

- Sold worldwide since 1995
- Low maintenance - grease bearings once per year
- Simple installation
- Automatic storm protection mechanism
- Modern welded fabrication design
- High quality self-aligning ball bearings

## SPECIFICATIONS for POLDAW 2.2M WIND PUMPS for BOREHOLES of up to 30 METRES

- Rotor diameter: 2.2m (7 feet)
- No of blades: 8
- Tower height: 6 or 9 metres
- Maximum rotor speed: 125 rpm
- Minimum starting windspeed: 9 km/hr
- Cut-out windspeed: 40 km/hr
- Survival wind speed: 144 km/hr
- Typical rotor speed: 50 - 80 rpm



**Automatic storm protection:** - in winds of over 40 km/hr the rotor turns edge-on to wind, and when the wind drops, it automatically restores to normal operation.  
**Maintenance requirements:** greasing of all bearings once per year.

- Pump stroke: 60mm
- Pump diameters and output: depends on depth of bore-hole and strength of wind. See table:

Head		Light wind - 3 m/s		Medium wind - 4 m/s	
Metres	Feet	Water litres/day	Pump dia	Water litres/day	Pump dia
5	15	16000	110mm	29000	130mm
10	30	7000	75mm	13000	90mm
15	50	4300	60mm	8500	75mm
20	65	3000	50mm	6000	60mm
25	80	2000	40mm	4500	50mm
30	100	1500	35mm	3300	45mm

### WHAT MAKES THE POLDAW DIFFERENT FROM OTHER WIND PUMPS?

- ✓ Purchase cost and lifetime cost lower than other wind pumps
- ✓ Reliable, robust, sustainable technology
- ✓ Ultra low operation and maintenance costs
- ✓ Easy, quick and safe installation and maintenance
- ✓ High efficiency wheel and mechanism for high water output
- ✓ Counterbalance system ensures startup in very light winds
- ✓ A Poldaw transmission head, wheel and tail can easily be installed on existing tower
- ✓ No oil bath, no gears