


SPECIFICATION POLDAW 5.0m WIND PUMP FOR BORE HOLES UP TO 145 M

Life span 20 years plus
 Low maintenance – grease moving parts/bearings once per year
 Simple installation
 Automatic storm protection mechanism
 Mild steel welded construction, self-aligned flanged bearings

Rotor diameter	15 feet (5 m)	
Blades	18 off	
Tower height	9 m (30 feet)	
Starting wind speed	9 Km/hr	
Cut-out wind speed	54 Km/hr	
Survival wind speed	180 Km/hr	

- Maximum rotor speed 70 rpm
- Typical rotor speed 30 - 40 rpm
- Automatic storm protection: - in winds of over 54 Km/h the rotor turns edge-on to wind, and when the wind drops, it automatically restores to normal operation.
- Pump stroke 200 mm

Pump diameter and output: depends on depth of bore hole and strength of wind see table below:

Total pumping head (metres)	Light wind 10 Km/h	Medium wind 14 Km/h	Strong wind 18 Km/h
5	93,000 litres	185,000	301,000
10	46,000	90,000	145,000
20	23,000	42,000	70,000
30	15,000	26,000	45,000
40	11,000	19,000	32,000
50	8,000	14,000	24,000
60	6,000	11,000	19,000
80	5,000	8,000	13,000
100	3,400	6,000	9,000
120	2,400	4,600	6,700
140	1,700	3,500	4,900



WHAT MAKES THE POLDAW DIFFERENT FROM OTHER WIND PUMPS?

Cost competitive with other pumping methods and lower than other wind pumps.

Reliable, robust sustainable technology.

Ultra low operation and maintenance costs

Easy, safe installation and maintenance

Unique designed wheel for optimum wind usage, for maximum pump delivery

A POLDAW transmission, wheel and tail, can easily be installed onto an existing tower

No geared transmission

No oil bath

For more details see our web page: www.poldawwindpumps.co.za

Friamie Vorster (058) 821 0765 Cell 0722 366 845

