



Simons Boiler Co. - The SB Series

TECHNICAL DATA

| Boiler Model | Electric Capacity kW | Boiler HP | Steam Capacity kg/hr "from & at 1000C" | Steam Capacity lb/hr "from & at 2120F" | Steam Capacity kg/hr @ 690kPa | Steam Capacity lb/hr @ 100 psig | Heat up time from cold start - minutes | Water content - litres | Amps/Phase 240/1/50 - 415/3/50 | No. of Phases | No. of Elements | Feed Water Pump Motor - kW | Operating Weight - kg | Shipping Weight - kg | Shipping Volume - m3 | Dimensions - A (mm) | Dimensions - B (mm) |
|---------------------|-----------------------------|------------------|---|---|--------------------------------------|--|---|-------------------------------|---------------------------------------|----------------------|------------------------|-----------------------------------|------------------------------|-----------------------------|-----------------------------|----------------------------|----------------------------|
| SB2s/15 | 3.6 | 0.36 | 5.7 | 12.6 | 4.8 | 10.6 | 17 | 6 | 15 | 1 | 1 | 0.25 | 60 | 75 | 0.28 | 640 | 485 |
| SB2s/19 | 4.5 | 0.45 | 7.2 | 15.8 | 6 | 13.3 | 14 | 6 | 19 | 1 | 1 | 0.25 | 60 | 75 | 0.28 | 640 | 485 |
| SB2s/28 | 6.7 | 0.67 | 10.7 | 23.5 | 9 | 19.7 | 10 | 6 | 14 | 2 | 1 | 0.25 | 60 | 75 | 0.28 | 640 | 485 |
| SB2s/33 | 8 | 0.8 | 12.7 | 28 | 10.7 | 23.5 | 8 | 6 | 17 | 2 | 1 | 0.25 | 60 | 75 | 0.28 | 640 | 485 |
| SB2s/44 | 10 | 1 | 15.9 | 35 | 13.4 | 29.4 | 6 | 6 | 14 | 3 | 1 | 0.25 | 60 | 75 | 0.28 | 640 | 485 |
| SB2s/60 | 14 | 1.4 | 22.3 | 49 | 18.8 | 41.1 | 4 | 6 | 20 | 3 | 1 | 0.25 | 60 | 75 | 0.28 | 640 | 485 |
| SB3s/84 | 20 | 2 | 32 | 70.4 | 26.9 | 59.2 | 8 | 15 | 28 | 3 | 3 | 0.25 | 90 | 140 | 0.42 | 950 | 860 |
| SB3s/100 | 24 | 2.4 | 38.2 | 84 | 32.1 | 70.6 | 7 | 15 | 33 | 3 | 3 | 0.25 | 90 | 140 | 0.42 | 950 | 860 |
| SB3s/125 | 30 | 3 | 47.7 | 105 | 40.1 | 88.2 | 6 | 15 | 42 | 3 | 3 | 0.25 | 90 | 140 | 0.42 | 950 | 860 |
| SB3s/175 | 42 | 4.2 | 66.8 | 147 | 56.1 | 123.5 | 4 | 15 | 58 | 3 | 3 | 0.25 | 90 | 140 | 0.42 | 950 | 860 |
| SB4s/112 | 26.8 | 2.68 | 43.3 | 95.2 | 36.4 | 80 | 8 | 19 | 42 | 3 | 4 | 0.25 | 120 | 180 | 0.6 | 1400 | 1310 |
| SB4s/133 | 32 | 3.2 | 51.4 | 113 | 43.2 | 95 | 6 | 19 | 50 | 3 | 4 | 0.25 | 120 | 180 | 0.6 | 1400 | 1310 |
| SB4s/166 | 40 | 4 | 63.6 | 140 | 53.4 | 117.6 | 5 | 19 | 63 | 3 | 4 | 0.25 | 120 | 180 | 0.6 | 1400 | 1310 |
| SB4s/233 | 56 | 5.6 | 89.1 | 196 | 74.8 | 164.6 | 4 | 19 | 88 | 3 | 4 | 0.25 | 120 | 180 | 0.6 | 1400 | 1310 |

SCHEMATIC DIAGRAM



