



**GE APPLIANCES**

# Product Specifications

## NAM\*\*V1TA5S COMPACT AIR HANDLER

### RESIDENTIAL PRODUCT SPECIFICATIONS

- Upflow/Horizontal
- Downflow with Accessory Conversion Kit
- Variable Speed
- Total Corrosion Technology Designed Coil
- TXV Furnished
- R- 454B
- 60Hz
- 1.5 to 5 Tons
- Optional Electric Heat - 5 to 20 kW

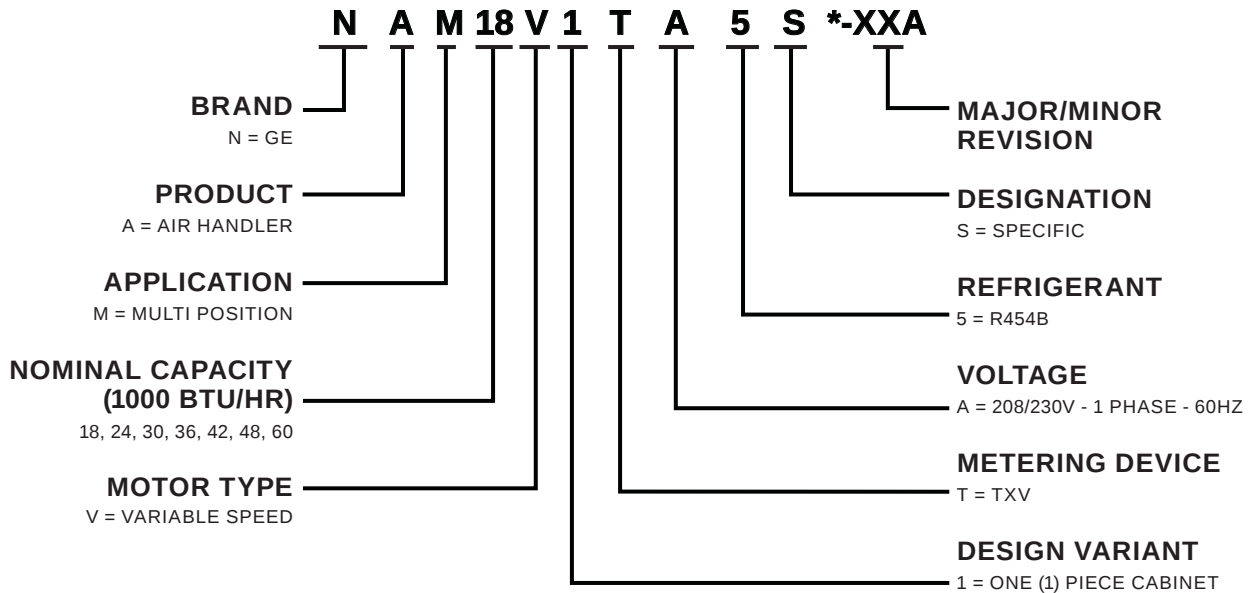


**READ CAREFULLY.  
KEEP THESE INSTRUCTIONS.**

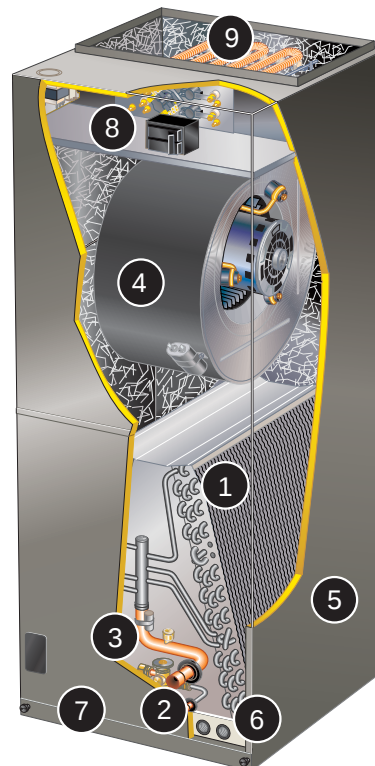
# NAM\*\*V1TA5S

## PRODUCT SPECIFICATIONS

### MODEL NUMBER GUIDE



1. Total Corrosion Technology Designed Coil
2. Mechanical or Brazed Line Set Connections
3. Check and Expansion Valve
4. Programmable Variable Blower Motor
5. Heavy Gauge Steel Cabinet
6. Anti-Microbial Dual Position Drain Pans
7. Built in Filter Rack
8. Transformer and Blower Relay
9. Electric Heat (optional)



## **APPROVALS**

- Tested with matching air conditioners and heat pump units in accordance with AHRI Standard 210/240-2023
- AHRI Certified system match-ups and expanded ratings, visit **AHRIDirectory.org**
- ETL Listed to US and Canadian safety standards and components within are bonded for grounding to meet safety standards for servicing required by NEC and CEC
- Optional electric heaters are ETL listed and rated in accordance with US Department of Energy (DOE) test procedures and Federal Trade Commission (FTC) labeling regulations
- Blower performance data according to unit tests conducted in GE Appliances air test chamber
- Approved for installation in manufactured housing and mobile homes.
- ISO 9001 Registered Manufacturing Quality System

## **APPLICATIONS**

- 1.5 to 5 ton nominal sizes
- Upflow or horizontal applications
- **NOTE** - Downflow applications require optional conversion kit.
- Applicable to expansion valve systems in cooling applications and check and expansion valve systems in heat pump applications
- Wide-range check and expansion valve is factory installed
- Optional field installed electric heaters available in several sizes for additive heating capacity

## **ZONING APPLICATIONS**

- Units can be used with certain zoning systems
- Zone control panel **MUST** be able to interface and communicate with the variable speed motor in the unit

## **REFRIGERANT SYSTEM**

### **Total Corrosion Technology Designed Coil**

- Enhanced aluminum alloy tube/enhanced fin coil for superior corrosion resistance
- Aluminum tubing, hairpins, distributor and header tubes
- Ripple-edged aluminum fins
- Twin coil construction assembled in a “A” configuration for large surface area
- Provides excellent heat transfer and low air resistance for maximum efficiency
- Precise circuiting for uniform refrigerant distribution
- Lanced fins provide maximum exposure of fin surface to air stream
- Axial grooved tubing provides superior heat transfer
- Coil thoroughly factory tested under high pressure to ensure leakproof construction

### **Mechanical or Brazed Line Set Connections**

- Copper refrigerant sweat connections on both liquid and suction lines for easy brazing
- Lines extend outside of the cabinet for ease of connection
- See dimension drawings for locations

### **Braze-Free/Press Fitting Flexibility**

- Units can accommodate braze-free or press fittings for
- installation versatility

### **R-454B Check and Expansion Valve**

- For use with R-454B systems
- Wide range valve with Chatleff style fitting
- Factory installed on all models, internal to cabinet

**REFRIGERANT DETECTION SYSTEM (RDS)**

- Complies with UL 60335-2-40 approved standard
- Required for all systems using R-454B refrigerant
- Consists of a factory installed Refrigerant Detection System (RDS) sensor and a Refrigerant Detection System (RDS) Blower Control Board

**Refrigerant Detection System (RDS) Air Handler Sensor Kit**

- Sensor ensures safe operation for systems equipped with R-454B refrigerant
- Indoor sensor will detect any R-454B refrigerant

**NOTE** - Sensor must be repositioned for horizontal-right, horizontal-left, and downflow applications.

**Blower Control Board**

- Connected to the RDS sensor
- Used as interface between indoor unit and thermostat
- to control system
- Ensures safe operation for systems equipped with R-454B refrigerant
- If R-454B refrigerant is detected, the refrigerant detection system will stop compressor and/or heating operation and operate the blower to reduce concentrations in the conditioned space
- Once safe levels are reached the HVAC system will resume normal operation
- Multi-color LED for system status and as an aid in troubleshooting
- Flashing LED codes for system status (Green/Blue) and diagnosing Sensor errors (Red)
- Alarm relay can trigger an external alarm if R-454B refrigerant is detected
- Zone relay opens all zone dampers (if part of a zoning system) if R-454B refrigerant is detected
- Power is disabled to thermostat to prevent demand if R-454B refrigerant is detected
- On system start-up blower will run for five minutes and any thermostat demands are disabled

**NOTE** - Refer to the Installation Instructions for additional information.

## **BLOWER**

### **Programmable Variable Speed Blower Motor**

- High efficiency
- Maintains specified air volumes up to a maximum of 0.8 in. w.g. total external static
- Programmable operation is achieved by the use of an ECM (Electronically Commutated Motor) motor
- Allows cooling ramping profiles (field selectable) for enhanced dehumidification
- Motor accelerates and decelerates gradually, reducing start-up and shut-down sound
- Leadless blower motor features simple plug-in connections
- Motor is controlled by BDC3 Electronic Blower Control that allows blower to operate at two of eight air volumes or speeds available
- Blower speeds may be field selected on blower control depending on size of air handler and air volume desired

### **Blower Assembly**

- Each blower is statically and dynamically balanced as an assembly before installation in the unit
- Blower motor is resiliently mounted to blower assembly
- Blower slides out of cabinet for servicing

## **CONTROLS**

### **BDC3 Electronic Blower Control**

- Controls evaporator humidity by controlling blower and compressor staging on two-stage outdoor units
- Two Stages - **HEAT** and **COOL** (with four different air volume selections for each) are made by simple jumper pins on board
- **ADJUST** jumper pin allows approximately 10% higher, normal or 10% lower motor speed selection within **HEAT** and **COOL** speeds selected for fine tuning air volume
- **DELAY** jumper pin allows selection of four different blower motor de-humidification profiles during cooling mode:
  - **Option 1** - Motor runs at 100% of capacity until demand met. Once demand is met, motor ramps down to stop.
  - **Option 2** - Motor runs at 100% until demand is met. Once demand is satisfied, motor runs at 100% for 60 seconds then ramps down to stop
  - **Option 3** - Motor runs at 82% of capacity for approximately 7-1/2 minutes, then 100% capacity (if needed) until demand is satisfied. Once demand is met, motor ramps down to stop
  - **Option 4** - Motor runs at 50% capacity for 30 seconds, then 82% capacity for approximately 7-1/2 minutes. If demand is not satisfied, motor runs at 100% capacity until demand is met. Once demand is met, motor runs at 50% capacity for 30 seconds, then ramps down to stop
- Two diagnostic indicator lights, "**CFM**" and "**RUN**" assist in servicing
- Control is factory installed in the unit control box

## **CABINET**

- Constructed of heavy gauge galvanized steel
- Pre-painted cabinet finish
- Completely insulated with foil faced fiberglass insulation
- Removable panels provide complete service access
- Filter access door for easy filter replacement
- Thumbscrews hold filter door in place
- Electrical inlets provided in sides and top of cabinet
- See dimension drawing for locations
- Plugs in cabinet for drain connections for upflow (left and right) and horizontal applications
- See dimension drawing

### **Low Leakage Cabinet**

- All models have less than 2% air leakage and meet **ANSI/ASHRAE Standard 193-2010** "Method of Test for Determining the Air Tightness of HVAC Equipment"

### **Upflow/Horizontal Capability (Optional Downflow)**

- Shipped for upflow and horizontal right-hand discharge
- May be field converted to horizontal left-hand air discharge by repositioning horizontal drain pan
- Optional downflow kit required for field conversion

**CABINET (CONT)****Anti-Microbial Dual Position Drain Pans**

- Anti-Microbial additive resists growth of mold and mildew on drain pan which improves indoor air quality and reduces drain line blockage
- Drain pans designed for upflow or horizontal applications
- Deep, corrosion resistant high temperature engineered polymer drain pans have dual pipe drains
- See dimension drawing

**Filter**

- Disposable 1 inch filter is furnished
- Filter rack furnished in cabinet for easy filter installation
- See Specifications tables for filter sizes

**Transformer**

- 24 volt transformer and blower cooling relay furnished as standard
- Factory installed in the unit control box

**Optional Accessories****Downflow Conversion Kit**

- Required for field conversion to downflow position
- Kit consists of insulated downflow drain pan, insulated drain pan drip shields, coil drip shields, seal plates and support brackets for repositioning coil and drain pan

**Horizontal Support Frame Kit**

- Provides support of unit in horizontal applications
- Consists of (2) 1 x 1-1/2 x 32-5/8 in. and (2) 1 x 3 x 53-7/8 in. painted heavy gauge cold rolled steel support channels with assembly and suspending holes
- Bolts and nuts furnished for field assembly
- Suspending rods must be field provided

**Side Return Unit Stand (Upflow Only)**

- Raises unit 16 in. above floor for side return air duct connection
- Eliminates need for wooden platform construction
- All aluminum construction
- Two adjustable frames fit all sizes

## **OPTIONAL ELECTRIC HEAT**

- ETL listed
- Field install internal to unit cabinet
- Available in several kW sizes
- See Electric Heat tables
- Helix wound nichrome heating elements exposed directly in air stream resulting in instant heat transfer, low element temperatures and long service life
- Each element equipped with accurately located limit control with fixed temperature off setting and automatic reset
- Thermal sequencer relay brings elements on and off line, in sequence and equal increments, with time delay between each
- Initiates and terminates blower operation
- Heating control relay(s) furnished as standard
- Factory assembled with controls installed and wired
- Electric heat control wiring plugs into mating connector on air handler unit

### **Circuit Breaker (CB) Models**

- All "CB" model heaters are equipped with circuit breakers for overload and short circuit protection
- Factory wired and mounted on electric heat unit
- Current sensitive and temperature actuated
- Manual reset
- Flexible plastic circuit breaker cover protects circuit breaker in areas with high humidity or unconditioned areas to prevent nuisance tripping
- Circuit breakers qualify as disconnect means at unit in many areas, eliminate the need for field provided disconnect
- Consult local electrical code in your area

## **Optional Accessories**

### **Single-Point Power Source Control Box**

- Control Box may be used with optional electric heat when single power supply is connected to multi-circuit electric heat
- Field installs external to the unit cabinet on either side or top
- Constructed of heavy gauge steel, baked enamel finish, pre-punched mounting holes, electrical inlet knockouts, and terminal strip
- Removeable cover provides easy access
- Dimensions (H x W x D) - 7 x 7 x 4 in.

| SPECIFICATIONS                                                 |                                      |              |            |             |
|----------------------------------------------------------------|--------------------------------------|--------------|------------|-------------|
| Size                                                           | 018                                  | 024          | 030        | 036         |
| Nominal Tonnage                                                | 1.5                                  | 2            | 2.5        | 3           |
| Refrigerant Type                                               | R-454B                               |              |            |             |
| Connections                                                    | Liquid line (OD) sweat - in.         | 3/8          |            |             |
|                                                                | Suction line (OD) sweat - in.        | 3/4          |            | 7/8         |
|                                                                | Condensate drain (FPT) - in.         | (2) 3/4      |            |             |
| Indoor Coil                                                    | Net face area - ft. <sup>2</sup>     | 3.30         | 3.77       | 4.72        |
|                                                                | Tube diameter - in.                  | 3/8          |            |             |
|                                                                | Rows                                 | 3            |            |             |
|                                                                | Fins - in.                           | 15           |            |             |
| Blower                                                         | HP                                   | 1/2          |            |             |
|                                                                | Wheel nominal diameter x width - in. | 9 x 6        |            | 10 x 8      |
|                                                                | Air volume range - cfm               | 320 - 1150   | 280 - 1120 | 411 - 1340  |
| <sup>1</sup> Filters                                           | Size - in.                           | 15 x 20 x 1  |            | 18 x 20 x 1 |
| Shipping Data - lbs.                                           | 129                                  | 136          | 143        | 169         |
| ELECTRICAL DATA                                                |                                      |              |            |             |
| Line voltage data (Volts-Phase-Hz)                             |                                      | 208/230-1-60 |            |             |
| <sup>2</sup> Maximum overcurrent protection (MOCP) amps (unit) |                                      | 15           |            |             |
| <sup>3</sup> Minimum circuit ampacity (MCA) (unit)             |                                      | 4.9          |            |             |
| Blower Motor Full Load Amps                                    |                                      | 3.9          |            |             |

| SPECIFICATIONS                                                 |                                      |              |            |            |
|----------------------------------------------------------------|--------------------------------------|--------------|------------|------------|
| Size                                                           |                                      | 042          | 048        | 060        |
| Nominal Tonnage                                                |                                      | 3.5          | 4          | 5          |
| Refrigerant Type                                               |                                      | R-454B       |            |            |
| Connections                                                    | Liquid line (OD) sweat - in.         | 3/8          |            |            |
|                                                                | Suction line (OD) sweat - in.        | 7/8          |            |            |
|                                                                | Condensate drain (FPT) - in.         | (2) 3/4      |            |            |
| Indoor Coil                                                    | Net face area - ft. <sup>2</sup>     | 5.66         | 6.13       | 7.08       |
|                                                                | Tube diameter - in.                  | 3/8          |            |            |
|                                                                | Rows                                 | 3            |            |            |
|                                                                | Fins - in.                           | 15           |            |            |
| Blower                                                         | HP                                   | 1            |            |            |
|                                                                | Wheel nominal diameter x width - in. | 10 x 8       | 12 x 10    |            |
|                                                                | Air volume range - cfm               | 670 - 1810   | 790 - 2185 | 895 - 2190 |
| <sup>1</sup> Filters                                           | Size - in.                           | 18 x 20 x 1  |            |            |
| Shipping Data - lbs.                                           |                                      | 169          | 179        | 190        |
| ELECTRICAL DATA                                                |                                      |              |            |            |
| Line voltage data (Volts-Phase-Hz)                             |                                      | 208/230-1-60 |            |            |
| <sup>2</sup> Maximum overcurrent protection (MOCP) amps (unit) |                                      | 15           |            |            |
| <sup>3</sup> Minimum circuit ampacity (MCA) (unit)             |                                      | 9.3          |            |            |
| Blower Motor Full Load Amps                                    |                                      | 7.4          |            |            |

<sup>1</sup> Disposable filter.<sup>2</sup> HACR type circuit breaker or fuse.<sup>3</sup> Refer to National or Canadian Electrical Code manual to determine wire, fuse and disconnect size requirements. Use wires suitable for at least 167°F.

**OPTIONAL ACCESSORIES - ORDER SEPARATELY**

| Description                                               | 018, 024, 030                                   | 036, 042, 048, 060 |
|-----------------------------------------------------------|-------------------------------------------------|--------------------|
| Downflow Conversion Kit                                   | Y9658                                           | Y9659              |
| Electric Heat                                             | See Electric Heat Data Tables on <b>Page 20</b> |                    |
| Horizontal Support Frame Kit                              | 56J18                                           | 56J18              |
| Side Return Unit Stand (Upflow Only)                      | 45K32                                           | 45K32              |
| Single-Point Power Source Control Box (for Electric Heat) | 21H39                                           | 21H39              |

**REPLACEMENT CIRCUIT BREAKERS**

| Voltage            | Description    | Order Number |
|--------------------|----------------|--------------|
| 208/240V - 1 Phase | 25 amp, 2 pole | 41K13        |
|                    | 30 amp, 2 pole | 17K70        |
|                    | 35 amp, 2 pole | 72K07        |
|                    | 40 amp, 2 pole | 49K14        |
|                    | 45 amp, 2 pole | 17K71        |
|                    | 50 amp, 2 pole | 41K12        |
|                    | 60 amp, 2 pole | 17K72        |

**INSTALLATION CLEARANCES WITH ELECTRIC HEAT**

|                       |             |
|-----------------------|-------------|
| Cabinet               | 0 in (0 mm) |
| To Plenum             | 0 in (0 mm) |
| To Outlet Duct        | 0 in (0 mm) |
| Floor                 | 0 in (0 mm) |
| Service / Maintenance | See Note #1 |

<sup>1</sup> Front service access - 24 inches (610 mm) minimum.

**NOTE** - If cabinet depth is more than 24 inches (610 mm), allow a minimum of the cabinet depth plus 2 inches (51 mm).

## BLOWER DATA

### NAM18V1TA5S BLOWER PERFORMANCE

0 through 0.80 in. w.g. External Static Pressure Range

| "ADJUST"<br>Jumper<br>Setting | Jumper Speed Positions |     |     |      |                          |     |     |     |                           |     |     |      |
|-------------------------------|------------------------|-----|-----|------|--------------------------|-----|-----|-----|---------------------------|-----|-----|------|
|                               | "HEAT" Speed           |     |     |      | First Stage "COOL" Speed |     |     |     | Second Stage "COOL" Speed |     |     |      |
|                               | 1                      | 2   | 3   | 4    | 1                        | 2   | 3   | 4   | 1                         | 2   | 3   | 4    |
|                               | cfm                    | cfm | cfm | cfm  | cfm                      | cfm | cfm | cfm | cfm                       | cfm | cfm | cfm  |
| +                             | 500                    | 705 | 925 | 1150 | 365                      | 520 | 665 | 810 | 500                       | 705 | 925 | 1150 |
| NORM                          | 465                    | 650 | 850 | 1050 | 350                      | 485 | 610 | 740 | 465                       | 650 | 850 | 1050 |
| -                             | 420                    | 600 | 760 | 950  | 320                      | 425 | 560 | 680 | 420                       | 600 | 760 | 950  |

NOTES - All air data measured external to unit with dry coil and 1 inch non-pleated air filter in place. Electric heaters have no appreciable air resistance.  
First stage cooling air volume is 70% of COOL speed setting. Continuous blower speed is approximately 50% of COOL speed setting.  
Allied LZSV Variable Zoning System applications - minimum blower speed is 250 cfm.

### NAM18V1TA5S BLOWER MOTOR WATTS

| AT "+" (Plus) SETTING ("Adjust" Jumper at "+" Setting) |       |                                                           |     |     |     |     |     |     |     |
|--------------------------------------------------------|-------|-----------------------------------------------------------|-----|-----|-----|-----|-----|-----|-----|
| Jumper Speed Positions                                 |       | Motor Watts @ Various External Static Pressures - in. wg. |     |     |     |     |     |     |     |
|                                                        |       | 0.1                                                       | 0.2 | 0.3 | 0.4 | 0.5 | 0.6 | 0.7 | 0.8 |
| "HEAT"<br>Speed                                        | Tap 1 | 46                                                        | 61  | 74  | 86  | 99  | 111 | 124 | 138 |
|                                                        | Tap 2 | 97                                                        | 115 | 132 | 145 | 162 | 178 | 196 | 213 |
|                                                        | Tap 3 | 185                                                       | 205 | 229 | 245 | 268 | 282 | 300 | 316 |
|                                                        | Tap 4 | 340                                                       | 366 | 392 | 417 | 439 | 459 | 488 | 488 |
| First Stage<br>"COOL"<br>Speed                         | Tap 1 | 30                                                        | 41  | 51  | 59  | 69  | 81  | 92  | 106 |
|                                                        | Tap 2 | 50                                                        | 66  | 80  | 90  | 105 | 118 | 126 | 142 |
|                                                        | Tap 3 | 87                                                        | 106 | 116 | 135 | 148 | 167 | 178 | 192 |
|                                                        | Tap 4 | 141                                                       | 161 | 181 | 201 | 215 | 228 | 247 | 262 |
| Second<br>Stage<br>"COOL"<br>Speed                     | Tap 1 | 46                                                        | 61  | 74  | 86  | 99  | 111 | 124 | 138 |
|                                                        | Tap 2 | 97                                                        | 115 | 132 | 145 | 162 | 178 | 196 | 213 |
|                                                        | Tap 3 | 185                                                       | 205 | 229 | 245 | 268 | 282 | 300 | 316 |
|                                                        | Tap 4 | 340                                                       | 366 | 392 | 417 | 439 | 459 | 488 | 488 |

| AT "NORM" SETTING ("Adjust" Jumper at NORM Setting) |       |                                                           |     |     |     |     |     |     |     |
|-----------------------------------------------------|-------|-----------------------------------------------------------|-----|-----|-----|-----|-----|-----|-----|
| Jumper Speed Positions                              |       | Motor Watts @ Various External Static Pressures - in. wg. |     |     |     |     |     |     |     |
|                                                     |       | 0.1                                                       | 0.2 | 0.3 | 0.4 | 0.5 | 0.6 | 0.7 | 0.8 |
| "HEAT"<br>Speed                                     | Tap 1 | 40                                                        | 55  | 66  | 80  | 93  | 101 | 115 | 128 |
|                                                     | Tap 2 | 82                                                        | 100 | 113 | 125 | 144 | 157 | 176 | 183 |
|                                                     | Tap 3 | 146                                                       | 170 | 191 | 207 | 224 | 238 | 259 | 276 |
|                                                     | Tap 4 | 259                                                       | 290 | 314 | 330 | 352 | 369 | 391 | 415 |
| First Stage<br>"COOL"<br>Speed                      | Tap 1 | 28                                                        | 37  | 46  | 58  | 67  | 79  | 89  | 102 |
|                                                     | Tap 2 | 45                                                        | 59  | 70  | 85  | 96  | 107 | 119 | 133 |
|                                                     | Tap 3 | 74                                                        | 88  | 102 | 120 | 132 | 145 | 161 | 171 |
|                                                     | Tap 4 | 115                                                       | 131 | 147 | 162 | 185 | 195 | 210 | 229 |
| Second<br>Stage<br>"COOL"<br>Speed                  | Tap 1 | 40                                                        | 55  | 66  | 80  | 93  | 101 | 115 | 128 |
|                                                     | Tap 2 | 82                                                        | 100 | 113 | 125 | 144 | 157 | 176 | 183 |
|                                                     | Tap 3 | 146                                                       | 170 | 191 | 207 | 224 | 238 | 259 | 276 |
|                                                     | Tap 4 | 259                                                       | 290 | 314 | 330 | 352 | 369 | 391 | 415 |

## NAM18V1TA5S BLOWER MOTOR WATTS

| AT “-” (Minus) SETTING (“Adjust” Jumper at “-” Setting) |       |                                                           |     |     |     |     |     |     |     |
|---------------------------------------------------------|-------|-----------------------------------------------------------|-----|-----|-----|-----|-----|-----|-----|
| Jumper Speed Positions                                  |       | Motor Watts @ Various External Static Pressures - in. wg. |     |     |     |     |     |     |     |
|                                                         |       | 0.1                                                       | 0.2 | 0.3 | 0.4 | 0.5 | 0.6 | 0.7 | 0.8 |
| “HEAT” Speed                                            | Tap 1 | 33                                                        | 43  | 56  | 65  | 77  | 88  | 96  | 112 |
|                                                         | Tap 2 | 65                                                        | 80  | 93  | 113 | 126 | 140 | 151 | 164 |
|                                                         | Tap 3 | 119                                                       | 140 | 153 | 169 | 185 | 206 | 220 | 236 |
|                                                         | Tap 4 | 195                                                       | 219 | 237 | 261 | 281 | 296 | 320 | 338 |
| First Stage “COOL” Speed                                | Tap 1 | 23                                                        | 35  | 43  | 52  | 63  | 73  | 85  | 96  |
|                                                         | Tap 2 | 37                                                        | 45  | 54  | 70  | 76  | 86  | 99  | 110 |
|                                                         | Tap 3 | 59                                                        | 73  | 86  | 102 | 113 | 128 | 140 | 152 |
|                                                         | Tap 4 | 88                                                        | 102 | 119 | 137 | 154 | 165 | 185 | 201 |
| Second Stage “COOL” Speed                               | Tap 1 | 33                                                        | 43  | 56  | 65  | 77  | 88  | 96  | 112 |
|                                                         | Tap 2 | 65                                                        | 80  | 93  | 113 | 126 | 140 | 151 | 164 |
|                                                         | Tap 3 | 119                                                       | 140 | 153 | 169 | 185 | 206 | 220 | 236 |
|                                                         | Tap 4 | 195                                                       | 219 | 237 | 261 | 281 | 296 | 320 | 338 |

## NAM24V1TA5S BLOWER PERFORMANCE

0 through 0.80 in. w.g. External Static Pressure Range

| “ADJUST” Jumper Setting | Jumper Speed Positions |     |     |      |                          |     |     |     |                           |     |     |      |
|-------------------------|------------------------|-----|-----|------|--------------------------|-----|-----|-----|---------------------------|-----|-----|------|
|                         | “HEAT” Speed           |     |     |      | First Stage “COOL” Speed |     |     |     | Second Stage “COOL” Speed |     |     |      |
|                         | 1                      | 2   | 3   | 4    | 1                        | 2   | 3   | 4   | 1                         | 2   | 3   | 4    |
|                         | cfm                    | cfm | cfm | cfm  | cfm                      | cfm | cfm | cfm | cfm                       | cfm | cfm | cfm  |
| +                       | 450                    | 670 | 900 | 1120 | 340                      | 450 | 650 | 770 | 450                       | 670 | 900 | 1120 |
| NORM                    | 420                    | 620 | 820 | 1050 | 300                      | 400 | 600 | 700 | 420                       | 620 | 820 | 1050 |
| -                       | 390                    | 570 | 750 | 915  | 280                      | 390 | 500 | 650 | 390                       | 570 | 750 | 915  |

NOTES - All air data measured external to unit with dry coil and 1 inch non-pleated air filter in place. Electric heaters have no appreciable air resistance.  
 First stage cooling air volume is 70% of COOL speed setting. Continuous blower speed is approximately 50% of COOL speed setting.  
 Allied LZSV Variable Zoning System applications - minimum blower speed is 250 cfm.

## NAM24V1TA5S BLOWER MOTOR WATTS

| AT “+” (Plus) SETTING (“Adjust” Jumper at “+” Setting) |       |                                                           |     |     |     |     |     |     |     |
|--------------------------------------------------------|-------|-----------------------------------------------------------|-----|-----|-----|-----|-----|-----|-----|
| Jumper Speed Positions                                 |       | Motor Watts @ Various External Static Pressures - in. wg. |     |     |     |     |     |     |     |
|                                                        |       | 0.1                                                       | 0.2 | 0.3 | 0.4 | 0.5 | 0.6 | 0.7 | 0.8 |
| “HEAT” Speed                                           | Tap 1 | 40                                                        | 50  | 60  | 74  | 86  | 95  | 112 | 124 |
|                                                        | Tap 2 | 82                                                        | 100 | 116 | 136 | 151 | 163 | 185 | 197 |
|                                                        | Tap 3 | 173                                                       | 190 | 213 | 236 | 257 | 283 | 300 | 316 |
|                                                        | Tap 4 | 290                                                       | 318 | 339 | 363 | 379 | 407 | 447 | 463 |
| First Stage “COOL” Speed                               | Tap 1 | 27                                                        | 37  | 46  | 57  | 68  | 76  | 88  | 104 |
|                                                        | Tap 2 | 41                                                        | 54  | 62  | 75  | 87  | 97  | 108 | 121 |
|                                                        | Tap 3 | 75                                                        | 94  | 109 | 127 | 145 | 161 | 173 | 191 |
|                                                        | Tap 4 | 113                                                       | 133 | 146 | 168 | 189 | 205 | 222 | 244 |
| Second Stage “COOL” Speed                              | Tap 1 | 40                                                        | 50  | 60  | 74  | 86  | 95  | 112 | 124 |
|                                                        | Tap 2 | 82                                                        | 100 | 116 | 136 | 151 | 163 | 185 | 197 |
|                                                        | Tap 3 | 173                                                       | 190 | 213 | 236 | 257 | 283 | 300 | 316 |
|                                                        | Tap 4 | 290                                                       | 318 | 339 | 363 | 379 | 407 | 447 | 463 |

## NAM24V1TA5S BLOWER MOTOR WATTS

| AT "NORM" SETTING ("Adjust" Jumper at NORM Setting)         |       |                                                           |     |     |     |     |     |     |     |
|-------------------------------------------------------------|-------|-----------------------------------------------------------|-----|-----|-----|-----|-----|-----|-----|
| Jumper Speed Positions                                      |       | Motor Watts @ Various External Static Pressures - in. wg. |     |     |     |     |     |     |     |
|                                                             |       | 0.1                                                       | 0.2 | 0.3 | 0.4 | 0.5 | 0.6 | 0.7 | 0.8 |
| "HEAT"<br>Speed                                             | Tap 1 | 33                                                        | 45  | 57  | 68  | 78  | 89  | 101 | 115 |
|                                                             | Tap 2 | 64                                                        | 81  | 96  | 113 | 132 | 145 | 159 | 179 |
|                                                             | Tap 3 | 133                                                       | 152 | 172 | 190 | 211 | 231 | 252 | 270 |
|                                                             | Tap 4 | 253                                                       | 278 | 307 | 325 | 348 | 374 | 397 | 415 |
| First Stage<br>"COOL"<br>Speed                              | Tap 1 | 26                                                        | 36  | 39  | 52  | 62  | 73  | 93  | 102 |
|                                                             | Tap 2 | 37                                                        | 45  | 57  | 66  | 76  | 90  | 100 | 113 |
|                                                             | Tap 3 | 62                                                        | 80  | 94  | 108 | 123 | 135 | 152 | 171 |
|                                                             | Tap 4 | 88                                                        | 108 | 128 | 145 | 162 | 181 | 195 | 214 |
| Second<br>Stage<br>"COOL"<br>Speed                          | Tap 1 | 33                                                        | 45  | 57  | 68  | 78  | 89  | 101 | 115 |
|                                                             | Tap 2 | 64                                                        | 81  | 96  | 113 | 132 | 145 | 159 | 179 |
|                                                             | Tap 3 | 133                                                       | 152 | 172 | 190 | 211 | 231 | 252 | 270 |
|                                                             | Tap 4 | 253                                                       | 278 | 307 | 325 | 348 | 374 | 397 | 415 |
| AT " - " (Minus) SETTING ("Adjust" Jumper at " - " Setting) |       |                                                           |     |     |     |     |     |     |     |
| Jumper Speed Positions                                      |       | Motor Watts @ Various External Static Pressures - in. wg. |     |     |     |     |     |     |     |
|                                                             |       | 0.1                                                       | 0.2 | 0.3 | 0.4 | 0.5 | 0.6 | 0.7 | 0.8 |
| "HEAT"<br>Speed                                             | Tap 1 | 30                                                        | 43  | 54  | 62  | 73  | 84  | 97  | 109 |
|                                                             | Tap 2 | 52                                                        | 71  | 87  | 99  | 117 | 128 | 145 | 157 |
|                                                             | Tap 3 | 100                                                       | 118 | 138 | 161 | 179 | 193 | 204 | 228 |
|                                                             | Tap 4 | 167                                                       | 185 | 206 | 230 | 256 | 280 | 295 | 316 |
| First Stage<br>"COOL"<br>Speed                              | Tap 1 | 23                                                        | 29  | 42  | 48  | 60  | 75  | 88  | 93  |
|                                                             | Tap 2 | 31                                                        | 39  | 54  | 62  | 76  | 86  | 96  | 105 |
|                                                             | Tap 3 | 46                                                        | 56  | 70  | 84  | 93  | 107 | 115 | 133 |
|                                                             | Tap 4 | 72                                                        | 87  | 105 | 121 | 141 | 158 | 175 | 188 |
| Second<br>Stage<br>"COOL"<br>Speed                          | Tap 1 | 30                                                        | 43  | 54  | 62  | 73  | 84  | 97  | 109 |
|                                                             | Tap 2 | 52                                                        | 71  | 87  | 99  | 117 | 128 | 145 | 157 |
|                                                             | Tap 3 | 100                                                       | 118 | 138 | 161 | 179 | 193 | 204 | 228 |
|                                                             | Tap 4 | 167                                                       | 185 | 206 | 230 | 256 | 280 | 295 | 316 |

## NAM30V1TA5S BLOWER PERFORMANCE

0 through 0.80 in. w.g. External Static Pressure Range

| "ADJUST"<br>Jumper<br>Setting                                                                                                                                                                                                                                                                                                                                                                  | Jumper Speed Positions |     |      |      |                          |     |     |     |                           |     |      |      |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|-----|------|------|--------------------------|-----|-----|-----|---------------------------|-----|------|------|
|                                                                                                                                                                                                                                                                                                                                                                                                | "HEAT" Speed           |     |      |      | First Stage "COOL" Speed |     |     |     | Second Stage "COOL" Speed |     |      |      |
|                                                                                                                                                                                                                                                                                                                                                                                                | 1                      | 2   | 3    | 4    | 1                        | 2   | 3   | 4   | 1                         | 2   | 3    | 4    |
|                                                                                                                                                                                                                                                                                                                                                                                                | cfm                    | cfm | cfm  | cfm  | cfm                      | cfm | cfm | cfm | cfm                       | cfm | cfm  | cfm  |
| +                                                                                                                                                                                                                                                                                                                                                                                              | 680                    | 885 | 1115 | 1340 | 490                      | 635 | 770 | 930 | 680                       | 885 | 1115 | 1340 |
| NORM                                                                                                                                                                                                                                                                                                                                                                                           | 620                    | 810 | 1020 | 1220 | 440                      | 575 | 715 | 845 | 620                       | 810 | 1020 | 1220 |
| -                                                                                                                                                                                                                                                                                                                                                                                              | 550                    | 725 | 905  | 1100 | 411                      | 530 | 645 | 755 | 550                       | 725 | 905  | 1100 |
| <b>NOTES</b> - All air data measured external to unit with dry coil and 1 inch non-pleated air filter in place. Electric heaters have no appreciable air resistance.<br>First stage cooling air volume is 70% of COOL speed setting. Continuous blower speed is approximately 50% of COOL speed setting.<br>Allied LZSV Variable Zoning System applications - minimum blower speed is 250 cfm. |                        |     |      |      |                          |     |     |     |                           |     |      |      |

## NAM30V1TA5S BLOWER MOTOR WATTS

| AT "+" (PLUS) SETTING ("Adjust" Jumper at "+" Setting)  |       |                                                           |     |     |     |     |     |     |     |
|---------------------------------------------------------|-------|-----------------------------------------------------------|-----|-----|-----|-----|-----|-----|-----|
| Jumper Speed Positions                                  |       | Motor Watts @ Various External Static Pressures - in. wg. |     |     |     |     |     |     |     |
|                                                         |       | 0.1                                                       | 0.2 | 0.3 | 0.4 | 0.5 | 0.6 | 0.7 | 0.8 |
| "HEAT"<br>Speed                                         | Tap 1 | 64                                                        | 81  | 108 | 136 | 153 | 201 | 210 | 246 |
|                                                         | Tap 2 | 120                                                       | 136 | 162 | 182 | 198 | 221 | 246 | 286 |
|                                                         | Tap 3 | 210                                                       | 231 | 259 | 280 | 303 | 323 | 248 | 376 |
|                                                         | Tap 4 | 367                                                       | 392 | 420 | 452 | 486 | 506 | 210 | 520 |
| First Stage<br>"COOL"<br>Speed                          | Tap 1 | 32                                                        | 52  | 70  | 88  | 96  | 120 | 148 | 172 |
|                                                         | Tap 2 | 50                                                        | 72  | 91  | 115 | 143 | 177 | 200 | 215 |
|                                                         | Tap 3 | 87                                                        | 102 | 120 | 142 | 170 | 195 | 227 | 243 |
|                                                         | Tap 4 | 128                                                       | 151 | 176 | 196 | 213 | 239 | 259 | 294 |
| Second<br>Stage<br>"COOL"<br>Speed                      | Tap 1 | 64                                                        | 81  | 108 | 136 | 153 | 201 | 210 | 246 |
|                                                         | Tap 2 | 120                                                       | 136 | 162 | 182 | 198 | 221 | 246 | 286 |
|                                                         | Tap 3 | 210                                                       | 231 | 259 | 280 | 303 | 323 | 248 | 376 |
|                                                         | Tap 4 | 367                                                       | 392 | 420 | 452 | 486 | 506 | 210 | 520 |
| AT "NORM" SETTING ("Adjust" Jumper at NORM Setting)     |       |                                                           |     |     |     |     |     |     |     |
| Jumper Speed Positions                                  |       | Motor Watts @ Various External Static Pressures - in. wg. |     |     |     |     |     |     |     |
|                                                         |       | 0.1                                                       | 0.2 | 0.3 | 0.4 | 0.5 | 0.6 | 0.7 | 0.8 |
| "HEAT"<br>Speed                                         | Tap 1 | 55                                                        | 70  | 94  | 118 | 148 | 171 | 198 | 209 |
|                                                         | Tap 2 | 91                                                        | 113 | 132 | 151 | 177 | 201 | 222 | 242 |
|                                                         | Tap 3 | 167                                                       | 187 | 209 | 230 | 252 | 279 | 304 | 331 |
|                                                         | Tap 4 | 268                                                       | 304 | 329 | 354 | 380 | 403 | 431 | 451 |
| First Stage<br>"COOL"<br>Speed                          | Tap 1 | 30                                                        | 47  | 64  | 73  | 95  | 113 | 121 | 133 |
|                                                         | Tap 2 | 46                                                        | 67  | 87  | 119 | 140 | 151 | 163 | 187 |
|                                                         | Tap 3 | 75                                                        | 91  | 113 | 138 | 164 | 196 | 228 | 267 |
|                                                         | Tap 4 | 104                                                       | 125 | 142 | 158 | 187 | 215 | 244 | 265 |
| Second<br>Stage<br>"COOL"<br>Speed                      | Tap 1 | 55                                                        | 70  | 94  | 118 | 148 | 171 | 198 | 209 |
|                                                         | Tap 2 | 91                                                        | 113 | 132 | 151 | 177 | 201 | 222 | 242 |
|                                                         | Tap 3 | 167                                                       | 187 | 209 | 230 | 252 | 279 | 304 | 331 |
|                                                         | Tap 4 | 268                                                       | 304 | 329 | 354 | 380 | 403 | 431 | 451 |
| AT "-" (Minus) SETTING ("Adjust" Jumper at "-" Setting) |       |                                                           |     |     |     |     |     |     |     |
| Jumper Speed Positions                                  |       | Motor Watts @ Various External Static Pressures - in. wg. |     |     |     |     |     |     |     |
|                                                         |       | 0.1                                                       | 0.2 | 0.3 | 0.4 | 0.5 | 0.6 | 0.7 | 0.8 |
| "HEAT"<br>Speed                                         | Tap 1 | 47                                                        | 59  | 78  | 108 | 126 | 150 | 158 | 189 |
|                                                         | Tap 2 | 72                                                        | 89  | 111 | 130 | 157 | 193 | 214 | 241 |
|                                                         | Tap 3 | 128                                                       | 144 | 162 | 180 | 200 | 216 | 254 | 284 |
|                                                         | Tap 4 | 194                                                       | 223 | 247 | 268 | 292 | 317 | 247 | 368 |
| First Stage<br>"COOL"<br>Speed                          | Tap 1 | 30                                                        | 42  | 56  | 68  | 86  | 104 | 119 | 132 |
|                                                         | Tap 2 | 45                                                        | 57  | 84  | 97  | 113 | 132 | 157 | 181 |
|                                                         | Tap 3 | 67                                                        | 75  | 99  | 129 | 161 | 184 | 208 | 247 |
|                                                         | Tap 4 | 85                                                        | 101 | 120 | 138 | 163 | 197 | 234 | 153 |
| Second<br>Stage<br>"COOL"<br>Speed                      | Tap 1 | 47                                                        | 59  | 78  | 108 | 126 | 150 | 158 | 189 |
|                                                         | Tap 2 | 72                                                        | 89  | 111 | 130 | 157 | 193 | 214 | 241 |
|                                                         | Tap 3 | 128                                                       | 144 | 162 | 180 | 200 | 216 | 254 | 284 |
|                                                         | Tap 4 | 194                                                       | 223 | 247 | 268 | 292 | 317 | 247 | 368 |

**NAM36V1TA5S BLOWER PERFORMANCE**

0 through 0.80 in. w.g. External Static Pressure Range

| “ADJUST”<br>Jumper<br>Setting                                                                                                                                                                                                                                                                                                                                                                  | Jumper Speed Positions |      |      |      |                          |     |     |      |                           |      |      |      |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|------|------|------|--------------------------|-----|-----|------|---------------------------|------|------|------|
|                                                                                                                                                                                                                                                                                                                                                                                                | “HEAT” Speed           |      |      |      | First Stage “COOL” Speed |     |     |      | Second Stage “COOL” Speed |      |      |      |
|                                                                                                                                                                                                                                                                                                                                                                                                | 1                      | 2    | 3    | 4    | 1                        | 2   | 3   | 4    | 1                         | 2    | 3    | 4    |
|                                                                                                                                                                                                                                                                                                                                                                                                | cfm                    | cfm  | cfm  | cfm  | cfm                      | cfm | cfm | cfm  | cfm                       | cfm  | cfm  | cfm  |
| +                                                                                                                                                                                                                                                                                                                                                                                              | 930                    | 1155 | 1390 | 1530 | 640                      | 815 | 970 | 1150 | 930                       | 1155 | 1390 | 1530 |
| NORM                                                                                                                                                                                                                                                                                                                                                                                           | 830                    | 1050 | 1260 | 1450 | 590                      | 725 | 875 | 1025 | 830                       | 1050 | 1260 | 1450 |
| –                                                                                                                                                                                                                                                                                                                                                                                              | 740                    | 940  | 1135 | 1330 | 545                      | 650 | 780 | 910  | 740                       | 940  | 1135 | 1330 |
| <b>NOTES</b> - All air data measured external to unit with dry coil and 1 inch non-pleated air filter in place. Electric heaters have no appreciable air resistance.<br>First stage cooling air volume is 70% of COOL speed setting. Continuous blower speed is approximately 50% of COOL speed setting.<br>Allied LZSV Variable Zoning System applications - minimum blower speed is 250 cfm. |                        |      |      |      |                          |     |     |      |                           |      |      |      |

**NAM36V1TA5S BLOWER MOTOR WATTS**

| AT “+” (Plus) SETTING (“Adjust” Jumper at “+” Setting) |       |                                                           |     |     |     |     |     |     |     |
|--------------------------------------------------------|-------|-----------------------------------------------------------|-----|-----|-----|-----|-----|-----|-----|
| Jumper Speed Positions                                 |       | Motor Watts @ Various External Static Pressures - in. wg. |     |     |     |     |     |     |     |
|                                                        |       | 0.1                                                       | 0.2 | 0.3 | 0.4 | 0.5 | 0.6 | 0.7 | 0.8 |
| “HEAT”<br>Speed                                        | Tap 1 | 111                                                       | 132 | 152 | 193 | 226 | 246 | 271 | 282 |
|                                                        | Tap 2 | 188                                                       | 215 | 242 | 271 | 295 | 327 | 391 | 412 |
|                                                        | Tap 3 | 298                                                       | 325 | 361 | 395 | 433 | 474 | 491 | 515 |
|                                                        | Tap 4 | 464                                                       | 503 | 516 | 537 | 526 | 527 | 529 | 522 |
| First Stage<br>“COOL”<br>Speed                         | Tap 1 | 53                                                        | 78  | 98  | 112 | 135 | 151 | 173 | 192 |
|                                                        | Tap 2 | 78                                                        | 101 | 118 | 149 | 173 | 191 | 217 | 237 |
|                                                        | Tap 3 | 115                                                       | 136 | 162 | 185 | 237 | 265 | 284 | 308 |
|                                                        | Tap 4 | 166                                                       | 196 | 228 | 252 | 284 | 303 | 361 | 399 |
| Second<br>Stage<br>“COOL”<br>Speed                     | Tap 1 | 111                                                       | 132 | 152 | 193 | 226 | 246 | 271 | 282 |
|                                                        | Tap 2 | 188                                                       | 215 | 242 | 271 | 295 | 327 | 391 | 412 |
|                                                        | Tap 3 | 298                                                       | 325 | 361 | 395 | 433 | 474 | 491 | 515 |
|                                                        | Tap 4 | 464                                                       | 503 | 516 | 537 | 526 | 527 | 529 | 522 |
| AT “NORM” SETTING (“Adjust” Jumper at NORM Setting)    |       |                                                           |     |     |     |     |     |     |     |
| Jumper Speed Positions                                 |       | Motor Watts @ Various External Static Pressures - in. wg. |     |     |     |     |     |     |     |
|                                                        |       | 0.1                                                       | 0.2 | 0.3 | 0.4 | 0.5 | 0.6 | 0.7 | 0.8 |
| “HEAT”<br>Speed                                        | Tap 1 | 79                                                        | 102 | 128 | 170 | 189 | 210 | 225 | 254 |
|                                                        | Tap 2 | 138                                                       | 165 | 191 | 219 | 243 | 300 | 328 | 347 |
|                                                        | Tap 3 | 225                                                       | 249 | 287 | 315 | 351 | 377 | 407 | 429 |
|                                                        | Tap 4 | 342                                                       | 384 | 425 | 456 | 510 | 531 | 533 | 525 |
| First Stage<br>“COOL”<br>Speed                         | Tap 1 | 41                                                        | 69  | 80  | 100 | 115 | 141 | 159 | 176 |
|                                                        | Tap 2 | 64                                                        | 80  | 114 | 136 | 155 | 169 | 197 | 214 |
|                                                        | Tap 3 | 241                                                       | 219 | 202 | 155 | 145 | 116 | 94  | 85  |
|                                                        | Tap 4 | 319                                                       | 296 | 258 | 211 | 189 | 163 | 138 | 123 |
| Second<br>Stage<br>“COOL”<br>Speed                     | Tap 1 | 79                                                        | 102 | 128 | 170 | 189 | 210 | 225 | 254 |
|                                                        | Tap 2 | 138                                                       | 165 | 191 | 219 | 243 | 300 | 328 | 347 |
|                                                        | Tap 3 | 225                                                       | 249 | 287 | 315 | 351 | 377 | 407 | 429 |
|                                                        | Tap 4 | 342                                                       | 384 | 425 | 456 | 510 | 531 | 533 | 525 |

## NAM36V1TA5S BLOWER MOTOR WATTS

| AT “-” (Minus) SETTING (“Adjust” Jumper at “-” Setting) |       |                                                           |     |     |     |     |     |     |     |
|---------------------------------------------------------|-------|-----------------------------------------------------------|-----|-----|-----|-----|-----|-----|-----|
| Jumper Speed Positions                                  |       | Motor Watts @ Various External Static Pressures - in. wg. |     |     |     |     |     |     |     |
|                                                         |       | 0.1                                                       | 0.2 | 0.3 | 0.4 | 0.5 | 0.6 | 0.7 | 0.8 |
| “HEAT”<br>Speed                                         | Tap 1 | 64                                                        | 81  | 119 | 142 | 161 | 184 | 194 | 219 |
|                                                         | Tap 2 | 111                                                       | 131 | 151 | 174 | 221 | 255 | 268 | 293 |
|                                                         | Tap 3 | 168                                                       | 199 | 222 | 248 | 287 | 304 | 359 | 396 |
|                                                         | Tap 4 | 249                                                       | 293 | 331 | 340 | 386 | 410 | 443 | 475 |
| First Stage<br>“COOL”<br>Speed                          | Tap 1 | 38                                                        | 59  | 79  | 90  | 107 | 121 | 139 | 170 |
|                                                         | Tap 2 | 49                                                        | 73  | 105 | 112 | 131 | 151 | 162 | 184 |
|                                                         | Tap 3 | 69                                                        | 90  | 122 | 149 | 170 | 197 | 207 | 229 |
|                                                         | Tap 4 | 105                                                       | 130 | 147 | 172 | 219 | 242 | 262 | 272 |
| Second<br>Stage<br>“COOL”<br>Speed                      | Tap 1 | 64                                                        | 81  | 119 | 142 | 161 | 184 | 194 | 219 |
|                                                         | Tap 2 | 111                                                       | 131 | 151 | 174 | 221 | 255 | 268 | 293 |
|                                                         | Tap 3 | 168                                                       | 199 | 222 | 248 | 287 | 304 | 359 | 396 |
|                                                         | Tap 4 | 249                                                       | 293 | 331 | 340 | 386 | 410 | 443 | 475 |

## NAM42V1TA5S BLOWER PERFORMANCE

0 through 0.80 in. w.g. External Static Pressure Range

| “ADJUST”<br>Jumper<br>Setting                                                                                                                                                                                                                                                                                                                                                           | Jumper Speed Positions |      |      |      |                          |     |      |      |                           |      |      |      |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|------|------|------|--------------------------|-----|------|------|---------------------------|------|------|------|
|                                                                                                                                                                                                                                                                                                                                                                                         | “HEAT” Speed           |      |      |      | First Stage “COOL” Speed |     |      |      | Second Stage “COOL” Speed |      |      |      |
|                                                                                                                                                                                                                                                                                                                                                                                         | 1                      | 2    | 3    | 4    | 1                        | 2   | 3    | 4    | 1                         | 2    | 3    | 4    |
|                                                                                                                                                                                                                                                                                                                                                                                         | cfm                    | cfm  | cfm  | cfm  | cfm                      | cfm | cfm  | cfm  | cfm                       | cfm  | cfm  | cfm  |
| +                                                                                                                                                                                                                                                                                                                                                                                       | 1130                   | 1370 | 1575 | 1810 | 780                      | 945 | 1110 | 1275 | 1130                      | 1370 | 1575 | 1810 |
| NORM                                                                                                                                                                                                                                                                                                                                                                                    | 1020                   | 1255 | 1440 | 1650 | 710                      | 860 | 1000 | 1160 | 1020                      | 1255 | 1440 | 1650 |
| -                                                                                                                                                                                                                                                                                                                                                                                       | 920                    | 1135 | 1300 | 1490 | 670                      | 780 | 910  | 1040 | 920                       | 1135 | 1300 | 1490 |
| NOTES - All air data measured external to unit with dry coil and 1 inch non-pleated air filter in place. Electric heaters have no appreciable air resistance.<br>First stage cooling air volume is 70% of COOL speed setting. Continuous blower speed is approximately 50% of COOL speed setting.<br>Allied LZSV Variable Zoning System applications - minimum blower speed is 450 cfm. |                        |      |      |      |                          |     |      |      |                           |      |      |      |

## NAM42V1TA5S BLOWER MOTOR WATTS

| AT “+” (Plus) SETTING (“Adjust” Jumper at “+” Setting) |       |                                                           |     |     |     |     |     |     |     |
|--------------------------------------------------------|-------|-----------------------------------------------------------|-----|-----|-----|-----|-----|-----|-----|
| Jumper Speed Positions                                 |       | Motor Watts @ Various External Static Pressures - in. wg. |     |     |     |     |     |     |     |
|                                                        |       | 0.1                                                       | 0.2 | 0.3 | 0.4 | 0.5 | 0.6 | 0.7 | 0.8 |
| “HEAT”<br>Speed                                        | Tap 1 | 148                                                       | 175 | 198 | 227 | 258 | 275 | 312 | 364 |
|                                                        | Tap 2 | 239                                                       | 268 | 295 | 323 | 351 | 375 | 409 | 437 |
|                                                        | Tap 3 | 338                                                       | 375 | 411 | 437 | 470 | 507 | 537 | 563 |
|                                                        | Tap 4 | 504                                                       | 531 | 578 | 614 | 657 | 687 | 716 | 763 |
| First Stage<br>“COOL”<br>Speed                         | Tap 1 | 67                                                        | 91  | 115 | 143 | 165 | 185 | 202 | 223 |
|                                                        | Tap 2 | 101                                                       | 127 | 145 | 175 | 213 | 241 | 251 | 277 |
|                                                        | Tap 3 | 140                                                       | 164 | 196 | 215 | 250 | 265 | 299 | 345 |
|                                                        | Tap 4 | 190                                                       | 229 | 245 | 285 | 303 | 324 | 363 | 398 |
| Second<br>Stage<br>“COOL”<br>Speed                     | Tap 1 | 148                                                       | 175 | 198 | 227 | 258 | 275 | 312 | 364 |
|                                                        | Tap 2 | 239                                                       | 268 | 295 | 323 | 351 | 375 | 409 | 437 |
|                                                        | Tap 3 | 338                                                       | 375 | 411 | 437 | 470 | 507 | 537 | 563 |
|                                                        | Tap 4 | 504                                                       | 531 | 578 | 614 | 657 | 687 | 716 | 763 |

## NAM42V1TA5S BLOWER MOTOR WATTS

| AT "NORM" SETTING ("Adjust" Jumper at NORM Setting)         |       |                                                           |     |     |     |     |     |     |     |
|-------------------------------------------------------------|-------|-----------------------------------------------------------|-----|-----|-----|-----|-----|-----|-----|
| Jumper Speed Positions                                      |       | Motor Watts @ Various External Static Pressures - in. wg. |     |     |     |     |     |     |     |
|                                                             |       | 0.1                                                       | 0.2 | 0.3 | 0.4 | 0.5 | 0.6 | 0.7 | 0.8 |
| "HEAT"<br>Speed                                             | Tap 1 | 116                                                       | 146 | 168 | 196 | 221 | 250 | 286 | 305 |
|                                                             | Tap 2 | 188                                                       | 215 | 243 | 266 | 295 | 319 | 348 | 383 |
|                                                             | Tap 3 | 270                                                       | 300 | 327 | 353 | 384 | 417 | 450 | 474 |
|                                                             | Tap 4 | 375                                                       | 416 | 459 | 500 | 517 | 556 | 588 | 618 |
| First Stage<br>"COOL"<br>Speed                              | Tap 1 | 57                                                        | 78  | 107 | 134 | 151 | 171 | 192 | 225 |
|                                                             | Tap 2 | 85                                                        | 111 | 135 | 158 | 197 | 213 | 226 | 246 |
|                                                             | Tap 3 | 118                                                       | 138 | 163 | 186 | 219 | 254 | 291 | 305 |
|                                                             | Tap 4 | 170                                                       | 198 | 217 | 247 | 267 | 295 | 328 | 380 |
| Second<br>Stage<br>"COOL"<br>Speed                          | Tap 1 | 116                                                       | 146 | 168 | 196 | 221 | 250 | 286 | 305 |
|                                                             | Tap 2 | 188                                                       | 215 | 243 | 266 | 295 | 319 | 348 | 383 |
|                                                             | Tap 3 | 270                                                       | 300 | 327 | 353 | 384 | 417 | 450 | 474 |
|                                                             | Tap 4 | 375                                                       | 416 | 459 | 500 | 517 | 556 | 588 | 618 |
| AT " - " (Minus) SETTING ("Adjust" Jumper at " - " Setting) |       |                                                           |     |     |     |     |     |     |     |
| Jumper Speed Positions                                      |       | Motor Watts @ Various External Static Pressures - in. wg. |     |     |     |     |     |     |     |
|                                                             |       | 0.1                                                       | 0.2 | 0.3 | 0.4 | 0.5 | 0.6 | 0.7 | 0.8 |
| "HEAT"<br>Speed                                             | Tap 1 | 96                                                        | 119 | 138 | 162 | 191 | 227 | 247 | 266 |
|                                                             | Tap 2 | 153                                                       | 171 | 200 | 226 | 249 | 286 | 303 | 348 |
|                                                             | Tap 3 | 204                                                       | 237 | 259 | 286 | 319 | 336 | 371 | 401 |
|                                                             | Tap 4 | 282                                                       | 312 | 353 | 384 | 417 | 441 | 468 | 503 |
| First Stage<br>"COOL"<br>Speed                              | Tap 1 | 56                                                        | 74  | 98  | 121 | 131 | 169 | 178 | 200 |
|                                                             | Tap 2 | 79                                                        | 93  | 115 | 140 | 165 | 188 | 199 | 218 |
|                                                             | Tap 3 | 98                                                        | 117 | 138 | 170 | 196 | 228 | 250 | 260 |
|                                                             | Tap 4 | 126                                                       | 148 | 175 | 194 | 222 | 254 | 300 | 322 |
| Second<br>Stage<br>"COOL"<br>Speed                          | Tap 1 | 96                                                        | 119 | 138 | 162 | 191 | 227 | 247 | 266 |
|                                                             | Tap 2 | 153                                                       | 171 | 200 | 226 | 249 | 286 | 303 | 348 |
|                                                             | Tap 3 | 204                                                       | 237 | 259 | 286 | 319 | 336 | 371 | 401 |
|                                                             | Tap 4 | 282                                                       | 312 | 353 | 384 | 417 | 441 | 468 | 503 |

## NAM48V1TA5S BLOWER PERFORMANCE

0 through 0.80 in. w.g. External Static Pressure Range

| "ADJUST"<br>Jumper<br>Setting | Jumper Speed Positions |      |      |      |                          |      |      |      |                           |      |      |      |
|-------------------------------|------------------------|------|------|------|--------------------------|------|------|------|---------------------------|------|------|------|
|                               | "HEAT" Speed           |      |      |      | First Stage "COOL" Speed |      |      |      | Second Stage "COOL" Speed |      |      |      |
|                               | 1                      | 2    | 3    | 4    | 1                        | 2    | 3    | 4    | 1                         | 2    | 3    | 4    |
|                               | cfm                    | cfm  | cfm  | cfm  | cfm                      | cfm  | cfm  | cfm  | cfm                       | cfm  | cfm  | cfm  |
| +                             | 1375                   | 1600 | 1820 | 2185 | 960                      | 1125 | 1285 | 1620 | 1375                      | 1600 | 1820 | 2185 |
| NORM                          | 1260                   | 1455 | 1655 | 2085 | 855                      | 1035 | 1185 | 1475 | 1260                      | 1455 | 1655 | 2085 |
| -                             | 1125                   | 1310 | 1490 | 1885 | 790                      | 925  | 1060 | 1330 | 1125                      | 1310 | 1490 | 1885 |

**NOTES** - All air data measured external to unit with dry coil and 1 inch non-pleated air filter in place. Electric heaters have no appreciable air resistance.  
 First stage cooling air volume is 70% of COOL speed setting. Continuous blower speed is approximately 50% of COOL speed setting.  
 Allied LZSV Variable Zoning System applications - minimum blower speed is 450 cfm.

## NAM48V1TA5S BLOWER MOTOR WATTS

| AT "+" (Plus) SETTING ("Adjust" Jumper at "+" Setting)  |       |                                                           |     |      |      |     |     |     |     |
|---------------------------------------------------------|-------|-----------------------------------------------------------|-----|------|------|-----|-----|-----|-----|
| Jumper Speed Positions                                  |       | Motor Watts @ Various External Static Pressures - in. wg. |     |      |      |     |     |     |     |
|                                                         |       | 0.1                                                       | 0.2 | 0.3  | 0.4  | 0.5 | 0.6 | 0.7 | 0.8 |
| "HEAT"<br>Speed                                         | Tap 1 | 221                                                       | 244 | 277  | 308  | 345 | 372 | 406 | 449 |
|                                                         | Tap 2 | 325                                                       | 363 | 403  | 448  | 478 | 517 | 549 | 578 |
|                                                         | Tap 3 | 465                                                       | 502 | 550  | 592  | 637 | 671 | 711 | 755 |
|                                                         | Tap 4 | 922                                                       | 982 | 1000 | 1006 | 996 | 991 | 996 | 989 |
| First Stage<br>"COOL"<br>Speed                          | Tap 1 | 94                                                        | 129 | 152  | 179  | 206 | 247 | 265 | 288 |
|                                                         | Tap 2 | 135                                                       | 168 | 190  | 220  | 247 | 275 | 313 | 367 |
|                                                         | Tap 3 | 176                                                       | 213 | 241  | 270  | 292 | 344 | 366 | 405 |
|                                                         | Tap 4 | 330                                                       | 368 | 405  | 439  | 478 | 515 | 542 | 576 |
| Second<br>Stage<br>"COOL"<br>Speed                      | Tap 1 | 221                                                       | 244 | 277  | 308  | 345 | 372 | 406 | 449 |
|                                                         | Tap 2 | 325                                                       | 363 | 403  | 448  | 478 | 517 | 549 | 578 |
|                                                         | Tap 3 | 465                                                       | 502 | 550  | 592  | 637 | 671 | 711 | 755 |
|                                                         | Tap 4 | 922                                                       | 982 | 1000 | 1006 | 996 | 991 | 996 | 989 |
| AT "NORM" SETTING ("Adjust" Jumper at NORM Setting)     |       |                                                           |     |      |      |     |     |     |     |
| Jumper Speed Positions                                  |       | Motor Watts @ Various External Static Pressures - in. wg. |     |      |      |     |     |     |     |
|                                                         |       | 0.1                                                       | 0.2 | 0.3  | 0.4  | 0.5 | 0.6 | 0.7 | 0.8 |
| "HEAT"<br>Speed                                         | Tap 1 | 180                                                       | 208 | 240  | 275  | 296 | 333 | 362 | 410 |
|                                                         | Tap 2 | 252                                                       | 287 | 311  | 246  | 380 | 407 | 456 | 484 |
|                                                         | Tap 3 | 347                                                       | 392 | 434  | 457  | 507 | 534 | 579 | 615 |
|                                                         | Tap 4 | 696                                                       | 749 | 797  | 841  | 881 | 927 | 972 | 999 |
| First Stage<br>"COOL"<br>Speed                          | Tap 1 | 77                                                        | 102 | 128  | 153  | 185 | 210 | 231 | 247 |
|                                                         | Tap 2 | 111                                                       | 133 | 164  | 188  | 219 | 251 | 279 | 304 |
|                                                         | Tap 3 | 144                                                       | 175 | 206  | 233  | 262 | 285 | 325 | 352 |
|                                                         | Tap 4 | 251                                                       | 283 | 317  | 364  | 382 | 419 | 447 | 482 |
| Second<br>Stage<br>"COOL"<br>Speed                      | Tap 1 | 180                                                       | 208 | 240  | 275  | 296 | 333 | 362 | 410 |
|                                                         | Tap 2 | 252                                                       | 287 | 311  | 246  | 380 | 407 | 456 | 484 |
|                                                         | Tap 3 | 347                                                       | 392 | 434  | 457  | 507 | 534 | 579 | 615 |
|                                                         | Tap 4 | 696                                                       | 749 | 797  | 841  | 881 | 927 | 972 | 999 |
| AT "-" (Minus) SETTING ("Adjust" Jumper at "-" Setting) |       |                                                           |     |      |      |     |     |     |     |
| Jumper Speed Positions                                  |       | Motor Watts @ Various External Static Pressures - in. wg. |     |      |      |     |     |     |     |
|                                                         |       | 0.1                                                       | 0.2 | 0.3  | 0.4  | 0.5 | 0.6 | 0.7 | 0.8 |
| "HEAT"<br>Speed                                         | Tap 1 | 133                                                       | 164 | 192  | 221  | 253 | 280 | 318 | 352 |
|                                                         | Tap 2 | 203                                                       | 224 | 270  | 291  | 317 | 371 | 403 | 430 |
|                                                         | Tap 3 | 273                                                       | 309 | 343  | 376  | 413 | 441 | 471 | 522 |
|                                                         | Tap 4 | 518                                                       | 573 | 610  | 667  | 694 | 732 | 776 | 821 |
| First Stage<br>"COOL"<br>Speed                          | Tap 1 | 61                                                        | 87  | 116  | 141  | 168 | 186 | 204 | 222 |
|                                                         | Tap 2 | 85                                                        | 109 | 135  | 166  | 197 | 222 | 246 | 270 |
|                                                         | Tap 3 | 115                                                       | 142 | 168  | 199  | 220 | 253 | 287 | 330 |
|                                                         | Tap 4 | 194                                                       | 227 | 253  | 288  | 320 | 359 | 388 | 415 |
| Second<br>Stage<br>"COOL"<br>Speed                      | Tap 1 | 133                                                       | 164 | 192  | 221  | 253 | 280 | 318 | 352 |
|                                                         | Tap 2 | 203                                                       | 224 | 270  | 291  | 317 | 371 | 403 | 430 |
|                                                         | Tap 3 | 273                                                       | 309 | 343  | 376  | 413 | 441 | 471 | 522 |
|                                                         | Tap 4 | 518                                                       | 573 | 610  | 667  | 694 | 732 | 776 | 821 |

**NAM60V1TA5S BLOWER PERFORMANCE**

0 through 0.80 in. w.g. External Static Pressure Range

| "ADJUST"<br>Jumper<br>Setting                                                                                                                                                                                                                                                                                                                                                                  | Jumper Speed Positions |      |      |      |                          |      |      |      |                           |      |      |      |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|------|------|------|--------------------------|------|------|------|---------------------------|------|------|------|
|                                                                                                                                                                                                                                                                                                                                                                                                | "HEAT" Speed           |      |      |      | First Stage "COOL" Speed |      |      |      | Second Stage "COOL" Speed |      |      |      |
|                                                                                                                                                                                                                                                                                                                                                                                                | 1                      | 2    | 3    | 4    | 1                        | 2    | 3    | 4    | 1                         | 2    | 3    | 4    |
|                                                                                                                                                                                                                                                                                                                                                                                                | cfm                    | cfm  | cfm  | cfm  | cfm                      | cfm  | cfm  | cfm  | cfm                       | cfm  | cfm  | cfm  |
| +                                                                                                                                                                                                                                                                                                                                                                                              | 1600                   | 1835 | 2030 | 2190 | 1110                     | 1285 | 1380 | 1615 | 1600                      | 1835 | 2030 | 2190 |
| NORM                                                                                                                                                                                                                                                                                                                                                                                           | 1465                   | 1675 | 1855 | 2085 | 1000                     | 1160 | 1250 | 1470 | 1465                      | 1675 | 1855 | 2085 |
| -                                                                                                                                                                                                                                                                                                                                                                                              | 1320                   | 1500 | 1675 | 1890 | 895                      | 1035 | 1115 | 1320 | 1320                      | 1500 | 1675 | 1890 |
| <b>NOTES</b> - All air data measured external to unit with dry coil and 1 inch non-pleated air filter in place. Electric heaters have no appreciable air resistance.<br>First stage cooling air volume is 70% of COOL speed setting. Continuous blower speed is approximately 50% of COOL speed setting.<br>Allied LZSV Variable Zoning System applications - minimum blower speed is 450 cfm. |                        |      |      |      |                          |      |      |      |                           |      |      |      |

**NAM60V1TA5S BLOWER MOTOR WATTS**

| AT "+" (Plus) SETTING ("Adjust" Jumper at "+" Setting) |       |                                                           |     |      |      |      |      |      |     |
|--------------------------------------------------------|-------|-----------------------------------------------------------|-----|------|------|------|------|------|-----|
| Jumper Speed Positions                                 |       | Motor Watts @ Various External Static Pressures - in. wg. |     |      |      |      |      |      |     |
|                                                        |       | 0.1                                                       | 0.2 | 0.3  | 0.4  | 0.5  | 0.6  | 0.7  | 0.8 |
| "HEAT"<br>Speed                                        | Tap 1 | 330                                                       | 360 | 403  | 444  | 488  | 521  | 563  | 600 |
|                                                        | Tap 2 | 469                                                       | 505 | 564  | 616  | 649  | 685  | 735  | 776 |
|                                                        | Tap 3 | 631                                                       | 671 | 734  | 782  | 832  | 894  | 931  | 971 |
|                                                        | Tap 4 | 903                                                       | 957 | 1016 | 1015 | 1013 | 1002 | 1002 | 998 |
| First Stage<br>"COOL"<br>Speed                         | Tap 1 | 146                                                       | 166 | 194  | 223  | 267  | 300  | 340  | 379 |
|                                                        | Tap 2 | 195                                                       | 221 | 252  | 278  | 319  | 358  | 383  | 427 |
|                                                        | Tap 3 | 225                                                       | 260 | 286  | 319  | 357  | 399  | 427  | 466 |
|                                                        | Tap 4 | 339                                                       | 382 | 417  | 447  | 494  | 532  | 567  | 611 |
| Second<br>Stage<br>"COOL"<br>Speed                     | Tap 1 | 330                                                       | 360 | 403  | 444  | 488  | 521  | 563  | 600 |
|                                                        | Tap 2 | 469                                                       | 505 | 564  | 616  | 649  | 685  | 735  | 776 |
|                                                        | Tap 3 | 631                                                       | 671 | 734  | 782  | 832  | 894  | 931  | 971 |
|                                                        | Tap 4 | 903                                                       | 957 | 1016 | 1015 | 1013 | 1002 | 1002 | 998 |
| AT "NORM" SETTING ("Adjust" Jumper at NORM Setting)    |       |                                                           |     |      |      |      |      |      |     |
| Jumper Speed Positions                                 |       | Motor Watts @ Various External Static Pressures - in. wg. |     |      |      |      |      |      |     |
|                                                        |       | 0.1                                                       | 0.2 | 0.3  | 0.4  | 0.5  | 0.6  | 0.7  | 0.8 |
| "HEAT"<br>Speed                                        | Tap 1 | 251                                                       | 288 | 320  | 355  | 391  | 440  | 463  | 514 |
|                                                        | Tap 2 | 348                                                       | 397 | 433  | 482  | 515  | 565  | 607  | 650 |
|                                                        | Tap 3 | 472                                                       | 524 | 578  | 614  | 664  | 701  | 749  | 810 |
|                                                        | Tap 4 | 696                                                       | 740 | 792  | 856  | 886  | 939  | 984  | 983 |
| First Stage<br>"COOL"<br>Speed                         | Tap 1 | 110                                                       | 105 | 164  | 196  | 233  | 263  | 297  | 320 |
|                                                        | Tap 2 | 152                                                       | 182 | 205  | 244  | 270  | 300  | 347  | 387 |
|                                                        | Tap 3 | 177                                                       | 205 | 238  | 271  | 311  | 341  | 375  | 424 |
|                                                        | Tap 4 | 254                                                       | 298 | 331  | 367  | 408  | 444  | 473  | 527 |
| Second<br>Stage<br>"COOL"<br>Speed                     | Tap 1 | 251                                                       | 288 | 320  | 355  | 391  | 440  | 463  | 514 |
|                                                        | Tap 2 | 348                                                       | 397 | 433  | 482  | 515  | 565  | 607  | 650 |
|                                                        | Tap 3 | 472                                                       | 524 | 578  | 614  | 664  | 701  | 749  | 810 |
|                                                        | Tap 4 | 696                                                       | 740 | 792  | 856  | 886  | 939  | 984  | 983 |

## NAM60V1TA5S BLOWER MOTOR WATTS

| AT “ - ” (Minus) SETTING (“Adjust” Jumper at “ - ” Setting) |       |                                                           |     |     |     |     |     |     |     |
|-------------------------------------------------------------|-------|-----------------------------------------------------------|-----|-----|-----|-----|-----|-----|-----|
| Jumper Speed Positions                                      |       | Motor Watts @ Various External Static Pressures - in. wg. |     |     |     |     |     |     |     |
|                                                             |       | 0.1                                                       | 0.2 | 0.3 | 0.4 | 0.5 | 0.6 | 0.7 | 0.8 |
| “HEAT”<br>Speed                                             | Tap 1 | 189                                                       | 228 | 263 | 294 | 328 | 358 | 403 | 430 |
|                                                             | Tap 2 | 268                                                       | 304 | 343 | 380 | 427 | 461 | 483 | 549 |
|                                                             | Tap 3 | 355                                                       | 401 | 431 | 487 | 523 | 569 | 611 | 642 |
|                                                             | Tap 4 | 506                                                       | 549 | 607 | 646 | 689 | 720 | 775 | 834 |
| First Stage<br>“COOL”<br>Speed                              | Tap 1 | 88                                                        | 19  | 139 | 173 | 198 | 244 | 260 | 275 |
|                                                             | Tap 2 | 117                                                       | 145 | 169 | 200 | 225 | 272 | 309 | 338 |
|                                                             | Tap 3 | 130                                                       | 161 | 187 | 217 | 253 | 286 | 325 | 368 |
|                                                             | Tap 4 | 192                                                       | 237 | 265 | 295 | 324 | 364 | 405 | 440 |
| Second<br>Stage<br>“COOL”<br>Speed                          | Tap 1 | 189                                                       | 228 | 263 | 294 | 328 | 358 | 403 | 430 |
|                                                             | Tap 2 | 268                                                       | 304 | 343 | 380 | 427 | 461 | 483 | 549 |
|                                                             | Tap 3 | 355                                                       | 401 | 431 | 487 | 523 | 569 | 611 | 642 |
|                                                             | Tap 4 | 506                                                       | 549 | 607 | 646 | 689 | 720 | 775 | 834 |

## ELECTRIC HEAT DATA

## NAM18V1TA5S | SINGLE PHASE

| Electric Heat Model Number   | Input |     |                   | Blower Motor Full Load Amps | <sup>2</sup> Minimum Circuit Ampacity | <sup>3</sup> Maximum Overcurrent Protection |
|------------------------------|-------|-----|-------------------|-----------------------------|---------------------------------------|---------------------------------------------|
|                              | Volt  | kW  | <sup>1</sup> Btuh |                             |                                       |                                             |
| <b>5 kW</b>                  | 208   | 3.6 | 12,300            | 3.9                         | 27                                    | 30                                          |
| ECB45-5 ( <b>27A09</b> )     | 220   | 4.0 | 13,800            | 3.9                         | 28                                    | 30                                          |
| Terminal Block               | 230   | 4.4 | 15,000            | 3.9                         | 29                                    | 30                                          |
| ECB45-5CB ( <b>27A13</b> )   | 240   | 4.8 | 16,400            | 3.9                         | 30                                    | 30                                          |
| 30A Circuit Breaker          |       |     |                   |                             |                                       |                                             |
| <b>7.5 kW</b>                | 208   | 5.6 | 19,200            | 3.9                         | 39                                    | <sup>4</sup> <b>40</b>                      |
| ECB45-7.5 ( <b>27A10</b> )   | 220   | 6.3 | 21,500            | 3.9                         | 41                                    | 45                                          |
| Terminal Block               | 230   | 6.9 | 23,500            | 3.9                         | 42                                    | 45                                          |
| ECB45-7.5CB ( <b>27A14</b> ) | 240   | 7.5 | 25,600            | 3.9                         | 44                                    | 45                                          |
| 45A Circuit Breaker          |       |     |                   |                             |                                       |                                             |
| <b>10 kW</b>                 | 208   | 7.2 | 24,600            | 3.9                         | 48                                    | <sup>4</sup> <b>50</b>                      |
| ECB45-10 ( <b>27A11</b> )    | 220   | 8.0 | 27,500            | 3.9                         | 51                                    | 60                                          |
| Terminal Block               | 230   | 8.8 | 30,000            | 3.9                         | 53                                    | 60                                          |
| ECB45-10CB ( <b>27A15</b> )  | 240   | 9.6 | 32,700            | 3.9                         | 55                                    | 60                                          |
| 60A Circuit Breaker          |       |     |                   |                             |                                       |                                             |

## ELECTRIC HEAT DATA

## NAM24V1TA5S | SINGLE PHASE

| Electric Heat Model Number   | Input |     |                   | Blower Motor Full Load Amps | <sup>2</sup> Minimum Circuit Ampacity | <sup>3</sup> Maximum Overcurrent Protection |
|------------------------------|-------|-----|-------------------|-----------------------------|---------------------------------------|---------------------------------------------|
|                              | Volt  | kW  | <sup>1</sup> Btuh |                             |                                       |                                             |
| <b>5 kW</b>                  | 208   | 3.6 | 12,300            | 3.9                         | 27                                    | 30                                          |
| ECB45-5 ( <b>27A09</b> )     | 220   | 4.0 | 13,800            | 3.9                         | 28                                    | 30                                          |
| Terminal Block               | 230   | 4.4 | 15,000            | 3.9                         | 29                                    | 30                                          |
| ECB45-5CB ( <b>27A13</b> )   | 240   | 4.8 | 16,400            | 3.9                         | 30                                    | 30                                          |
| 30A Circuit Breaker          |       |     |                   |                             |                                       |                                             |
| <b>7.5 kW</b>                | 208   | 5.6 | 19,200            | 3.9                         | 39                                    | <sup>4</sup> <b>40</b>                      |
| ECB45-7.5 ( <b>27A10</b> )   | 220   | 6.3 | 21,500            | 3.9                         | 41                                    | 45                                          |
| Terminal Block               | 230   | 6.9 | 23,500            | 3.9                         | 42                                    | 45                                          |
| ECB45-7.5CB ( <b>27A14</b> ) | 240   | 7.5 | 25,600            | 3.9                         | 44                                    | 45                                          |
| 45A Circuit Breaker          |       |     |                   |                             |                                       |                                             |
| <b>10 kW</b>                 | 208   | 7.2 | 24,600            | 3.9                         | 48                                    | <sup>4</sup> <b>50</b>                      |
| ECB45-10 ( <b>27A11</b> )    | 220   | 8.0 | 27,500            | 3.9                         | 51                                    | 60                                          |
| Terminal Block               | 230   | 8.8 | 30,000            | 3.9                         | 53                                    | 60                                          |
| ECB45-10CB ( <b>27A15</b> )  | 240   | 9.6 | 32,700            | 3.9                         | 55                                    | 60                                          |
| 60A Circuit Breaker          |       |     |                   |                             |                                       |                                             |

**NOTE** - Circuit 1 Minimum Circuit Ampacity includes the Blower Motor Full Load Amps.

<sup>1</sup> Electric heater capacity only - does not include additional blower motor heat capacity.

<sup>2</sup> Refer to National or Canadian Electrical Code manual to determine wire, fuse and disconnect size requirements. Use wires suitable for at least 167°F.

<sup>3</sup> HACR type breaker or fuse.

<sup>4</sup> **Bold indicates that the circuit breaker on "CB" circuit breaker models must be replaced with size shown. See table on page 9.**

## ELECTRIC HEAT DATA

## NAM30V1TA5S | SINGLE PHASE

| Electric Heat Model Number                                                                                           | Input |      |                   | Blower Motor Full Load Amps | <sup>2</sup> Minimum Circuit Ampacity |       | <sup>3</sup> Maximum Overcurrent Protection |                        | Single Point Power Source             |                                             |
|----------------------------------------------------------------------------------------------------------------------|-------|------|-------------------|-----------------------------|---------------------------------------|-------|---------------------------------------------|------------------------|---------------------------------------|---------------------------------------------|
|                                                                                                                      | Volt  | kW   | <sup>1</sup> Btuh |                             | Ckt 1                                 | Ckt 2 | Ckt 1                                       | Ckt 2                  | <sup>2</sup> Minimum Circuit Ampacity | <sup>3</sup> Maximum Overcurrent Protection |
| <b>5 kW</b><br>ECB45-5 ( <b>27A09</b> )<br>Terminal Block<br>ECB45-5CB ( <b>27A13</b> )<br>30A Circuit Breaker       | 208   | 3.6  | 12,300            | 3.9                         | 27                                    | ---   | 30                                          | ---                    | ---                                   | ---                                         |
|                                                                                                                      | 220   | 4.0  | 13,800            | 3.9                         | 28                                    | ---   | 30                                          | ---                    | ---                                   | ---                                         |
|                                                                                                                      | 230   | 4.4  | 15,000            | 3.9                         | 29                                    | ---   | 30                                          | ---                    | ---                                   | ---                                         |
|                                                                                                                      | 240   | 4.8  | 16,400            | 3.9                         | 30                                    | ---   | 30                                          | ---                    | ---                                   | ---                                         |
| <b>7.5 kW</b><br>ECB45-7.5 ( <b>27A10</b> )<br>Terminal Block<br>ECB45-7.5CB ( <b>27A14</b> )<br>45A Circuit Breaker | 208   | 5.6  | 19,200            | 3.9                         | 39                                    | ---   | <sup>4</sup> <b>40</b>                      | ---                    | ---                                   | ---                                         |
|                                                                                                                      | 220   | 6.3  | 21,500            | 3.9                         | 41                                    | ---   | 45                                          | ---                    | ---                                   | ---                                         |
|                                                                                                                      | 230   | 6.9  | 23,500            | 3.9                         | 42                                    | ---   | 45                                          | ---                    | ---                                   | ---                                         |
|                                                                                                                      | 240   | 7.5  | 25,600            | 3.9                         | 44                                    | ---   | 45                                          | ---                    | ---                                   | ---                                         |
| <b>10 kW</b><br>ECB45-10 ( <b>27A11</b> )<br>Terminal Block<br>ECB45-10CB ( <b>27A15</b> )<br>60A Circuit Breaker    | 208   | 7.2  | 24,600            | 3.9                         | 48                                    | ---   | <sup>4</sup> <b>50</b>                      | ---                    | ---                                   | ---                                         |
|                                                                                                                      | 220   | 8.0  | 27,500            | 3.9                         | 51                                    | ---   | 60                                          | ---                    | ---                                   | ---                                         |
|                                                                                                                      | 230   | 8.8  | 30,000            | 3.9                         | 53                                    | ---   | 60                                          | ---                    | ---                                   | ---                                         |
|                                                                                                                      | 240   | 9.6  | 32,700            | 3.9                         | 55                                    | ---   | 60                                          | ---                    | ---                                   | ---                                         |
| <b>12.5 kW</b><br>ECB45-12.5CB ( <b>27A16</b> )<br>(1) 50A and (1) 25A<br>Circuit Breaker                            | 208   | 9.4  | 32,000            | 3.9                         | 42                                    | 19    | <sup>4</sup> <b>40</b>                      | <sup>4</sup> <b>20</b> | 61                                    | 70                                          |
|                                                                                                                      | 220   | 10.5 | 35,800            | 3.9                         | 45                                    | 20    | <sup>4</sup> <b>45</b>                      | <sup>4</sup> <b>20</b> | 65                                    | 70                                          |
|                                                                                                                      | 230   | 11.5 | 39,200            | 3.9                         | 46                                    | 21    | 50                                          | 25                     | 67                                    | 70                                          |
|                                                                                                                      | 240   | 12.5 | 42,600            | 3.9                         | 48                                    | 22    | 50                                          | 25                     | 70                                    | 70                                          |
| <b>15 kW</b><br>ECB45-15CB ( <b>27A17</b> )<br>(1) 60A and (1) 25A<br>Circuit Breaker                                | 208   | 10.8 | 36,900            | 3.9                         | 48                                    | 22    | <sup>4</sup> <b>50</b>                      | 25                     | 70                                    | 70                                          |
|                                                                                                                      | 220   | 12.1 | 41,300            | 3.9                         | 51                                    | 23    | 60                                          | 25                     | 74                                    | 80                                          |
|                                                                                                                      | 230   | 13.2 | 45,100            | 3.9                         | 53                                    | 24    | 60                                          | 25                     | 77                                    | 80                                          |
|                                                                                                                      | 240   | 14.4 | 49,100            | 3.9                         | 55                                    | 25    | 60                                          | 25                     | 80                                    | 80                                          |

**NOTE** - Circuit 1 Minimum Circuit Ampacity includes the Blower Motor Full Load Amps.

<sup>1</sup> Electric heater capacity only - does not include additional blower motor heat capacity.

<sup>2</sup> Refer to National or Canadian Electrical Code manual to determine wire, fuse and disconnect size requirements. Use wires suitable for at least 167°F.

<sup>3</sup> HACR type breaker or fuse.

<sup>4</sup> **Bold indicates that the circuit breaker on "CB" circuit breaker models must be replaced with size shown. See table on page 9.**

## ELECTRIC HEAT DATA

## NAM36V1TA5S | SINGLE PHASE

| Electric Heat Model Number          | Input |      |                   | Blower Motor Full Load Amps | <sup>2</sup> Minimum Circuit Ampacity |       | <sup>3</sup> Maximum Overcurrent Protection |                 | Single Point Power Source             |                                             |
|-------------------------------------|-------|------|-------------------|-----------------------------|---------------------------------------|-------|---------------------------------------------|-----------------|---------------------------------------|---------------------------------------------|
|                                     | Volt  | kW   | <sup>1</sup> Btuh |                             | Ckt 1                                 | Ckt 2 | Ckt 1                                       | Ckt 2           | <sup>2</sup> Minimum Circuit Ampacity | <sup>3</sup> Maximum Overcurrent Protection |
| <b>5 kW</b>                         | 208   | 3.6  | 12,300            | 3.9                         | 27                                    | ---   | 30                                          | ---             | ---                                   | ---                                         |
| ECB45-5 (27A09)                     | 220   | 4.0  | 13,800            | 3.9                         | 28                                    | ---   | 30                                          | ---             | ---                                   | ---                                         |
| Terminal Block                      | 230   | 4.4  | 15,000            | 3.9                         | 29                                    | ---   | 30                                          | ---             | ---                                   | ---                                         |
| ECB45-5CB (27A13)                   | 240   | 4.8  | 16,400            | 3.9                         | 30                                    | ---   | 30                                          | ---             | ---                                   | ---                                         |
| 30A Circuit Breaker                 |       |      |                   |                             |                                       |       |                                             |                 |                                       |                                             |
| <b>7.5 kW</b>                       | 208   | 5.6  | 19,200            | 3.9                         | 39                                    | ---   | <sup>4</sup> 40                             | ---             | ---                                   | ---                                         |
| ECB45-7.5 (27A10)                   | 220   | 6.3  | 21,500            | 3.9                         | 41                                    | ---   | 45                                          | ---             | ---                                   | ---                                         |
| Terminal Block                      | 230   | 6.9  | 23,500            | 3.9                         | 42                                    | ---   | 45                                          | ---             | ---                                   | ---                                         |
| ECB45-7.5CB (27A14)                 | 240   | 7.5  | 25,600            | 3.9                         | 44                                    | ---   | 45                                          | ---             | ---                                   | ---                                         |
| 45A Circuit Breaker                 |       |      |                   |                             |                                       |       |                                             |                 |                                       |                                             |
| <b>10 kW</b>                        | 208   | 7.2  | 24,600            | 3.9                         | 48                                    | ---   | <sup>4</sup> 50                             | ---             | ---                                   | ---                                         |
| ECB45-10 (27A11)                    | 220   | 8.0  | 27,500            | 3.9                         | 51                                    | ---   | 60                                          | ---             | ---                                   | ---                                         |
| Terminal Block                      | 230   | 8.8  | 30,000            | 3.9                         | 53                                    | ---   | 60                                          | ---             | ---                                   | ---                                         |
| ECB45-10CB (27A15)                  | 240   | 9.6  | 32,700            | 3.9                         | 55                                    | ---   | 60                                          | ---             | ---                                   | ---                                         |
| 60A Circuit Breaker                 |       |      |                   |                             |                                       |       |                                             |                 |                                       |                                             |
| <b>12.5 kW</b>                      | 208   | 9.4  | 32,000            | 3.9                         | 42                                    | 19    | <sup>4</sup> 40                             | <sup>4</sup> 20 | 61                                    | 70                                          |
| ECB45-12.5CB                        | 220   | 10.5 | 35,800            | 3.9                         | 45                                    | 20    | <sup>4</sup> 45                             | <sup>4</sup> 20 | 65                                    | 70                                          |
| (27A16)                             | 230   | 11.5 | 39,200            | 3.9                         | 46                                    | 21    | 50                                          | 25              | 67                                    | 70                                          |
| (1) 50A and (1) 25A Circuit Breaker | 240   | 12.5 | 42,600            | 3.9                         | 48                                    | 22    | 50                                          | 25              | 70                                    | 70                                          |
| <b>15 kW</b>                        | 208   | 10.8 | 36,900            | 3.9                         | 48                                    | 22    | <sup>4</sup> 50                             | 25              | 70                                    | 70                                          |
| ECB45-15CB (27A17)                  | 220   | 12.1 | 41,300            | 3.9                         | 51                                    | 23    | 60                                          | 25              | 74                                    | 80                                          |
| (1) 60A and (1) 25A                 | 230   | 13.2 | 45,100            | 3.9                         | 53                                    | 24    | 60                                          | 25              | 77                                    | 80                                          |
| Circuit Breaker                     | 240   | 14.4 | 49,100            | 3.9                         | 55                                    | 25    | 60                                          | 25              | 80                                    | 80                                          |

**NOTE** - Circuit 1 Minimum Circuit Ampacity includes the Blower Motor Full Load Amps.

<sup>1</sup> Electric heater capacity only - does not include additional blower motor heat capacity.

<sup>2</sup> Refer to National or Canadian Electrical Code manual to determine wire, fuse and disconnect size requirements. Use wires suitable for at least 167°F.

<sup>3</sup> HACR type breaker or fuse.

<sup>4</sup> **Bold indicates that the circuit breaker on "CB" circuit breaker models must be replaced with size shown. See table on page 9.**

## ELECTRIC HEAT DATA

## NAM42V1TA5S | SINGLE PHASE

| Electric Heat Model Number                                                                                           | Input |      |                   | Blower Motor Full Load Amps | <sup>2</sup> Minimum Circuit Ampacity |       | <sup>3</sup> Maximum Overcurrent Protection |                        | Single Point Power Source             |                                             |
|----------------------------------------------------------------------------------------------------------------------|-------|------|-------------------|-----------------------------|---------------------------------------|-------|---------------------------------------------|------------------------|---------------------------------------|---------------------------------------------|
|                                                                                                                      | Volt  | kW   | <sup>1</sup> Btuh |                             | Ckt 1                                 | Ckt 2 | Ckt 1                                       | Ckt 2                  | <sup>2</sup> Minimum Circuit Ampacity | <sup>3</sup> Maximum Overcurrent Protection |
| <b>5 kW</b><br>ECB45-5 ( <b>27A09</b> )<br>Terminal Block<br>ECB45-5CB ( <b>27A13</b> )<br>30A Circuit Breaker       | 208   | 3.6  | 12,300            | 6.9                         | 30                                    | ---   | 30                                          | ---                    | ---                                   | ---                                         |
|                                                                                                                      | 220   | 4.0  | 13,800            | 6.9                         | 32                                    | ---   | <sup>4</sup> <b>35</b>                      | ---                    | ---                                   | ---                                         |
|                                                                                                                      | 230   | 4.4  | 15,000            | 6.9                         | 33                                    | ---   | <sup>4</sup> <b>35</b>                      | ---                    | ---                                   | ---                                         |
|                                                                                                                      | 240   | 4.8  | 16,400            | 6.9                         | 34                                    | ---   | <sup>4</sup> <b>35</b>                      | ---                    | ---                                   | ---                                         |
| <b>7.5 kW</b><br>ECB45-7.5 ( <b>27A10</b> )<br>Terminal Block<br>ECB45-7.5CB ( <b>27A14</b> )<br>45A Circuit Breaker | 208   | 5.6  | 19,200            | 6.9                         | 42                                    | ---   | 45                                          | ---                    | ---                                   | ---                                         |
|                                                                                                                      | 220   | 6.3  | 21,500            | 6.9                         | 44                                    | ---   | 45                                          | ---                    | ---                                   | ---                                         |
|                                                                                                                      | 230   | 6.9  | 23,500            | 6.9                         | 46                                    | ---   | <sup>4</sup> <b>50</b>                      | ---                    | ---                                   | ---                                         |
|                                                                                                                      | 240   | 7.5  | 25,600            | 6.9                         | 48                                    | ---   | <sup>4</sup> <b>50</b>                      | ---                    | ---                                   | ---                                         |
| <b>10 kW</b><br>ECB45-10 ( <b>27A11</b> )<br>Terminal Block<br>ECB45-10CB ( <b>27A15</b> )<br>60A Circuit Breaker    | 208   | 7.2  | 24,600            | 6.9                         | 52                                    | ---   | 60                                          | ---                    | ---                                   | ---                                         |
|                                                                                                                      | 220   | 8.0  | 27,500            | 6.9                         | 54                                    | ---   | 60                                          | ---                    | ---                                   | ---                                         |
|                                                                                                                      | 230   | 8.8  | 30,000            | 6.9                         | 57                                    | ---   | 60                                          | ---                    | ---                                   | ---                                         |
|                                                                                                                      | 240   | 9.6  | 32,700            | 6.9                         | 59                                    | ---   | 60                                          | ---                    | ---                                   | ---                                         |
| <b>12.5 kW</b><br>ECB45-12.5CB ( <b>27A16</b> )<br>(1) 50A and (1) 25A<br>Circuit Breaker                            | 208   | 9.4  | 32,000            | 6.9                         | 46                                    | 19    | 50                                          | <sup>4</sup> <b>20</b> | 65                                    | 70                                          |
|                                                                                                                      | 220   | 10.5 | 35,800            | 6.9                         | 48                                    | 20    | 50                                          | <sup>4</sup> <b>20</b> | 68                                    | 70                                          |
|                                                                                                                      | 230   | 11.5 | 39,200            | 6.9                         | 50                                    | 21    | 50                                          | 25                     | 71                                    | 80                                          |
|                                                                                                                      | 240   | 12.5 | 42,600            | 6.9                         | 52                                    | 22    | <sup>4</sup> <b>60</b>                      | 25                     | 74                                    | 80                                          |
| <b>15 kW</b><br>ECB45-15CB ( <b>27A17</b> )<br>(1) 60A and (1) 25A<br>Circuit Breaker                                | 208   | 10.8 | 36,900            | 6.9                         | 52                                    | 22    | 60                                          | 25                     | 74                                    | 80                                          |
|                                                                                                                      | 220   | 12.1 | 41,300            | 6.9                         | 54                                    | 23    | 60                                          | 25                     | 77                                    | 80                                          |
|                                                                                                                      | 230   | 13.2 | 45,100            | 6.9                         | 57                                    | 24    | 60                                          | 25                     | 80                                    | 80                                          |
|                                                                                                                      | 240   | 14.4 | 49,100            | 6.9                         | 59                                    | 25    | 60                                          | 25                     | 84                                    | 80                                          |

**NOTE** - Circuit 1 Minimum Circuit Ampacity includes the Blower Motor Full Load Amps.

<sup>1</sup> Electric heater capacity only - does not include additional blower motor heat capacity.

<sup>2</sup> Refer to National or Canadian Electrical Code manual to determine wire, fuse and disconnect size requirements. Use wires suitable for at least 167°F.

<sup>3</sup> HACR type breaker or fuse.

<sup>4</sup> **Bold indicates that the circuit breaker on "CB" circuit breaker models must be replaced with size shown. See table on page 9.**

## ELECTRIC HEAT DATA

## NAM48V1TA5S, NAM60V1TA5S | SINGLE PHASE

| Electric Heat Model Number   | Input |      |                   | Blower Motor Full Load Amps | <sup>2</sup> Minimum Circuit Ampacity |       | <sup>3</sup> Maximum Overcurrent Protection |                        | Single Point Power Source             |                                             |
|------------------------------|-------|------|-------------------|-----------------------------|---------------------------------------|-------|---------------------------------------------|------------------------|---------------------------------------|---------------------------------------------|
|                              | Volt  | kW   | <sup>1</sup> Btuh |                             | Ckt 1                                 | Ckt 2 | Ckt 1                                       | Ckt 2                  | <sup>2</sup> Minimum Circuit Ampacity | <sup>3</sup> Maximum Overcurrent Protection |
| <b>5 kW</b>                  | 208   | 3.6  | 12,300            | 6.9                         | 30                                    | ---   | 30                                          | ---                    | ---                                   | ---                                         |
| ECB45-5 ( <b>27A09</b> )     | 220   | 4.0  | 13,800            | 6.9                         | 32                                    | ---   | <sup>4</sup> <b>35</b>                      | ---                    | ---                                   | ---                                         |
| Terminal Block               | 230   | 4.4  | 15,000            | 6.9                         | 33                                    | ---   | <sup>4</sup> <b>35</b>                      | ---                    | ---                                   | ---                                         |
| ECB45-5CB ( <b>27A13</b> )   | 240   | 4.8  | 16,400            | 6.9                         | 34                                    | ---   | <sup>4</sup> <b>35</b>                      | ---                    | ---                                   | ---                                         |
| 30A Circuit Breaker          |       |      |                   |                             |                                       |       |                                             |                        |                                       |                                             |
| <b>7.5 kW</b>                | 208   | 5.6  | 19,200            | 6.9                         | 42                                    | ---   | 45                                          | ---                    | ---                                   | ---                                         |
| ECB45-7.5 ( <b>27A10</b> )   | 220   | 6.3  | 21,500            | 6.9                         | 44                                    | ---   | 45                                          | ---                    | ---                                   | ---                                         |
| Terminal Block               | 230   | 6.9  | 23,500            | 6.9                         | 46                                    | ---   | <sup>4</sup> <b>50</b>                      | ---                    | ---                                   | ---                                         |
| ECB45-7.5CB ( <b>27A14</b> ) | 240   | 7.5  | 25,600            | 6.9                         | 48                                    | ---   | <sup>4</sup> <b>50</b>                      | ---                    | ---                                   | ---                                         |
| 45A Circuit Breaker          |       |      |                   |                             |                                       |       |                                             |                        |                                       |                                             |
| <b>10 kW</b>                 | 208   | 7.2  | 24,600            | 6.9                         | 52                                    | ---   | 60                                          | ---                    | ---                                   | ---                                         |
| ECB45-10 ( <b>27A11</b> )    | 220   | 8.0  | 27,500            | 6.9                         | 54                                    | ---   | 60                                          | ---                    | ---                                   | ---                                         |
| Terminal Block               | 230   | 8.8  | 30,000            | 6.9                         | 57                                    | ---   | 60                                          | ---                    | ---                                   | ---                                         |
| ECB45-10CB ( <b>27A15</b> )  | 240   | 9.6  | 32,700            | 6.9                         | 59                                    | ---   | 60                                          | ---                    | ---                                   | ---                                         |
| 60A Circuit Breaker          |       |      |                   |                             |                                       |       |                                             |                        |                                       |                                             |
| <b>12.5 kW</b>               | 208   | 9.4  | 32,000            | 6.9                         | 46                                    | 19    | 50                                          | <sup>4</sup> <b>20</b> | 65                                    | 70                                          |
| ECB45-12.5CB                 | 220   | 10.5 | 35,800            | 6.9                         | 48                                    | 20    | 50                                          | <sup>4</sup> <b>20</b> | 68                                    | 70                                          |
| ( <b>27A16</b> )             | 230   | 11.5 | 39,200            | 6.9                         | 50                                    | 21    | 50                                          | 25                     | 71                                    | 80                                          |
| (1) 50A and (1) 25A          | 240   | 12.5 | 42,600            | 6.9                         | 52                                    | 22    | <sup>4</sup> <b>60</b>                      | 25                     | 74                                    | 80                                          |
| Circuit Breaker              |       |      |                   |                             |                                       |       |                                             |                        |                                       |                                             |
| <b>15 kW</b>                 | 208   | 10.8 | 36,900            | 6.9                         | 52                                    | 22    | 60                                          | 25                     | 74                                    | 80                                          |
| ECB45-15CB ( <b>27A17</b> )  | 220   | 12.1 | 41,300            | 6.9                         | 54                                    | 23    | 60                                          | 25                     | 77                                    | 80                                          |
| (1) 60A and (1) 25A          | 230   | 13.2 | 45,100            | 6.9                         | 57                                    | 24    | 60                                          | 25                     | 80                                    | 80                                          |
| Circuit Breaker              | 240   | 14.4 | 49,100            | 6.9                         | 59                                    | 25    | 60                                          | 25                     | 84                                    | 80                                          |
| <b>20 kW</b>                 | 208   | 14.4 | 49,200            | 6.9                         | 52                                    | 43    | 60                                          | <sup>4</sup> <b>45</b> | 95                                    | 100                                         |
| ECB45-20CB ( <b>27A18</b> )  | 220   | 16.1 | 55,000            | 6.9                         | 54                                    | 46    | 60                                          | 50                     | 100                                   | 100                                         |
| (1) 60A and (1) 50A          | 230   | 17.6 | 60,100            | 6.9                         | 57                                    | 48    | 60                                          | 50                     | 104                                   | 110                                         |
| Circuit Breaker              | 240   | 19.2 | 65,500            | 6.9                         | 59                                    | 50    | 60                                          | 50                     | 109                                   | 110                                         |

**NOTE** - Circuit 1 Minimum Circuit Ampacity includes the Blower Motor Full Load Amps.

<sup>1</sup> Electric heater capacity only - does not include additional blower motor heat capacity.

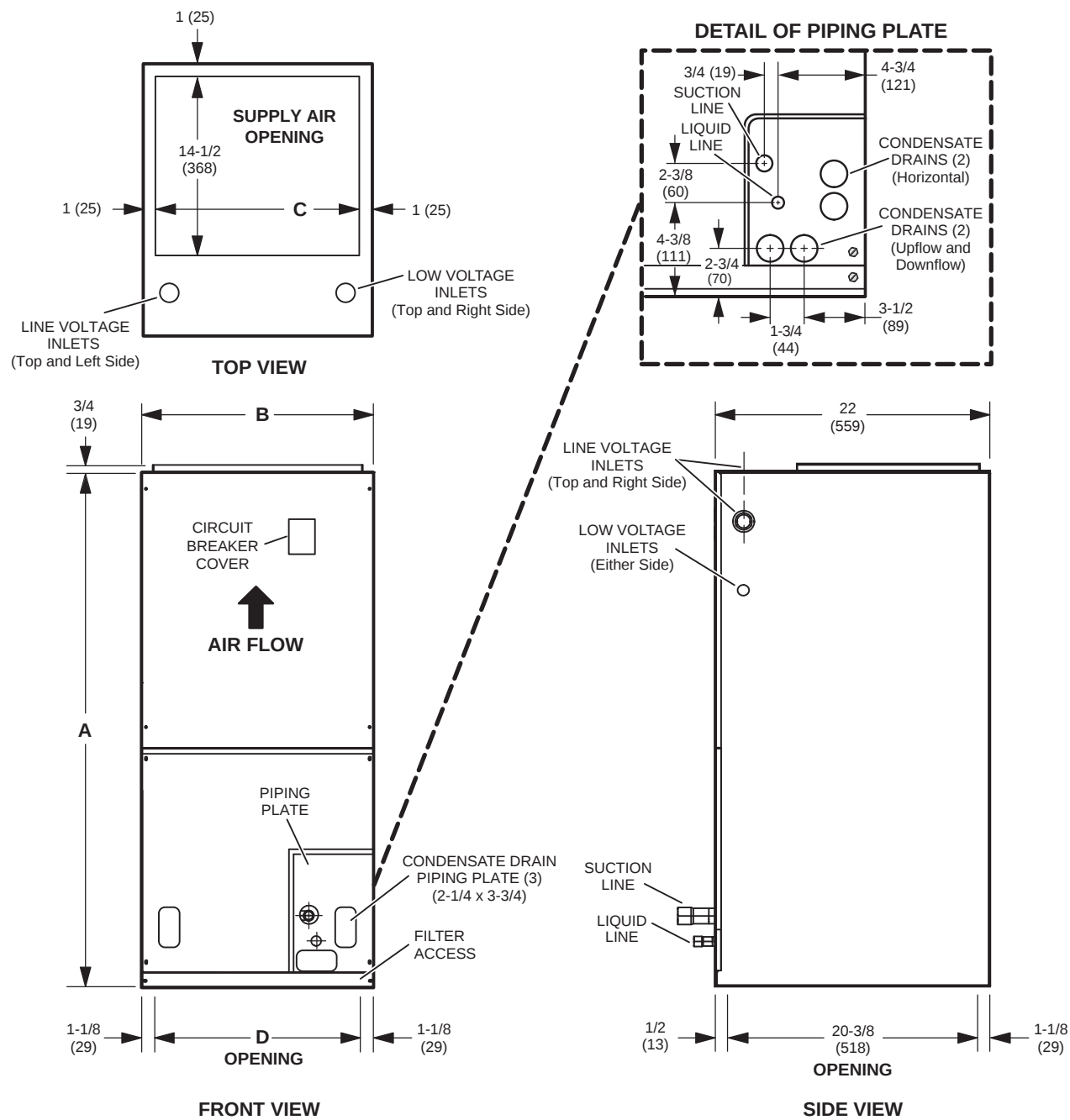
<sup>2</sup> Refer to National or Canadian Electrical Code manual to determine wire, fuse and disconnect size requirements. Use wires suitable for at least 167°F.

<sup>3</sup> HACR type breaker or fuse.

<sup>4</sup> **Bold indicates that the circuit breaker on "CB" circuit breaker models must be replaced with size shown. See table on page 9.**

UNIT DIMENSIONS - IN. (MM)

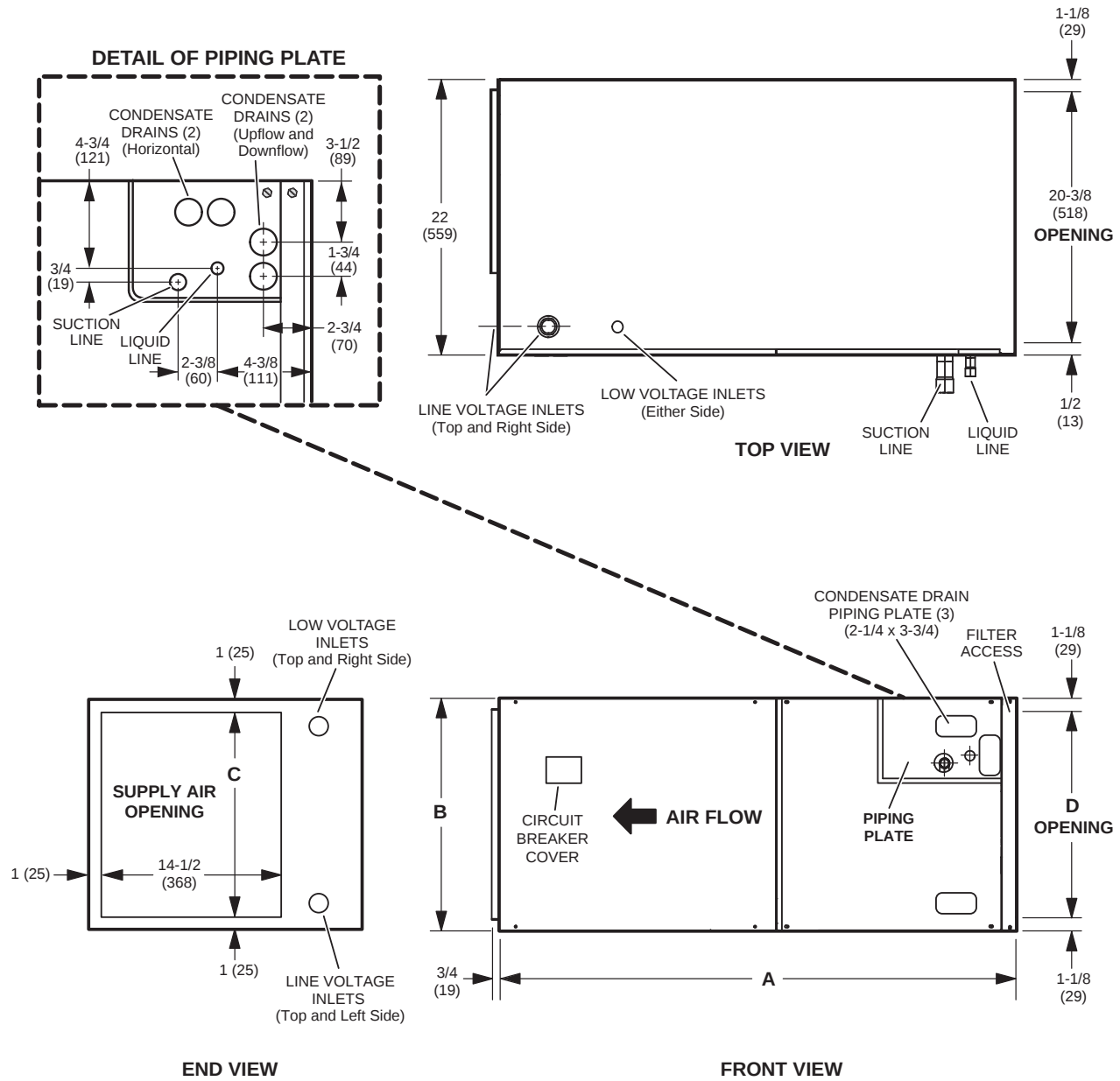
UNIT - UPFLOW POSITION



| Dimension | 018    |      | 024    |      | 030    |      | 036, 042 |      | 048    |      | 060    |      |
|-----------|--------|------|--------|------|--------|------|----------|------|--------|------|--------|------|
|           | in.    | mm   | in.    | mm   | in.    | mm   | in.      | mm   | in.    | mm   | in.    | mm   |
| A         | 43-1/2 | 1105 | 45-1/2 | 1156 | 47     | 1194 | 53-5/8   | 1362 | 55     | 1397 | 59-3/4 | 1518 |
| B         | 18-1/2 | 470  | 18-1/2 | 470  | 18-1/2 | 470  | 21-1/2   | 546  | 21-1/2 | 546  | 21-1/2 | 546  |
| C         | 16-1/2 | 419  | 16-1/2 | 419  | 16-1/2 | 419  | 19-1/2   | 495  | 19-1/2 | 495  | 19-1/2 | 495  |
| D         | 16-1/4 | 413  | 16-1/4 | 413  | 16-1/4 | 413  | 19-1/4   | 489  | 19-1/4 | 489  | 19-1/4 | 489  |

## UNIT DIMENSIONS - IN. (MM)

## UNIT - HORIZONTAL POSITION

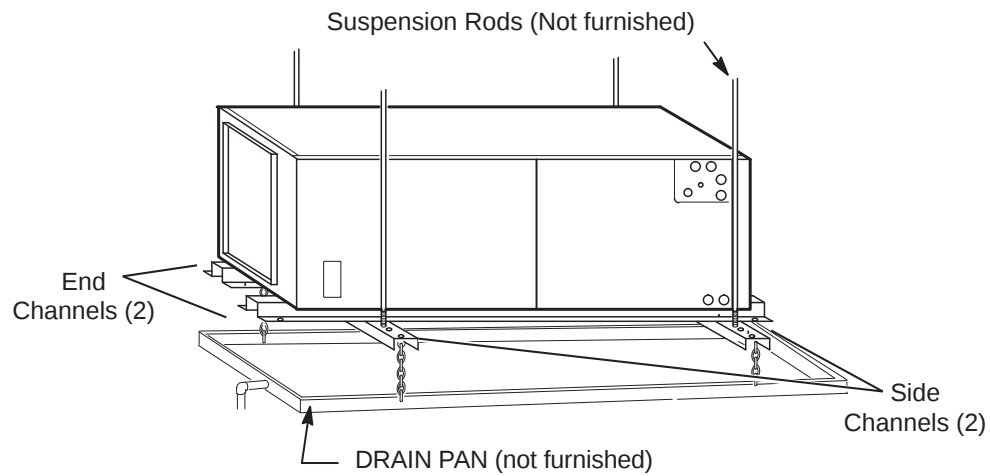


| Dimension | 018    |      | 024    |      | 030    |      | 036, 042 |      | 048    |      | 060    |      |
|-----------|--------|------|--------|------|--------|------|----------|------|--------|------|--------|------|
|           | in.    | mm   | in.    | mm   | in.    | mm   | in.      | mm   | in.    | mm   | in.    | mm   |
| A         | 43-1/2 | 1105 | 45-1/2 | 1156 | 47     | 1194 | 53-5/8   | 1362 | 55     | 1397 | 59-3/4 | 1518 |
| B         | 18-1/2 | 470  | 18-1/2 | 470  | 18-1/2 | 470  | 21-1/2   | 546  | 21-1/2 | 546  | 21-1/2 | 546  |
| C         | 16-1/2 | 419  | 16-1/2 | 419  | 16-1/2 | 419  | 19-1/2   | 495  | 19-1/2 | 495  | 19-1/2 | 495  |
| D         | 16-1/4 | 413  | 16-1/4 | 413  | 16-1/4 | 413  | 19-1/4   | 489  | 19-1/4 | 489  | 19-1/4 | 489  |

## UNIT DIMENSIONS - IN. (MM)

## ACCESSORIES

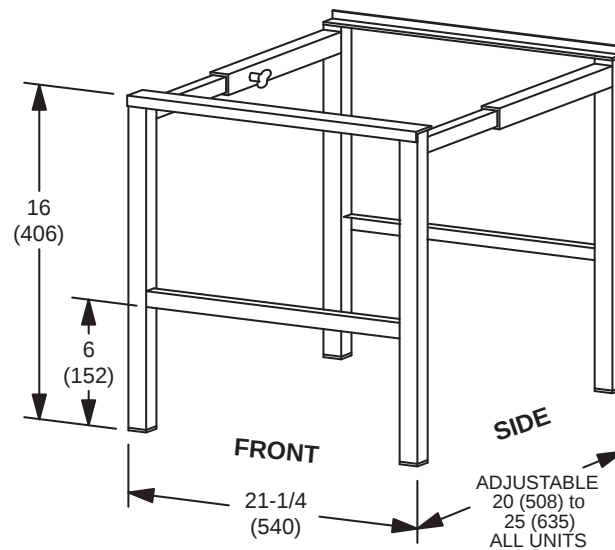
## HORIZONTAL SUPPORT FRAME KIT



Includes (2) 1 x 1-1/2 x 32-5/8 in. side channels and  
(2) 1 x 3 x 53-7/8 in. end channels.

## SIDE RETURN UNIT STAND

(Upflow Only)





**GE APPLIANCES**

All specifications and illustrations subject  
to change without notice and without  
incurring obligations.

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