

*MULTI-POSITION, MULTI-SPEED,
ECM-BASED AIR HANDLER
WITH INTERNAL TXV
1½ TO 5 TONS*



Contents

| | |
|-------------------------------|----|
| Air Handler Nomenclature..... | 2 |
| Heater Kit Nomenclature | 2 |
| Product Specifications..... | 3 |
| Dimensions | 4 |
| Airflow Data..... | 5 |
| Heat Kit Data..... | 7 |
| Wiring Diagram..... | 9 |
| Accessories | 12 |

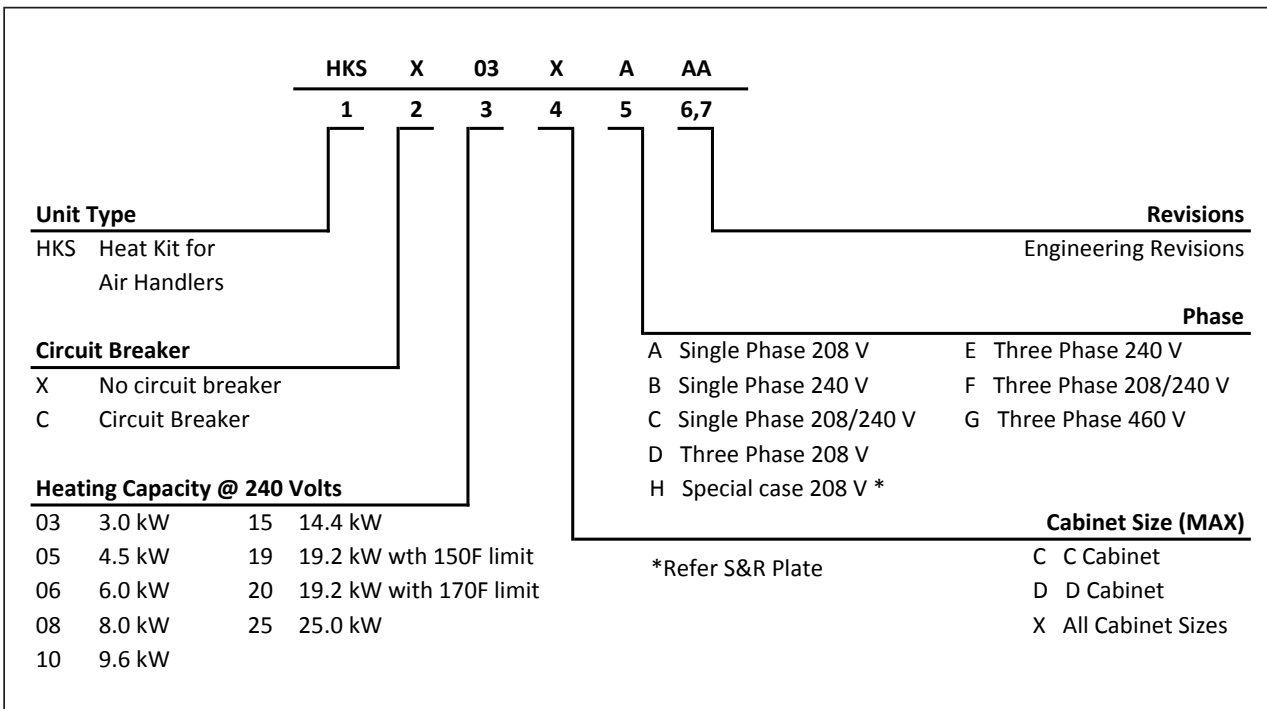
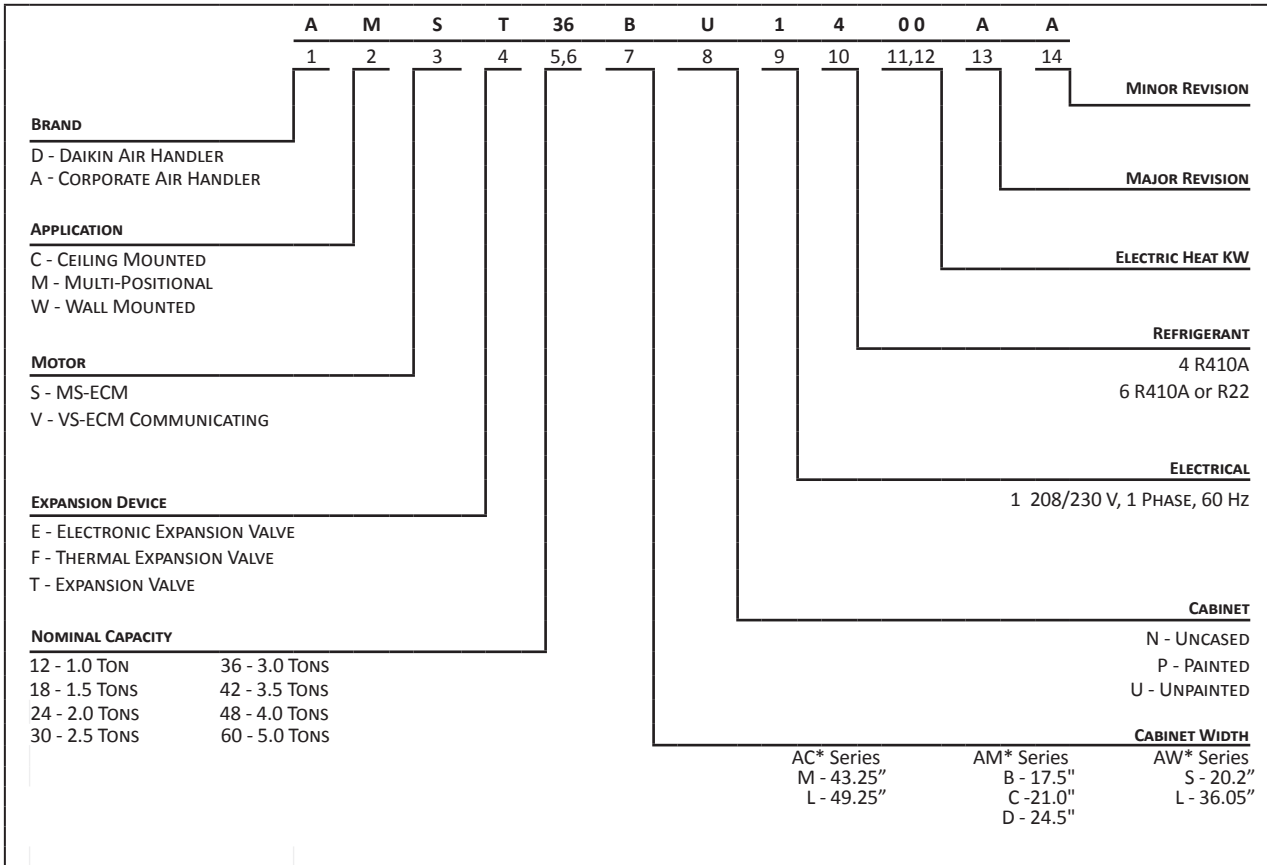
Product Features

- Internal factory-installed thermal expansion valves for cooling and heat pump applications
- Direct drive, multi-speed ECM blower motor
- All-aluminum evaporator coil
- Coil mounting track for quick repositioning
- Optimized for use with R-410A refrigerant
- Cabinet air leakage less than 2.0% at 1.0 inch H₂O when tested in accordance with ASHRAE standard 193
- Cabinet air leakage less than 1.4% at 0.5 inch H₂O when tested in accordance with ASHRAE standard 193
- AHRI certified; ETL listed
- Rigid SmartFrame™ cabinet
- Horizontal or vertical configuration capabilities
- 21" depth for easier attic access
- DecaBDE-free thermoplastic drain pan with secondary drain connections
- Screw-less sides and back helps to reduce condensation when installed in humid locations
- Foil-faced insulation covers the internal casing to reduce cabinet condensation
- Galvanized, leather grain-embossed finish
- Glue-less cabinet insulation retention
- Tool-less filter access
- Field Installed 3 kW – 25 kW electric heater kits available



* Complete warranty details available from your local dealer or at www.goodmanmfg.com. To receive the 10-Year Parts Limited Warranty, online registration must be completed within 60 days of installation. Online registration is not required in California or Québec.

NOMENCLATURE

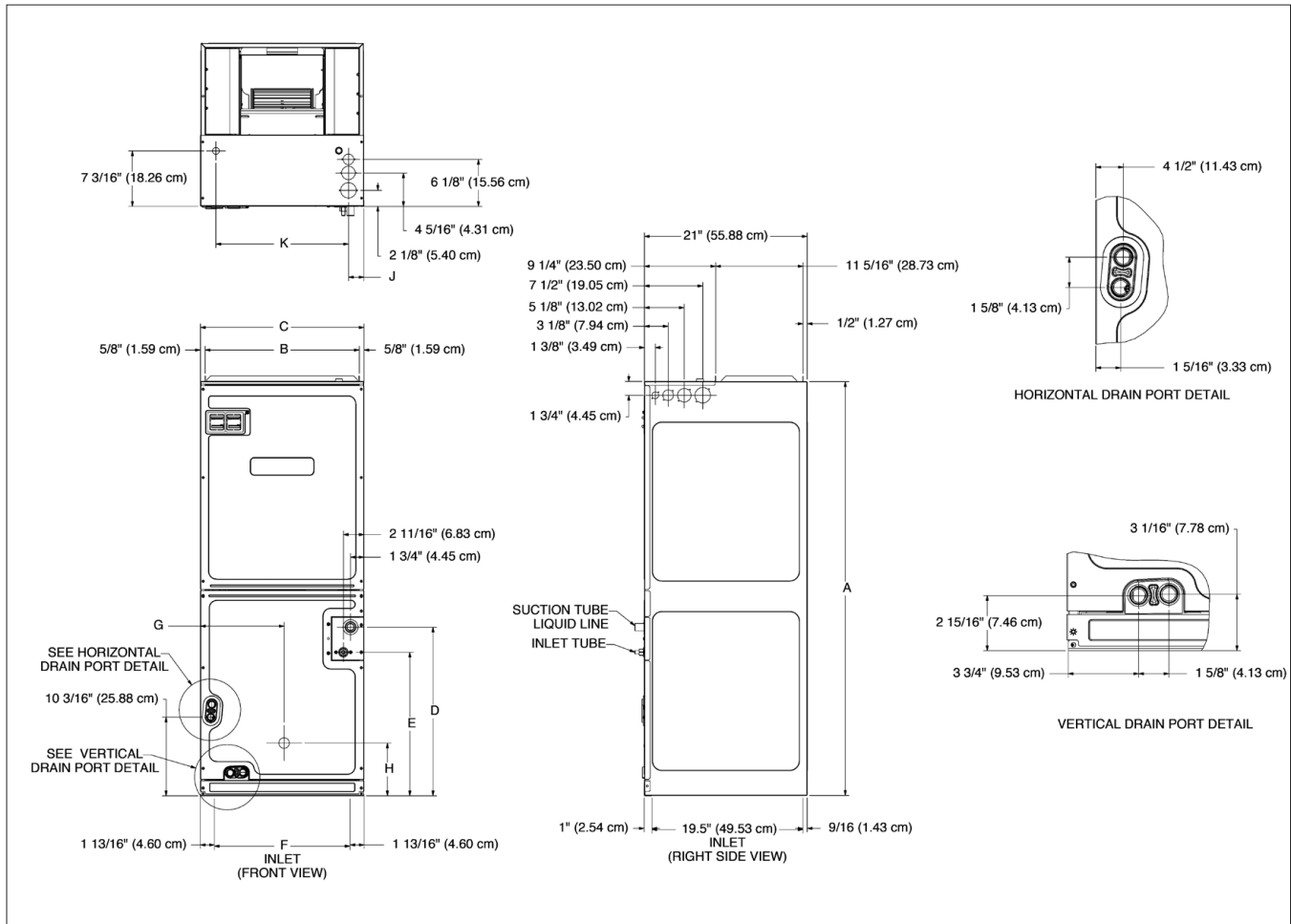


| | AMST 24BU14* | AMST 30BU14* | AMST 36BU14* | AMST 36CU14* | AMST 42CU14* | AMST 48CU14* | AMST 48DU14* | AMST 60DU14* |
|--------------------------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|
| NOMINAL RATINGS | | | | | | | | |
| Cooling (Btu/h) | 24,000 | 36,000 | 36,000 | 36,000 | 42,000 | 48,000 | 48,000 | 60,000 |
| BLOWER | | | | | | | | |
| Diameter | 10" | 10" | 10" | 10" | 10" | 10" | 10" | 11" |
| Width | 6" | 6" | 6" | 8" | 8" | 10" | 10" | 10" |
| COIL CONNECTIONS | | | | | | | | |
| Liquid | 3/8" | 3/8" | 3/8" | 3/8" | 3/8" | 3/8" | 3/8" | 3/8" |
| Suction | 3/4" | 3/4" | 3/4" | 3/4" | 3/4" | 7/8" | 7/8" | 7/8" |
| Coil Drain Connect (FPT) | 3/4" | 3/4" | 3/4" | 3/4" | 3/4" | 3/4" | 3/4" | 3/4" |
| ELECTRICAL DATA | | | | | | | | |
| Voltage | 208/230 | 208/230 | 208/230 | 208/230 | 208/230 | 208/230 | 208/230 | 208/230 |
| Minimum Circuit Ampacity | 5.8/5.8 | 5.6/5.6 | 5.6/5.6 | 7.1/7.1 | 5.9/5.9 | 7.1/7.1 | 8.6/8.6 | 8.6/8.6 |
| Max. Overcurrent Device (Amps) | 15/15 | 15/15 | 15/15 | 15/15 | 15/15 | 15/15 | 15/15 | 15/15 |
| Minimum VAC | 197 | 197 | 197 | 197 | 197 | 197 | 197 | 197 |
| Maximum VAC | 253 | 253 | 253 | 253 | 253 | 253 | 253 | 253 |
| Blower Motor | | | | | | | | |
| Full Load Amps (FLA) | 4.6 | 4.5 | 4.5 | 5.7 | 5.7 | 5.7 | 6.9 | 6.9 |
| Horsepower (HP) | ¾ | ¾ | ¾ | ¾ | ¾ | ¾ | 1 | 1 |
| SHIP WEIGHT (LBS.) | | | | | | | | |
| | 112 | 129 | 129 | 153 | 153 | 153 | 155 | 167 |

*Airflow rate @.3 static

Note: Assumes dry coil; SCFM correction for wet coil = 4% (208V / 240V)

DIMENSIONS



| MODEL | A" | B" | C" | D" | E" | F" | G" | H" | J" | K" |
|-----------|---------|----------|---------|----------|----------|----------|----------|---------|----|--------|
| AMST24BU* | 45 | 16 5/16 | 17 9/16 | 15 1/4 | 12 | 12 1/2 | 9 | 12 9/16 | 2 | 13 5/8 |
| AMST30BU* | 53 7/16 | 16 5/16 | 17 9/16 | 23 11/16 | 20 1/16 | 12 1/2 | 9 | 12 3/4 | 2 | 13 5/8 |
| AMST36BU* | 53 7/16 | 16 5/16 | 17 9/16 | 23 11/16 | 20 1/16 | 12 1/2 | 9 | 12 3/4 | 2 | 13 5/8 |
| AMST36CU* | 49 | 19 13/16 | 21 1/8 | 21 12/16 | 17 3/4 | 16 1/16 | 9 | 12 3/4 | 2 | 17 1/8 |
| AMST42CU* | 53 7/16 | 19 13/16 | 21 1/8 | 21 12/16 | 18 1/2 | 16 1/16 | 9 | 12 3/4 | 2 | 17 1/8 |
| AMST48CU* | 58 | 19 13/16 | 21 1/8 | 26 3/16 | 22 15/16 | 14 10/16 | 10 13/16 | 6 13/16 | 2 | 17 1/8 |
| AMST48DU* | 53 7/16 | 23 1/14 | 24 5/8 | 21 1/16 | 18 1/4 | 17 11/16 | 12 9/16 | 6 15/16 | 2 | 20 5/8 |
| AMST06DU* | 58 | 23 1/14 | 24 5/8 | 26 | 22 3/4 | 17 11/16 | 12 9/16 | 13 3/16 | 2 | 20 5/8 |

| MODEL NUMBER | SPEED TAP | STATIC PRESSURE (IN W.C) | | | | | | | | |
|--------------------|-----------|--------------------------|-------|-------|-------|-------|-------|-------|-------|-------|
| | | 0.1 | 0.2 | 0.3 | 0.4 | 0.5 | 0.6 | 0.7 | 0.8 | 0.9 |
| AMST 24BU1400AA | T1 | 720 | 690 | 625 | 605 | 525 | 505 | 385 | 370 | 265 |
| | T2 | 850 | 825 | 770 | 750 | 675 | 665 | 590 | 575 | 470 |
| | T3 | 900 | 875 | 830 | 815 | 750 | 740 | 670 | 655 | 550 |
| | T4 | 1,030 | 1,005 | 960 | 950 | 900 | 890 | 825 | 820 | 760 |
| | T5 | 825 | 800 | 745 | 730 | 660 | 645 | 560 | 550 | 460 |
| | T6 | 935 | 910 | 865 | 850 | 790 | 780 | 715 | 705 | 620 |
| | T7 | 1,100 | 1,080 | 1,035 | 1,020 | 970 | 960 | 902 | 900 | 840 |
| | T8 | 1,045 | 1,025 | 985 | 970 | 920 | 910 | 820 | 845 | 785 |
| | T9 | 1,215 | 1,195 | 1,155 | 1,145 | 1,105 | 1,095 | 1,045 | 1,040 | 980 |
| AMST 30BU1400AA | T1 | 750 | 725 | 670 | 655 | 585 | 570 | 465 | 455 | 360 |
| | T2 | 920 | 895 | 845 | 830 | 780 | 770 | 710 | 700 | 615 |
| | T3 | 985 | 960 | 915 | 900 | 850 | 840 | 785 | 775 | 710 |
| | T4 | 1,185 | 1,165 | 1,125 | 1,115 | 1,070 | 1,060 | 1,015 | 1,010 | 960 |
| | T5 | 1,070 | 1,050 | 1,005 | 995 | 945 | 935 | 890 | 885 | 830 |
| | T6 | 620 | 585 | 515 | 458 | 375 | 310 | 260 | 245 | 145 |
| | T7 | 840 | 815 | 760 | 745 | 685 | 670 | 590 | 580 | 480 |
| | T8 | 855 | 830 | 780 | 765 | 705 | 695 | 625 | 615 | 515 |
| | T9 | 995 | 970 | 925 | 910 | 860 | 850 | 800 | 790 | 730 |
| AMST 36BU1400AA | T1 | 750 | 725 | 670 | 655 | 585 | 570 | 465 | 455 | 360 |
| | T2 | 920 | 895 | 845 | 830 | 780 | 770 | 710 | 700 | 615 |
| | T3 | 985 | 960 | 915 | 900 | 850 | 840 | 785 | 775 | 710 |
| | T4 | 1,185 | 1,165 | 1,125 | 1,115 | 1,070 | 1,060 | 1,015 | 1,010 | 960 |
| | T5 | 1,070 | 1,050 | 1,005 | 995 | 945 | 935 | 890 | 885 | 830 |
| | T6 | 620 | 585 | 515 | 485 | 375 | 310 | 260 | 245 | 145 |
| | T7 | 840 | 815 | 760 | 745 | 685 | 670 | 590 | 580 | 480 |
| | T8 | 855 | 830 | 780 | 765 | 705 | 695 | 625 | 615 | 515 |
| | T9 | 995 | 970 | 925 | 910 | 860 | 850 | 800 | 790 | 730 |
| AMST 36CU1400AA | T 1 | 1,120 | 1,085 | 1,020 | 1,000 | 910 | 890 | 770 | 760 | 680 |
| | T 2 | 1,285 | 1,255 | 1,190 | 1,170 | 1,100 | 1,085 | 990 | 980 | 885 |
| | T 3 | 1,430 | 1,400 | 1,345 | 1,330 | 1,260 | 1,250 | 1,175 | 1,165 | 1,065 |
| | T 4 | 1,735 | 1,410 | 1,660 | 1,645 | 1,580 | 1,570 | 1,510 | 1,500 | 1,440 |
| | T 5 | 1,830 | 1,805 | 1,755 | 1,740 | 1,685 | 1,675 | 1,605 | 1,595 | 1,525 |
| | T6 | 1,165 | 1,130 | 1,055 | 1,035 | 960 | 940 | 825 | 815 | 715 |
| | T7 | 1,450 | 1,425 | 1,370 | 1,355 | 1,285 | 1,275 | 1,200 | 1,190 | 1,095 |
| | T8 | 1,070 | 1,035 | 960 | 935 | 830 | 810 | 700 | 690 | 610 |
| | T9 | 1,560 | 1,530 | 1,470 | 1,455 | 1,390 | 1,380 | 1,310 | 1,300 | 1,235 |
| AMST 42CU1400AA | T1 | 1,165 | 1,140 | 1,085 | 1,065 | 990 | 975 | 895 | 880 | 765 |
| | T2 | 1,210 | 1,185 | 1,130 | 1,110 | 1,040 | 1,025 | 950 | 935 | 830 |
| | T3 | 1,215 | 1,190 | 1,135 | 1,120 | 1,055 | 1,040 | 960 | 945 | 835 |
| | T4 | 1,495 | 1,470 | 1,425 | 1,415 | 1,365 | 1,355 | 1,305 | 1,295 | 1,220 |
| | T5 | 1,435 | 1,410 | 1,360 | 1,345 | 1,295 | 1,285 | 1,220 | 1,210 | 1,140 |
| | T6 | 1,410 | 1,385 | 1,335 | 1,325 | 1,280 | 1,270 | 1,195 | 1,185 | 1,115 |
| | T7 | 1,440 | 1,415 | 1,362 | 1,355 | 1,305 | 1,295 | 1,235 | 1,225 | 1,155 |
| | T8 | 1,230 | 1,205 | 1,150 | 1,135 | 1,070 | 1,060 | 990 | 975 | 850 |
| | T9 | 1,495 | 1,470 | 1,425 | 1,415 | 1,365 | 1,355 | 1,305 | 1,295 | 1,220 |

AIRFLOW DATA (CONT.)

| MODEL NUMBER | SPEED TAP | STATIC PRESSURE (IN W.C) | | | | | | | | |
|------------------------|-----------|--------------------------|-------|-------|-------|-------|-------|-------|-------|-------|
| | | 0.1 | 0.2 | 0.3 | 0.4 | 0.5 | 0.6 | 0.7 | 0.8 | 0.9 |
| AMST 48CU1400AA | T1 | 1,165 | 1,390 | 1,330 | 1,310 | 1,235 | 1,220 | 1,135 | 1,125 | 1,050 |
| | T2 | 1,210 | 1,550 | 1,490 | 1,470 | 1,400 | 1,390 | 1,315 | 1,305 | 1,230 |
| | T3 | 1,215 | 1,610 | 1,560 | 1,545 | 1,480 | 1,470 | 1,400 | 1,390 | 1,315 |
| | T4 | 1,495 | 1,710 | 1,660 | 1,640 | 1,560 | 1,550 | 1,485 | 1,475 | 1,410 |
| | T5 | 1,435 | 1,795 | 1,750 | 1,735 | 1,680 | 1,670 | 1,605 | 1,595 | 1,525 |
| | T6 | 1,410 | 1,435 | 1,375 | 1,355 | 1,280 | 1,265 | 1,165 | 1,155 | 1,065 |
| | T7 | 1,440 | 1,700 | 1,650 | 1,635 | 1,570 | 1,560 | 1,495 | 1,485 | 1,420 |
| | T8 | 1,230 | 1,730 | 1,680 | 1,665 | 1,595 | 1,585 | 1,515 | 1,505 | 1,425 |
| | T9 | 1,495 | 1,295 | 1,230 | 1,210 | 1,130 | 1,115 | 1,025 | 1,015 | 930 |
| AMST 48DU1400AA | T1 | 1,425 | 1,395 | 1,335 | 1,320 | 1,250 | 1,240 | 1,165 | 1,155 | 1,070 |
| | T2 | 1,510 | 1,480 | 1,425 | 1,410 | 1,345 | 1,335 | 1,270 | 1,260 | 1,185 |
| | T3 | 1,605 | 1,580 | 1,525 | 1,510 | 1,450 | 1,440 | 1,375 | 1,365 | 1,300 |
| | T4 | 1,875 | 1,855 | 1,810 | 1,795 | 1,735 | 1,725 | 1,670 | 1,665 | 1,605 |
| | T5 | 1,755 | 1,730 | 1,680 | 1,665 | 1,605 | 1,595 | 1,535 | 1,525 | 1,465 |
| | T6 | 1,350 | 1,320 | 1,260 | 1,245 | 1,175 | 1,160 | 1,085 | 1,075 | 980 |
| | T7 | 1,140 | 1,105 | 1,040 | 1,020 | 935 | 915 | 805 | 790 | 685 |
| | T8 | 1,605 | 1,580 | 1,525 | 1,510 | 1,450 | 1,440 | 1,375 | 1,365 | 1,300 |
| | T9 | 1,605 | 1,580 | 1,525 | 1,510 | 1,450 | 1,440 | 1,375 | 1,365 | 1,300 |
| AMST 60DU1400AA | T1 | 1,215 | 1,175 | 1,095 | 1,070 | 975 | 950 | 790 | 780 | 700 |
| | T6 | 1,815 | 1,785 | 1,725 | 1,710 | 1,650 | 1,640 | 1,570 | 1,560 | 1,490 |
| | T7 | 1,360 | 1,325 | 1,250 | 1,230 | 1,145 | 1,125 | 1,010 | 990 | 850 |
| | T8 | 2,070 | 2,045 | 1,995 | 1,980 | 1,930 | 1,920 | 1,855 | 1,845 | 1,785 |
| | T9 | 1,970 | 1,945 | 1,895 | 1,880 | 1,815 | 1,805 | 1,740 | 1,730 | 1,600 |

NOTES

1. Airflow data indicated is at 230V without air filter in place.
2. The chart is for information only. For satisfactory operation, external static pressure must not exceed value shown on rating plate. The shaded area indicates ranges in excess of maximum design external static pressure.
3. Use the CFM adjustment factors of 0.98 for horizontal left and 0.96 for horizontal right & downflow orientations
4. When applying a humidistat (normally closed), refer to the installation and operating instructions. The humidistat can adjust the cooling airflow to 85%.

| | |
|-------------------------|------|
| Horizontal Left Factor | 0.98 |
| Horizontal Right Factor | 0.95 |
| Downflow Factor | 0.96 |

See notes on page 7.

| HEATER KIT MODEL | CIRCUIT 1 | | | CIRCUIT 2 | | | SINGLE-POINT KIT | |
|-----------------------|-------------|------------------|------------------|-------------|------------------|------------------|------------------|------------------|
| | HEATER AMPS | MCA ¹ | MOP ² | HEATER AMPS | MCA ¹ | MOP ² | MCA ¹ | MOP ² |
| AMST24BU1400AA | 0/0 | 5.8/5.8 | 15/15 | | | | | |
| HKS*03XC* | 10.8/12.5 | 19/21.4 | 20/25 | | | | | |
| HKS*05XC* | 17.3/20 | 27/30.8 | 30/35 | | | | | |
| HKS*06XC* | 21.7/25 | 32.8/37 | 35/40 | | | | | |
| HKS*08XC* | 28.9/33.3 | 41.9/47 | 45/50 | | | | | |
| HKS*10XC* | 34.7/40 | 49.1/56 | 50/60 | | | | | |
| HKSC15XA 208 | 34.7 | 49.1 | 50 | 17.3 | 21.7 | 25 | 70.8 | 80 |
| HKSC15XB 240 | 40 | 55.8 | 60 | 20 | 25 | 25 | 80.8 | 90 |
| AMST30BU1400AA | 0/0 | 5.6/5.6 | 15/15 | | | | | |
| HKS*03XC* | 10.8/12.5 | 19/21.3 | 20/25 | | | | | |
| HKS*05XC* | 17.3/20 | 27/30.6 | 30/35 | | | | | |
| HKS*06XC* | 21.7/25 | 32.7/37 | 35/40 | | | | | |
| HKS*08XC* | 28.9/33.3 | 42/47.3 | 45/50 | | | | | |
| HKS*10XC* | 34.7/40 | 49/55.6 | 50/60 | | | | | |
| HKSC15XA 208 | 34.7 | 49 | 50 | 17.3 | 21.7 | 25 | 70.8 | 80 |
| HKSC15XB 240 | 40 | 55.6 | 60 | 20 | 25 | 25 | 80.8 | 90 |
| AMST36BU1400AA | 0/0 | 5.6/5.6 | 15/15 | | | | | |
| HKS*03XC* | 10.8/12.5 | 19/21.3 | 20/25 | | | | | |
| HKS*05XC* | 17.3/20 | 27/30.6 | 30/35 | | | | | |
| HKS*06XC* | 21.7/25 | 32.7/37 | 35/40 | | | | | |
| HKS*08XC* | 28.9/33.3 | 42/47.3 | 45/50 | | | | | |
| HKS*10XC* | 34.7/40 | 49/55.6 | 50/60 | | | | | |
| HKSC15XA 208 | 34.7 | 49 | 50 | 17.3 | 21.7 | 25 | 70.8 | 80 |
| HKSC15XB 240 | 40 | 55.6 | 60 | 20 | 25 | 25 | 80.8 | 90 |
| AMST36CU1400AA | 0/0 | 7.1/7.1 | 15/15 | | | | | |
| HKS*03XC* | 10.8/12.5 | 20.7/23 | 25/25 | | | | | |
| HKS*05XC* | 17.3/20 | 29/32.1 | 30/35 | | | | | |
| HKS*06XC* | 21.7/25 | 34/38.4 | 35/40 | | | | | |
| HKS*08XC* | 28.9/33.3 | 43/48.8 | 45/50 | | | | | |
| HKS*10XC* | 34.7/40 | 50.5/57 | 60/60 | | | | | |
| HKS*15XF* | 0/0 | 7.1/7.1 | 15/15 | 30/34.6 | 30/34.6 | 40/45 | | |
| HKSC15XA 208 | 34.7 | 50.5 | 60 | 17.3 | 17.3 | 25 | 72.1 | 80 |
| HKSC15XB 240 | 40 | 57.1 | 60 | 20 | 20 | 25 | 82.1 | 90 |
| HKSC19CH 208 | 34.7 | 50.5 | 60 | 34.7 | 34.7 | 45 | 93.9 | 100 |
| HKSC19CB 240 | 40 | 57.1 | 60 | 40 | 40 | 50 | 107 | 110 |
| AMST42CU1400AA | 0/0 | 5.9/5.9 | 15/15 | | | | | |
| HKS*03XC* | 10.8/12.5 | 19/21.5 | 20/25 | | | | | |
| HKS*05XC* | 17.3/20 | 28/30.9 | 30/35 | | | | | |
| HKS*06XC* | 21.7/25 | 33/37.1 | 35/40 | | | | | |
| HKS*08XC* | 28.9/33.3 | 42/47.5 | 45/50 | | | | | |
| HKS*10XC* | 34.7/40 | 49/55.9 | 50/60 | | | | | |
| HKS*15XF* | 0/0 | 5.9/5.9 | 15/15 | 30/34.6 | 38/43 | 40/45 | | |
| HKSC15XA 208 | 34.7 | 49.2 | 50 | 17.3 | 21.7 | 25 | 70.9 | 80 |
| HKSC15XB 240 | 40 | 55.9 | 60 | 20 | 25 | 25 | 80.9 | 90 |
| HKSC19CA 208 | 34.7 | 49.2 | 50 | 34.7 | 43.3 | 45 | 92.5 | 100 |
| HKSC19CB 240 | 40 | 55.9 | 60 | 40 | 50 | 50 | 106 | 110 |

See notes on page 8.

HEAT KIT DATA (CONT.)

| HEATER KIT MODEL | CIRCUIT 1 | | | CIRCUIT 2 | | | SINGLE-POINT KIT | |
|-----------------------|-------------|------------------|------------------|-------------|------------------|------------------|------------------|------------------|
| | HEATER AMPS | MCA ¹ | MOP ² | HEATER AMPS | MCA ¹ | MOP ² | MCA ¹ | MOP ² |
| AMST48CU1400AA | 0/0 | 7.1/7.1 | 15/15 | | | | | |
| HKS*03XC* | 10.8/12.5 | 20.7/23 | 25/25 | | | | | |
| HKS*05XC* | 17.3/20 | 29/32.1 | 30/35 | | | | | |
| HKS*06XC* | 21.7/25 | 34/38.4 | 35/40 | | | | | |
| HKS*08XC* | 28.9/33.3 | 43/48.8 | 45/50 | | | | | |
| HKS*10XC* | 34.7/40 | 50.5/57 | 60/60 | | | | | |
| HKS*15XF* | 0/0 | 7.1/7.1 | 15/15 | 30/34.6 | 38/43 | 40/45 | | |
| HKSC15XA 208 | 34.7 | 50.5 | 60 | 17.3 | 21.7 | 25 | 72.1 | 80 |
| HKSC15XB 240 | 40 | 57.1 | 60 | 20 | 25 | 25 | 82.1 | 90 |
| HKSC19CH 208 | 34.7 | 50.5 | 60 | 34.7 | 43.3 | 45 | 93.9 | 100 |
| HKSC19CB 240 | 40 | 57.1 | 60 | 40 | 50 | 50 | 107 | 110 |
| AMST48DU1400 | 0/0 | 8.6/8.6 | 15/15 | | | | | |
| HKS*03XC* | 10.8/12.5 | 22/24.3 | 25/25 | | | | | |
| HKS*05XC* | 17.3/20 | 30.3/34 | 35/35 | | | | | |
| HKS*06XC* | 21.7/25 | 36/39.9 | 40/40 | | | | | |
| HKS*08XC* | 28.9/33.3 | 45/50.3 | 45/60 | | | | | |
| HKS*10XC* | 34.7/40 | 52/58.6 | 60/60 | | | | | |
| HKS*15XF* | 0/0 | 8.6/8.6 | 15/15 | 30/34.6 | 38/43 | 40/45 | | |
| HKSC15XA 208 | 34.7 | 52 | 60 | 17.3 | 21.7 | 25 | 73.6 | 80 |
| HKSC15XB 240 | 40 | 58.6 | 60 | 20 | 25 | 25 | 83.6 | 90 |
| HKS*20XF* | 0/0 | 8.6/8.6 | 15/15 | 37.5/43.3 | 47/54 | 50/60 | | |
| HKSC20DA 208 | 34.7 | 52 | 60 | 34.7 | 43.3 | 45 | 95.3 | 100 |
| HKSC20DB 240 | 40 | 58.6 | 60 | 40 | 50 | 50 | 109 | 110 |
| AMST60DU1400 | 0/0 | 8.6/8.6 | 15/15 | | | | | |
| HKS*03XC* | 10.8/12.5 | 22/24.3 | 25/25 | | | | | |
| HKS*05XC* | 17.3/20 | 30.3/34 | 35/35 | | | | | |
| HKS*06XC* | 21.7/25 | 36/39.9 | 40/40 | | | | | |
| HKS*08XC* | 28.9/33.3 | 45/50.3 | 45/60 | | | | | |
| HKS*10XC* | 34.7/40 | 52/58.6 | 60/60 | | | | | |
| HKS*15XF* | 0/0 | 8.6/8.6 | 15/15 | 30/34.6 | 38/43 | 40/45 | | |
| HKSC15XA 208 | 34.7 | 52 | 60 | 17.3 | 21.7 | 25 | 73.6 | 80 |
| HKSC15XB 240 | 40 | 58.6 | 60 | 20 | 25 | 25 | 83.6 | 90 |
| HKS*20XF* | 0/0 | 8.6/8.6 | 15/15 | 37.5/43.3 | 47/54 | 50/60 | | |
| HKSC20DH 208 | 34.7 | 52 | 60 | 34.7 | 43.3 | 45 | 95.3 | 100 |
| HKSC20DB 240 | 40 | 58.6 | 60 | 40 | 50 | 50 | 109 | 110 |
| HKTSD25DA 208 | 52 | 73.6 | 80 | 35 | 43.3 | 45 | 117 | 125 |
| HKTSD25DB 240 | 60 | 83.6 | 90 | 40 | 50 | 50 | 134 | 150 |

¹Minimum Circuit Ampacity (Heater Amps + Motor Amps) X 1.25

²Maximum Overcurrent Protection = 2.25 X Motor Amps + Heater Amps

[^]Circuit 1: Single-phase for Air Handlers Circuit 2: Three-phase for HKR3 Heater Kits

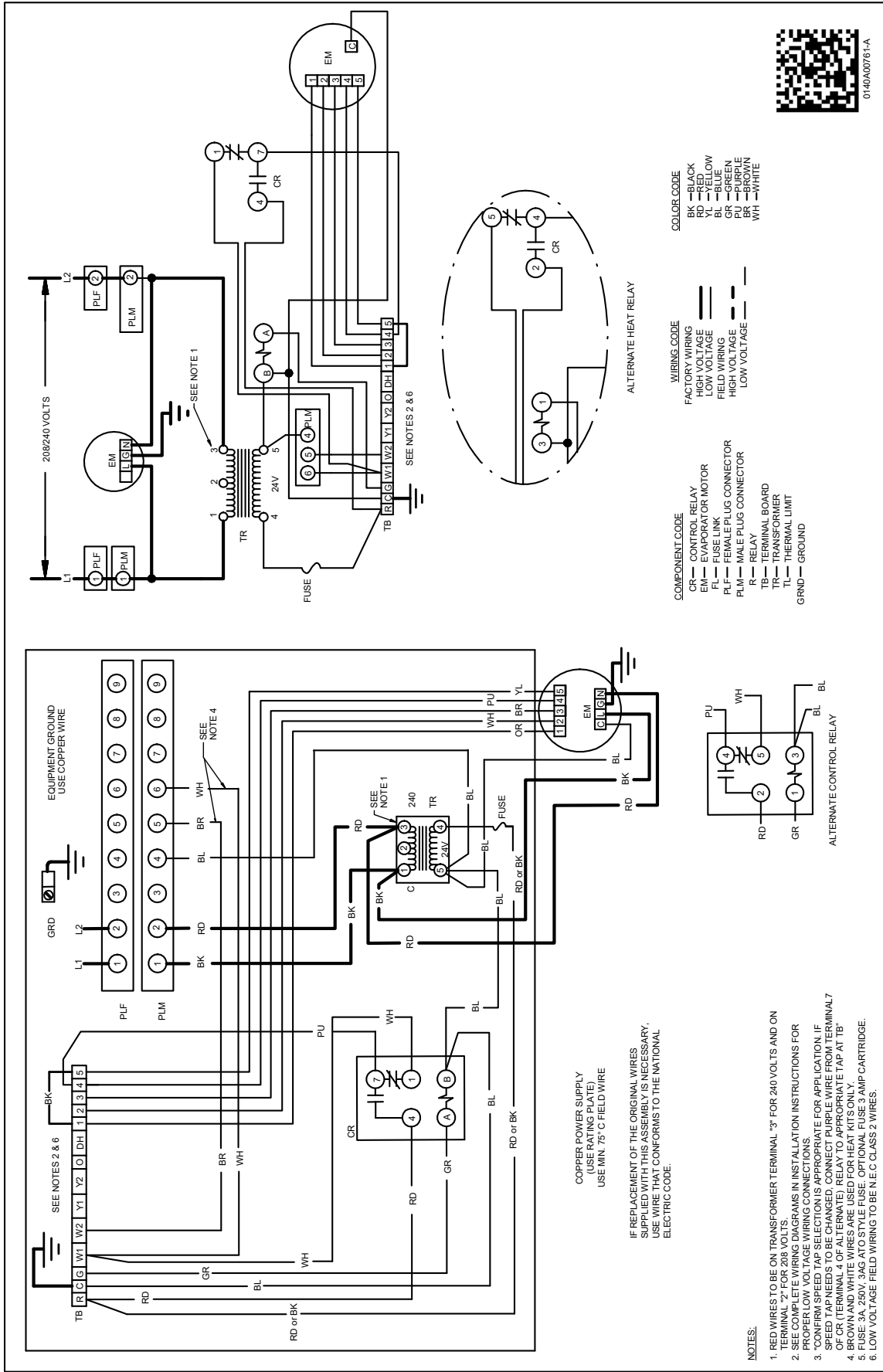
---indicates Not Required

Note: The 208 or 240 in the heat kit part number field is for clarification of the nominal voltage for this model.

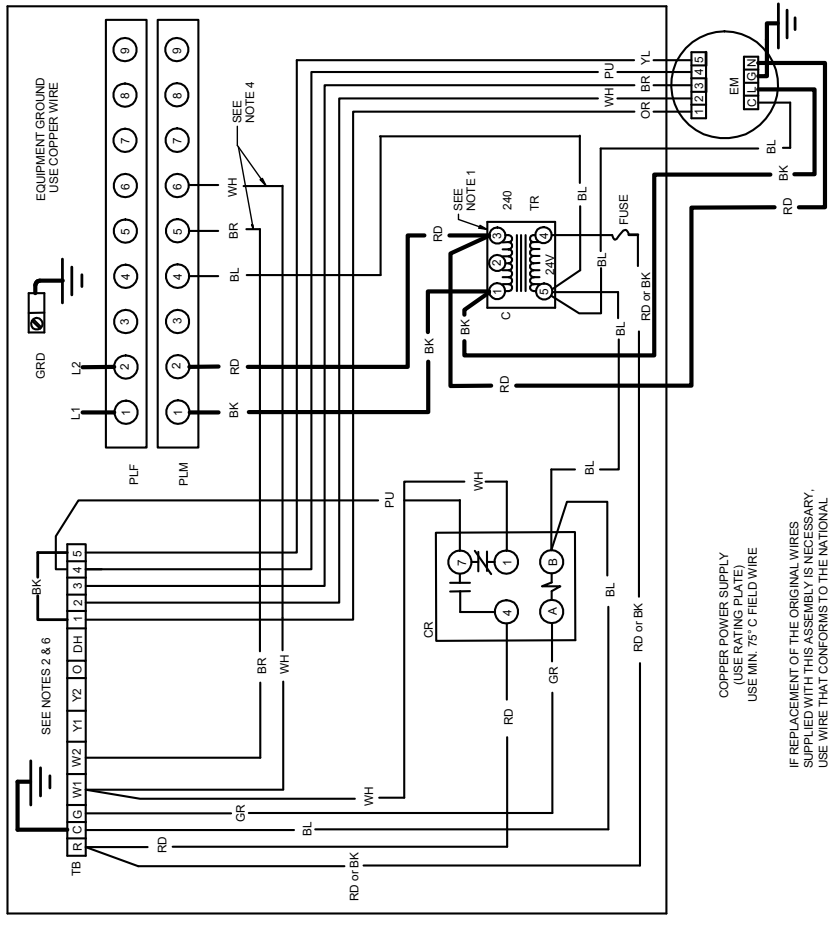
HEATING KW CORRECTION FACTOR

| SUPPLY VOLTAGE | 240 | 230 | 220 | 210 | 208 |
|-------------------|------|------|------|------|------|
| CORRECTION FACTOR | 1.00 | 0.92 | 0.84 | 0.77 | 0.75 |

Multiply the 240-volt heating capacity by correction factors.

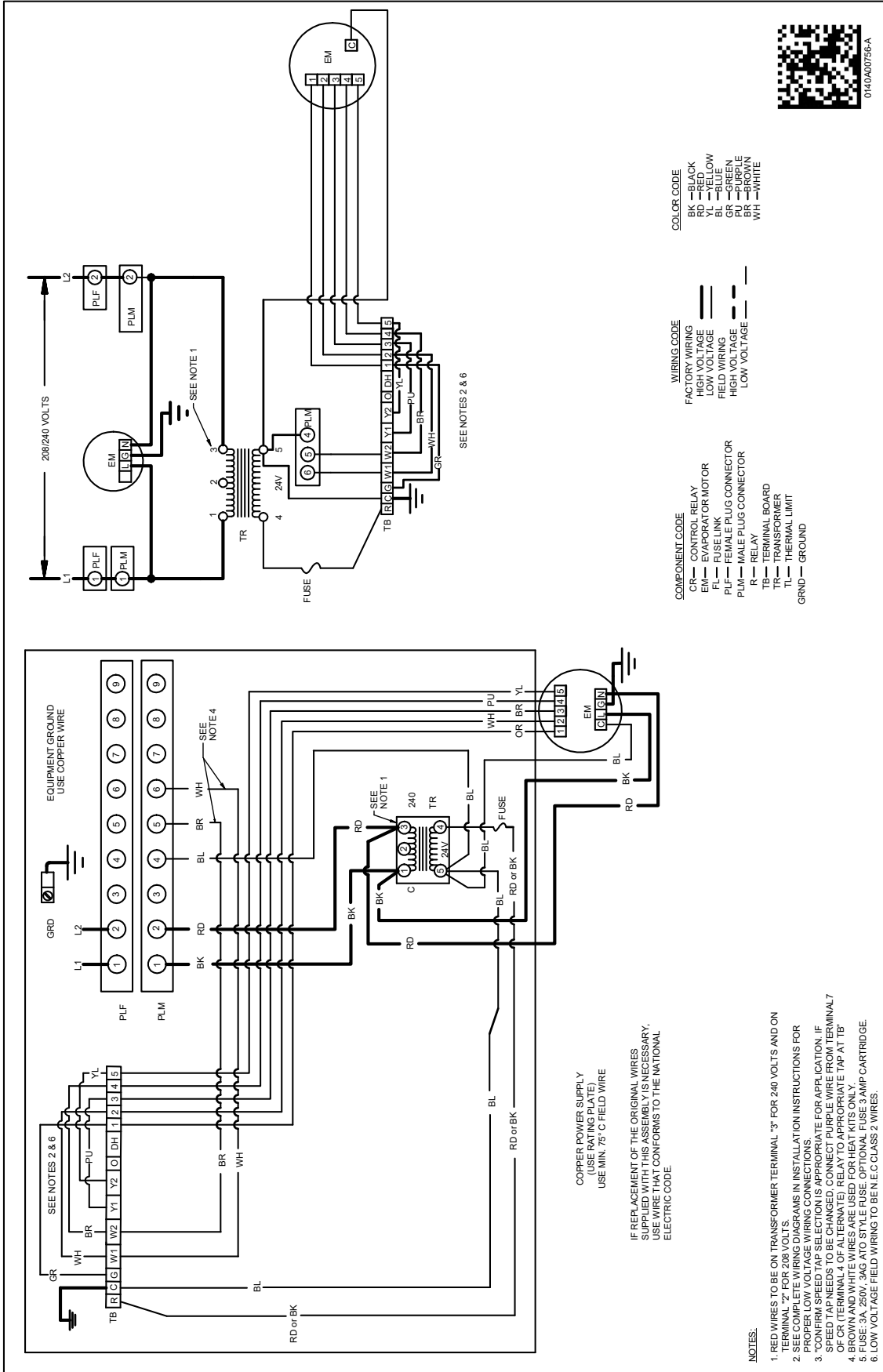


| COMPONENT CODE | WIRING CODE | COLOR CODE |
|----------------|----------------|-------------|
| CR | FACTORY WIRING | BK → BLACK |
| EM | LOW VOLTAGE | YL → YELLOW |
| FL | FIELD WIRING | BL → BLUE |
| PLF | HIGH VOLTAGE | GR → GREEN |
| PLM | LOW VOLTAGE | GR → GREEN |
| R | RELAY | BR → BROWN |
| TB | TERMINAL BOARD | WH → WHITE |
| TR | TRANSFORMER | |
| TL | THERMAL LIMIT | |
| GRND | GROUND | |



- NOTES:**
1. RED WIRES TO BE ON TRANSFORMER TERMINAL "3" FOR 240 VOLTS AND ON TERMINAL "2" FOR 208 VOLTS.
 2. SEE COMPLETE WIRING DIAGRAMS IN INSTALLATION INSTRUCTIONS FOR PROPER LOW VOLTAGE WIRING CONNECTIONS.
 3. *CONFIRM SPEED TAP SELECTION IS APPROPRIATE FOR APPLICATION. IF SPEED TAP NEEDS TO BE CHANGED, CONNECT PURPLE WIRE FROM TERMINAL 7 OF CR (TERMINAL 4 OF ALTERNATE) RELAY TO APPROPRIATE TAP AT TB.
 4. BROWN AND WHITE WIRES ARE USED FOR HEAT KITS ONLY.
 5. USE 1/2 AMP CARTRIDGE FUSE.
 6. LOW VOLTAGE FIELD WIRING TO BE N.E.C. CLASS 2 WIRES.
- COPPER POWER SUPPLY (USE RATING PLATE)
USE MIN. 75 °C FIELD WIRE
- IF REPLACEMENT OF THE ORIGINAL WIRES SUPPLIED WITH THIS ASSEMBLY IS NECESSARY, USE WIRE THAT CONFORMS TO THE NATIONAL ELECTRIC CODE.

WARNING High Voltage: Disconnect all power before servicing or installing this unit. Multiple power sources may be present. Failure to do so may cause property damage, personal injury, or death.



0140A0076CA

WARNING

High Voltage: Disconnect all power before servicing or installing this unit. Multiple power sources may be present. Failure to do so may cause property damage, personal injury, or death.

Wiring is subject to change. Always refer to the wiring diagram on the unit for the most up-to-date wiring.

DOWNFLOW KITS

| DFKE-02 | DFKE-03 |
|----------------|----------------|
| AMST24BU1400** | AMST48CU1400** |
| AMST30BU1400** | AMST48DU1400** |
| AMST36BU1400** | AMST60DU1400** |
| AMST36CU1400** | |
| AMST42CU1400** | |

HIGH HUMIDITY KIT

| HHK0004 | HHK0005 | HHK0006 | HHK0007 |
|----------------|----------------|----------------|----------------|
| AMST24BU1400** | AMST36CU1400** | AMST48DU1400** | AMST60DU1400** |
| AMST30BU1400** | AMST42CU1400** | | |
| AMST36BU1400** | AMST48CU1400** | | |

CONDENSATE MANAGEMENT KIT

| CMK0018 | CMK0019 | CMK0020 |
|----------------|----------------|----------------|
| AMST24BU1400** | AMST30BU1400** | AMST48CU1400** |
| AMST36CU1400** | AMST36BU1400** | AMST48DU1400** |
| | AMST42CU1400** | AMST60DU1400** |

FILTERS

| CHASSIS | PART # | SIZE |
|---------|--------------|---------------|
| B | ALFH16201E | 16.0" x 20.0" |
| C | ALFH1912201E | 19.5" x 20.0" |
| D | ALFH20231E | 23.0" x 20.0" |

SINGLE POINT WIRING KIT (SPW-01)

| HEATER KIT MODEL | SPWK-B | SPWK-C | SPWK-D |
|------------------|----------------|--|----------------------------------|
| HKSC15XB-240V | AMST24BU1400** | AMST36CU1400** AMST42CU1400** AMST48CU1400** | AMST48DU1400** AMST60DU1400** |
| HKSC15XA-208V | AMST30BU1400** | | |
| HKSC15CA-208V | AMST36BU1400** | | |
| HKSC19CB-240V | | | |
| HKSC20DA-208V | | | AMST48DU1400** AMST60DU1400** |
| HKSC20DB-240V | | | |
| HKSC25DA-240V | | | AMST60DU1400** |
| HKSC25DA-208V | | | |
| HKSC25DA | | | |

