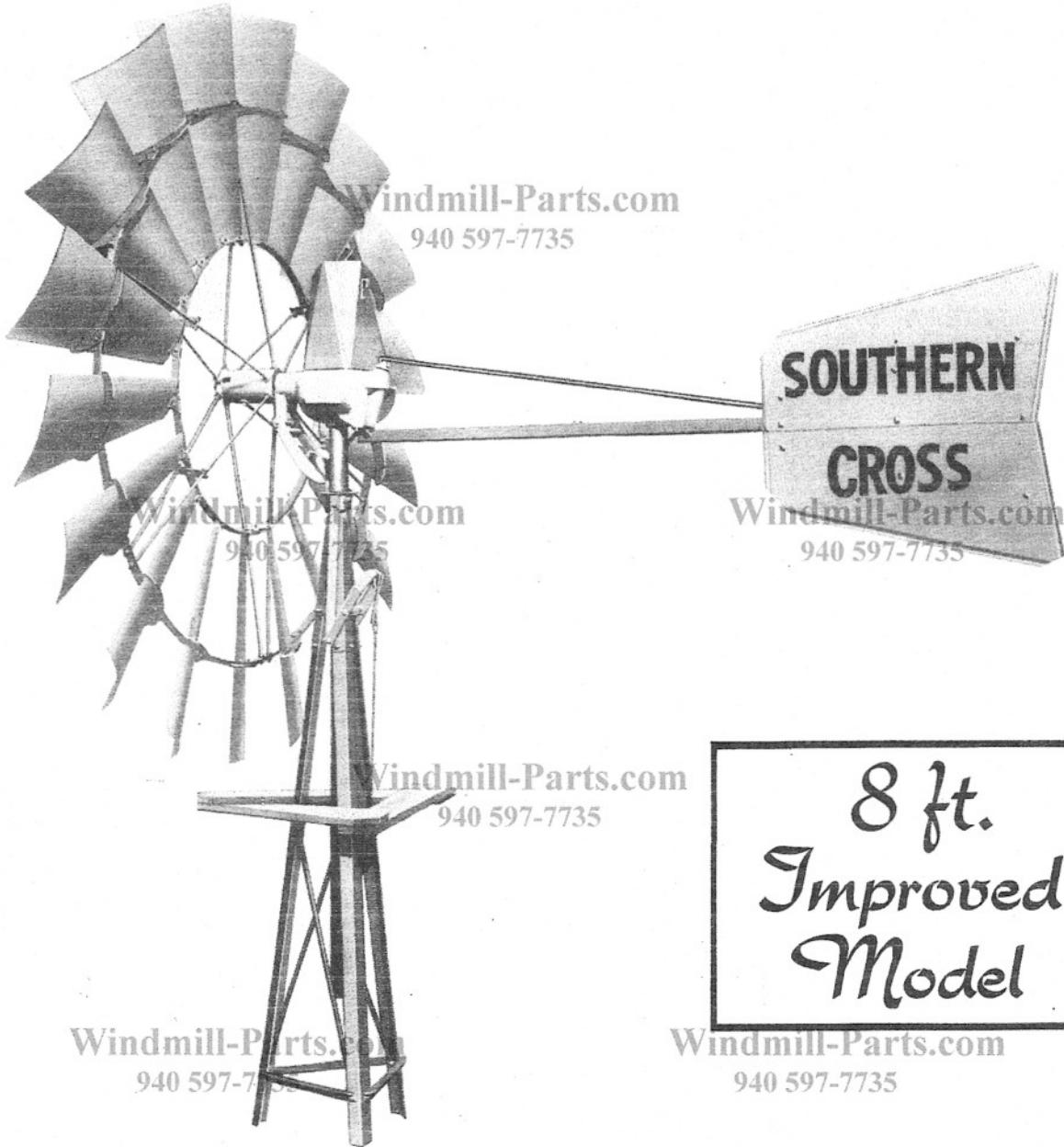


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8 ft.
Improved
Model

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'Z' PATTERN WINDMILLS

SOUTHERN CROSS

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SOUTHERN CROSS "Z" PATTERN DOUBLE GEARED WINDMILLS have become the foremost Geared Windmills on the market

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After extensive research and exhaustive field tests the Southern Cross Factories have now started on production of the Improved Model 8ft. "Z" Pattern Windmill.

These Improved "Z" Pattern Windmills, in addition to retaining features such as:

Completely Enclosed, Dust and Weather-proof

Automatic Oiling

Double Balanced Gears

Strong Tension Arm Windwheel with Spring Steel Fans

Southern Cross Gravity System of Governing

which have made SOUTHERN CROSS "Z" Pattern Windmills the first choice of landowners everywhere, now have the following additional

The SOUTHERN CROSS Organisation, since with its policy of offering the quality products at the lowest possible price, always seeking to improve its products.

The SOUTHERN CROSS Organisation has applied knowledge gained from eight years experience of windmill manufacture to produce a windmill of excellent value and quality.

To do this The SOUTHERN CROSS Factories are equipped with the best possible machinery which, used in conjunction with accurate tools, produces a very high quality mill parts. These parts are carefully selected to produce a strong, easy running windmill.

REPLACEABLE BEARINGS The main shaft bearings are now replaceable and the gearboxes are also now fitted with a replaceable bearing for the gearwheels, which allows both gearwheels and bearing to be assembled outside the gearbox and then placed in position.

PINION LOCKING SCREWS Each pinion is now held on to the main shaft by two hollow locking screws at right angles to each other, and which tighten on to flats on the main shaft.

EASILY ASSEMBLED WINDWHEELS The wheel hub is now a streamlined casting of lighter weight but greater strength into which the wheel arms, which are now straight, screw direct, enabling greater ease in assembly and ensuring a true running wheel.

GREATER PUMPING CAPACITY Consequent on the improvements in the design of the mill engine as well as the windwheel, the windmill starts easier, runs slightly faster and will lift a heavier load.

EASIER REEFING The whole of the reefing arrangement, which is outside of the tower, has been re-designed, and makes the reefing of the mill a very simple and easy operation.

Pumping Capacities

The right combination of Windmill and Pump is always that which will allow the Mill to work easily in light winds.

The pumping table set out below shows the average daily supply which can be expected up to the heads given, in most districts in Australia, provided that the Windmill is erected on a sufficiently high Tower in a good open site where the wind can reach the windwheel freely.

There are, however, some districts in which the wind is not so strong and, in these, customers should specify a larger size of Windmill and, in districts where the wind does not blow for so many hours per day as the average, customers should specify a larger size of Windmill and Pump than would normally be used.

With a Windmill Plant it is the regular daily supply that is important, and greater satisfaction will always be got from a lightly-loaded Windmill.

Diameter of Pump Cylinder—	940 597-7735												
	1 3/4 in.	2 in.	2 1/4 in.	2 1/2 in.	2 3/4 in.	3 in.	3 1/4 in.	3 1/2 in.	4 in.	4 1/4 in.	4 1/2 in.	5 in.	6 in.
Total Head in feet—	132	109	92	77	66	57	50	44	34	31	28	23	16
Average Gals. per day—	875	1,145	1,450	1,790	2,165	2,575	3,025	3,505	4,580	5,170	5,795	7,155	10,305

Warranty

THE COMPANY AGREES with the original purchaser of each Southern Cross Windmill that, at any time within **three years** from the date of despatch of such Windmill, the Company will supply new part or parts without charge at the original point of delivery to replace any part or parts which, on return freight prepaid, prove to the satisfaction of the Company to be defective in material or workmanship.

The Company makes no reservations regarding storms or tempests, providing the Tower anchorages hold; the Windmill is built to withstand these.

Under no conditions will the Company accept responsibility or make any allowance for any consequential damages or any other expense whatsoever.

THE SOUTHERN CROSS ORGANISATION

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PTY. LTD.
Box 109, P.O., Toowoomba

CHARLEVILLE (Q'ld.)
TOOWOOMBA FOUNDRY SALES
PTY. LTD.
Box 115, P.O., Charleville

ROCKHAMPTON (Q'ld.)
SOUTHERN CROSS EQUIPMENT
PTY. LTD.
Box 393, P.O., Rockhampton

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SOUTHERN CROSS MACHINERY
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Box 304, P.O., Townsville

SYDNEY (N.S.W.)
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22 Young Street, Sydney

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