

| FAN UNIT NO. | TAG | FAN UNIT MODEL # | CFM  | ESP.  | RPM  | H.P.  | B.H.P. | Ø | VOLT | FLA | DISCHARGE VELOCITY | WEIGHT (LBS.) | SONES |
|--------------|-----|------------------|------|-------|------|-------|--------|---|------|-----|--------------------|---------------|-------|
| 1            |     | NCA16FA          | 3450 | 1.250 | 1223 | 2.000 | 1.3860 | 3 | 208  | 5.9 | 797 FPM            | 184           | 17.6  |
| 2            |     | NCA16FA          | 3450 | 1.250 | 1223 | 2.000 | 1.3860 | 3 | 208  | 5.9 | 797 FPM            | 184           | 17.6  |
| 3            |     | DB7FA            | 450  | 0.250 | 1128 | 0.250 | 0.0850 | 1 | 115  | 4.8 |                    | 89            | 6.2   |

| FAN UNIT NO. | TAG | FAN UNIT MODEL # | BLOWER | HOUSING | MIN CFM | DESIGN CFM | ESP.  | RPM | H.P.  | B.H.P. | Ø | VOLT | FLA  | COOLING COIL ENTERING DB TEMP. | COOLING COIL ENTERING WB TEMP. | COOLING COIL LEAVING DB TEMP. | COOLING COIL LEAVING WB TEMP. | COOLING COIL TOTAL CAPACITY | COOLING COIL SENSIBLE CAPACITY | COOLING COIL LATENT CAPACITY | WEIGHT (LBS.) | SDNES | BURNER EFFICIENCY(%) |
|--------------|-----|------------------|--------|---------|---------|------------|-------|-----|-------|--------|---|------|------|--------------------------------|--------------------------------|-------------------------------|-------------------------------|-----------------------------|--------------------------------|------------------------------|---------------|-------|----------------------|
| 4            |     | A3-D500-G18      | G18-PB | A3-D500 | 3500    | 5520       | 0.750 | 922 | 5.000 | 3.7620 | 3 | 208  | 15.0 | 95.0°F                         | 78.0°F                         | 81.9°F                        | 72.9°F                        | 120.0 MBH                   | 77.9 MBH                       | 42.1 MBH                     | 1675          | 17.7  | 92                   |

| FAN<br>UNIT<br>NO. | TAG | INPUT<br>BTUs | OUTPUT<br>BTUs | TEMP. RISE | REQUIRED INPUT GAS<br>PRESSURE | GAS TYPE |
|--------------------|-----|---------------|----------------|------------|--------------------------------|----------|
| 4                  |     | 407160        | 374587         | 65 deg F   | 7 in. w.c. - 14 in. w.c.       | Natural  |

| FAN UNIT NO. | TAG | OPTION (Qty. - Descr.)   |
|--------------|-----|--|
| 1            |     | 1 - Grease Box   |
|              |     | 1 - Upblast Fan Wheel Access Port  |
| 2            |     | 1 - Grease Box   |
|              |     | 1 - Upblast Fan Wheel Access Port  |
| 3            |     | 1 - 1 1/2" BDD Damper  |
| 4            |     | 1 - AC Interlock Relay - 24VAC Coil  |
|              |     | 1 - Low Fire Start   |
|              |     | 1 - Inlet Pressure Gauge, 0-35"  |
|              |     | 1 - Manifold Pressure Gauge, -5 to 15" wc  |
|              |     | 1 - Motorized Backdraft Damper for A3-D Housing  |
|              |     | 1 - DX Coil Module -3,000 to 7,000 CFM (10 Ton 2 Circuit Coil)                             |
|              |     | 1 - Downturn Plenum for Size 3 DX Coil Module  |
|              |     | 1 - 10 Ton, 2 Circuit, 208/230V 3 Phase Condenser Kit. 4-6 week lead time.                 |
|              |     | 1 - Curb Duct Hanger   |
|              |     | 1 - Cooling Thermostat and Relay (Not req for evap)  |
|              |     | 1 - DXM 3-1 Refrigeration Parts Kit - R410A  |
|              |     | 1 - VAV Package w/ Manual Control (VFD Included)   |
|              |     | 1 - VFD factory mounted and wired in commercial control vestibule for tempered supply fan. |

| FAN<br>UNIT<br>NO. | TAG | EXHAUST       |                   |               | SUPPLY            |                   |                     |               |
|--------------------|-----|---------------|-------------------|---------------|-------------------|-------------------|---------------------|---------------|
|                    |     | GREASE<br>CUP | GRAVITY<br>DAMPER | WALL<br>MOUNT | SIDE<br>DISCHARGE | GRAVITY<br>DAMPER | MOTORIZED<br>DAMPER | WALL<br>MOUNT |
| 1                  |     | YES           |                   |               |                   |                   |                     |               |
| 2                  |     | YES           |                   |               |                   |                   |                     |               |
| 3                  |     |               | YES               |               |                   |                   |                     |               |
| 4                  |     |               |                   |               |                   |                   | YES                 |               |

| NO. | ON FAN | WEIGHT | ITEM | SIZE   |
|-----|--------|--------|------|--|
| 1   | # 1    | 34 LBS | Curb | 26.500"W x 26.500"L x 24.000"H Vented Hinged |
| 2   | # 2    | 34 LBS | Curb | 26.500"W x 26.500"L x 24.000"H Vented Hinged |
| 3   | # 3    | 18 LBS | Curb | 19.500"W x 19.500"L x 12.000"H               |
| 4   | # 4    | 82 LBS | Curb | 35.000"W x 84.000"L x 20.000"H Insulated     |
|     | # 4    |        | Rail | 6.000"W x 35.000"L x 20.000"H                |

FOR QUESTIONS CALL THE  
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Technical drawing of the hood and fan assembly. The top view shows a square hood with a central fan unit. Dimensions include a total width of 39 3/8 inches, a fan width of 16 1/2 inches, and a base width of 24 inches. The side view shows a height of 33 3/4 inches from the base to the top of the hood, and a height of 22 5/8 inches from the base to the top of the fan unit. A grease drain is indicated on the side. A note points to the ductwork between the exhaust riser and fan, stating 'DUCTWORK BETWEEN EXHAUST RISER ON HOOD AND FAN (BY OTHERS)'.

GREASE BOX  
UPBLAST FAN WHEEL ACCESS PORT

I 15-BDD DAMPER

Diagram illustrating the dimensions and components of a 20 Gauge Steel Construction Vented Curb:

- Overall width: 26 1/2"
- Overall height: 24"
- Internal width: 26 1/2"
- Internal height: 24"
- Component labels:
  - VENTED CURB
  - 20 GAUGE STEEL CONSTRUCTION
  - 3" FLANGE
- Roof opening dimensions: 24" x 24" (indicated by dashed lines).

Diagram illustrating the dimensions and construction of a roof curb:

- Top width: 19 1/2'
- Front width: 19 1/2'
- Height: 12"
- Material: 20 GAUGE STEEL CONSTRUCTION
- Feature: CURB
- Base: 3" FLANGE
- Roof Opening Dimensions: 16' x 16'

SPECIFY PITCH:  
EXAMPLE: 7/12 PITCH = 30° SLOPE

A cross-sectional diagram of a roof opening. A horizontal line represents the roof surface. Below it, a vertical section shows a structure with a zigzag pattern at the bottom, labeled '16 (ROOF OPENING)'. Above the roof surface, an arrow points upwards and is labeled 'AIR FLOW'. A component labeled 'BACKDRAFT DAMPER' is shown as a horizontal bar with a handle, positioned below the roof surface and above the vertical structure.

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