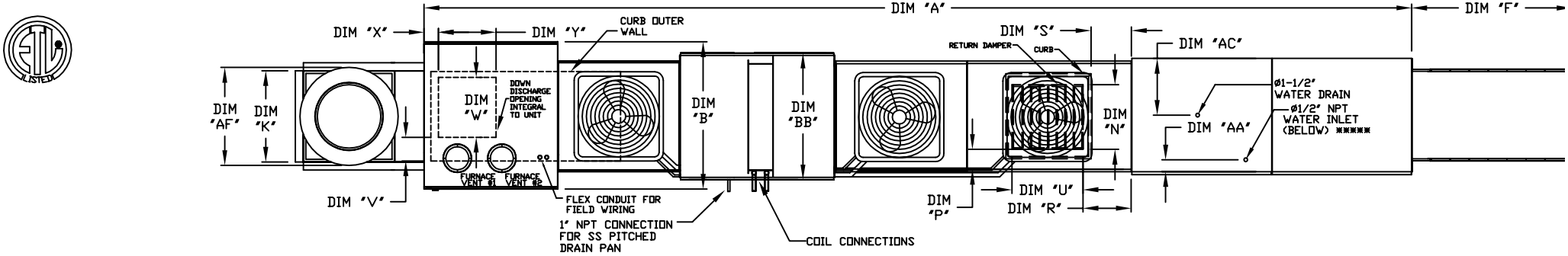
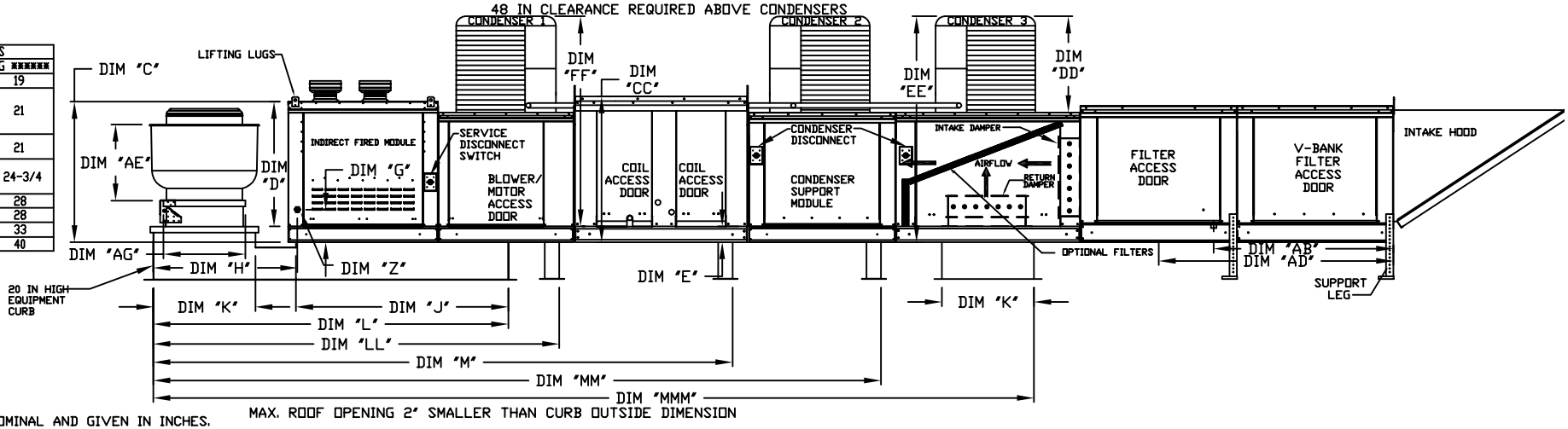
# MODULAR OUTDOOR DOWN DISCHARGE IBT HEATER-ROOF TOP PACKAGE WITH COOLING COIL, MIXING BOX, LPD EVAPORATIVE COOLER INTAKE, V-BANK FILTER AND INTAKE HOOD

IHVBLPDECMBCCSAHIBTRTP-MPU-15
REV.#1 07/25/2012




| EXHAUST UNIT DIMENSIONS | | | |
|---|---|---|---|
| MODEL # | AE | AF | AG ****** |
| DU12HFA | 14-1/2 | 22 | 19 |
| NCA8FA<br>DU25HFA<br>DU30HFA<br>DU33HFA | 18-1/2 | 27-1/4 | 21 |
| NCA10FA<br>DU50HFA | 21-1/2 | 30-1/4 | 21 |
| NCA14FA<br>DU75HFA<br>DU85HFA | 23 | 33-3/4 | 24-3/4 |
| NCA16FA | 23-1/2 | 39-3/8 | 28 |
| NCA18FA | 29-1/2 | 38-7/8 | 28 |
| NCA24FA | 30-5/8 | 43-3/8 | 33 |
| NCA30FA | 33-1/2 | 52-3/4 | 40 |

ALL DIMENSIONS ARE NOMINAL AND GIVEN IN INCHES.

| MODEL | UNIT DIMENSIONS | | | | | | | | | | | | | | | | | MIXING BOX OPENING | | | | | DOWN DISCHARGE OPENING | | | | GAS CONNECTION | # OF FURNACES | WATER INLET | | DRAIN OPENING | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | A | B | BB | C | CC | D | E | F | G | H | J | K | L | LL | M | MM | MMM | N | P | R | S | U | V | W | X | Y | "Z" (NPT) | | AA | AB | AC | AD |
| 3-IBT.400-G18 | 302-3/4 | 57-3/4 | 54-3/8 | 57-1/16 | 56-3/8 | 51-13/16 | 5-1/4 | 76-3/8 | 10-3/4 | 50-1/8 | 84 | 35 | 133 | 151-3/16 | 193-7/16 | 235-11/16 | 274-13/16 | 28 | 8 | 7 | 4-1/2 | 30 | 6-3/4 | 26-1/2 | 4-1/8 | 26-1/2 | 1 | 1 | 4-1/2 | 41-1/8 | 23-1/2 | 52-7/8 |
| 3-IBT.600-300-300-G18 | 302-3/4 | 57-3/4 | 54-3/8 | 57-1/16 | 56-3/8 | 51-13/16 | 5-1/4 | 76-3/8 | 10-3/4 | 50-1/8 | 84 | 35 | 133 | 151-3/16 | 193-7/16 | 235-11/16 | 274-13/16 | 28 | 8 | 7 | 4-1/2 | 30 | 6-3/4 | 26-1/2 | 4-1/8 | 26-1/2 | 1 | 2 | 4-1/2 | 41-1/8 | 23-1/2 | 52-7/8 |
| 3-IBT.800-400-400-G18 | 302-3/4 | 57-3/4 | 54-3/8 | 57-1/16 | 56-3/8 | 51-13/16 | 5-1/4 | 76-3/8 | 10-3/4 | 50-1/8 | 84 | 35 | 133 | 151-3/16 | 193-7/16 | 235-11/16 | 274-13/16 | 28 | 8 | 7 | 4-1/2 | 30 | 6-3/4 | 26-1/2 | 4-1/8 | 26-1/2 | 1 | 2 | 4-1/2 | 41-1/8 | 23-1/2 | 52-7/8 |

UNIT INFORMATION

| MODEL | BTU RANGE (MBH)** | | | TURNDOWN RATIO | COMBUSTION EFFICIENCY*** | GAS PRESSURE**** | |
|---|---|---|---|---|---|---|---|
| | BURNER INPUT | BTU LOW | BTU HIGH | | | MIN | MAX |
| 3-IBT.400-G18 | 400 | 53.3 | 320 | 6 | 80.0% | 7" WC | 14" WC |
| 3-IBT.600-300-300-G18 | 600 | 40 | 480 | 12 | 80.0% | 7" WC | 14" WC |
| 3-IBT.800-400-400-G18 | 800 | 53.3 | 640 | 12 | 80.0% | 7" WC | 14" WC |

| CELDEK EVAPORATIVE COOLING UNIT | | | |
|---|---|---|---|
| TOT. WEIGHT | MEDIA SIZE & QTY | NOZZLES | MAX. FLOW RATE |
| 3177 LBS | 38"x43"x12" | 35 | 10.15 GPH |
| 3295 LBS | 38"x43"x12" | 35 | 10.15 GPH |
| 3433 LBS | 38"x43"x12" | 35 | 10.15 GPH |

| V-BANK INFORMATION |
|---|
| FILTER SIZE & QTY |
| 16"x20"x2" (15) |
| 16"x20"x2" (15) |
| 16"x20"x2" (15) |

| CONDENSER INFORMATION | | | | | | | |
|---|---|---|---|---|---|---|---|
| MODEL | WEIGHT* | TONNAGE | | | DD | EE | FF |
| | | #1 | #2 | #3 | | | |
| 15 TON-G18 | 570 LBS | 5 TON | 5 TON | 5 TON | 26-1/2 | 69-7/8 | 64-9/16 |

R410A REFRIGERANT

| OPTIONAL MIXING BOX FILTERS | |
|---|---|
| MODEL | FILTER SIZE & QTY |
| G18 | 15"x20"x2" (4), 15"x15"x2" (2) |

* ADD CONDENSING UNIT WEIGHT TO WEIGHT IN TABLE ABOVE

** ALL MODELS ARE FULLY ELECTRONICALLY MODULATING

*** COMBUSTION EFFICIENCY OF EVERY UNIT IS 80.0% OVER THE ENTIRE GAS FIRING RANGE.

**** GAS PRESSURES IN TABLE ARE FOR NATURAL GAS, LP MINIMUM GAS INLET PRESSURE = 11" W.C.

***** MAX. EVAP WATER PRESSURE = 50 PSI @ 70 DEG. F

****** 9 INCH HIGH EXHAUST ADAPTER MAY BE REQUIRED