



- 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 3.5M WIND PUMPS for BOREHOLES of up to 120 METRES

Automatic storm protection: - in winds of over 54 km/hr the rotor turns edge-on to wind, and when the wind drops, it automatically restores to normal operation.

- Pump stroke: 100mm
- Maximum rotor speed: 90 rpm
- Typical rotor speed: 40 - 60 rpm
- Pump diameters and output: Depends on depth of borehole and strength of wind. See table:

- Rotor diameter: 3.5m (12 feet)
- No of blades: 12
- Tower height: 9 or 12 metres
- Starting wind speed: 9 km/hr
- Cut-out wind speed: 54 km/hr
- Survival wind speed: 180 km/hr



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	45000	180mm	90000	230mm
10	30	22000	130mm	45000	160mm
15	50	15000	110mm	29000	130mm
25	80	9000	85mm	16000	100mm
30	100	7000	75mm	13000	90mm
45	150	4700	60mm	8000	70mm
60	200	3000	50mm	5500	60mm
75	250	2200	40mm	4000	50mm

The 3.5m wind pump requires the spring counterbalance system for depth of 80 to 120 metres. Details on request.



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