



Advanced Industrial Components Inc.
 2300 Bristol Circle, Unit #4
 Oakville ON Canada
 L6H 5S3
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AIC/SESPOL BRAZED PLATE HEAT EXCHANGERS PERFORMANCE

Domestic Hot Water

| Btu/hr | USGPM | Inlet Temp | Outlet Temp | USGPM | Inlet Temp | Outlet Temp | Model LA14 | | PSI | | Model LB31 | | PSI | | Model LC110 | | PSI | |
|------------------|--------|------------|-------------|-------|------------|-------------|------------|---------|----------|-----------|------------|---------|----------|-----------|-------------|----------|----------|-----------|
| | | | | | | | LA14-6 | LA14-10 | HOT SIDE | COLD SIDE | LB31-20 | LB31-30 | HOT SIDE | COLD SIDE | LC110-20 | LC110-30 | HOT SIDE | COLD SIDE |
| 20,000 Btu/hr | 2.03 | 180F | 160F | 0.40 | 40F | 140F | LA14-6 | 1.91 | 0.09 | - | - | - | - | - | - | - | - | |
| 30,000 Btu/hr | 3.05 | 180F | 160F | 0.60 | 40F | 140F | LA14-6 | 4.17 | 0.20 | - | - | - | - | - | - | - | - | |
| 40,000 Btu/hr | 4.07 | 180F | 160F | 0.80 | 40F | 140F | LA14-10 | 2.73 | 0.13 | - | - | - | - | - | - | - | - | |
| 50,000 Btu/hr | 5.08 | 180F | 160F | 1.00 | 40F | 140F | LA14-10 | 4.21 | 0.20 | - | - | - | - | - | - | - | - | |
| 60,000 Btu/hr | 6.10 | 180F | 160F | 1.20 | 40F | 140F | LA14-20 | 1.63 | 0.07 | - | - | - | - | - | - | - | - | |
| 70,000 Btu/hr | 7.11 | 180F | 160F | 1.40 | 40F | 140F | LA14-20 | 2.19 | 0.10 | LB31-20 | LB31-20 | 1.73 | 0.09 | - | - | - | - | |
| 80,000 Btu/hr | 8.13 | 180F | 160F | 1.60 | 40F | 140F | LA14-20 | 2.84 | 0.13 | LB31-20 | LB31-20 | 2.23 | 0.11 | - | - | - | - | |
| 90,000 Btu/hr | 9.15 | 180F | 160F | 1.80 | 40F | 140F | LA14-20 | 3.56 | 0.17 | LB31-20 | LB31-20 | 2.79 | 0.14 | - | - | - | - | |
| 100,000 Btu/hr | 10.17 | 180F | 160F | 2.00 | 40F | 140F | LA14-20 | 4.37 | 0.21 | LB31-20 | LB31-20 | 3.41 | 0.17 | - | - | - | - | |
| 125,000 Btu/hr | 12.70 | 180F | 160F | 2.50 | 40F | 140F | LA14-30 | 3.26 | 0.15 | LB31-20 | LB31-20 | 5.20 | 0.27 | - | - | - | - | |
| 140,000 Btu/hr | 14.23 | 180F | 160F | 2.80 | 40F | 140F | LA14-30 | 4.06 | 0.19 | LB31-30 | LB31-30 | 3.02 | 0.15 | - | - | - | - | |
| 150,000 Btu/hr | 15.25 | 180F | 160F | 3.00 | 40F | 140F | LA14-30 | - | - | LB31-30 | LB31-30 | 3.45 | 0.18 | LC110-20 | LC110-20 | 1.53 | 0.09 | |
| 175,000 Btu/hr | 17.79 | 180F | 160F | 3.50 | 40F | 140F | LA14-30 | - | - | LB31-30 | LB31-30 | 4.62 | 0.23 | LC110-20 | LC110-20 | 2.05 | 0.10 | |
| 200,000 Btu/hr | 20.33 | 180F | 160F | 4.00 | 40F | 140F | LA14-30 | - | - | LB31-30 | LB31-30 | 5.96 | 0.30 | LC110-20 | LC110-20 | 2.65 | 0.13 | |
| 300,000 Btu/hr | 30.50 | 180F | 160F | 6.01 | 40F | 140F | LA14-30 | - | - | LB31-50 | LB31-50 | 5.08 | 0.26 | LC110-20 | LC110-20 | 5.72 | 0.29 | |
| 400,000 Btu/hr | 40.67 | 180F | 160F | 8.00 | 40F | 140F | LA14-30 | - | - | LB31-70 | LB31-70 | 4.92 | 0.24 | LC110-30 | LC110-30 | 4.63 | 0.24 | |
| 500,000 Btu/hr | 50.84 | 180F | 160F | 10.01 | 40F | 140F | LA14-30 | - | - | LB31-90 | LB31-90 | 5.03 | 0.25 | LC110-40 | LC110-40 | 4.16 | 0.21 | |
| 600,000 Btu/hr | 61.00 | 180F | 160F | 12.01 | 40F | 140F | LA14-30 | - | - | - | - | - | - | LC110-50 | LC110-50 | 3.93 | 0.20 | |
| 750,000 Btu/hr | 71.17 | 180F | 160F | 14.01 | 40F | 140F | LA14-30 | - | - | - | - | - | - | LC110-50 | LC110-50 | 5.27 | 0.27 | |
| 900,000 Btu/hr | 91.50 | 180F | 160F | 18.02 | 40F | 140F | LA14-30 | - | - | - | - | - | - | LC110-70 | LC110-70 | 4.74 | 0.24 | |
| 1,000,000 Btu/hr | 101.67 | 180F | 160F | 20.02 | 40F | 140F | LA14-30 | - | - | - | - | - | - | LC110-80 | LC110-80 | 4.65 | 0.23 | |
| 1,250,000 Btu/hr | 127.10 | 180F | 160F | 25.03 | 40F | 140F | LA14-30 | - | - | - | - | - | - | LC110-100 | LC110-100 | 5.04 | 0.25 | |
| 1,500,000 Btu/hr | 152.51 | 180F | 160F | 30.03 | 40F | 140F | LA14-30 | - | - | - | - | - | - | LC110-120 | LC110-120 | 5.52 | 0.27 | |
| 1,900,000 Btu/hr | 193.18 | 180F | 160F | 38.05 | 40F | 140F | LA14-30 | - | - | - | - | - | - | LC110-170 | LC110-170 | 5.80 | 0.27 | |



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Radiant Floor - Water to Water

| Btu/hr | USGPM | Inlet Temp | Outlet Temp | USGPM | Inlet Temp | Outlet Temp | Model | PSI | HOT SIDE | PSI | COLD SIDE | Model | PSI | HOT SIDE | PSI | COLD SIDE |
|------------------|--------|------------|-------------|--------|------------|-------------|---------|------|----------|-----|-----------|-----------|------|----------|-----|-----------|
| 24,000 Btu/hr | 2.40 | 180F | 160F | 2.40 | 100F | 120F | LA14-6 | 2.71 | - | - | - | LC110 | - | - | - | - |
| 32,000 Btu/hr | 3.20 | 180F | 160F | 3.20 | 100F | 120F | LA14-6 | 4.73 | - | - | - | - | - | - | - | - |
| 48,000 Btu/hr | 4.95 | 180F | 160F | 4.85 | 100F | 120F | LA14-10 | 3.89 | - | - | - | - | - | - | - | - |
| 64,000 Btu/hr | 6.60 | 180F | 160F | 6.46 | 100F | 120F | LA14-20 | 1.84 | - | - | - | - | - | - | - | - |
| 80,000 Btu/hr | 8.20 | 180F | 160F | 8.01 | 100F | 120F | LA14-20 | 2.84 | - | - | - | - | - | - | - | - |
| 96,000 Btu/hr | 9.80 | 180F | 160F | 9.70 | 100F | 120F | LA14-20 | 4.04 | - | - | - | - | - | - | - | - |
| 112,000 Btu/hr | 11.54 | 180F | 160F | 11.31 | 100F | 120F | LA14-20 | 5.44 | - | - | - | - | - | - | - | - |
| 128,000 Btu/hr | 13.19 | 180F | 160F | 12.93 | 100F | 120F | LA14-30 | 3.42 | - | - | - | - | - | - | - | - |
| 144,000 Btu/hr | 14.80 | 180F | 160F | 14.50 | 100F | 120F | LA14-30 | 4.29 | - | - | - | - | - | - | - | - |
| 160,000 Btu/hr | 16.50 | 180F | 160F | 16.10 | 100F | 120F | LA14-30 | 5.26 | - | - | - | - | - | - | - | - |
| 200,000 Btu/hr | 20.60 | 180F | 160F | 20.20 | 100F | 120F | - | - | - | - | - | - | - | - | - | - |
| 240,000 Btu/hr | 24.73 | 180F | 160F | 24.23 | 100F | 120F | LB31-40 | 4.94 | - | - | - | LC110-20 | 3.74 | - | - | - |
| 280,000 Btu/hr | 28.80 | 180F | 160F | 28.20 | 100F | 120F | LB31-50 | 4.46 | - | - | - | LC110-20 | 5.02 | - | - | - |
| 320,000 Btu/hr | 32.90 | 180F | 160F | 32.21 | 100F | 120F | LB31-60 | 4.17 | - | - | - | LC110-30 | 3.03 | - | - | - |
| 400,000 Btu/hr | 41.22 | 180F | 160F | 40.40 | 100F | 120F | LB31-70 | - | - | - | - | LC110-30 | 4.63 | - | - | - |
| 440,000 Btu/hr | 45.34 | 180F | 160F | 44.40 | 100F | 120F | LB31-80 | - | - | - | - | LC110-30 | 5.55 | - | - | - |
| 480,000 Btu/hr | 49.46 | 180F | 160F | 48.41 | 100F | 120F | LB31-80 | - | - | - | - | LC110-40 | 3.85 | - | - | - |
| 560,000 Btu/hr | 57.70 | 180F | 160F | 56.55 | 100F | 120F | - | - | - | - | - | LC110-40 | 5.16 | - | - | - |
| 640,000 Btu/hr | 65.90 | 180F | 160F | 64.63 | 100F | 120F | - | - | - | - | - | LC110-50 | 4.45 | - | - | - |
| 720,000 Btu/hr | 74.20 | 180F | 160F | 72.70 | 100F | 120F | - | - | - | - | - | LC110-50 | 5.57 | - | - | - |
| 800,000 Btu/hr | 82.43 | 180F | 160F | 80.78 | 100F | 120F | - | - | - | - | - | LC110-60 | 4.93 | - | - | - |
| 960,000 Btu/hr | 98.92 | 180F | 160F | 96.94 | 100F | 120F | - | - | - | - | - | LC110-70 | 5.37 | - | - | - |
| 1,120,000 Btu/hr | 115.40 | 180F | 160F | 113.10 | 100F | 120F | - | - | - | - | - | LC110-90 | 4.79 | - | - | - |
| 1,280,000 Btu/hr | 131.90 | 180F | 160F | 129.30 | 100F | 120F | - | - | - | - | - | LC110-100 | 5.27 | - | - | - |
| 1,600,000 Btu/hr | 164.90 | 180F | 160F | 161.60 | 100F | 120F | - | - | - | - | - | LC110-130 | 5.63 | - | - | - |
| 1,926,000 Btu/hr | 198.50 | 180F | 160F | 194.50 | 100F | 120F | - | - | - | - | - | LC110-180 | 5.64 | - | - | - |



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Snow Melt - Boiler Water to 50% E.glycol

| Btu/hr | USGPM | Inlet Temp | Outlet Temp | USGPM | Inlet Temp | Outlet Temp | Model | PSI HOT SIDE | PSI COLD SIDE | Model | PSI HOT SIDE | PSI COLD SIDE | Model | PSI HOT SIDE | PSI COLD SIDE |
|------------------|-------|------------|-------------|-------|------------|-------------|---------|-----------------|------------------|---------|-----------------|------------------|----------|-----------------|------------------|
| 20,000 Btu/hr | 1.37 | 180F | 150F | 1.52 | 100F | 130F | LA14-6 | 0.88 | 0.92 | LB31-10 | 4.80 | 5.10 | LC110-20 | 1.54 | 1.63 |
| 30,000 Btu/hr | 2.06 | 180F | 150F | 2.28 | 100F | 130F | LA14-6 | 1.91 | 2.01 | LB31-20 | 1.58 | 1.68 | LC110-20 | 1.88 | 1.99 |
| 40,000 Btu/hr | 2.75 | 180F | 150F | 3.03 | 100F | 130F | LA14-6 | 3.34 | 3.50 | LB31-20 | 2.42 | 2.57 | LC110-20 | 2.25 | 2.39 |
| 50,000 Btu/hr | 3.44 | 180F | 150F | 3.79 | 100F | 130F | LA14-6 | 5.13 | 5.38 | LB31-20 | 3.42 | 3.63 | LC110-20 | 2.66 | 2.82 |
| 60,000 Btu/hr | 4.12 | 180F | 150F | 4.55 | 100F | 130F | LA14-10 | 2.74 | 2.78 | LB31-20 | 4.59 | 4.87 | LC110-20 | 3.56 | 3.78 |
| 70,000 Btu/hr | 4.81 | 180F | 150F | 5.31 | 100F | 130F | LA14-10 | 3.70 | 3.87 | LB31-30 | 2.77 | 2.94 | LC110-20 | 4.59 | 4.87 |
| 80,000 Btu/hr | 5.50 | 180F | 150F | 6.07 | 100F | 130F | LA14-10 | 4.78 | 5.01 | LB31-30 | 3.47 | 3.67 | LC110-20 | 1.54 | 1.63 |
| 90,000 Btu/hr | 6.19 | 180F | 150F | 6.83 | 100F | 130F | LA14-20 | 1.63 | 1.71 | LB31-30 | 4.23 | 4.49 | LC110-20 | 1.88 | 1.99 |
| 100,000 Btu/hr | 6.87 | 180F | 150F | 7.59 | 100F | 130F | LA14-20 | 2.00 | 2.10 | LB31-30 | 5.08 | 5.38 | LC110-20 | 2.25 | 2.39 |
| 125,000 Btu/hr | 8.59 | 180F | 150F | 9.48 | 100F | 130F | LA14-20 | 3.08 | 3.23 | LB31-40 | 3.53 | 3.74 | LC110-20 | 2.66 | 2.82 |
| 150,000 Btu/hr | 10.31 | 180F | 150F | 11.38 | 100F | 130F | LA14-20 | 4.39 | 4.59 | LB31-40 | 4.73 | 5.01 | LC110-20 | 3.56 | 3.78 |
| 175,000 Btu/hr | 12.03 | 180F | 150F | 13.27 | 100F | 130F | LA14-30 | 2.87 | 2.99 | LB31-50 | 4.08 | 4.32 | LC110-20 | 4.59 | 4.87 |
| 200,000 Btu/hr | 13.74 | 180F | 150F | 15.17 | 100F | 130F | LA14-30 | 3.71 | 3.88 | LB31-50 | 5.11 | 5.41 | LC110-20 | 2.69 | 2.87 |
| 225,000 Btu/hr | 15.46 | 180F | 150F | 17.07 | 100F | 130F | | | | LB31-60 | 4.53 | 4.49 | LC110-30 | 3.29 | 3.48 |
| 250,000 Btu/hr | 17.18 | 180F | 150F | 18.96 | 100F | 130F | | | | LB31-70 | 4.94 | 5.22 | LC110-30 | 4.65 | 4.93 |
| 275,000 Btu/hr | 18.90 | 180F | 150F | 20.86 | 100F | 130F | | | | LB31-80 | 5.33 | 5.62 | LC110-40 | 3.67 | 3.88 |
| 300,000 Btu/hr | 20.62 | 180F | 150F | 22.76 | 100F | 130F | | | | | | | LC110-40 | 4.73 | 5.01 |
| 350,000 Btu/hr | 24.05 | 180F | 150F | 26.55 | 100F | 130F | | | | | | | LC110-50 | 4.87 | 5.11 |
| 400,000 Btu/hr | 27.49 | 180F | 150F | 30.34 | 100F | 130F | | | | | | | LC110-50 | 4.87 | 5.11 |
| 450,000 Btu/hr | 30.93 | 180F | 150F | 34.13 | 100F | 130F | | | | | | | LC110-50 | 4.87 | 5.11 |
| 500,000 Btu/hr | 34.36 | 180F | 150F | 37.93 | 100F | 130F | | | | | | | LC110-50 | 4.87 | 5.11 |
| 600,000 Btu/hr | 41.23 | 180F | 150F | 45.51 | 100F | 130F | | | | | | | LC110-50 | 4.87 | 5.11 |
| 700,000 Btu/hr | 48.11 | 180F | 150F | 53.10 | 100F | 130F | | | | | | | LC110-50 | 4.87 | 5.11 |
| 800,000 Btu/hr | 54.98 | 180F | 150F | 60.68 | 100F | 130F | | | | | | | LC110-50 | 4.87 | 5.11 |
| 900,000 Btu/hr | 61.85 | 180F | 150F | 68.27 | 100F | 130F | | | | | | | LC110-50 | 4.87 | 5.11 |
| 1,000,000 Btu/hr | 68.72 | 180F | 150F | 75.85 | 100F | 130F | | | | | | | LC110-50 | 4.87 | 5.11 |