

ALL DIMENSIONS ARE NOMINAL AND GIVEN IN INCHES.

MAX. ROOF OPENING 2" SMALLER THAN CURB OUTSIDE DIMENSION

UNIT INFORMATION

| MODEL | A | B | C | D | E | F | G | H | J | K | N | P | R | S | W | X | Y |
|------------|-----|-----|---------|---------|---------|--------|---------|----------|----------|--------|----------|--------|--------|---------|-------|--------|--------|
| D-250-G10 | 138 | 7/8 | 29-3/4 | 26-1/16 | 3-3/4 | 44-3/8 | 7-13/16 | 34-13/16 | 21 | 71 | 13-1/4 | 11-1/2 | 6-3/8 | 11-7/8 | 4-1/2 | 38 1/2 | 13 |
| D-500-G10 | 138 | 7/8 | 29-3/8 | 26-1/16 | 3-3/4 | 44-3/8 | 7-13/16 | 34-13/16 | 21 | 71 | 13-1/4 | 11-1/2 | 6-3/8 | 11-7/8 | 4-1/2 | 38 1/2 | 13 |
| D-250-G15 | 146 | 7/8 | 27-3/8 | 26-1/16 | 3-3/4 | 44-3/8 | 7-13/16 | 34-13/16 | 21 | 79 | 18-3/4 | 16 | 8-5/8 | 14-1/16 | 4-1/2 | 38 1/2 | 18 |
| D-500-G15 | 146 | 7/8 | 27-3/8 | 26-1/16 | 3-3/4 | 44-3/8 | 7-13/16 | 34-13/16 | 21 | 79 | 18-3/4 | 16 | 8-5/8 | 14-1/16 | 4-1/2 | 38 1/2 | 18 |
| D-750-G15 | 146 | 7/8 | 31-3/8 | 26-1/16 | 3-3/4 | 44-3/8 | 7-13/16 | 34-13/16 | 21 | 79 | 18-3/4 | 16 | 8-5/8 | 14-1/16 | 4-1/2 | 38 1/2 | 18 |
| D-500-G18 | 163 | 7/8 | 41-3/8 | 43-3/8 | 38-1/16 | 5-1/4 | 51-5/8 | 9-1/2 | 47-13/16 | 35 | 84 | 22 | 19 | 17-7/8 | 4-1/2 | 44 | 20 |
| D-750-G18 | 163 | 7/8 | 41-3/8 | 43-3/8 | 38-1/16 | 5-1/4 | 51-5/8 | 9-1/2 | 47-13/16 | 35 | 84 | 22 | 19 | 17-7/8 | 4-1/2 | 44 | 20 |
| D-1000-G18 | 163 | 7/8 | 41-3/8 | 43-3/8 | 38-1/16 | 5-1/4 | 51-5/8 | 9-1/2 | 47-13/16 | 35 | 84 | 22 | 19 | 17-7/8 | 4-1/2 | 44 | 20 |
| D-1000-G20 | 189 | 1/4 | 48-7/16 | 51-3/8 | 46-1/8 | 5-1/4 | 76-3/8 | 13-9/16 | 66-5/16 | 42 | 115-3/16 | 24-7/8 | 24-7/8 | 19-1/8 | 4-1/2 | 41 1/8 | 23-1/2 |
| D-1500-G20 | 189 | 1/4 | 48-7/16 | 51-3/8 | 46-1/8 | 5-1/4 | 76-3/8 | 13-9/16 | 66-5/16 | 42 | 115-3/16 | 24-7/8 | 24-7/8 | 19-1/8 | 4-1/2 | 41 1/8 | 23-1/2 |
| D-2000-G25 | 199 | 1/4 | 59-3/16 | 58-3/8 | 53-1/8 | 5-1/4 | 71-3/8 | 13-3/4 | 76-7/16 | 55-3/4 | 125-3/16 | 31-3/8 | 31-3/8 | 21-9/16 | 4-1/2 | 41 1/8 | 28-7/8 |
| D-2500-G25 | 199 | 1/4 | 59-3/16 | 58-3/8 | 53-1/8 | 5-1/4 | 71-3/8 | 13-3/4 | 76-7/16 | 55-3/4 | 125-3/16 | 31-3/8 | 31-3/8 | 21-9/16 | 4-1/2 | 41 1/8 | 28-7/8 |

UNIT INFORMATION

| MODEL | BURNER BTU RANGE (MBH) | | GAS PRESSURE | | GAS CONNECTION | | STANDARD EVAPORATIVE COOLING UNIT | | CULDECK EVAPORATIVE COOLING UNIT | | | | | | | | |
|------------|------------------------|----------|--------------|--------|----------------|---------|-----------------------------------|------------------|----------------------------------|----------------|----|--------|----------|-------------|----------|----|----------|
| | BTU LOW | BTU HIGH | MIN | MAX | "r" | (NPT) | TOT. WEIGHT | MEDIA SIZE & QTY | VEL. | MAX. FLOW RATE | | | | | | | |
| D-250-G10 | 6" | 18 | 7" WC | 14" WC | 3/4" | (3/4) | 825 LBS | 20"x25"x2" | (3) | 406 FPM | 6 | 3 GPH | 1050 FPM | 12 | 3.9 GPH | | |
| D-500-G10 | 12" | 18 | 7" WC | 14" WC | 3/4" | (3/4) | 825 LBS | 20"x25"x2" | (3) | 406 FPM | 6 | 3 GPH | 1050 FPM | 12 | 3.9 GPH | | |
| D-250-G15 | 6" | 18 | 275" WC | 14" WC | 3/4" | (3/4) | 1155 LBS | 16"x20"x2" | (8) | 429 FPM | 10 | 5 GPH | 1150 LBS | 25"x32"x12" | 1080 FPM | 20 | 6.5 GPH |
| D-500-G15 | 12" | 18 | 550" WC | 14" WC | 1" | (1) | 1160 LBS | 16"x20"x2" | (8) | 429 FPM | 10 | 5 GPH | 1155 LBS | 25"x32"x12" | 1080 FPM | 20 | 6.5 GPH |
| D-750-G15 | 18" | 18 | 825" WC | 14" WC | 1" | (1) | 1175 LBS | 16"x20"x2" | (8) | 429 FPM | 10 | 5 GPH | 1165 LBS | 25"x32"x12" | 1080 FPM | 20 | 6.5 GPH |
| D-500-G18 | 12" | 18 | 550" WC | 14" WC | 1" | (1) | 1375 LBS | 20"x25"x2" | (8) | 348 FPM | 14 | 7 GPH | 1365 LBS | 30"x36"x12" | 1067 FPM | 28 | 8.4 GPH |
| D-750-G18 | 18" | 18 | 825" WC | 14" WC | 1" | (1) | 1380 LBS | 20"x25"x2" | (8) | 348 FPM | 14 | 7 GPH | 1375 LBS | 30"x36"x12" | 1067 FPM | 28 | 8.4 GPH |
| D-1000-G18 | 24" | 36.6 | 1100" WC | 14" WC | 1" | (1) | 1885 LBS | 20"x25"x2" | (8) | 348 FPM | 14 | 7 GPH | 1375 LBS | 30"x36"x12" | 1067 FPM | 28 | 8.4 GPH |
| D-1000-G20 | 24" | 36.6 | 1100" WC | 5" PSI | 1-1/4" | (1-1/4) | 2200 LBS | 16"x20"x2" | (15) | 572 FPM | 24 | 12 GPH | 2170 LBS | 38"x43"x12" | 1322 FPM | 35 | 10.5 GPH |
| D-1500-G20 | 30" | 45.8 | 1375" WC | 5" PSI | 1-1/4" | (1-1/4) | 2215 LBS | 16"x20"x2" | (15) | 572 FPM | 24 | 12 GPH | 2185 LBS | 38"x43"x12" | 1322 FPM | 35 | 10.5 GPH |
| D-2000-G25 | 48" | 73.3 | 2200" WC | 5" PSI | 1-1/2" | (1-1/2) | 2860 LBS | 20"x25"x2" | (12) | 638 FPM | 30 | 15 GPH | 2820 LBS | 45"x54"x12" | 1304 FPM | 42 | 12.6 GPH |
| D-2500-G25 | 60" | 91.6 | 2750" WC | 5" PSI | 1-1/2" | (1-1/2) | 2875 LBS | 20"x25"x2" | (12) | 638 FPM | 30 | 15 GPH | 2835 LBS | 45"x54"x12" | 1304 FPM | 42 | 12.6 GPH |

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Direct Fired Profile Burner Specifications:

Direct fired burners shall have patented US Patent No. US669523B2, self-adjusting profile plates designed to ensure proper air velocity and pressure drop across the burner. Profile plates shall allow burners to achieve clean combustion by lifting by-product levels to a maximum of 30ppm of carbon monoxide (CO) and 85ppm of nitrogen dioxide (NO2).

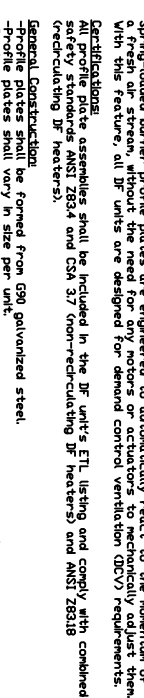
Application: Spring-loaded burner profile plates are engineered to automatically react to the momentum of the flame. Burner profile plates are designed to operate without the need for manual adjustments. With this feature, all DF units are designed for demand control ventilation (DCV) requirements.

General Construction: Burner profile plates are formed from G90 galvanized steel.

Profile plates shall vary in size per unit.

Profile plates shall be mounted along the same plane as the discharge of the burner.

Design shall incorporate properly torqued, permanently mounted spring hinges.



Direct Fired (DF) Profile Plate Assembly