

## HeVoRa II Welver-Flerke

KALENDERJAHR JAN FEB MRZ APR MAI JUN JUL AUG SEP OKT NOV DEZ SUMME

|   |     |               |               |               |               |               |               |               |               |               |               |               |               |                |
|---|-----|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|
| <b>Gesamtertrag</b> seit Inbetriebnahme | kWh | 1.780.502     | 1.424.406     | 1.184.675     | 853.340       | 811.112       | 607.906       | 726.430       | 636.774       | 716.383       | 1.098.524     | 1.313.807     | 1.815.815     | 12.969.674     |
| <b>Durchschnittsertrag*</b>             | kWh | <b>98.917</b> | <b>79.134</b> | <b>65.815</b> | <b>47.408</b> | <b>45.062</b> | <b>33.773</b> | <b>40.357</b> | <b>35.376</b> | <b>39.799</b> | <b>57.929</b> | <b>70.069</b> | <b>95.014</b> | <b>708.652</b> |
| <b>Durchschnittliche Verfügbarkeit</b>  | %   | 95,0%         | 98,4%         | 98,3%         | 99,3%         | 98,8%         | 99,0%         | 99,1%         | 99,0%         | 99,3%         | 98,9%         | 99,3%         | 99,4%         | 98,6%          |

\* Für den Durchschnittsertrag werden nur volle Betriebsjahre berücksichtigt.

|                                    |           |              |  |  |  |  |              |          |  |  |            |         |  |  |
|------------------------------------|-----------|--------------|--|--|--|--|--------------|----------|--|--|------------|---------|--|--|
| <b>Angaben zur Windkraftanlage</b> | WKA-Typ:  | Enercon E-40 |  |  |  |  | Rotor-Ø:     | 40,3 m   |  |  | Nabenhöhe: | 65,0 m  |  |  |
|                                    | Leistung: | 0,5 MW       |  |  |  |  | Rotorfläche: | 1.275 m² |  |  | Baujahr:   | 10/1998 |  |  |

|             |       |         |         |        |        |        |        |        |        |        |        |        |         |                |
|-------------|-------|---------|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|---------|----------------|
| <b>1998</b> | kWh   | 0       | 0       | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 55.807 | 52.573 | 105.557 | <b>213.937</b> |
|             | Verf. | 0,0%    | 0,0%    | 0,0%   | 0,0%   | 0,0%   | 0,0%   | 0,0%   | 0,0%   | 0,0%   | 84,8%  | 97,6%  | 98,9%   | 96,6%          |
| <b>1999</b> | kWh   | 112.337 | 103.363 | 49.656 | 45.596 | 53.913 | 36.317 | 36.173 | 40.336 | 37.183 | 91.218 | 63.293 | 166.244 | <b>835.629</b> |
|             | Verf. | 99,9%   | 99,9%   | 86,7%  | 98,8%  | 99,8%  | 99,9%  | 97,9%  | 99,6%  | 99,1%  | 99,9%  | 99,9%  | 99,9%   | 98,4%          |

|             |       |         |         |        |        |        |        |        |        |        |        |        |         |                |
|-------------|-------|---------|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|---------|----------------|
| <b>2000</b> | kWh   | 107.027 | 119.733 | 90.935 | 42.561 | 48.563 | 37.422 | 39.815 | 18.223 | 32.392 | 77.293 | 97.187 | 112.803 | <b>823.954</b> |
|             | Verf. | 99,4%   | 100,0%  | 100,0% | 99,8%  | 98,7%  | 99,4%  | 99,4%  | 99,3%  | 99,9%  | 99,3%  | 99,4%  | 98,7%   | 99,4%          |
| <b>2001</b> | kWh   | 79.317  | 66.163  | 69.419 | 62.329 | 46.224 | 34.297 | 45.353 | 42.183 | 69.950 | 68.365 | 51.836 | 91.086  | <b>726.522</b> |
|             | Verf. | 99,9%   | 100,0%  | 99,7%  | 99,9%  | 93,8%  | 99,9%  | 99,9%  | 99,9%  | 100,0% | 99,7%  | 99,4%  | 99,7%   | 99,3%          |
| <b>2002</b> | kWh   | 119.875 | 169.953 | 7.318  | 63.279 | 36.390 | 37.052 | 43.483 | 13.234 | 20.895 | 97.411 | 44.047 | 75.142  | <b>728.079</b> |
|             | Verf. | 100,0%  | 99,9%   | 99,9%  | 99,5%  | 98,3%  | 96,5%  | 99,9%  | 99,9%  | 100,0% | 99,2%  | 99,2%  | 99,9%   | 99,4%          |
| <b>2003</b> | kWh   | 99.869  | 41.220  | 46.868 | 64.607 | 50.179 | 30.137 | 35.073 | 19.311 | 22.631 | 63.842 | 67.746 | 87.667  | <b>629.150</b> |
|             | Verf. | 99,9%   | 98,2%   | 99,7%  | 99,7%  | 98,6%  | 99,3%  | 99,6%  | 99,6%  | 99,6%  | 99,9%  | 99,9%  | 98,9%   | 99,0%          |
| <b>2004</b> | kWh   | 106.185 | 109.477 | 67.994 | 42.534 | 24.790 | 47.827 | 40.740 | 52.620 | 68.248 | 63.274 | 64.465 | 62.941  | <b>751.095</b> |
|             | Verf. | 100,0%  | 99,9%   | 91,1%  | 98,6%  | 99,6%  | 98,9%  | 99,0%  | 99,6%  | 97,2%  | 99,4%  | 98,8%  | 99,1%   | 98,4%          |

|             |       |         |        |         |        |        |        |        |        |        |        |         |         |                |
|-------------|-------|---------|--------|---------|--------|--------|--------|--------|--------|--------|--------|---------|---------|----------------|
| <b>2005</b> | kWh   | 141.693 | 50.533 | 69.502  | 35.424 | 33.613 | 25.968 | 40.281 | 30.723 | 24.856 | 53.961 | 64.627  | 74.928  | <b>646.109</b> |
|             | Verf. | 98,9%   | 99,8%  | 99,8%   | 97,3%  | 98,6%  | 99,1%  | 97,3%  | 98,9%  | 98,8%  | 99,6%  | 98,8%   | 98,6%   | 98,8%          |
| <b>2006</b> | kWh   | 45.558  | 65.461 | 74.796  | 53.508 | 85.530 | 21.095 | 22.959 | 42.897 | 35.687 | 77.677 | 101.211 | 116.161 | <b>742.540</b> |
|             | Verf. | 99,8%   | 99,5%  | 100,0%  | 99,8%  | 98,8%  | 99,4%  | 99,0%  | 96,4%  | 99,8%  | 99,8%  | 99,3%   | 99,7%   | 99,3%          |
| <b>2007</b> | kWh   | 180.049 | 66.322 | 94.184  | 40.206 | 60.011 | 43.587 | 68.830 | 32.162 | 45.363 | 23.081 | 80.072  | 102.650 | <b>836.517</b> |
|             | Verf. | 98,1%   | 99,7%  | 99,2%   | 99,6%  | 99,6%  | 99,6%  | 99,0%  | 99,8%  | 99,8%  | 99,8%  | 99,2%   | 99,8%   | 99,4%          |
| <b>2008</b> | kWh   | 156.530 | 79.070 | 121.033 | 43.000 | 32.361 | 34.592 | 44.222 | 55.218 | 43.931 | 54.729 | 78.833  | 54.608  | <b>798.127</b> |
|             | Verf. | 99,4%   | 95,9%  | 99,7%   | 99,6%  | 99,2%  | 99,5%  | 98,4%  | 99,6%  | 98,8%  | 97,2%  | 98,8%   | 99,8%   | 98,9%          |
| <b>2009</b> | kWh   | 65.231  | 60.812 | 69.097  | 29.863 | 51.904 | 36.200 | 50.553 | 27.648 | 39.920 | 55.691 | 116.788 | 66.023  | <b>669.730</b> |
|             | Verf. | 99,8%   | 99,6%  | 99,8%   | 99,6%  | 99,5%  | 98,9%  | 99,7%  | 99,6%  | 99,8%  | 98,6%  | 99,8%   | 99,4%   | 99,5%          |

|             |       |         |         |        |        |        |        |        |        |        |        |        |         |                |
|-------------|-------|---------|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|---------|----------------|
| <b>2010</b> | kWh   | 44.894  | 63.736  | 65.274 | 41.653 | 28.336 | 21.204 | 23.812 | 43.605 | 43.012 | 50.906 | 75.545 | 53.434  | <b>555.411</b> |
|             | Verf. | 99,8%   | 99,6%   | 98,8%  | 99,6%  | 98,8%  | 97,4%  | 99,5%  | 99,8%  | 98,6%  | 99,7%  | 99,9%  | 99,2%   | 99,2%          |
| <b>2011</b> | kWh   | 16.043  | 58.946  | 45.239 | 47.445 | 46.205 | 43.772 | 56.602 | 46.960 | 55.531 | 62.787 | 37.486 | 157.135 | <b>674.151</b> |
|             | Verf. | 19,3%   | 81,9%   | 98,4%  | 99,9%  | 99,8%  | 99,7%  | 97,9%  | 99,5%  | 98,6%  | 99,8%  | 99,2%  | 99,8%   | 91,1%          |
| <b>2012</b> | kWh   | 121.511 | 67.481  | 36.005 | 49.027 | 32.701 | 44.859 | 45.941 | 33.662 | 38.448 | 46.520 | 57.412 | 102.532 | <b>676.099</b> |
|             | Verf. | 98,8%   | 99,6%   | 99,8%  | 99,6%  | 98,9%  | 99,8%  | 99,9%  | 97,4%  | 99,9%  | 99,5%  | 99,4%  | 99,8%   | 99,4%          |
| <b>2013</b> | kWh   | 88.572  | 50.497  | 76.317 | 55.602 | 38.387 | 43.124 | 16.851 | 25.002 | 46.409 | 62.894 | 56.038 | 106.938 | <b>666.631</b> |
|             | Verf. | 99,1%   | 99,5%   | 99,1%  | 99,7%  | 98,9%  | 99,6%  | 99,8%  | 99,8%  | 99,5%  | 99,8%  | 99,1%  | 99,3%   | 99,3%          |
| <b>2014</b> | kWh   | 85.715  | 100.275 | 58.997 | 37.119 | 42.621 | 16.943 | 20.508 | 47.491 | 17.785 | 44.654 | 35.623 | 126.366 | <b>634.097</b> |
|             | Verf. | 98,8%   | 99,8%   | 99,7%  | 98,3%  | 98,1%  | 95,7%  | 97,8%  | 99,8%  | 99,9%  | 99,8%  | 99,9%  | 98,9%   | 98,9%          |

|             |       |         |         |        |        |        |        |        |        |        |        |         |        |                |
|-------------|-------|---------|---------|--------|--------|--------|--------|--------|--------|--------|--------|---------|--------|----------------|
| <b>2015</b> | kWh   | 122.879 | 49.000  | 82.522 | 43.454 | 56.079 | 33.197 | 58.412 | 33.094 | 47.716 | 21.583 | 119.700 | 94.604 | <b>762.240</b> |
|             | Verf. | 99,9%   | 98,9%   | 98,8%  | 99,4%  | 99,9%  | 98,8%  | 99,6%  | 99,8%  | 98,3%  | 97,9%  | 99,2%   | 98,8%  | 99,2%          |
| <b>2016</b> | kWh   | 87.217  | 102.364 | 59.519 | 56.133 | 43.305 | 20.313 | 36.822 | 32.405 | 26.426 | 26.831 | 49.325  | 58.996 | <b>599.656</b> |
|             | Verf. | 99,8%   | 98,9%   | 99,4%  | 99,0%  | 99,2%  | 99,7%  | 99,9%  | 99,7%  | 99,9%  | 92,4%  | 97,2%   | 99,8%  | 98,7%          |