

- TERMINAL UNIT TYPE**
- C - Throttling Unit Electric/Electronic Controls (For Model AVE\_)
  - G - Constant Volume Fan Powered Unit With Electric/Electronic Controls (For Model ACE\_)
  - R - Intermittent Volume Fan Powered Unit With Electric/Electronic Controls (For Models ASE\_)

**\* COIL SIZE CODE SELECTION**

| COIL SIZE CODE | MODEL/SIZE | MODEL/FAN SIZE      |
|----------------|------------|---------------------|
|                | AVE        | H & J SERIES        |
| A              | 05/06      | —                   |
| B              | 07/08      | —                   |
| F              | 10         | —                   |
| H              | 12         | —                   |
| L              | 14         | —                   |
| M              | 16         | —                   |
| T              | 18/24      | —                   |
| Y              | —          | —                   |
| C              | —          | —                   |
| D              | —          | A,B,C,D             |
| E              | —          | —                   |
| J              | —          | E,F**               |
| N              | —          | AS 14-16 E,F / AC G |
| R              | —          | H,J                 |

\*\* Not for AS 14/16 fan sizes E,F.

**VALID ELECTRICAL COMBINATIONS**

| CODE | SUPPLY/  | CONTROL TYPES | ACCEPTABLE MODEL TYPES (See 3rd Character of Heater PID) |                  |
|------|----------|---------------|--|------------------|
|      |          | ELEC.         | Terminal Unit Type                                       | Fan Voltage Code |
| A    | 120/1/24 | X             | C,G,R  | 1,3              |
| C    | 208/1/24 | X             | C,G  | 8                |
| E    | 240/1/24 | X             | C,G  | 5,9              |
| G    | 277/1/24 | X             | C,G,R  | 2,4              |
| J    | 480/1/24 | X             | C,G  |                  |
| K *  | 208/3/24 | X             | C,G,R  | 1,3,8            |
| N    | 240/3/24 | X             | C,G  | 5,9              |
| R *  | 480/3/24 | X             | C,G,R  | 2,4              |

\* Requires 4-wire system.

**NOTES:**

1. For pneumatically controlled electric heaters contact factory.
2. Maximum and minimum KW must be within range.
3. Right and left hand of heater (space 5) must be ordered the same as the corresponding terminal unit.
4. UL and NEC codes require supply line fusing on all heaters that draw 48 amps or more.
5. Low voltage transformers, air flow switch, primary and secondary thermal cut-outs and door interlocking disconnect switch are standard.

**CUSTOM BUILT DUCT HEATERS - SLIP-IN or FLANGE CONNECTION**

Our custom designed duct heaters are built to the same quality standards as our regular line of electric duct heaters. These open coil duct heaters can be used in most constant or variable volume HVAC duct systems where space permits. This duct heater design allows for stand-alone operation or as an addition to existing air terminal units in VAV systems.

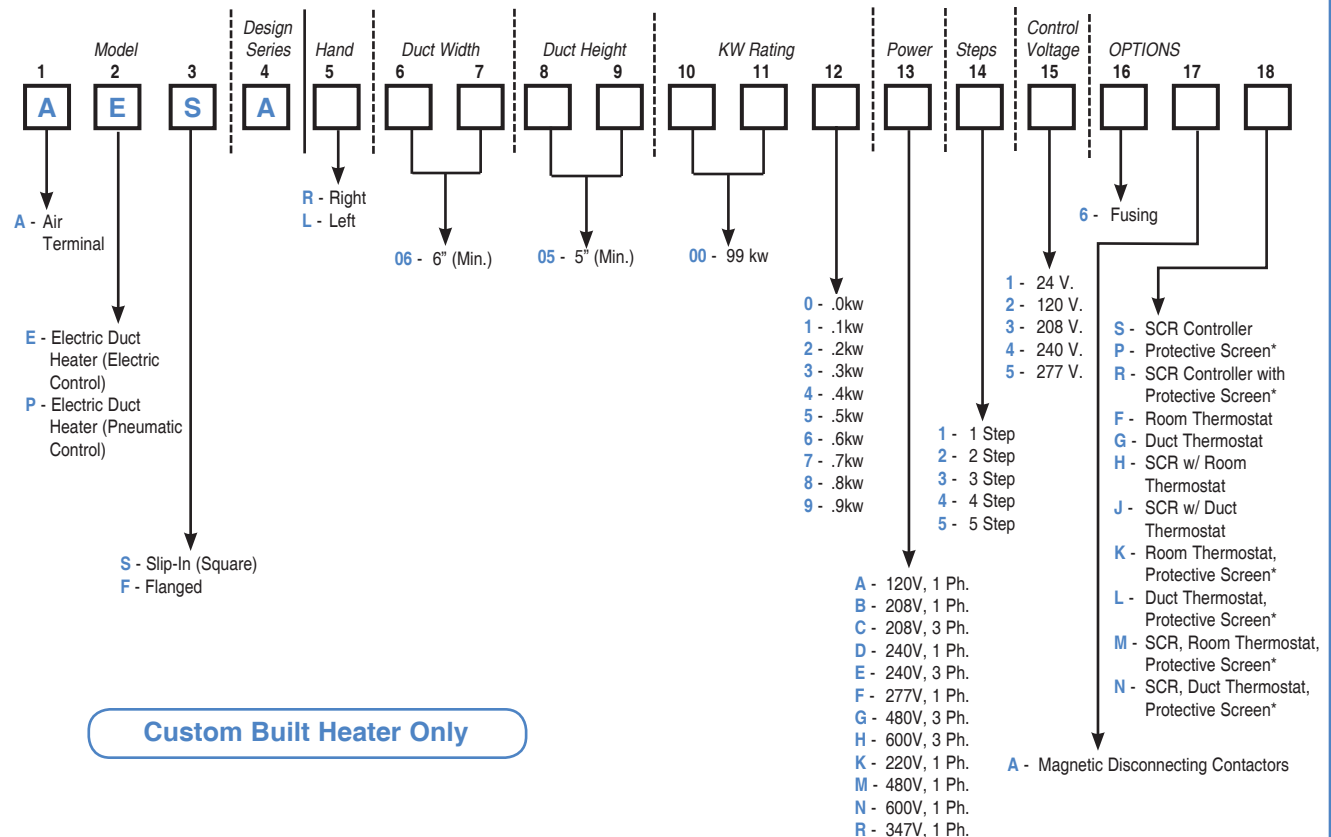
**ETL LISTED and APPROVED to UL STANDARDS**

Carnes custom duct heaters have been tested and certified to the American Standard # **UL STD 1996 UL** File Number E245517.

**PRODUCT QUALITY and SAFETY**

All Custom electric heater components have been selected following the same stringent selection procedure as our standard units. Our custom heaters also include the same safety devices utilized on our standard heaters. For specific information regarding optional and standard components, safety features or construction of our heaters, see the appropriate section of this catalog. Heaters are quality built by Indeeco.

**ORDERING INFORMATION — Custom Built Electric Duct Heater**



\*Protective screens are to be field installed.