

ALL DIMENSIONS ARE NOMINAL AND GIVEN IN INCHES.

| MODEL     | UNIT DIMENSIONS |         |        |        |        |         |        |       |       |        | CURB    |          | DISCHARGE OPENING |          |          |          | RETURN OPENING |        |        |        | WATER INLET |    |    |       |        |       |       |        |        |    |
|-----------|-----------------|---------|--------|--------|--------|---------|--------|-------|-------|--------|---------|----------|-------------------|----------|----------|----------|----------------|--------|--------|--------|-------------|----|----|-------|--------|-------|-------|--------|--------|----|
|           | A               | B       | BB     | C      | CC     | D       | DD     | E     | EE    | F      | G       | H        | J                 | K        | L        | N        | P              | R      | S      | T      | U           | V  | X  | AA    | AB     | AC    | AD    |        |        |    |
| D250-G10  | 148-7/8         | 27-3/8  | 36-3/4 | 29-3/4 | 36-3/4 | 26-1/16 | 33     | 3-3/4 | 3-3/4 | 53-5/8 | 7-13/16 | 34-13/16 | 21                | 71       | 106      | 137-7/16 | 13-1/4         | 11-1/2 | 3-7/8  | 36-3/4 | 14          | 8  | 14 | 14    | 12-1/2 | 18    | 4-1/2 | 6-1/4  | 18     | 16 |
| D300-G10  | 148-7/8         | 27-3/8  | 36-3/4 | 29-3/4 | 36-3/4 | 26-1/16 | 33     | 3-3/4 | 3-3/4 | 53-5/8 | 7-13/16 | 34-13/16 | 21                | 71       | 106      | 137-7/16 | 13-1/4         | 11-1/2 | 3-7/8  | 36-3/4 | 14          | 8  | 14 | 14    | 12-1/2 | 18    | 4-1/2 | 6-1/4  | 18     | 16 |
| D350-G15  | 162-7/8         | 37-3/8  | 40-3/4 | 36-3/4 | 43-3/8 | 33-1/16 | 38-1/8 | 3-3/4 | 3-3/4 | 51-5/8 | 7-13/16 | 42-13/16 | 31                | 79       | 124      | 160-7/16 | 18-3/4         | 16     | 6-1/8  | 50-1/2 | 22-3/4      | 8  | 11 | 7-1/2 | 24     | 4-1/2 | 5-3/4 | 20     | 19     |    |
| D400-G15  | 162-7/8         | 37-3/8  | 40-3/4 | 36-3/4 | 43-3/8 | 33-1/16 | 38-1/8 | 3-3/4 | 3-3/4 | 51-5/8 | 7-13/16 | 42-13/16 | 31                | 79       | 124      | 160-7/16 | 18-3/4         | 16     | 6-1/8  | 50-1/2 | 22-3/4      | 8  | 11 | 7-1/2 | 24     | 4-1/2 | 5-3/4 | 20     | 19     |    |
| D450-G18  | 165             | 41-3/8  | 47-1/8 | 43-3/8 | 51-3/8 | 38-1/16 | 46-1/8 | 5-1/4 | 5-1/4 | 76-3/8 | 9-1/2   | 47-13/16 | 35                | 84       | 133      | 172-7/16 | 22             | 19     | 6-1/2  | 56     | 28          | 8  | 7  | 4-1/2 | 30     | 4-1/2 | 5-3/4 | 20     | 19     |    |
| D500-G18  | 165             | 41-3/8  | 47-1/8 | 43-3/8 | 51-3/8 | 38-1/16 | 46-1/8 | 5-1/4 | 5-1/4 | 76-3/8 | 9-1/2   | 47-13/16 | 35                | 84       | 133      | 172-7/16 | 22             | 19     | 6-1/2  | 56     | 28          | 8  | 7  | 4-1/2 | 30     | 4-1/2 | 5-3/4 | 20     | 19     |    |
| D550-G18  | 165             | 41-3/8  | 47-1/8 | 43-3/8 | 51-3/8 | 38-1/16 | 46-1/8 | 5-1/4 | 5-1/4 | 76-3/8 | 9-1/2   | 47-13/16 | 35                | 84       | 133      | 172-7/16 | 22             | 19     | 6-1/2  | 56     | 28          | 8  | 7  | 4-1/2 | 30     | 4-1/2 | 5-3/4 | 20     | 19     |    |
| D600-G18  | 165             | 41-3/8  | 47-1/8 | 43-3/8 | 51-3/8 | 38-1/16 | 46-1/8 | 5-1/4 | 5-1/4 | 76-3/8 | 9-1/2   | 47-13/16 | 35                | 84       | 133      | 172-7/16 | 22             | 19     | 6-1/2  | 56     | 28          | 8  | 7  | 4-1/2 | 30     | 4-1/2 | 5-3/4 | 20     | 19     |    |
| D650-G18  | 165             | 41-3/8  | 47-1/8 | 43-3/8 | 51-3/8 | 38-1/16 | 46-1/8 | 5-1/4 | 5-1/4 | 76-3/8 | 9-1/2   | 47-13/16 | 35                | 84       | 133      | 172-7/16 | 22             | 19     | 6-1/2  | 56     | 28          | 8  | 7  | 4-1/2 | 30     | 4-1/2 | 5-3/4 | 20     | 19     |    |
| D700-G18  | 165             | 41-3/8  | 47-1/8 | 43-3/8 | 51-3/8 | 38-1/16 | 46-1/8 | 5-1/4 | 5-1/4 | 76-3/8 | 9-1/2   | 47-13/16 | 35                | 84       | 133      | 172-7/16 | 22             | 19     | 6-1/2  | 56     | 28          | 8  | 7  | 4-1/2 | 30     | 4-1/2 | 5-3/4 | 20     | 19     |    |
| D750-G18  | 165             | 41-3/8  | 47-1/8 | 43-3/8 | 51-3/8 | 38-1/16 | 46-1/8 | 5-1/4 | 5-1/4 | 76-3/8 | 9-1/2   | 47-13/16 | 35                | 84       | 133      | 172-7/16 | 22             | 19     | 6-1/2  | 56     | 28          | 8  | 7  | 4-1/2 | 30     | 4-1/2 | 5-3/4 | 20     | 19     |    |
| D800-G18  | 165             | 41-3/8  | 47-1/8 | 43-3/8 | 51-3/8 | 38-1/16 | 46-1/8 | 5-1/4 | 5-1/4 | 76-3/8 | 9-1/2   | 47-13/16 | 35                | 84       | 133      | 172-7/16 | 22             | 19     | 6-1/2  | 56     | 28          | 8  | 7  | 4-1/2 | 30     | 4-1/2 | 5-3/4 | 20     | 19     |    |
| D850-G18  | 165             | 41-3/8  | 47-1/8 | 43-3/8 | 51-3/8 | 38-1/16 | 46-1/8 | 5-1/4 | 5-1/4 | 76-3/8 | 9-1/2   | 47-13/16 | 35                | 84       | 133      | 172-7/16 | 22             | 19     | 6-1/2  | 56     | 28          | 8  | 7  | 4-1/2 | 30     | 4-1/2 | 5-3/4 | 20     | 19     |    |
| D900-G18  | 165             | 41-3/8  | 47-1/8 | 43-3/8 | 51-3/8 | 38-1/16 | 46-1/8 | 5-1/4 | 5-1/4 | 76-3/8 | 9-1/2   | 47-13/16 | 35                | 84       | 133      | 172-7/16 | 22             | 19     | 6-1/2  | 56     | 28          | 8  | 7  | 4-1/2 | 30     | 4-1/2 | 5-3/4 | 20     | 19     |    |
| D950-G18  | 165             | 41-3/8  | 47-1/8 | 43-3/8 | 51-3/8 | 38-1/16 | 46-1/8 | 5-1/4 | 5-1/4 | 76-3/8 | 9-1/2   | 47-13/16 | 35                | 84       | 133      | 172-7/16 | 22             | 19     | 6-1/2  | 56     | 28          | 8  | 7  | 4-1/2 | 30     | 4-1/2 | 5-3/4 | 20     | 19     |    |
| D1000-G20 | 208-3/16        | 48-7/16 | 58-5/8 | 51-3/8 | 58-3/8 | 46-1/16 | 53-1/8 | 5-1/4 | 5-1/4 | 71-3/8 | 13-9/16 | 66-5/16  | 42                | 115-3/16 | 171-3/16 | 219-3/16 | 24-7/8         | 24-7/8 | 8-9/16 | 57-1/8 | 33          | 10 | 11 | 8     | 36     | 4-1/2 | 5-3/4 | 28-7/8 | 17-1/2 |    |

**MAX. ROOF OPENING 2" SMALLER THAN CURB OUTSIDE DIMENSION**  
**(MAX. EVAP WATER PRESSURE = 50 PSI @ 70 DEG. F**

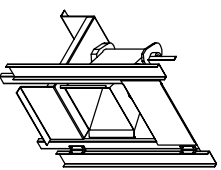
**Direct Fired Profile Plate Specifications:**

**DESCRIPTION:** Burners shall have patented QIS Patent No. US5649293, self-inducting profile plates designed to ensure proper air velocity and pressure drop across the burner. Profile plates shall allow burners to achieve clean combustion by limiting by-product levels to a maximum of 50ppm of carbon monoxide (CO), and 50ppm of nitrogen dioxide (NO2).

**APPLICATION:** Spring-loaded burner profile plates are engineered to automatically react to the momentum of fresh air stream, without the need for any motors or actuators to mechanically adjust them. In this feature, all DF units are designed for demand control ventilation (DCV) requirements.

**REQUIREMENTS:** If profile plate assemblies shall be included in the DF unit's ETL listing and comply with combined requirements of UL 199, UL 199C, and CSA 517 (non-redundating DF heaters) and ANSI Z83.18 (redundating DF heaters).

**GENERAL CONSTRUCTION:** Profile plates shall be 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