All reports are in English except report KD 35 which is available in English and in Dutch. The author of all reports is ing. (B.Sc.) Adriaan Kragten. e-mail: info@kdwindturbines.nl website: www.kdwindturbines.nl. It is allowed to copy every public KD-report for private use.

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Development of a tubular tower for the VIRYA-3.3S windmill, June 2014, reviewed December 2014,
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                                      Development of an 8-pole, 3-phase axial flux permanent magnet generator for the VIRYA-1.35 windmill using 8 neodymium magnets size 25.4 * 25.4 * 12.7 mm.

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Calculations executed for the 3-bladed rotor of the VIRYA-3.3S windmill (\lambda_d = 4.5, steel blades) using a 34-pole PM-generator for coupling to a pump motor, December 2014.

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Ideas about a small 34-pole permanent magnet generator for a small windmill or for human power, using the stator stamping of a 6-pole asynchronous motor frame size 80 and 17 neodymium magnets size 40 * 7 * 3 mm, March 2015, reviewed October 2018.
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Ideas about a 12-pole axial flux generator for the VIRYA-1.66 windmill using 12 neodymium magnets size 25.4 * 25.4 * 12.7 mm. Design report of the rotor (\(\lambda_d = 4.5\), B = 3, stainless steel blades),
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Calculations for the 3-bladed rotor of the VIRYA-0.98 windmill (\lambda_d = 3, 15° folded aluminium blades) meant to be coupled to a Nexus hub dynamo, September 2016
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Development of an 8-pole, 3-phase axial flux permanent magnet generator for the VIRYA-1.81 windmill using 8 neodymium magnets size \phi 45 * 15 mm and a stator made out of synthetic material. Calculation of the rotor geometry, April 2017.

Ideas about a 26-pole permanent magnet generator for the VIRYA-2.2 windmill using the housing of a 4-pole, 3-phase, 0.75 kW asynchronous motor frame size 80 and 26 neodymium magnets size 40 * 7 * 3 mm. Design report of the rotor (\lambda_d = 4.75, B = 2, galvanised steel blades), May 2017, reviewed October 2018.

Ideas about an 8-pole, 3-phase permanent magnet generator with a stator without iron in the coils, using eight neodymium magnets size 80 * 20 * 10 mm and a housing of an asynchronous motor with frame size 71, November 2017, reviewed November 2018.
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Calculations executed for the 4-bladed rotor of the VIRYA-3.6 windmill (A_d = 3.5, galvanised steel blades), March 2018.

Development of the VIRYA-3.6, a windmill with a Polycord transmission in between the rotor and the vertical shaft to drive a standard centrifugal pump, April 2018, reviewed September 2018.

Calculations executed for the 3-bladed rotor of the VIRYA-3.6PC windmill (A_d = 4.5, galvanised steel blades) driving the VIRYA-4.2 PM-generator for 26 V star or driving a centrifugal pump through a rectangular gear box and a vertical shaft in the tower. Description of the pitch control safety system, April 2018.
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