## Zomer Evalon

**datum: 28 juni 2012**

Energetische besparing door voorkomen warmtetransport door het dakmembraam
Energetische besparing = Energietransport zwart - Energietransport Derbipure
Energieverlies met wet van Fourier (warmtegeleiding)
**Q = oppervlakte * ΔT (ideale temp - sensor temp) * tijdsinterval / Warmtegeleidingsweerstand dak (Rc)**
**Energiebesparing = Q zwart - Q Derbipure**

**Energietransport in Wh per tijdsinterval bij verschillend gebouwgebruik**

| Tijdstip | Sensor 6 2 Buitentem | Sensor 2 1 0-dak zwa | Sensor 7 2 0-dak zwa | Sensor 1 2 Evalon | tijdsinterval in uren | Onderling verschil tov | 20 Energietra | 20 Energietra | 21 Energietra | 21 Energietra | -5 Energietra | -5 Energietra | -40 Energietra | -40 Energietra | 24 Energietra | 24 Energietra | 18 Energietra | 18 Energietransport Evalon |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 28-6-2012 0:00 | 18.36 | 17.39 | 16.95 | 16.92 | 0.17 | 0.03 | 0.51 | 0.51 | 0.68 | 0.68 | 7.32 | 7.31 | 18.98 | 18.97 | 1.18 | 1.18 | 0.18 | 0.18 |
| 28-6-2012 0:10 | 18.29 | 17.25 | 16.77 | 16.81 | 0.17 | 0.04 | 0.54 | 0.53 | 0.71 | 0.70 | 7.26 | 7.27 | 18.92 | 18.94 | 1.21 | 1.20 | 0.21 | 0.20 |
| 28-6-2012 0:20 | 18.25 | 17.09 | 16.58 | 16.69 | 0.17 | 0.11 | 0.57 | 0.55 | 0.74 | 0.72 | 7.19 | 7.23 | 18.86 | 18.90 | 1.24 | 1.22 | 0.24 | 0.22 |
| 28-6-2012 0:30 | 18.09 | 16.83 | 16.34 | 16.48 | 0.17 | 0.14 | 0.61 | 0.59 | 0.78 | 0.75 | 7.11 | 7.16 | 18.78 | 18.83 | 1.28 | 1.25 | 0.28 | 0.25 |
| 28-6-2012 0:40 | 18.02 | 16.69 | 16.33 | 16.38 | 0.17 | 0.05 | 0.61 | 0.60 | 0.78 | 0.77 | 7.11 | 7.13 | 18.78 | 18.79 | 1.28 | 1.27 | 0.28 | 0.27 |
| 28-6-2012 0:50 | 17.92 | 16.63 | 16.31 | 16.31 | 0.17 | 0.00 | 0.62 | 0.62 | 0.78 | 0.78 | 7.10 | 7.10 | 18.77 | 18.77 | 1.28 | 1.28 | 0.28 | 0.28 |
| 28-6-2012 1:00 | 18.03 | 16.76 | 16.25 | 16.28 | 0.17 | 0.03 | 0.63 | 0.62 | 0.79 | 0.79 | 7.08 | 7.09 | 18.75 | 18.76 | 1.29 | 1.29 | 0.29 | 0.29 |
| 28-6-2012 1:10 | 18.01 | 16.57 | 16.08 | 16.16 | 0.17 | 0.08 | 0.65 | 0.64 | 0.82 | 0.81 | 7.03 | 7.05 | 18.69 | 18.72 | 1.32 | 1.31 | 0.32 | 0.31 |
| 28-6-2012 1:20 | 17.82 | 16.42 | 15.92 | 16 | 0.17 | 0.08 | 0.68 | 0.67 | 0.85 | 0.83 | 6.97 | 7.00 | 18.64 | 18.67 | 1.35 | 1.33 | 0.35 | 0.33 |
| 28-6-2012 1:30 | 17.62 | 16.12 | 15.61 | 15.8 | 0.17 | 0.19 | 0.73 | 0.70 | 0.90 | 0.87 | 6.87 | 6.93 | 18.54 | 18.60 | 1.40 | 1.37 | 0.40 | 0.37 |
| 28-6-2012 1:40 | 17.48 | 15.87 | 15.49 | 15.7 | 0.17 | 0.21 | 0.75 | 0.72 | 0.92 | 0.88 | 6.83 | 6.90 | 18.50 | 18.57 | 1.42 | 1.38 | 0.42 | 0.38 |
| 28-6-2012 1:50 | 17.41 | 15.68 | 15.23 | 15.56 | 0.17 | 0.33 | 0.80 | 0.74 | 0.96 | 0.91 | 6.74 | 6.85 | 18.41 | 18.52 | 1.46 | 1.41 | 0.46 | 0.41 |
| 28-6-2012 2:00 | 17.32 | 15.35 | 14.89 | 15.3 | 0.17 | 0.41 | 0.85 | 0.78 | 1.02 | 0.95 | 6.63 | 6.77 | 18.30 | 18.43 | 1.52 | 1.45 | 0.52 | 0.45 |
| 28-6-2012 2:10 | 17.24 | 15.04 | 14.56 | 15.02 | 0.17 | 0.46 | 0.91 | 0.83 | 1.07 | 1.00 | 6.52 | 6.67 | 18.19 | 18.34 | 1.57 | 1.50 | 0.57 | 0.50 |
| 28-6-2012 2:20 | 17.1 | 14.58 | 14.26 | 14.86 | 0.17 | 0.60 | 0.96 | 0.86 | 1.12 | 1.02 | 6.42 | 6.62 | 18.09 | 18.29 | 1.62 | 1.52 | 0.62 | 0.52 |
| 28-6-2012 2:30 | 17.02 | 14.57 | 13.92 | 14.5 | 0.17 | 0.58 | 1.01 | 0.92 | 1.18 | 1.08 | 6.31 | 6.50 | 17.97 | 18.17 | 1.68 | 1.58 | 0.68 | 0.58 |
| 28-6-2012 2:40 | 16.89 | 14.54 | 13.87 | 14.21 | 0.17 | 0.34 | 1.02 | 0.97 | 1.19 | 1.13 | 6.29 | 6.40 | 17.96 | 18.07 | 1.69 | 1.63 | 0.69 | 0.63 |
| 28-6-2012 2:50 | 16.92 | 14.52 | 13.6 | 14 | 0.17 | 0.40 | 1.07 | 1.00 | 1.23 | 1.17 | 6.20 | 6.33 | 17.87 | 18.00 | 1.73 | 1.67 | 0.73 | 0.67 |
| 28-6-2012 3:00 | 16.88 | 14.49 | 13.74 | 14.07 | 0.17 | 0.33 | 1.04 | 0.99 | 1.21 | 1.16 | 6.25 | 6.36 | 17.91 | 18.02 | 1.71 | 1.66 | 0.71 | 0.66 |
| 28-6-2012 3:10 | 16.82 | 14.65 | 14.1 | 14.3 | 0.17 | 0.20 | 0.98 | 0.95 | 1.15 | 1.12 | 6.37 | 6.43 | 18.03 | 18.10 | 1.65 | 1.62 | 0.65 | 0.62 |
| 28-6-2012 3:20 | 16.83 | 15.12 | 14.58 | 14.47 | 0.17 | 0.11 | 0.90 | 0.92 | 1.07 | 1.09 | 6.53 | 6.49 | 18.19 | 18.16 | 1.57 | 1.59 | 0.57 | 0.59 |
| 28-6-2012 3:30 | 16.88 | 15.34 | 14.78 | 14.63 | 0.17 | 0.15 | 0.87 | 0.90 | 1.04 | 1.06 | 6.59 | 6.54 | 18.26 | 18.21 | 1.54 | 1.56 | 0.54 | 0.56 |
| 28-6-2012 3:40 | 16.9 | 15.2 | 14.96 | 14.8 | 0.17 | 0.16 | 0.84 | 0.87 | 1.01 | 1.03 | 6.65 | 6.60 | 18.32 | 18.27 | 1.51 | 1.53 | 0.51 | 0.53 |
| 28-6-2012 3:50 | 16.94 | 15.58 | 15.28 | 15.02 | 0.17 | 0.26 | 0.79 | 0.83 | 0.95 | 1.00 | 6.76 | 6.67 | 18.43 | 18.34 | 1.45 | 1.50 | 0.45 | 0.50 |
| 28-6-2012 4:00 | 16.99 | 15.69 | 15.45 | 15.22 | 0.17 | 0.23 | 0.76 | 0.80 | 0.93 | 0.96 | 6.82 | 6.74 | 18.48 | 18.41 | 1.43 | 1.46 | 0.43 | 0.46 |
| 28-6-2012 4:10 | 17.01 | 15.7 | 15.55 | 15.33 | 0.17 | 0.22 | 0.74 | 0.78 | 0.91 | 0.95 | 6.85 | 6.78 | 18.52 | 18.44 | 1.41 | 1.45 | 0.41 | 0.45 |
| 28-6-2012 4:20 | 17.04 | 15.76 | 15.58 | 15.41 | 0.17 | 0.17 | 0.74 | 0.77 | 0.90 | 0.93 | 6.86 | 6.80 | 18.53 | 18.47 | 1.40 | 1.43 | 0.40 | 0.43 |
| 28-6-2012 4:30 | 17.02 | 15.65 | 15.54 | 15.44 | 0.17 | 0.10 | 0.74 | 0.76 | 0.91 | 0.93 | 6.85 | 6.81 | 18.51 | 18.48 | 1.41 | 1.43 | 0.41 | 0.43 |
| 28-6-2012 4:40 | 16.93 | 15.32 | 15.09 | 15.23 | 0.17 | 0.14 | 0.82 | 0.80 | 0.99 | 0.96 | 6.70 | 6.74 | 18.36 | 18.41 | 1.49 | 1.46 | 0.49 | 0.46 |
| 28-6-2012 4:50 | 16.82 | 14.92 | 14.72 | 14.97 | 0.17 | 0.25 | 0.88 | 0.84 | 1.05 | 1.01 | 6.57 | 6.66 | 18.24 | 18.32 | 1.55 | 1.51 | 0.55 | 0.51 |
| 28-6-2012 5:00 | 16.73 | 14.69 | 14.2 | 14.66 | 0.17 | 0.46 | 0.97 | 0.89 | 1.13 | 1.06 | 6.40 | 6.55 | 18.07 | 18.22 | 1.63 | 1.56 | 0.63 | 0.56 |
| 28-6-2012 5:10 | 16.69 | 14.48 | 14.12 | 14.52 | 0.17 | 0.40 | 0.98 | 0.91 | 1.15 | 1.08 | 6.37 | 6.51 | 18.04 | 18.17 | 1.65 | 1.58 | 0.65 | 0.58 |
| 28-6-2012 5:20 | 16.6 | 14.35 | 14.04 | 14.31 | 0.17 | 0.27 | 0.99 | 0.95 | 1.16 | 1.12 | 6.35 | 6.44 | 18.01 | 18.10 | 1.66 | 1.62 | 0.66 | 0.62 |
| 28-6-2012 5:30 | 16.59 | 14.59 | 13.96 | 14.19 | 0.17 | 0.23 | 1.01 | 0.97 | 1.17 | 1.14 | 6.32 | 6.40 | 17.99 | 18.06 | 1.67 | 1.64 | 0.67 | 0.64 |
| 28-6-2012 5:40 | 16.56 | 14.7 | 14.11 | 14.18 | 0.17 | 0.07 | 0.98 | 0.97 | 1.15 | 1.14 | 6.37 | 6.39 | 18.04 | 18.06 | 1.65 | 1.64 | 0.65 | 0.64 |
| 28-6-2012 5:50 | 16.53 | 14.8 | 14.18 | 14.14 | 0.17 | 0.04 | 0.97 | 0.98 | 1.14 | 1.14 | 6.39 | 6.38 | 18.06 | 18.05 | 1.64 | 1.64 | 0.64 | 0.64 |
| 28-6-2012 6:00 | 16.57 | 15.26 | 14.57 | 14.28 | 0.17 | 0.29 | 0.91 | 0.95 | 1.07 | 1.12 | 6.52 | 6.43 | 18.19 | 18.09 | 1.57 | 1.62 | 0.57 | 0.62 |
| 28-6-2012 6:10 | 16.7 | 15.39 | 14.85 | 14.48 | 0.17 | 0.37 | 0.86 | 0.92 | 1.03 | 1.09 | 6.62 | 6.49 | 18.28 | 18.16 | 1.53 | 1.59 | 0.53 | 0.59 |
| 28-6-2012 6:20 | 16.81 | 15.67 | 15.11 | 14.54 | 0.17 | 0.57 | 0.82 | 0.91 | 0.98 | 1.08 | 6.70 | 6.51 | 18.37 | 18.18 | 1.48 | 1.58 | 0.48 | 0.58 |
| 28-6-2012 6:30 | 17.02 | 16.32 | 15.75 | 14.91 | 0.17 | 0.84 | 0.71 | 0.85 | 0.88 | 1.02 | 6.92 | 6.64 | 18.58 | 18.30 | 1.38 | 1.52 | 0.38 | 0.52 |
| 28-6-2012 6:40 | 17.43 | 17.12 | 16.46 | 15.4 | 0.17 | 1.06 | 0.59 | 0.77 | 0.76 | 0.93 | 7.15 | 6.80 | 18.82 | 18.47 | 1.26 | 1.43 | 0.26 | 0.43 |
| 28-6-2012 6:50 | 17.73 | 17.4 | 17.1 | 15.87 | 0.17 | 1.23 | 0.48 | 0.69 | 0.65 | 0.86 | 7.37 | 6.96 | 19.03 | 18.62 | 1.15 | 1.36 | 0.15 | 0.36 |
| 28-6-2012 7:00 | 18.15 | 18.32 | 17.67 | 16.33 | 0.17 | 1.34 | 0.39 | 0.61 | 0.56 | 0.78 | 7.56 | 7.11 | 19.22 | 18.78 | 1.06 | 1.28 | 0.05 | 0.28 |
| 28-6-2012 7:10 | 18.49 | 18.46 | 17.62 | 16.56 | 0.17 | 1.06 | 0.40 | 0.57 | 0.56 | 0.74 | 7.54 | 7.19 | 19.21 | 18.85 | 1.06 | 1.24 | 0.06 | -0.48 |
| 28-6-2012 7:20 | 18.77 | 19.47 | 17.79 | 16.71 | 0.17 | 1.08 | 0.37 | 0.55 | 0.54 | 0.72 | 7.60 | 7.24 | 19.26 | 18.90 | 1.04 | 1.22 | 0.04 | -0.43 |
| 28-6-2012 7:30 | 19.17 | 21.42 | 18.57 | 17.29 | 0.17 | 1.28 | 0.24 | -0.90 | 0.41 | -1.24 | 7.86 | 7.43 | 19.52 | 19.10 | 0.91 | 1.12 | 0.19 | -0.24 |
| 28-6-2012 7:40 | 19.76 | 23.44 | 19.7 | 18.17 | 0.17 | 1.53 | 0.05 | -0.61 | 0.22 | -0.94 | 8.23 | 7.72 | 19.90 | 19.39 | 0.72 | 0.97 | 0.57 | 0.06 |
| 28-6-2012 7:50 | 19.87 | 22.41 | 19.47 | 18.39 | 0.17 | 1.08 | 0.09 | -0.54 | 0.26 | -0.87 | 8.16 | 7.80 | 19.82 | 19.46 | 0.76 | 0.94 | 0.49 | 0.13 |
| 28-6-2012 8:00 | 19.76 | 22.31 | 19.51 | 18.42 | 0.17 | 1.09 | 0.08 | -0.53 | 0.25 | -0.86 | 8.17 | 7.81 | 19.84 | 19.47 | 0.75 | 0.93 | 0.50 | 0.14 |
| 28-6-2012 8:10 | 19.74 | 22.23 | 20.37 | 18.5 | 0.17 | 1.87 | 0.12 | -0.50 | 0.11 | -0.83 | 8.46 | 7.83 | 20.12 | 19.50 | 0.61 | 0.92 | 0.79 | 0.17 |
| 28-6-2012 8:20 | 19.87 | 22.76 | 21.36 | 18.56 | 0.17 | 2.80 | 0.45 | -0.48 | 0.12 | -0.81 | 8.79 | 7.85 | 20.45 | 19.52 | 0.44 | 0.91 | 1.12 | 0.19 |
| 28-6-2012 8:30 | 20.43 | 25.1 | 23.26 | 19.17 | 0.17 | 4.09 | 1.09 | -0.28 | 0.75 | -0.61 | 9.42 | 8.06 | 21.09 | 19.72 | 0.12 | 0.81 | 1.75 | 0.39 |
| 28-6-2012 8:40 | 21.26 | 28.08 | 25.66 | 20.19 | 0.17 | 5.47 | 1.89 | 0.06 | 1.55 | -0.27 | 10.22 | 8.40 | 21.89 | 20.06 | 0.55 | -1.27 | 2.55 | 0.73 |
| 28-6-2012 8:50 | 21.02 | 26.1 | 25.46 | 20.2 | 0.17 | 5.26 | 1.82 | 0.07 | 1.49 | -0.27 | 10.15 | 8.40 | 21.82 | 20.07 | 0.49 | 0.63 | 2.49 | 0.73 |
| 28-6-2012 9:00 | 21.02 | 26.12 | 26.01 | 20.47 | 0.17 | 5.54 | 2.00 | 0.16 | 1.67 | -0.18 | 10.34 | 8.49 | 22.00 | 20.16 | 0.67 | 0.59 | 2.67 | 0.82 |
| 28-6-2012 9:10 | 21.43 | 27.71 | 27.55 | 21.66 | 0.17 | 5.89 | 2.52 | 0.55 | 2.18 | 0.22 | 10.85 | 8.89 | 22.52 | 20.55 | 1.18 | -0.78 | 3.18 | 1.22 |
| 28-6-2012 9:20 | 21.6 | 28.26 | 28.21 | 22.42 | 0.17 | 5.79 | 2.74 | 0.81 | 2.40 | 0.47 | 11.07 | 9.14 | 22.74 | 20.81 | 1.40 | -0.53 | 3.40 | 1.47 |
| 28-6-2012 9:30 | 21.38 | 26.87 | 27.81 | 22.57 | 0.17 | 5.24 | 2.60 | 0.86 | 2.27 | 0.52 | 10.94 | 9.19 | 22.60 | 20.86 | 1.27 | -0.48 | 3.27 | 1.52 |
| 28-6-2012 9:40 | 21.84 | 28.27 | 28.85 | 23.05 | 0.17 | 5.80 | 2.95 | 1.02 | 2.62 | 0.68 | 11.28 | 9.35 | 22.95 | 21.02 | 1.62 | -0.32 | 3.62 | 1.68 |
| 28-6-2012 9:50 | 22.34 | 30.21 | 30.67 | 24.31 | 0.17 | 6.36 | 3.56 | 1.44 | 3.22 | 1.10 | 11.89 | 9.77 | 23.56 | 21.44 | 2.22 | 0.10 | 4.22 | 2.10 |
| 28-6-2012 10:00 | 22.6 | 30.47 | 30.87 | 24.93 | 0.17 | 5.94 | 3.62 | 1.64 | 3.29 | 1.31 | 11.96 | 9.98 | 23.62 | 21.64 | 2.29 | 0.31 | 4.29 | 2.31 |
| 28-6-2012 10:10 | 22.53 | 30.26 | 30.69 | 25.04 | 0.17 | 5.65 | 3.56 | 1.68 | 3.23 | 1.35 | 11.90 | 10.01 | 23.56 | 21.68 | 2.23 | 0.35 | 4.23 | 2.35 |
| 28-6-2012 10:20 | 22.86 | 32.26 | 32.7 | 25.96 | 0.17 | 6.74 | 4.23 | 1.99 | 3.90 | 1.65 | 12.57 | 10.32 | 24.23 | 21.99 | 2.90 | 0.65 | 4.90 | 2.65 |
| 28-6-2012 10:30 | 23.67 | 35.52 | 35.79 | 28.01 | 0.17 | 7.78 | 5.26 | 2.67 | 4.93 | 2.34 | 13.60 | 11.00 | 25.26 | 22.67 | 3.93 | 1.34 | 5.93 | 3.34 |
| 28-6-2012 10:40 | 24.31 | 37.21 | 37.53 | 29.23 | 0.17 | 8.30 | 5.84 | 3.08 | 5.51 | 2.74 | 14.18 | 11.41 | 25.84 | 23.08 | 4.51 | 1.74 | 6.51 | 3.74 |
| 28-6-2012 10:50 | 24.35 | 36.53 | 38.59 | 30.22 | 0.17 | 8.37 | 6.20 | 3.41 | 5.86 | 3.07 | 14.53 | 11.74 | 26.20 | 23.41 | 4.86 | 2.07 | 6.86 | 4.07 |
| 28-6-2012 11:00 | 24.64 | 37.22 | 39.51 | 31.03 | 0.17 | 8.48 | 6.50 | 3.68 | 6.17 | 3.34 | 14.84 | 12.01 | 26.50 | 23.68 | 5.17 | 2.34 | 7.17 | 4.34 |
| 28-6-2012 11:10 | 24.64 | 37.54 | 40.06 | 31.8 | 0.17 | 8.26 | 6.69 | 3.93 | 6.35 | 3.60 | 15.02 | 12.27 | 26.69 | 23.93 | 5.35 | 2.60 | 7.35 | 4.60 |
| 28-6-2012 11:20 | 25.26 | 39.69 | 42.01 | 32.77 | 0.17 | 9.24 | 7.34 | 4.26 | 7.00 | 3.92 | 15.67 | 12.59 | 27.34 | 24.26 | 6.00 | 2.92 | 8.00 | 4.92 |
| 28-6-2012 11:30 | 25.57 | 39.24 | 43.02 | 33.75 | 0.17 | 9.27 | 7.67 | 4.58 | 7.34 | 4.25 | 16.01 | 12.92 | 27.67 | 24.58 | 6.34 | 3.25 | 8.34 | 5.25 |
| 28-6-2012 11:40 | 25.68 | 39.15 | 43.26 | 34.25 | 0.17 | 9.01 | 7.75 | 4.75 | 7.42 | 4.42 | 16.09 | 13.08 | 27.75 | 24.75 | 6.42 | 3.42 | 8.42 | 5.42 |
| 28-6-2012 11:50 | 25.56 | 39.04 | 43 | 34.62 | 0.17 | 8.38 | 7.67 | 4.87 | 7.33 | 4.54 | 16.00 | 13.21 | 27.67 | 24.87 | 6.33 | 3.54 | 8.33 | 5.54 |
| 28-6-2012 12:00 | 25.54 | 37.28 | 41.89 | 34.26 | 0.17 | 7.63 | 7.30 | 4.75 | 6.96 | 4.42 | 15.63 | 13.09 | 27.30 | 24.75 | 5.96 | 3.42 | 7.96 | 5.42 |
| 28-6-2012 12:10 | 25.82 | 38.34 | 42.4 | 34.39 | 0.17 | 8.01 | 7.47 | 4.80 | 7.13 | 4.46 | 15.80 | 13.13 | 27.47 | 24.80 | 6.13 | 3.46 | 8.13 | 5.46 |
| 28-6-2012 12:20 | 26.51 | 41.05 | 44.62 | 35.58 | 0.17 | 9.04 | 8.21 | 5.19 | 7.87 | 4.86 | 16.54 | 13.53 | 28.21 | 25.19 | 6.87 | 3.86 | 8.87 | 5.86 |
| 28-6-2012 12:30 | 27.25 | 43.65 | 46.71 | 36.73 | 0.17 | 9.98 | 8.90 | 5.58 | 8.57 | 5.24 | 17.24 | 13.91 | 28.90 | 25.58 | 7.57 | 4.24 | 9.57 | 6.24 |
| 28-6-2012 12:40 | 26.89 | 40.95 | 45.77 | 36.94 | 0.17 | 8.83 | 8.59 | 5.65 | 8.26 | 5.31 | 16.92 | 13.98 | 28.59 | 25.65 | 7.26 | 4.31 | 9.26 | 6.31 |
| 28-6-2012 12:50 | 26.85 | 40.78 | 45.27 | 36.65 | 0.17 | 8.62 | 8.42 | 5.55 | 8.09 | 5.22 | 16.76 | 13.88 | 28.42 | 25.55 | 7.09 | 4.22 | 9.09 | 6.22 |
| 28-6-2012 13:00 | 27.26 | 41.49 | 45.4 | 36.78 | 0.17 | 8.62 | 8.47 | 5.59 | 8.13 | 5.26 | 16.80 | 13.93 | 28.47 | 25.59 | 7.13 | 4.26 | 9.13 | 6.26 |
| 28-6-2012 13:10 | 27.3 | 40.49 | 43.86 | 36.48 | 0.17 | 7.38 | 7.95 | 5.49 | 7.62 | 5.16 | 16.29 | 13.83 | 27.95 | 25.49 | 6.62 | 4.16 | 8.62 | 6.16 |
| 28-6-2012 13:20 | 26.69 | 38.07 | 41.11 | 35.29 | 0.17 | 5.82 | 7.04 | 5.10 | 6.70 | 4.76 | 15.37 | 13.43 | 27.04 | 25.10 | 5.70 | 3.76 | 7.70 | 5.76 |
| 28-6-2012 13:30 | 26.63 | 38.59 | 41.06 | 34.99 | 0.17 | 6.07 | 7.02 | 5.00 | 6.69 | 4.66 | 15.35 | 13.33 | 27.02 | 25.00 | 5.69 | 3.66 | 7.69 | 5.66 |
| 28-6-2012 13:40 | 26.79 | 39.59 | 42.34 | 35.51 | 0.17 | 6.83 | 7.45 | 5.17 | 7.11 | 4.84 | 15.78 | 13.50 | 27.45 | 25.17 | 6.11 | 3.84 | 8.11 | 5.84 |
| 28-6-2012 13:50 | 26.58 | 37.35 | 40.09 | 34.88 | 0.17 | 5.21 | 6.70 | 4.96 | 6.36 | 4.63 | 15.03 | 13.29 | 26.70 | 24.96 | 5.36 | 3.63 | 7.36 | 5.63 |
| 28-6-2012 14:00 | 26.79 | 38.49 | 40.82 | 34.75 | 0.17 | 6.07 | 6.94 | 4.92 | 6.61 | 4.58 | 15.27 | 13.25 | 26.94 | 24.92 | 5.61 | 3.58 | 7.61 | 5.58 |
| 28-6-2012 14:10 | 27.29 | 39.44 | 40.88 | 34.67 | 0.17 | 6.21 | 6.96 | 4.89 | 6.63 | 4.56 | 15.29 | 13.22 | 26.96 | 24.89 | 5.63 | 3.56 | 7.63 | 5.56 |
| 28-6-2012 14:20 | 27.39 | 40.03 | 41.44 | 34.86 | 0.17 | 6.58 | 7.15 | 4.95 | 6.81 | 4.62 | 15.48 | 13.29 | 27.15 | 24.95 | 5.81 | 3.62 | 7.81 | 5.62 |
| 28-6-2012 14:30 | 27.37 | 39.34 | 40.87 | 34.68 | 0.17 | 6.19 | 6.96 | 4.89 | 6.62 | 4.56 | 15.29 | 13.23 | 26.96 | 24.89 | 5.62 | 3.56 | 7.62 | 5.56 |
| 28-6-2012 14:40 | 26.79 | 36.76 | 38.51 | 33.64 | 0.17 | 4.87 | 6.17 | 4.55 | 5.84 | 4.21 | 14.50 | 12.88 | 26.17 | 24.55 | 4.84 | 3.21 | 6.84 | 5.21 |
| 28-6-2012 14:50 | 26.44 | 34.16 | 35.92 | 32.43 | 0.17 | 3.49 | 5.31 | 4.14 | 4.97 | 3.81 | 13.64 | 12.48 | 25.31 | 24.14 | 3.97 | 2.81 | 5.97 | 4.81 |
| 28-6-2012 15:00 | 26.11 | 32.37 | 33.68 | 31.26 | 0.17 | 2.42 | 4.56 | 3.75 | 4.23 | 3.42 | 12.89 | 12.09 | 24.56 | 23.75 | 3.23 | 2.42 | 5.23 | 4.42 |
| 28-6-2012 15:10 | 26.18 | 32.32 | 33.07 | 30.7 | 0.17 | 2.37 | 4.36 | 3.57 | 4.02 | 3.23 | 12.69 | 11.90 | 24.36 | 23.57 | 3.02 | 2.23 | 5.02 | 4.23 |
| 28-6-2012 15:20 | 26.23 | 31.82 | 32.4 | 30.37 | 0.17 | 2.03 | 4.13 | 3.46 | 3.80 | 3.12 | 12.47 | 11.79 | 24.13 | 23.46 | 2.80 | 2.12 | 4.80 | 4.12 |
| 28-6-2012 15:30 | 26.07 | 31.24 | 31.85 | 29.78 | 0.17 | 2.07 | 3.95 | 3.26 | 3.62 | 2.93 | 12.28 | 11.59 | 23.95 | 23.26 | 2.62 | 1.93 | 4.62 | 3.93 |
| 28-6-2012 15:40 | 26.2 | 32.11 | 33.26 | 29.97 | 0.17 | 3.29 | 4.42 | 3.32 | 4.09 | 2.99 | 12.75 | 11.66 | 24.42 | 23.32 | 3.09 | 1.99 | 5.09 | 3.99 |
| 28-6-2012 15:50 | 26.59 | 33.47 | 34.57 | 30.6 | 0.17 | 3.97 | 4.86 | 3.53 | 4.52 | 3.20 | 13.19 | 11.87 | 24.86 | 23.53 | 3.52 | 2.20 | 5.52 | 4.20 |
| 28-6-2012 16:00 | 26.61 | 33.11 | 34.58 | 30.59 | 0.17 | 3.99 | 4.86 | 3.53 | 4.53 | 3.20 | 13.19 | 11.86 | 24.86 | 23.53 | 3.53 | 2.20 | 5.53 | 4.20 |
| 28-6-2012 16:10 | 26.94 | 33.62 | 35.25 | 30.73 | 0.17 | 4.52 | 5.08 | 3.58 | 4.75 | 3.24 | 13.42 | 11.91 | 25.08 | 23.58 | 3.75 | 2.24 | 5.75 | 4.24 |
| 28-6-2012 16:20 | 27 | 33.49 | 35.35 | 30.93 | 0.17 | 4.42 | 5.12 | 3.64 | 4.78 | 3.31 | 13.45 | 11.98 | 25.12 | 23.64 | 3.78 | 2.31 | 5.78 | 4.31 |
| 28-6-2012 16:30 | 27.16 | 33.52 | 35.11 | 30.82 | 0.17 | 4.29 | 5.04 | 3.61 | 4.70 | 3.27 | 13.37 | 11.94 | 25.04 | 23.61 | 3.70 | 2.27 | 5.70 | 4.27 |
| 28-6-2012 16:40 | 27.45 | 34.09 | 35.59 | 30.81 | 0.17 | 4.78 | 5.20 | 3.60 | 4.86 | 3.27 | 13.53 | 11.94 | 25.20 | 23.60 | 3.86 | 2.27 | 5.86 | 4.27 |
| 28-6-2012 16:50 | 27.61 | 34.85 | 37.21 | 31.39 | 0.17 | 5.82 | 5.74 | 3.80 | 5.40 | 3.46 | 14.07 | 12.13 | 25.74 | 23.80 | 4.40 | 2.46 | 6.40 | 4.46 |
| 28-6-2012 17:00 | 28.66 | 40.11 | 43.3 | 33.73 | 0.17 | 9.57 | 7.77 | 4.58 | 7.43 | 4.24 | 16.10 | 12.91 | 27.77 | 24.58 | 6.43 | 3.24 | 8.43 | 5.24 |
| 28-6-2012 17:10 | 29.1 | 40.97 | 44.77 | 34.9 | 0.17 | 9.87 | 8.26 | 4.97 | 7.92 | 4.63 | 16.59 | 13.30 | 28.26 | 24.97 | 6.92 | 3.63 | 8.92 | 5.63 |
| 28-6-2012 17:20 | 29.18 | 40.65 | 44.54 | 35.12 | 0.17 | 9.42 | 8.18 | 5.04 | 7.85 | 4.71 | 16.51 | 13.37 | 28.18 | 25.04 | 6.85 | 3.71 | 8.85 | 5.71 |
| 28-6-2012 17:30 | 29.13 | 39.67 | 43.46 | 35.07 | 0.17 | 8.39 | 7.82 | 5.02 | 7.49 | 4.69 | 16.15 | 13.36 | 27.82 | 25.02 | 6.49 | 3.69 | 8.49 | 5.69 |
| 28-6-2012 17:40 | 29.49 | 40.44 | 43.78 | 35.14 | 0.17 | 8.64 | 7.93 | 5.05 | 7.59 | 4.71 | 16.26 | 13.38 | 27.93 | 25.05 | 6.59 | 3.71 | 8.59 | 5.71 |
| 28-6-2012 17:50 | 29.86 | 41.16 | 43.77 | 35.27 | 0.17 | 8.50 | 7.92 | 5.09 | 7.59 | 4.76 | 16.26 | 13.42 | 27.92 | 25.09 | 6.59 | 3.76 | 8.59 | 5.76 |
| 28-6-2012 18:00 | 29.73 | 40.74 | 43.41 | 35.2 | 0.17 | 8.21 | 7.80 | 5.07 | 7.47 | 4.73 | 16.14 | 13.40 | 27.80 | 25.07 | 6.47 | 3.73 | 8.47 | 5.73 |
| 28-6-2012 18:10 | 29.42 | 38.71 | 41.32 | 34.68 | 0.17 | 6.64 | 7.11 | 4.89 | 6.77 | 4.56 | 15.44 | 13.23 | 27.11 | 24.89 | 5.77 | 3.56 | 7.77 | 5.56 |
| 28-6-2012 18:20 | 28.72 | 34.63 | 37.08 | 33.22 | 0.17 | 3.86 | 5.69 | 4.41 | 5.36 | 4.07 | 14.03 | 12.74 | 25.69 | 24.41 | 4.36 | 3.07 | 6.36 | 5.07 |
| 28-6-2012 18:30 | 28.59 | 33.79 | 35.66 | 32.68 | 0.17 | 2.98 | 5.22 | 4.23 | 4.89 | 3.89 | 13.55 | 12.56 | 25.22 | 24.23 | 3.89 | 2.89 | 5.89 | 4.89 |
| 28-6-2012 18:40 | 28.31 | 32.57 | 33.61 | 31.8 | 0.17 | 1.81 | 4.54 | 3.93 | 4.20 | 3.60 | 12.87 | 12.27 | 24.54 | 23.93 | 3.20 | 2.60 | 5.20 | 4.60 |
| 28-6-2012 18:50 | 27.99 | 30.49 | 31.28 | 30.76 | 0.17 | 0.52 | 3.76 | 3.59 | 3.43 | 3.25 | 12.09 | 11.92 | 23.76 | 23.59 | 2.43 | 2.25 | 4.43 | 4.25 |
| 28-6-2012 19:00 | 27.34 | 26.98 | 26.92 | 28.06 | 0.17 | 1.14 | 2.31 | 2.69 | 1.97 | 2.35 | 10.64 | 11.02 | 22.31 | 22.69 | 0.97 | 1.35 | 2.97 | 3.35 |
| 28-6-2012 19:10 | 27.45 | 29.45 | 28.12 | 27.85 | 0.17 | 0.27 | 2.71 | 2.62 | 2.37 | 2.28 | 11.04 | 10.95 | 22.71 | 22.62 | 1.37 | 1.28 | 3.37 | 3.28 |
| 28-6-2012 19:20 | 27.55 | 30.19 | 29.3 | 28.4 | 0.17 | 0.90 | 3.10 | 2.80 | 2.77 | 2.47 | 11.43 | 11.13 | 23.10 | 22.80 | 1.77 | 1.47 | 3.77 | 3.47 |
| 28-6-2012 19:30 | 27.47 | 30 | 29.34 | 28.27 | 0.17 | 1.07 | 3.11 | 2.76 | 2.78 | 2.42 | 11.45 | 11.09 | 23.11 | 22.76 | 1.78 | 1.42 | 3.78 | 3.42 |
| 28-6-2012 19:40 | 27.47 | 29.97 | 29.55 | 28.06 | 0.17 | 1.49 | 3.18 | 2.69 | 2.85 | 2.35 | 11.52 | 11.02 | 23.18 | 22.69 | 1.85 | 1.35 | 3.85 | 3.35 |
| 28-6-2012 19:50 | 27.66 | 30.83 | 30.49 | 28.23 | 0.17 | 2.26 | 3.50 | 2.74 | 3.16 | 2.41 | 11.83 | 11.08 | 23.50 | 22.74 | 2.16 | 1.41 | 4.16 | 3.41 |
| 28-6-2012 20:00 | 27.67 | 30.85 | 30.86 | 28.12 | 0.17 | 2.74 | 3.62 | 2.71 | 3.29 | 2.37 | 11.95 | 11.04 | 23.62 | 22.71 | 2.29 | 1.37 | 4.29 | 3.37 |
| 28-6-2012 20:10 | 27.47 | 29.79 | 29.88 | 27.69 | 0.17 | 2.19 | 3.29 | 2.56 | 2.96 | 2.23 | 11.63 | 10.90 | 23.29 | 22.56 | 1.96 | 1.23 | 3.96 | 3.23 |
| 28-6-2012 20:20 | 27.13 | 28.9 | 28.95 | 27.28 | 0.17 | 1.67 | 2.98 | 2.43 | 2.65 | 2.09 | 11.32 | 10.76 | 22.98 | 22.43 | 1.65 | 1.09 | 3.65 | 3.09 |
| 28-6-2012 20:30 | 27.03 | 28.49 | 28.4 | 27.08 | 0.17 | 1.32 | 2.80 | 2.36 | 2.47 | 2.03 | 11.13 | 10.69 | 22.80 | 22.36 | 1.47 | 1.03 | 3.47 | 3.03 |
| 28-6-2012 20:40 | 26.79 | 26.52 | 26.46 | 26.52 | 0.17 | 0.06 | 2.15 | 2.17 | 1.82 | 1.84 | 10.49 | 10.51 | 22.15 | 22.17 | 0.82 | 0.84 | 2.82 | 2.84 |
| 28-6-2012 20:50 | 26.61 | 25.79 | 24.25 | 25.01 | 0.17 | 0.76 | 1.42 | 1.67 | 1.08 | 1.34 | 9.75 | 10.00 | 21.42 | 21.67 | 0.08 | 0.34 | 2.08 | 2.34 |
| 28-6-2012 21:00 | 26.7 | 26.52 | 24.84 | 24.72 | 0.17 | 0.12 | 1.61 | 1.57 | 1.28 | 1.24 | 9.95 | 9.91 | 21.61 | 21.57 | 0.28 | 0.24 | 2.28 | 2.24 |
| 28-6-2012 21:10 | 26.71 | 27.06 | 25.72 | 24.92 | 0.17 | 0.80 | 1.91 | 1.64 | 1.57 | 1.31 | 10.24 | 9.97 | 21.91 | 21.64 | 0.57 | 0.31 | 2.57 | 2.31 |
| 28-6-2012 21:20 | 26.62 | 27.08 | 25.91 | 25.03 | 0.17 | 0.88 | 1.97 | 1.68 | 1.64 | 1.34 | 10.30 | 10.01 | 21.97 | 21.68 | 0.64 | 0.34 | 2.64 | 2.34 |
| 28-6-2012 21:30 | 26.4 | 26.87 | 26.02 | 24.84 | 0.17 | 1.18 | 2.01 | 1.61 | 1.67 | 1.28 | 10.34 | 9.95 | 22.01 | 21.61 | 0.67 | 0.28 | 2.67 | 2.28 |
| 28-6-2012 21:40 | 26.15 | 26.51 | 25.78 | 24.61 | 0.17 | 1.17 | 1.93 | 1.54 | 1.59 | 1.20 | 10.26 | 9.87 | 21.93 | 21.54 | 0.59 | 0.20 | 2.59 | 2.20 |
| 28-6-2012 21:50 | 25.91 | 25.91 | 25.18 | 24.16 | 0.17 | 1.02 | 1.73 | 1.39 | 1.39 | 1.05 | 10.06 | 9.72 | 21.73 | 21.39 | 0.39 | 0.05 | 2.39 | 2.05 |
| 28-6-2012 22:00 | 25.65 | 25.23 | 24.51 | 23.75 | 0.17 | 0.76 | 1.50 | 1.25 | 1.17 | 0.92 | 9.84 | 9.58 | 21.50 | 21.25 | 0.17 | -0.08 | 2.17 | 1.92 |
| 28-6-2012 22:10 | 25.39 | 24.63 | 23.83 | 23.3 | 0.17 | 0.53 | 1.28 | 1.10 | 0.94 | 0.77 | 9.61 | 9.43 | 21.28 | 21.10 | 0.03 | -0.23 | 1.94 | 1.77 |
| 28-6-2012 22:20 | 25.33 | 24.32 | 23.4 | 23.04 | 0.17 | 0.36 | 1.13 | 1.01 | 0.80 | 0.68 | 9.47 | 9.35 | 21.13 | 21.01 | 0.10 | 0.16 | 1.80 | 1.68 |
| 28-6-2012 22:30 | 25.12 | 23.95 | 23.02 | 22.8 | 0.17 | 0.22 | 1.01 | 0.93 | 0.67 | 0.60 | 9.34 | 9.27 | 21.01 | 20.93 | 0.16 | 0.20 | 1.67 | 1.60 |
| 28-6-2012 22:40 | 24.87 | 23.65 | 22.68 | 22.51 | 0.17 | 0.17 | 0.89 | 0.84 | 0.56 | 0.50 | 9.23 | 9.17 | 20.89 | 20.84 | 0.22 | 0.25 | 1.56 | 1.50 |
| 28-6-2012 22:50 | 24.67 | 23.51 | 22.57 | 22.27 | 0.17 | 0.30 | 0.86 | 0.76 | 0.52 | 0.42 | 9.19 | 9.09 | 20.86 | 20.76 | 0.24 | 0.29 | 1.52 | 1.42 |
| 28-6-2012 23:00 | 24.24 | 22.95 | 22.13 | 21.97 | 0.17 | 0.16 | 0.71 | 0.66 | 0.38 | 0.32 | 9.04 | 8.99 | 20.71 | 20.66 | 0.31 | 0.34 | 1.38 | 1.32 |
| 28-6-2012 23:10 | 23.98 | 22.57 | 21.86 | 21.65 | 0.17 | 0.21 | 0.62 | 0.55 | 0.29 | 0.22 | 8.95 | 8.88 | 20.62 | 20.55 | 0.36 | 0.39 | 1.29 | 1.22 |
| 28-6-2012 23:20 | 23.74 | 22.29 | 21.57 | 21.42 | 0.17 | 0.15 | 0.52 | 0.47 | 0.19 | 0.14 | 8.86 | 8.81 | 20.52 | 20.47 | 0.41 | 0.43 | 1.19 | 1.14 |
| 28-6-2012 23:30 | 23.42 | 22 | 21.19 | 21.05 | 0.17 | 0.14 | 0.40 | 0.35 | 0.06 | 0.02 | 8.73 | 8.68 | 20.40 | 20.35 | 0.47 | 0.49 | 1.06 | 1.02 |
| 28-6-2012 23:40 | 23.16 | 21.85 | 21.02 | 20.75 | 0.17 | 0.27 | 0.34 | 0.25 | 0.01 | -0.08 | 8.67 | 8.58 | 20.34 | 20.25 | 0.50 | 0.54 | 1.01 | 0.92 |
| 28-6-2012 23:50 | 22.94 | 21.55 | 20.72 | 20.47 | 0.17 | 0.25 | 0.24 | 0.16 | 0.05 | -0.18 | 8.57 | 8.49 | 20.24 | 20.16 | 0.55 | 0.59 | 0.91 | 0.82 |
| | | | | | | 442.61 | **456.67** | **314.79** | **433.63** | **289.29** | **1550.23** | **1408.26** | **3230.23** | **3088.26** | **376.18** | **247.24** | **506.30** | **364.42** |
| Verschil energietransport door dakmembraam bij type gebouwgebruik en percentage besparing tov r | | | | | | | **141.88** | **31%** | **144.34** | **33%** | **141.96** | **9%** | **141.96** | **4%** | **128.94** | **34%** | **141.87** | **28%** |

**Gemiddelde temperatuurverschil Zwart - Evalon per dag in de zomer**

| | | | | | |
|---|---|---|---|---|---|
| Gemiddeld verschil t | 442.61 | 14-157 | 144 | 0.00-24.00 | **3.07** |
| scholen | 296.21 | 62-110 | 49 | 8.00 - 16.0 | **6.045102** |
| kantoren | 382.64 | 62-122 | 61 | 8.00 - 18.0 | **6.272787** |
| koelhuizen | 442.61 | 14-157 | 144 | 0.00-24.00 | **3.07** |
| vrieshuizen | 442.61 | 14-157 | 144 | 0.00-24.00 | **3.07** |
| datacenters | 442.61 | 14-157 | 144 | 0.00-24.00 | **3.07** |
| verzorgingshuizen | 442.61 | 14-157 | 144 | 0.00-24.00 | **3.07** |

| Type gebouwgebru | Wh/dag | gen per ze | le tempera | /h naar kW | % besparing |
|---|---|---|---|---|---|
| **scholen** | **141.88** | 12769.2 | 20 | **12.8** | **31%** |
| **kantoren** | **144.34** | 12990.6 | 21 | **13.0** | **33%** |
| **koelhuizen** | **141.96** | 12776.4 | -5 | **12.8** | **9%** |
| **vrieshuizen** | **141.96** | 12776.4 | -40 | **12.8** | **4%** |
| **datacenters** | **128.94** | 11604.6 | 24 | **11.6** | **34%** |
| **verzorgingshuizen** | **141.87** | 12768.3 | 18 | **12.8** | **28%** |