



**YELLOW  
TAIL**

*Pumping Water  
...Naturally*

Hot Dipped  
Galvanised  
Components

Innovative Design

Perfectly Balanced

Simple Erection  
and Assembly

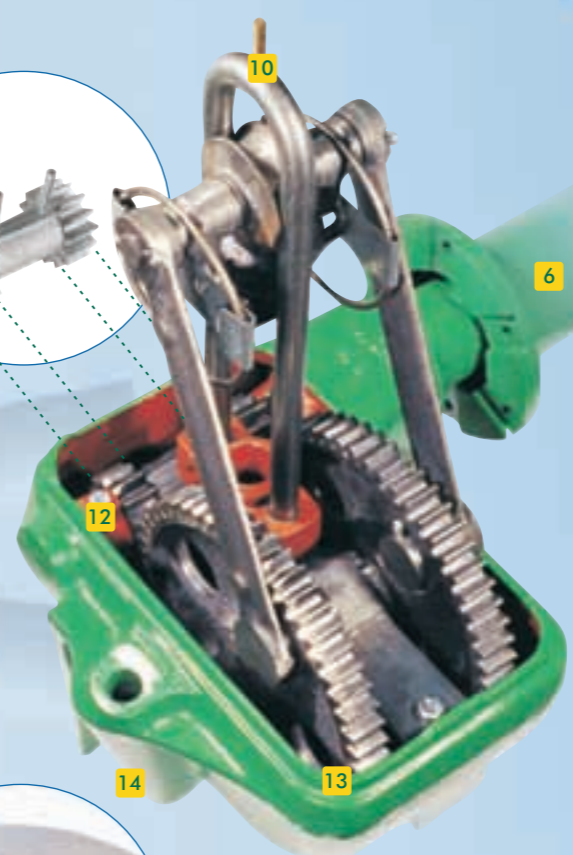
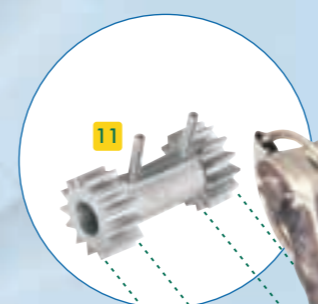
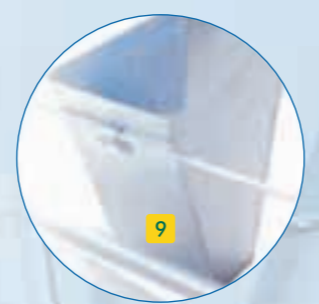
'Stormproof'  
Automatic  
Governing

50 Years  
Field Tested

Engineer  
Designed

Phone: (08) 9355 1133  
[wdmoore.com.au](http://wdmoore.com.au)

Outstanding in the field  
and backed by **moore**  
experience



Perfectly  
**balanced**  
Strong, durable and  
**efficient**

- 1** 'Storm Proof' Automatic Governing protects the windmill in high winds
- 2** Safety Ladder rotates with windmill (10', 12', and 14' only)
- 3** Rugged Windwheel turns in the lightest breeze, but strong enough to withstand gale force winds
- 4** 'A' Frame Wheel Arms, strong and easy to assemble
- 5** Sails built in to the Wheel designed for maximum pumping efficiency
- 6** Hub and Spindle press-fitted together for long life
- 7** Turntable allows 360 Degree rotation around a polished Pivot Tube
- 8** Stub Tower forms the apex to the windmill tower
- 9** Head Cover protects the gear mechanism from the elements and doubles as a toolbox
- 10** Round Guide Loop for greater strength and stability
- 11** Twin Pinions cast as one piece for a longer life
- 12** Automatic Self-oiling System ensures all moving parts are lubricated
- 13** Double Self-Aligning Gearwheels ensure connecting rods share an equal load
- 14** Main Casting accurately line-bored and fitted with high quality replaceable bearings

**HOT DIPPED GALVANISED COMPONENTS**

- Long life
- Low maintenance
- Clean

**SIMPLE INNOVATIVE DESIGN**

- Easy to assemble & erect
- Foolproof self-oiling
- Utilises industry common parts
- Maximum efficiency

**PERFECTLY BALANCED**

- Still pumps in low (3.5 M/s) wind speeds
- Responsive to changes in wind direction
- Pumps more water
- Ensures long bearing life
- Maximum Strength for Weight ratio

**MANY OPTIONS**

- 5 Windwheel sizes
- 3-Post & 4-Post Towers
- Two Stroke Lengths
- Fits most existing Towers
- Adapts to most pumping applications

**AUTOMATIC GOVERNING**

- Withstands high wind speeds
- No need to secure during storms
- Regulates pumping flow

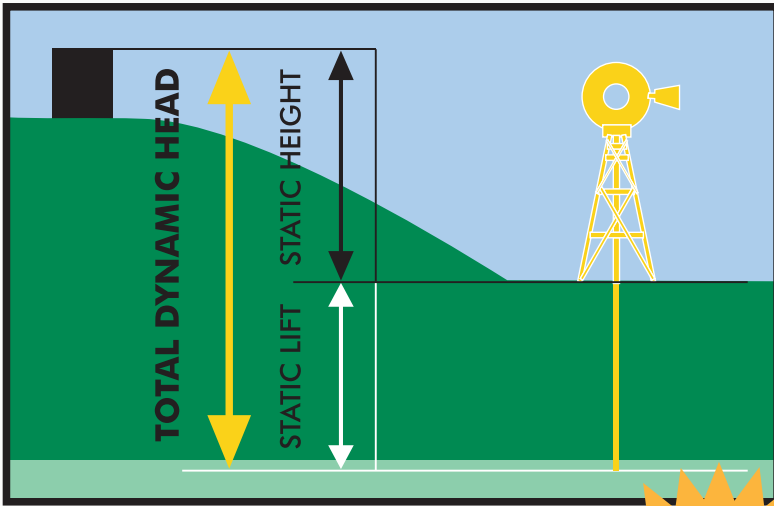
**50 YEARS FIELD TESTED**

- Quality guaranteed
- Proven success
- Outstanding Performance
- The low-cost way to pump water

**PUMPING CAPACITIES**  
For all factors involved in the calculation capacities it should be noted that the Yellowtail windmill shows a decided superiority.

YELLOWTAIL PERFORMANCE RESULTS (Based on actual tests)								
Pump Size	Inches millimetres	2	2 <sup>1/4</sup>	2 <sup>1/2</sup>	2 <sup>3/4</sup>	3	3 <sup>1/2</sup>	4
		50.8	56.3	63.5	69.8	76.2	88.9	101.6
<b>6 FOOT (1.8 MTR)</b>	Feet	71	61	49	40	34	28	25
	Metres	22	19	15	12	10	9	8
	Av. Galls (per day)	1,100	1,530	1,750	2,110	2,475	3,410	4,400
	Av. Litres (per day)	5001	6995	7956	9592	11251	15502	20002
<b>8 FOOT (2.4 MTR)</b>	Feet	127	102	86	72	62	44	35
	Metres	39	31	26	22	19	13	11
	Av. Galls (per day)	1,320	1,860	2,090	2,540	2,970	4,125	5,280
	Av. Litres (per day)	6001	8456	9501	11547	13502	18752	24003
<b>10 FOOT (3.0 MTR)</b>	Feet	265	233	206	161	139	99	73
	Metres	81	71	63	49	42	30	22
	Av. Galls (per day)	1,540	2,145	2,420	2,970	3,465	4,785	6,160
	Av. Litres (per day)	7001	9751	11001	13502	15752	21753	28003
<b>12 FOOT (3.6 MTR)</b>	Feet	292	255	233	199	169	139	112
	Metres	89	78	71	61	52	42	34
	Av. Galls (per day)	1,650	2,287	2,585	3,180	3,700	5,115	6,500
	Av. Litres (per day)	7501	10397	11751	14456	16820	23253	29549
<b>14 FOOT (4.2 MTR)</b>	Feet	385	314	282	245	201	169	134
	Metres	117	96	86	75	61	52	41
	Av. Galls (per day)	1,705	2,385	2,668	3,285	3,823	5,280	6,820
	Av. Litres (per day)	7751	10842	12129	14934	17379	24003	31004





To choose the right windmill you will need to calculate your TDH and determine your water needs. If you have an existing pump and/or pumphods already on the job, or there are any wind obstructions (eg buildings/trees) in the pumping area then you will need speak to one of our helpful staff.

**CALCULATE YOUR T.D.H.!**  
by visiting our website work out your own TDH specifications in 3 easy steps!

## YELLOWTAIL SPECIFICATIONS

<b>WHEEL SIZES:</b>	6', 8', 10', 12' and 14ft diameter.
<b>GEARBOX:</b>	One piece casting.
<b>CONNECTING RODS:</b>	Specially cast for extra strength.
<b>OILING:</b>	Double ring to crosshead; oil sleeve to hub shaft.
<b>GEARS:</b>	Double gears, self aligning
<b>BEARINGS:</b>	White metal, replaceable.
<b>HUB:</b>	Pressed and Keyed to shaft.
<b>3&amp;4 POST TOWERS:</b>	20ft, 30ft and 40ft.
<b>STROKE:</b>	<b>6'</b> 4" or 5" /102 or 127mm <b>8'</b> 5" or 6 <sup>1/4"</sup> /127 or 159mm <b>10'</b> 6" or 7 <sup>3/8"</sup> /152 or 187mm <b>12'</b> 6" or 7 <sup>3/8"</sup> /152 or 187mm <b>14'</b> 7 <sup>1/4"</sup> /184mm
<b>GEAR RATIOS:</b>	<b>6'</b> 3.6:1, <b>8'</b> 3.8:1, <b>10'</b> 3.25:1 <b>12'</b> 3.25:1, <b>14'</b> 3.25:1

## The Solar option

The most comprehensive range of solar pumping options

There are four types of W.D. Moore & Co. Solar Pumping Systems

### The "SF" Range

These are for pumping from a surface supply - a dam, soak, river or tank. These systems deliver between 2,000 to 20,000 litres per day, with heads up to 30 metres.

### The "Eco" Submersible

Used when the bore will not yield a big volume or if the demand for water is not great. The system uses Sunpump SDS (piston diaphragm) pump, and provides volumes from 600 to 5,000 litres per day.

### HR - Submersible

These are larger systems using a Helical Rotor (or progressive Cavity) Pump, powered by a Brushless DC Motor. These systems are primarily bore hole systems but the same pump can be used for surface pumping applications where high head is required. Heads to 160 metre, volume to 30,000 litres per day.

### The "C-SJ" Submersible

This is the largest of the solar pumping systems. The "C-SJ" uses a Brushless DC Motor and a multi-stage centrifugal wet-end. Volume in excess of 100,000 litres per day.



## Windmills

## Poly Rod Borehole System

## Alderdice Pumps & Valves

## Submersible Pumps

## Pump Buckets

## Spare Parts

## Solar Pumps

# WD Moore & Co

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