



- 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 5.0M WIND PUMPS for BOREHOLES of up to 180 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.

- Maximum rotor speed: 70 rpm
- Typical rotor speed: 30 - 40 rpm
- Pump stroke: 200mm
- Pump diameters and output: Depends on depth of bore hole and strength of wind. See table:

- Rotor diameter 5m (16.5 feet)
- No of blades 18
- Tower height 9, 12 or 15 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	85000	220mm	180000	280mm
10	30	41000	150mm	90000	200mm
15	50	27000	130mm	60000	160mm
25	80	16000	100mm	39000	125mm
30	100	14000	90mm	32000	110mm
45	150	9000	70mm	22000	90mm
60	200	7000	63mm	16000	85mm
75	250	5500	57mm	13000	75mm
90*	300*	4500	50mm	11000	70mm
120*	400*	3400	45mm	8000	60mm
150*	500*	2400	40mm	6000	53mm
180*	600*	2200	37mm	5000	50mm

For heads of 90 metres (300 feet) or more, the spring counterbalance system is recommended. 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