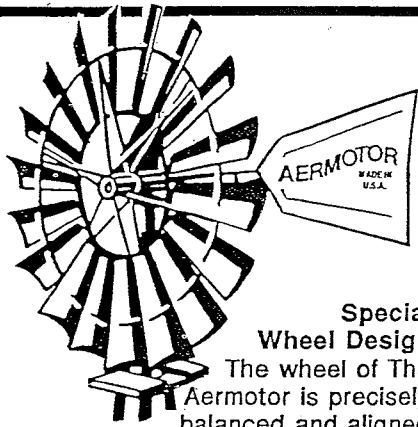
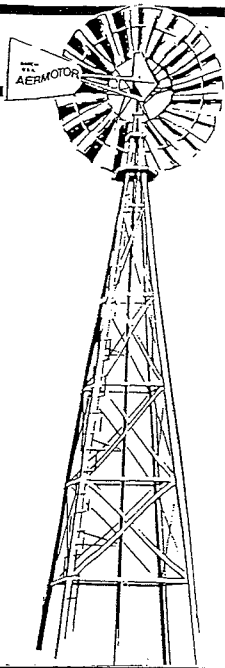


# Aermotor Windmills are Designed for Service.



### Special Wheel Design

The wheel of The Aermotor is precisely balanced and aligned for smooth, efficient operation. Special air foils start the wheel moving effortlessly under full load, even in a mild breeze.

### Postive Oiling System

Oil is circulated freely to all gears, bearings and moving parts. The reservoir holds an ample supply, and an annual oil change is the only maintenance required.

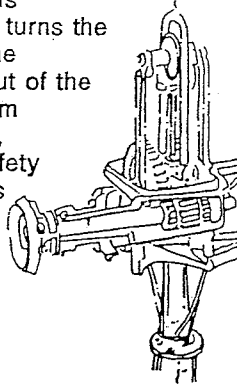
### Removable Bearings

Low Friction bearings and all moving parts can be replaced easily.

**Double Gears and Pitmans**  
A balanced load on all moving parts assures minimum wear.

### Automatic Regulation

An ingenious mechanism turns the wheel of The Aermotor out of the face of storm force winds, assuring safety during gales and severe weather.



### Outside Furling Device

This important safety feature eliminates owner contact with moving parts. The furling device on The Aermotor is mounted on the outside of the tower, below the mill.

### Adjustable Brake

It couldn't be simpler. Natural wear in the brake is taken up by adjusting a single nut.

### Adjustable Stroke

The Aermotor can be adjusted for long or short pump rod stroke, depending on requirements. The short stroke gives power, the long stroke delivers greater volumes.

### Towers of Strength

Heavy, galvanized anchor post with double-angle cross piece bracing provide a firm foundation. All corner post are notched for structural integrity, and horizontal girts at seven-foot intervals assure unyielding strength and rigidity. All steel parts are heavily galvanized.

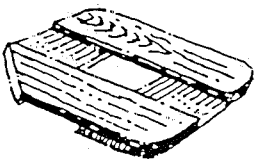


Aermotor Windmill Specifications

MODEL 802*	MILL SIZE (WHEEL DIA.) (Feet)	STROKE (Inches)	NO. OF SAILS	SHIPPING WEIGHT (Pounds)
X	6	5 and 3 <sup>3</sup> / <sub>4</sub>	18	200
A	8	7 <sup>1</sup> / <sub>8</sub> and 5 <sup>1</sup> / <sub>2</sub>	18	350
B	10	9 <sup>1</sup> / <sub>4</sub> and 7 <sup>1</sup> / <sub>4</sub>	18	640
D	12	11 <sup>1</sup> / <sub>2</sub> and 8 <sup>1</sup> / <sub>4</sub>	18	1090
E	14	13 <sup>1</sup> / <sub>2</sub> and 9 <sup>3</sup> / <sub>4</sub>	18	1735
F	16	17 <sup>7</sup> / <sub>8</sub> and 13 <sup>3</sup> / <sub>8</sub>	18	2410

\*Model 802 and 702 windmill parts are interchangeable.

## Towers of strength.

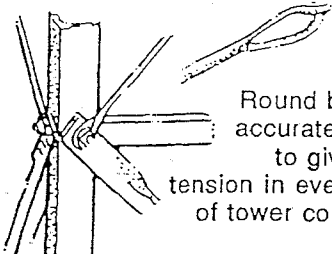


### Special Features

A platform of sturdy lumber is bolted through the corner post for security. One corner of the platform is cut away for easy access.

### Secure Loop Steps

Secure loop steps on one corner post provide safe footing and easy access to the tower. Greater slope at the corner post makes climbing easy.



Round braces are accurately gauged to give uniform tension in every section of tower construction.

### Four-Post Stub Towers for Aermotor Windmill

Aermotor Windmills can be installed on almost any type of tower. All that is required for most towers is the stub tower, which has special interlocking corner post for rigid attachment, available for both steel and wood. No stub tower is required for The Aermotor towers designed for the Aermotor Windmills.

### Selecting Your Aermotor

1. Estimate your daily water requirements.



2. Estimate pumping capacity based on 4 to 5 hours pumping time per day. This will vary depending on locality.
3. Choose cylinder size which will provide the necessary volume.
4. Determine total elevation from low in the well to the discharge level.
5. Select Aermotor size to accommodate total elevation and cylinder size.
6. Select tower with sufficient height to position windmill at least 15 feet above any surrounding wind obstructions within 400 feet.

Contact your Aermotor Dealer for pricing and delivery details.

Size of Cylinder Inches	*Capacity per Hour, Gallons		Elevation in Feet to Which Water Can Be Raised Size of Aermotor Windmill					
	6-Ft.	8-16 Ft.	6-Ft.	8-Ft.	10-Ft.	12-Ft.	14-Ft.	16-Ft.
1 <sup>7</sup> / <sub>8</sub>	125	180	120	175	260	390	560	920
2	130	190	95	140	215	320	460	750
2 <sup>1</sup> / <sub>4</sub>	180	260	77	112	170	250	360	590
2 <sup>1</sup> / <sub>2</sub>	225	325	65	94	140	210	300	490
2 <sup>3</sup> / <sub>4</sub>	265	385	56	80	120	180	260	425
3	320	550	47	68	100	155	220	360
3 <sup>1</sup> / <sub>2</sub>	440	640	35	50	76	115	160	265
3 <sup>3</sup> / <sub>4</sub>		730			65	98	143	230
4	570	830	27	37	58	86	125	200
5		1300	17	25	37	55	80	130
6	900	1875		17	25	38	55	85

Capacities shown in the above table are approximate, based on the mill set on the longstroke operating in a 15 to 20 mile an hour wind. The short stroke increases elevation by one third and reduces pumping capacity one fourth