



| GROSS OUTPUT |                 |               |                               | NET RATING      |               | FIRING RATE |       | Heating Surface (fireside) | Furnace Volume |
|--------------|-----------------|---------------|-------------------------------|-----------------|---------------|-------------|-------|----------------------------|----------------|
| Horsepower   | Steam Radiation | Steam Thermal | Steam per hr. from & at 212°F | Steam Radiation | Steam Thermal | Light Oil   | Gas   |                            |                |
| H.P.         | SQ. FT.         | MBH           | LBS/HR.                       | SQ. FT.         | MBH           | GPH         | MBH   | SQ. FT.                    | CU. FT.        |
| 80           | 11,200          | 2,679         | 2,760                         | 8,662           | 2,078         | 22.8        | 3,267 | 400                        | 48,229         |

| A              | B                                 | C              | D            | E                | F              | G                   | H                        | J                       | K                | L                | M                      | N                         | P              | Q                 | R            | S             | T                 | V                | W                 | X           |
|----------------|-----------------------------------|----------------|--------------|------------------|----------------|---------------------|--------------------------|-------------------------|------------------|------------------|------------------------|---------------------------|----------------|-------------------|--------------|---------------|-------------------|------------------|-------------------|-------------|
| Overall Length | Overall Width (over 2 insulation) | Overall Height | Shell Length | Furnace Diameter | Furnace Length | Normal Water Line * | Height - C.L. of Furnace | Depth-Reversing Chamber | Depth-Smoke Hood | Vent Outlet Dia. | Top-Front Rev. Chamber | Bottom-Front Rev. Chamber | Top-Smoke Hood | Bottom-Smoke Hood | Saddle Width | Saddle Length | C.L. Front Saddle | C.L. Rear Saddle | Steam Outlet Size | Return Size |
| FT.-IN.        | IN.                               | IN.            | FT.-IN.      | IN.              | IN.            | IN.                 | IN.                      | IN.                     | IN.              | IN.              | IN.                    | IN.                       | IN.            | IN.               | IN.          | IN.           | IN.               | IN.              | IN.               | IN.         |
| 16'2 15/16"    | 53 5/8                            | 63 5/8         | 13'10 1/16"  | 24 3/4           | 159 1/8        | 53 1/4              | 27 7/8                   | 8                       | 17               | 14               | 50                     | 26 5/8                    | 60 3/4         | 42 5/8            | 7            | 36 3/4        | 14 1/2            | 150              | 6                 | 3           |

| Heat Release Rate        | Steam Disengaging Area at N.W.L. | Steam Cubic Space Over N.W.L. | Steam Space from normal w.l. to inside shell | Water Content to N.W. Line | Dry Weight (Approx.) | Operating Weight (Approx.) |
|--------------------------|----------------------------------|-------------------------------|--|----------------------------|----------------------|----------------------------|
| BTUs/FT <sup>3</sup> /HR | SQ. FT.                          | CU. FT.                       | IN.  | GAL.                       | LBS.                 | LBS.                       |
| 69,669                   | 45.034                           | 26.433                        | 10 1/16                                      | 649                        | 7,566                | 12,967                     |

\* Normal water lines shown here are without a hot water Coil. For hot water coil, add 1 3/4".