

VILLIERS AQUA ENGINEERING

Prices from 15 April – 20 May 2009

NAMPO Special - All POLDAW Wind Pumps less 15%!

FINANCE AVAILABLE ON ALL MODELS!



2.2m Replacement Poldaw

Consisting of a Transmission, Wheel, Tail and Tower Adapters.

Was R 13 390-00 Now only R11 381-50!

Excluding vat, delivery and installation.

2.2m Complete Poldaw

Consisting of a Transmission, Wheel, Tail and 6m Tower.

Was R 17 990-00 Now only R15 291-50!

Excluding vat, delivery and installation.

3.5m Replacement Poldaw

Consisting of a Transmission, Wheel, Tail and Tower Adapters.

Was R 20 990-00 Now only R17 841-50!

Excluding vat, delivery and installation.

3.5m Complete Poldaw

Consisting of a Transmission, Wheel, Tail and 9m Tower.

Was R 31 990-00 Now only R27 191, 50!

Excluding vat, delivery and installation.



5m Replacement Poldaw

Consisting of a Transmission, Wheel, Tail and Tower Adapters.

Was R 39 990-00 Now only R33 991,50!

Excluding vat, delivery and installation.

5m Complete Poldaw

Consisting of a Transmission, Wheel, Tail and 9m Tower.

Was R 53 990-00 Now only R45 891, 50!

Excluding vat, delivery and installation.



Poldaw Garden Wind Pump

Consisting of a Transmission, Wheel, Tail and 3m Tower.

Now only R4 990, 00!

Excluding vat, delivery and installation.

Why buy a Poldaw Wind Pump?

- This design has a multi blade rotor, with the aerodynamics tailored to produce high torque at low speed. This enables a simple direct drive reciprocating mechanism (no gears) for low cost and high reliability.
- Maintenance requirements are very low, basically greasing of bearings etc once per year.
- The design criteria were based on observations of problems and deficiencies associated with old traditional wind pump designs and also with some modern "appropriate technology" wind pumps.
- Traditional small wind pumps usually have a reduction gearbox to give a slow speed to drive the reciprocating pump rods without dynamic problems. The Poldaw wind pump has the aerodynamics of the rotor designed to provide high torque at low speed, thereby losing out slightly on aerodynamic efficiency, but gaining greatly on simplicity and reliability.
- For maintenance, the machine can be quickly lowered to ground level, though as maintenance consists of annually applying a grease gun to a nipple on each ball bearing, this can be safely accomplished in a few minutes climbing on a light wind day (preferably with a climbing harness or safety rope.)
- Because a gearbox is not easy to manufacture, and is a source of unreliability, it was decided to design a low speed high torque rotor, which would eliminate the need for the gearbox.
- The direct drive (no gearbox) has the important merit that the weight of the pumprods can be counterbalanced simply by means of weights on the rotor.
- More cost competitive than solar pumps and any other type of wind pumps on the market.
- Compared to solar pumps that gives the same output, the Poldaw wind pump will be far cheaper.



For more details see our web page:

www.poldawwindpumps.co.za

Friamie Vorster (058) 821-0765 Cell 072 236 6845