



Representative image only. Some models may vary in appearance. Due to continuous product improvement, specifications are subject to change without notice.



For complete warranty details visit www.AspenMfg.com

Product Features and Specifications

APPLICATION VERSATILITY

Upflow or horizontal left as shipped (field convertible for downflow or horizontal right).

MOTOR

X-13 has 5 speed taps. Multi-speed option available with option code. Motors are pre-programmed at the factory.

CABINET

Sturdy, low profile galvanized steel cabinet with painted front panels. Cabinet fully insulated with 1/2" micro mat non-hygroscopic insulation to prevent sweating and mold growth, to encapsulate glass fibers, and to provide excellent R-value. Stick pins ensure insulation remains in place. Units ship with disposable filter in filter rack.

MODULAR ELECTRIC HEAT KITS

Heat kits available with either circuit breakers or terminal blocks. Available with 3 to 30 KW. Models with electric heat include sequencers and temperature limit switches for safe, efficient operation. Modules are easily installed in the field using Molex plugs or can be ordered factory-installed. Controls are accessible from the front for easy service. Electrical connections can be made from the top or left. Disconnect does not protrude through the wall panel. Fan time delay relay standard.

BLOWER

Direct drive multi-speed blowers circulate air quietly and efficiently and allow for precise air volume selection. Five motor speeds can be easily selected via motor terminals. Blowers mounted on rails so they can be easily removed for service.

WARRANTY

Five-year limited parts warranty.

OPTIONS

See Options menu.



AEL SERIES

MULTI-POSITION HIGH-EFFICIENCY ELECTRIC FURNACE

| HEATING AND COOLING PERFORMANCE AND ELECTRICAL DATA | | | | | | | | | | |
|---|-----------|----------------------------|--------------|------|--------------------------|-------|--------------------------------|------------|--------------------------|----------|
| MODEL | HEAT KIT | PERFORMANCE DATA | | | | | ELECTRICAL DATA | | | |
| | | NOMINAL COOLING (BTUS) | HEATING (KW) | | HEATING CAPACITY (MBTUH) | | MINIMUM CIRCUIT AMPACITY (MCA) | | MAX BREAKER OR FUSE SIZE | |
| | | | 208V | 240V | 208V | 240V | 208V | 240V | 208V | 240V |
| AELS | E(C,T)S00 | 18,000 24,000 | 0.0 | 0.0 | 0.0 | 0.0 | 3.5 | 3.5 | 15.0 | 15.0 |
| | E(C,T)S03 | | 2.3 | 3.0 | 7.8 | 10.2 | 17.0 | 19.1 | 20.0 | 20.0 |
| | E(C,T)S05 | | 3.6 | 4.8 | 12.6 | 16.4 | 25.1 | 28.5 | 25.0 | 30.0 |
| | E(C,T)S08 | | 6.0 | 8.0 | 20.8 | 27.3 | 39.6 | 45.2 | 40.0 | 45.0 |
| | E(C,T)S10 | | 7.2 | 9.6 | 25.3 | 32.8 | 46.8 | 53.5 | 50.0 | 60.0 |
| AELM | E(C,T)S00 | 30,000 36,000 | 0.0 | 0.0 | 0.0 | 0.0 | 5.1 | 5.1 | 15.0 | 15.0 |
| | E(C,T)S03 | | 2.3 | 3.0 | 7.8 | 10.2 | 18.6 | 20.8 | 20.0 | 25.0 |
| | E(C,T)S05 | | 3.6 | 4.8 | 12.6 | 16.4 | 26.8 | 30.1 | 30.0 | 30.0 |
| | E(C,T)S08 | | 6.0 | 8.0 | 20.8 | 27.3 | 41.2 | 46.8 | 45.0 | 50.0 |
| | E(C,T)S10 | | 7.2 | 9.6 | 25.3 | 32.8 | 48.4 | 55.1 | 50.0 | 60.0 |
| | E(C,T)S15 | | 11.3 | 14.4 | 38.5 | 49.1 | 48.4/21.6 | 55.1/25 | 50/25 | 60/25 |
| AELL | E(C,T)L00 | 42,000 48,000 60,000 | 0.0 | 0.0 | 0.0 | 0.0 | 9.5 | 9.5 | 20.0 | 20.0 |
| | E(C,T)L08 | | 6.1 | 8.0 | 7.8 | 10.2 | 45.6 | 51.2 | 45.0 | 60.0 |
| | E(C,T)L10 | | 7.4 | 9.6 | 12.6 | 16.4 | 52.8 | 59.5 | 60.0 | 60.0 |
| | E(C,T)L15 | | 11.3 | 14.4 | 38.6 | 49.1 | 52.8/21.6 | 59.5/25 | 60/25 | 60/25 |
| | E(C,T)L20 | | 14.4 | 19.2 | 49.1 | 65.5 | 52.8/43.3 | 59.5/50 | 60/45 | 60/50 |
| | E(C,T)L25 | | 18.0 | 24.0 | 61.4 | 81.9 | | 59.5/50/25 | 60/45/25 | 60/50/25 |
| | E(C,T)L30 | | 21.6 | 28.8 | 73.7 | 98.26 | | 59.5/50/50 | 60/45/45 | 60/50/50 |

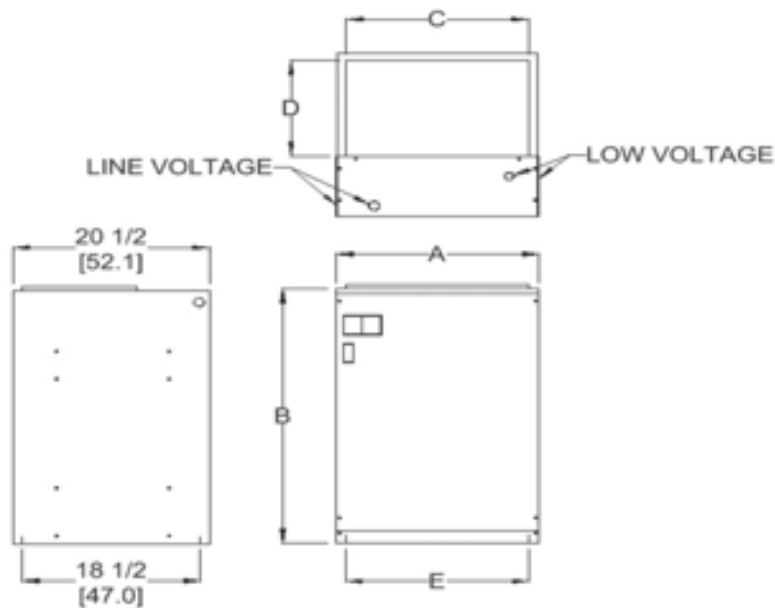
| BLOWER DATA | | | | | | | | | |
|-------------|-------------|----------|------------|---------------|---------------------------------|------|------|------|------|
| MODEL | MOTOR SPEED | MOTOR HP | MOTOR AMPS | MOTOR VOLTAGE | CFM VS EXTERNAL STATIC PRESSURE | | | | |
| | | | | | 0.10 | 0.20 | 0.30 | 0.40 | 0.50 |
| AELS | T1 | 1/3 | 2.8 | 650 | 650 | 590 | 0.30 | 500 | 470 |
| | T2 | | | | 685 | 650 | 600 | 575 | 540 |
| | T3 | | | | 885 | 850 | 810 | 775 | 750 |
| | T4 | | | | 1075 | 1040 | 1000 | 960 | 930 |
| | T5 | | | | 1300 | 1250 | 1210 | 1170 | 1130 |
| AELM | T1 | 1/2 | 4.1 | 990 | 990 | 980 | 930 | 800 | 750 |
| | T2 | | | | 1100 | 1050 | 1020 | 1000 | 950 |
| | T3 | | | | 1275 | 1240 | 1200 | 1175 | 1150 |
| | T4 | | | | 1450 | 1410 | 1380 | 1350 | 1310 |
| | T5 | | | | 1575 | 1550 | 1525 | 1490 | 1465 |
| AELL | T1 | 1 | 7.6 | 1340 | 1340 | 1200 | 1050 | 865 | 775 |
| | T2 | | | | 1480 | 1375 | 1230 | 1100 | 980 |
| | T3 | | | | 1725 | 1650 | 1630 | 1590 | 1540 |
| | T4 | | | | 1900 | 1865 | 1830 | 1775 | 1740 |
| | T5 | | | | 2120 | 2075 | 2015 | 1975 | 1940 |

*Dry coil with filter in place. CFM is based on a 3 row coil. For approximate CFM with a 4 row coil multiply CFM by .96

| AIR HANDLER CHASSIS NOMENCLATURE | | |
|--|---|-------------|
| AAL | S | -001 |
| AEL = 240V X13 MOTOR MULTI-POSITION ELECTRIC FURNACE | S = 18 & 24 M = 30 & 36 L = 42, 48 & 60 | OPTION CODE |

| ELECTRIC HEAT KIT NOMENCLATURE | | | |
|--------------------------------|---|------------------------|--|
| E | C | S | 03 |
| ELECTRIC HEAT | INTERRUPTION C = CIRCUIT BREAKER T = TERMINAL BLOCK P = SINGLE POINT HOOKUP 3 = 3-PHASE CIRCUIT BREAKER 4 = 3-PHASE TERMINAL BLOCK | S = 18-36 L = 42-60 | Heat Strip Heat Strip 03 = 3 KW 05 = 5 KW 06 = 6 KW 08 = 8 KW 10 = 10 KW 12 = 12 KW 15 = 15 KW 20 = 20 KW 24 = 24 KW 25 = 25 KW 30 = 30 KW |

| DIMENSIONS AND SPECIFICATIONS | | | | | | | | |
|-------------------------------|---------|----------|--------------|--------|----------------|-------------|-------------------|----------|
| MODEL | WIDTH A | HEIGHT B | DUCT OPENING | | BOTTOM OPENING | FILTER SIZE | SHIP WEIGHT (LBS) | SKID QTY |
| | | | C | D | E | | | |
| AELS | 21 | 26 | 18-3/4 | 12 | 18-1/2 | 16X20 | 69 | 8 |
| AELM | 21 | 26 | 18-3/4 | 12 | 18-1/2 | 16X20 | 78 | 8 |
| AELL | 24-1/2 | 32 | 22-1/4 | 10-1/2 | 22 | 20x20 | 89 | 8 |



Ask for Aspen. North America's Largest Independent Coil and Air Handler Manufacturer.

Aspen Manufacturing is one of the largest independent evaporator coil and air handler manufacturers for the heating, ventilation, and air conditioning (HVAC) industry. As a recognized leader in product quality and indoor comfort, Aspen has continued to deliver on its promise of world-class performance since 1975. All products are designed, engineered, and manufactured in the United States with a commitment to utilizing a US supply chain where possible. The company's product offerings include high-quality residential and light commercial evaporator coils, blowers, and air handling units for multi-family, single-family residential, and manufactured homes.



Aspen utilizes state-of-the-art fabrication, assembly equipment, and stringent quality processes to maintain the highest possible quality in its products. The company adheres to its award-winning lean manufacturing system designed to eliminate inefficient procedures, policies, and production practices. Incorporating ISO techniques, the company's quality management system (QMS) ensures product delivery that meets the highest industry standards. Beyond technical compliance, Aspen can quickly adapt to changing market demands thanks to the company's nimble ability to react to changes in requirements and leadership's commitment to enabling a customer-centered company philosophy.



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