifugal | | | | | | | | |
| No. Used/Diameter x Width (in.) | 1/12x12 | 1/12x12 | 1/12x12 | 1/15x15 | 1/15x15 | 1/15x15 | 1/15x15 | 1/15x15 | 1/15x15 |
| Drive Type/ No. Speeds | Belt/Adjustable | | | | | | | | |
| CFM | 1670 | 2000 | 2000 | 2500 | 3000 | 3000 | 325 | 4000 | 4000 |
| No. Motors | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Motor HP - Standard/Oversized | .75/1.00 | .75/1.00 | .75/1.00 | 1.00/1.50 | 1.50/2.00 | 1.50/2.00 | 1.50/2.00 | 2.00/3.00 | 2.00/3.00³ |
| Filters - | | | | | | | | | |
| Type/Furnished | Throwaway/Yes | | | | | | | | |
| Number | 1 | 1 | 1 | 3 | 3 | 3 | 4 | 4 | 4 |
| Size Recommended | 16x20x1 20x20x1 | 16x20x1 20x20x1 | 16x20x1 | 16x25x1 | 16x25x1 | 16x25x1 | 16x25x1 | 16x25x1 | 16x25x1 |

ARI tested and certified with various heat pumps in accordance with ARI Standard 210/240 or 340/360 or 365-00 certification program. Refer to Performance Data section in this catalog.

NOTES:

1. Ships wired for 208-230/3/60. Field convertible to 460/3/60.
2. TWE060A1 has Motor RPM of 3450 for oversized motor.
3. TWE120A1 does not have an oversized motor option.

General Data — Air Handlers (Continued)

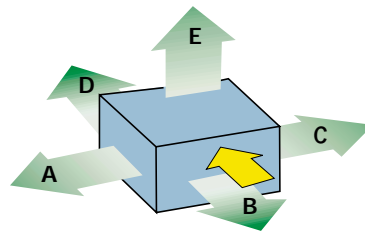
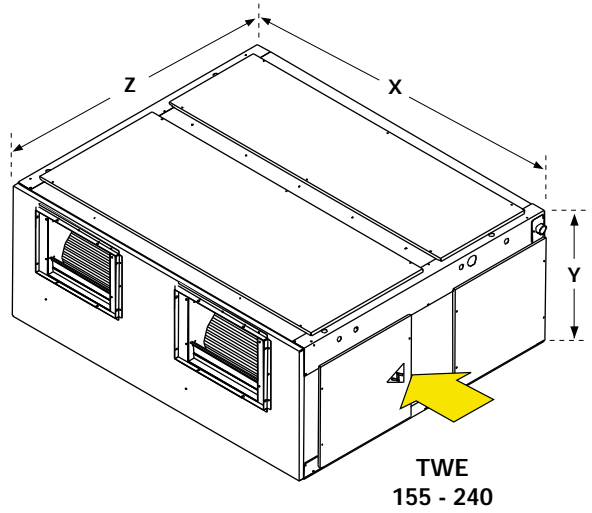
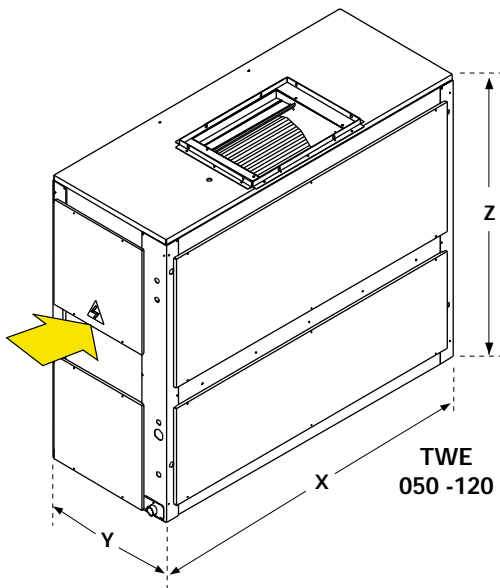
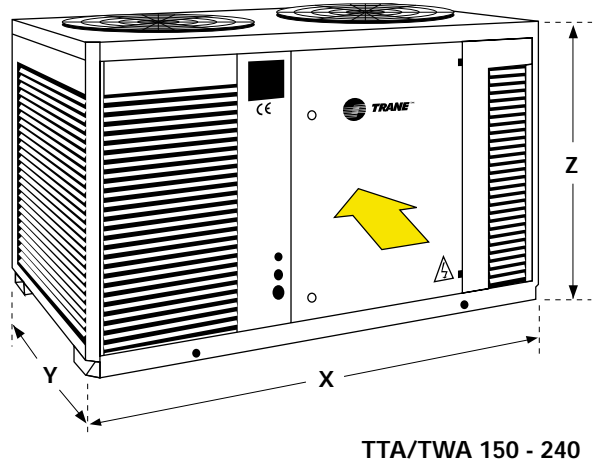
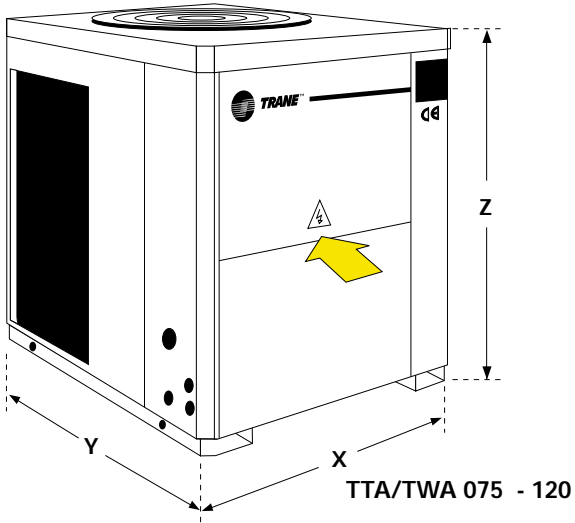

| | 10 Ton | | 15 Ton | | 20 Ton | |
|---------------------------------|-----------------|-----------------------|-----------------|-----------------|----------------------------|----------------------------|
| | Dual Circuit | | Dual Circuit | | Dual Circuit | |
| | TWE100B | TWE120B3¹ TWE120B1 | TWE155B | TWE180B3, B4 | TWE200B | TWE240B3, B4 |
| System Data | | | | | | |
| No. Refrigerant Circuits | 2 | 2 | 2 | 2 | 2 | 2 |
| Suction Line (in.) OD | 1 1/8 | 1 1/8 | 1 3/8 | 1 3/8 | 1 3/8 | 1 3/8 |
| Liquid Line (in.) OD | 3/8 | 3/8 | 1/2 | 1/2 | 1/2 | 1/2 |
| Indoor Coil - Type | Plate Fin | Plate Fin | Plate Fin | Plate Fin | Plate Fin | Plate Fin |
| Tube Size (in.) | .375 | .375 | .375 | .375 | .375 | .375 |
| Face Area (sq. ft.) | 11.2 | 11.2 | 16.3 | 16.3 | 21.6 | 21.6 |
| Rows/FPI | 4/12 | 4/12 | 3/12 | 3/12 | 3/12 | 3/12 |
| Refrigerant Control | Expansion Valve | Expansion Valve | Expansion Valve | Expansion Valve | Expansion Valve | Expansion Valve |
| Drain Connection Size (in.) | 1 PVC | 1 PVC | 1 PVC | 1 PVC | 1 PVC | 1 PVC |
| Indoor Fan - Type | Centrifugal | Centrifugal | Centrifugal | Centrifugal | Centrifugal | Centrifugal |
| No. Used/Diameter x Width (in.) | 1/15x15 | 1/15x15 | 2/15x15 | 2/15x15 | 2/15x15 | 2/15x15 |
| Drive Type/ No. Speeds | Belt/Adjust | Belt/Adjust | Belt/Adjust | Belt/Adjust | Belt/Adjust | Belt/Adjust |
| CFM | 4000 | 4000 | 5000 | 6000 | 66650 | 8000 |
| No. Motors | 1 | 1 | 1 | 1 | 1 | 1 |
| Motor HP - Standard/Oversized | 2.00/— | 2.00/3.00 | 2.00/3.00 | 3.00/5.00 | 3.00/5.00 | 5.00/7.50 |
| Filters - | | | | | | |
| Type/Furnished | Throwaway/Yes | Throwaway/Yes | Throwaway/Yes | Throwaway/Yes | Throwaway/Yes | Throwaway/Yes |
| (No.) Size Recommended | (4) 16x25x1 | (4) 16x25x1 | (8) 15x20x2 | (8) 15x20x2 | (4) 16x25x2 (4) 16x20x2 | (4) 16x25x2 (4) 16x20x2 |

ARI tested and certified with various heat pumps in accordance with ARI Standard 210/240 or 340/360 or 365-00 certification program. Refer to Performance Data section in this catalog.

NOTES:

1. Ships wired for 208-230/3/60. Field convertible to 460/3/60.

LIGHT COMMERCIAL RANGE

Access required to open the door of the starter panel

TTA/TWA

| Outdoor unit | | | TTA 075 | TWA 075 | TTA 100 | TWA 100 | TTA 120 | TWA 120 |
|----------------------------------|--------------------------|------|-------------------|---------|-------------------|---------|--------------------|---------|
| Dimensions | indoor unit (X x Y x Z) | (mm) | 1290 x 970 x 450 | | 1290 x 1095 x 655 | | 1290 x 1095 x 655 | |
| | outdoor unit (X x Y x Z) | (mm) | 1060 x 950 x 1050 | | 1060 x 950 x 1050 | | 1060 x 1050 x 1050 | |
| Weight | indoor unit | (kg) | 83 | 83 | 128 | 128 | 128 | 128 |
| | outdoor unit | (kg) | 185 | 190 | 205 | 210 | 221 | 226 |
| Duct connection (adaptation kit) | | (mm) | 1290 x 442 x 402 | | 1290 x 527 x 602 | | | |
| Accessory | Nb & Ø | (mm) | 5 x 315 | | 3 x 315 + 2 x 400 | | | |

TWE + TTA (Cooling only)

| Indoor unit | | TWE 120 | TWE 150 | TWE 240 | TWE 240 | TWE 120 | TWE 150 | TWE 240 | TWE 240 | | | | | |
|-----------------|-------------------------------|--------------------|--------------|--------------------|--------------|-------------------|---------|-------------------|---------|-------------------|-----|-------------------|-----|-----|
| Outdoor unit | | TTA 120 | TTA 150 | TTA 200 | TTA 240 | | | | | | | | | |
| Dimensions | indoor unit (X x Y x Z) (mm) | 1638 x 662 x 1372 | | 2045 x 732 x 1752 | | 2376 x 804 x 1824 | | 1638 x 662 x 1372 | | 2045 x 732 x 1752 | | 2376 x 804 x 1824 | | |
| | outdoor unit (X x Y x Z) (mm) | 1260 x 1050 x 1050 | | 2200 x 1050 x 1050 | | 1370 x 795 x 1590 | | 2120 x 795 x 1590 | | | | | | |
| Weight | indoor unit | (kg) | 200 | 309 | 375 | 375 | 200 | 309 | 375 | 375 | 200 | 309 | 375 | 375 |
| | outdoor unit | (kg) | 221 | 368 | 408 | 424 | 331 | 495 | 535 | 561 | 331 | 495 | 535 | 561 |
| Duct connection | | (mm) | 41.1 x 31.75 | | 41.9 x 31.75 | | | | | | | | | |
| Accessory | (Nb) | | 1 | | 2 | | | | | | | | | |

TWE + TWA

| Indoor unit | | TWE 120 | TWE 150 | TWE 240 | TWE 240 | TWE 120 | TWE 150 | TWE 240 | TWE 240 | | | | | |
|--------------|-------------------------------|--------------------|---------|--------------------|---------|-------------------|---------|-------------------|---------|-------------------|-----|-------------------|-----|-----|
| Outdoor unit | | TWA 120 | TWA 150 | TWA 200 | TWA 240 | | | | | | | | | |
| Dimensions | indoor unit (X x Y x Z) (mm) | 1638 x 662 x 1372 | | 2045 x 732 x 1752 | | 2376 x 804 x 1824 | | 1638 x 662 x 1372 | | 2045 x 732 x 1752 | | 2376 x 804 x 1824 | | |
| | outdoor unit (X x Y x Z) (mm) | 1260 x 1050 x 1050 | | 2200 x 1050 x 1050 | | 1370 x 795 x 1590 | | 2120 x 795 x 1590 | | | | | | |
| Weight | indoor unit | (kg) | 200 | 309 | 375 | 375 | 200 | 309 | 375 | 375 | 200 | 309 | 375 | 375 |
| | outdoor unit | (kg) | 226 | 380 | 420 | 436 | 336 | 500 | 540 | 566 | 336 | 500 | 540 | 566 |

Minimum clearance (mm)

| Outdoor unit | A | B | C | D | E |
|--------------|------|------|------|------|------|
| TTA 075 | 1000 | 1000 | 1000 | 1000 | 2500 |
| TTA 100 | 1000 | 1000 | 1000 | 1000 | 2500 |
| TTA 120 | 300 | 1000 | 300 | 1000 | - |
| TTA 150 | 300 | 1000 | 300 | 1000 | - |
| TTA 200 | 300 | 1000 | 300 | 1000 | - |
| TTA 240 | 300 | 1000 | 300 | 1000 | - |

| Outdoor unit | A | B | C | D | E |
|--------------|------|------|------|------|------|
| TWA 075 | 1000 | 1000 | 1000 | 1000 | 2500 |
| TWA 100 | 1000 | 1000 | 1000 | 1000 | 2500 |
| TWA 120 | 300 | 1000 | 300 | 1000 | - |
| TWA 150 | 300 | 1000 | 300 | 1000 | - |
| TWA 200 | 300 | 1000 | 300 | 1000 | - |
| TWA 240 | 300 | 1000 | 300 | 1000 | - |