

LNE Compact according ASME Section IV

2 Bar (g) / 110°C  
30 PSI / 250°F



Revision: 5  
Version: 14-05-2020



| Type                                   | 1.0     | 1.5     | 2.0     | 2.5     | 3.0     | 3.5     | 4.0     | 5.0     | 6.0     | 7.0      | 8.0      | 9.0       | 10.0     | 11.0      | 12.0      | 13.0      |
|--|---------|---------|---------|---------|---------|---------|---------|---------|---------|----------|----------|-----------|----------|-----------|-----------|-----------|
| Nett. Capacity (MCal)                  | 1000    | 1500    | 2000    | 2500    | 3000    | 3500    | 4000    | 5000    | 6000    | 7000     | 8000     | 9000      | 10000    | 11000     | 12000     | 13000     |
| Brut. Capacity (MCal)                  | 1087    | 1630    | 2174    | 2717    | 3261    | 3804    | 4348    | 5435    | 6522    | 7609     | 8696     | 9783      | 10869    | 11956     | 13043     | 14130     |
| Nett. Capacity (BHP)                   | 120     | 180     | 240     | 300     | 360     | 420     | 480     | 600     | 720     | 840      | 950      | 1080      | 1200     | 1300      | 1420      | 1540      |
| Nett. Capacity (MW)                    | 1.16    | 1.74    | 2.33    | 2.91    | 3.49    | 4.07    | 4.65    | 5.81    | 6.98    | 8.14     | 9.30     | 10.47     | 11.63    | 12.79     | 13.95     | 15.12     |
| Gas consumption (nm <sup>3</sup> /h) * | 143.8   | 215.7   | 287.5   | 359.4   | 431.3   | 503.2   | 575.1   | 718.9   | 862.6   | 1006.4   | 1150.2   | 1294.0    | 1437.7   | 1581.5    | 1725.3    | 1869.1    |
| Oil Consumption (kg/h) **              | 106.6   | 159.8   | 213.1   | 266.4   | 319.7   | 373.0   | 426.3   | 532.8   | 639.4   | 746.0    | 852.5    | 959.1     | 1065.7   | 1172.2    | 1278.8    | 1385.4    |
| Watercontent (m <sup>3</sup> )         | 3.0     | 4.5     | 6.6     | 7.8     | 9.6     | 10.0    | 11.3    | 13.9    | 17.2    | 19.0     | 20.2     | 21.1      | 25.1     | 26.3      | 32.7      | 33.6      |
| Pressure lost of fluegas (mbar) app.   | 4.1-5.6 | 6.0-7.5 | 6.0-7.5 | 6.1-7.6 | 6.3-7.8 | 5.8-7.3 | 7.0-8.5 | 6.0-7.5 | 7.7-9.1 | 8.9-10.4 | 9.9-11.4 | 10.0-11.5 | 9.8-11.3 | 10.2-11.7 | 10.6-12.1 | 11.1-12.6 |

| Type                                      | 1.0  | 1.5  | 2.0  | 2.5  | 3.0  | 3.5  | 4.0  | 5.0  | 6.0  | 7.0  | 8.0  | 9.0  | 10.0 | 11.0 | 12.0 | 13.0 |
|---|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| Length L (mm) excl. burner                | 3674 | 4274 | 4774 | 4874 | 5374 | 5474 | 5976 | 6574 | 6578 | 7280 | 7278 | 7278 | 7878 | 7978 | 8378 | 8578 |
| Total width B (mm) incl. switchbox        | 2050 | 2250 | 2450 | 2650 | 2750 | 2800 | 2850 | 3050 | 3250 | 3350 | 3400 | 3550 | 3650 | 3800 | 3900 | 3900 |
| Height H1 (mm) excl. Valves               | 2211 | 2302 | 2399 | 2701 | 2762 | 2778 | 2970 | 3109 | 3251 | 3256 | 3385 | 3460 | 3631 | 3690 | 3745 | 3745 |
| Boilerlength L1 (mm) incl. isolation      | 3224 | 3724 | 4224 | 4224 | 4724 | 4724 | 5226 | 5724 | 5728 | 6230 | 6228 | 6228 | 6728 | 6828 | 7228 | 7428 |
| Boilersupport B1 (mm)                     | 1074 | 1215 | 1356 | 1498 | 1569 | 1612 | 1647 | 1789 | 1953 | 2024 | 2063 | 2169 | 2240 | 2346 | 2417 | 2417 |
| Distance between boiler chairs B2 (mm)    | 1800 | 2100 | 2400 | 2400 | 2700 | 2700 | 3000 | 3300 | 3300 | 3600 | 3600 | 3600 | 3900 | 3900 | 3900 | 4000 |
| Height burnerconnection A (mm)            | 1200 | 1200 | 1200 | 1400 | 1400 | 1400 | 1600 | 1600 | 1600 | 1600 | 1740 | 1740 | 1850 | 1850 | 1850 | 1850 |
| Diameter of boiler D (mm) incl. isolation | 1650 | 1850 | 2050 | 2250 | 2350 | 2400 | 2450 | 2650 | 2850 | 2950 | 3000 | 3150 | 3250 | 3400 | 3500 | 3500 |
| Fluegas outlet diameter R (mm)            | 300  | 400  | 400  | 500  | 500  | 600  | 600  | 700  | 700  | 900  | 900  | 900  | 1000 | 1000 | 1100 | 1100 |
| Furnacediameter D1(mm)                    | 800  | 900  | 1000 | 1150 | 1200 | 1200 | 1250 | 1400 | 1500 | 1600 | 1600 | 1650 | 1700 | 1800 | 1800 | 1800 |
| Furnacelenght excl. Reversal chamber      | 2100 | 2540 | 3200 | 3200 | 3750 | 3750 | 4300 | 4800 | 4800 | 5300 | 5300 | 5300 | 5800 | 5900 | 6300 | 6500 |

| Type                   | 1.0    | 1.5    | 2.0    | 2.5    | 3.0    | 3.5    | 4.0    | 5.0    | 6.0    | 7.0    | 8.0    | 9.0    | 10.0   | 11.0   | 12.0   | 13.0    |
|------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|---------|
| Flow m <sup>3</sup> /h | 50     | 75     | 100    | 125    | 150    | 175    | 200    | 250    | 300    | 350    | 400    | 450    | 500    | 550    | 600    | 650     |
| Supply/Return T=20°C   | 5"     | 5"     | 6"     | 8"     | 8"     | 8"     | 8"     | 10"    | 10"    | 10"    | 10"    | 12"    | 12"    | 12"    | 14"    | 16"     |
| Drain (threaded)       | 1"     | 1"     | 1 ½"   | 1 ½"   | 1 ½"   | 2"     | 2"     | 2"     | 2"     | 2"     | 2"     | 2"     | 2"     | 2"     | 2"     | 2"      |
| Shunt (DN)             | 2 1/2" | 2 1/2" | 3"     | 3"     | 3"     | 4"     | 4"     | 4"     | 4"     | 4"     | 5"     | 5"     | 5"     | 6"     | 6"     | 6"      |
| Safety valves (DN)     | 1 x 2" | 2 x 2" | 2 x 2" | 2 x 2" | 3 x 2" | 3 x 2" | 3 x 2" | 4 x 2" | 5 x 2" | 6 x 2" | 6 x 2" | 7 x 2" | 8 x 2" | 9 x 2" | 9 x 2" | 10 x 2" |

| Type                              | 1.0 | 1.5 | 2.0 | 2.5 | 3.0 | 3.5 | 4.0 | 5.0  | 6.0  | 7.0  | 8.0  | 9.0  | 10.0 | 11.0 | 12.0 | 13.0 |
|-----------------------------------|-----|-----|-----|-----|-----|-----|-----|------|------|------|------|------|------|------|------|------|
| Heated surface (m <sup>2</sup> )  | 40  | 59  | 72  | 95  | 120 | 130 | 146 | 180  | 205  | 240  | 280  | 315  | 340  | 375  | 425  | 440  |
| Fluegas content (m <sup>3</sup> ) | 1.9 | 2.9 | 3.8 | 5.0 | 6.0 | 5.9 | 7.3 | 9.6  | 10.7 | 14.1 | 14.9 | 15.9 | 17.3 | 19.6 | 20.8 | 21.6 |
| Transport mass (tons)             | 2.6 | 4.0 | 5.3 | 6.8 | 8.4 | 8.7 | 9.7 | 12.3 | 14.0 | 16.7 | 18.2 | 20.2 | 22.2 | 24.3 | 27.0 | 28.0 |

\* Dutch gas Hi=31,669 MJ/m<sup>3</sup>  
\*\* Oil HBO I Hi=42,696 MJ/kg

In case of an order exact boiler weight and measurements will be given on request. Changes reserved

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