

Efficiency analysis report

Sample audit A_copy_11/08/2017 13:32:46

Audited from 2013-08-12 09:20 until 2013-09-02 13:23

SIM_COLLECTION_0
Supply side calculated flow 0 (Timespan)

2017-09-26

EQUIPMENT DATA

Units Flow: m³/min Pressure: psi Power: kW







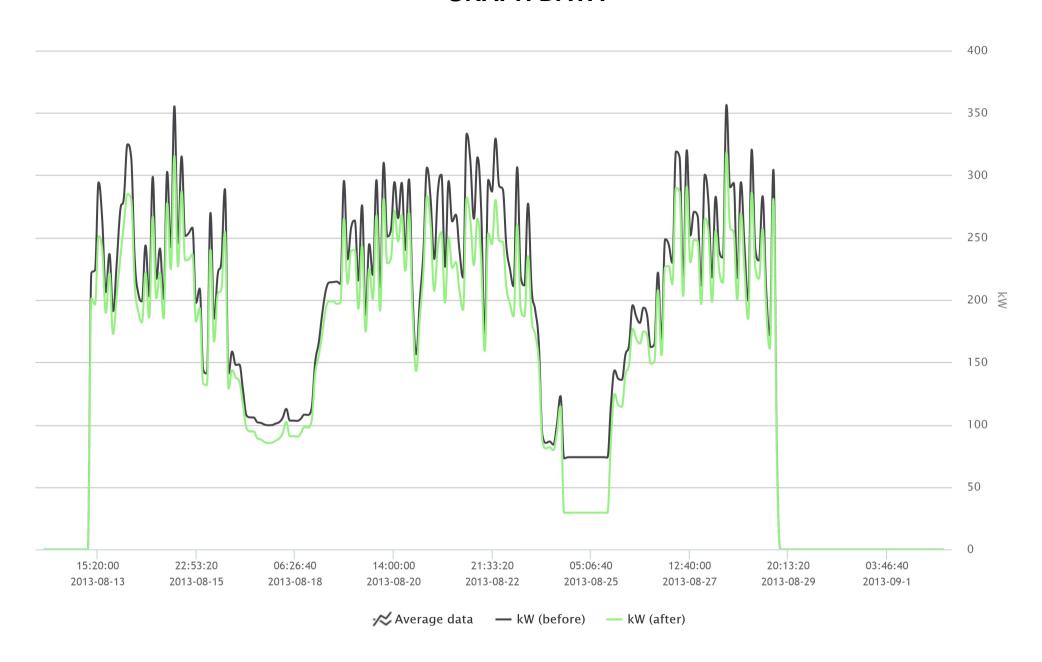


CHART DATA

| 508 | \approx | kw]3 | × kw | Carlo | | 12 | (B) |
|------------------------|----------------|----------|------------|----------------------|------------------------|----------------------------------|----------|
| 0-10 % 36h 8m | 0 - 106.3 | 74.8 | 33.7 | 41.1 | 3.29 | 25608.5 | 2048.68 |
| 10-20 % 52h 40m | 106.3 - 212.6 | 105.7 | 94.6 | 11.1 | 0.89 | 10082.9 | 806.63 |
| 20-30 % 59m | 212.6 - 319 | 126.4 | 120.1 | 6.3 | 0.50 | 107.4 | 8.59 |
| 30-40 % 85h 36m | 319 - 425.3 | 159.7 | 151 | 8.7 | 0.70 | 12842.2 | 1027.38 |
| 40-50 % 89h 36m | 425.3 - 531.6 | 214.2 | 195.8 | 18.4 | 1.47 | 28430.1 | 2274.41 |
| 50-60 % 48h 41m | 531.6 - 637.9 | 249.1 | 235.5 | 13.6 | 1.09 | 11419.9 | 913.59 |
| 60-70 % 4h 4m | 637.9 - 744.2 | 368.8 | 301.2 | 67.6 | 5.41 | 4745.9 | 379.67 |
| 70-80 % 42h 3m | 744.2 - 850.6 | 392.4 | 326.2 | 66.2 | 5.30 | 48001.3 | 3840.10 |
| 80-90 % 20h 41m | 850.6 - 956.9 | 418.2 | 379.8 | 38.4 | 3.07 | 13704.9 | 1096.39 |
| 90-100 % 1h 39m | 956.9 - 1063.2 | 444.2 | 418.5 | 25.7 | 2.06 | 734.5 | 58.76 |
| 4h 43m | N/A | 0 | 0 | 0 | 0 | 0.00 | 0.00 |
| 121h 6m | 13 | 93119 kW | 1237383 kW | You will save: 15567 | 8 kW hours, \$ 12454.: | 21, 96208.76 lbs/CO ₂ | per year |

CONCLUSIONS

SIMULATION DATA



Audit name Sample audit A_copy_11/08/2017 13:32:46

Collection name SIM_COLLECTION_0

Simulation name Supply side calculated flow 0 (Timespan)

Simulation type Supply side calculated flow

| | Prepared for | Prepared by (author) | | | | |
|---|--|---|--|--|--|--|
| Company Address line 1 Address line 2 City ZIP State Country Name | sample company name sample Address 1 sample Address 2 sample City sample zip sample state Belgium Mr. sample given name sample family name | Company Address line 1 Address line 2 City ZIP State Country Name Email | CMC NV / / / / Belgium Mr. Anthony Hoeckman anthony.hoeckman@cmcnv.com | | | |
| Summary conclusions | | | | | | |

We have concluded that **you will save 155678 kW hours, \$ 12454.21 and 96208.76 kilo/CO₂ per year** by applying the proposed equipment configuration shown on page 2 of this report.

Evidence to support our conclusions is provided in the associated Graph & Chart data.

Graph data shows the sites unmanaged versus managed specific efficiency and operating pressure range alongside the annualised system utilisation.

Chart data tables system utilisation in easy to read 10% 'utilisation zones' and highlights the difference in unmanaged versus managed kW, kW hours and cost per annum within each zone before totalising savings at the foot of the table.

Additional author comments relating to this efficiency analysis report follow

AUTHOR COMMENTS

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|----------------------|------------|--|
| Signature of author: | Dated: | |
| | | |

The estimates shown are calculated from given compressor performance data and are intended to demonstrate the potential energy cost savings achievable by the use of Gardner Denver energy efficient products. These estimates do not constitute a contract or part thereof. Site conditions vary and operating conditions are not known. Gardner Denver cannot accept liability if these savings are not achieved in practice.