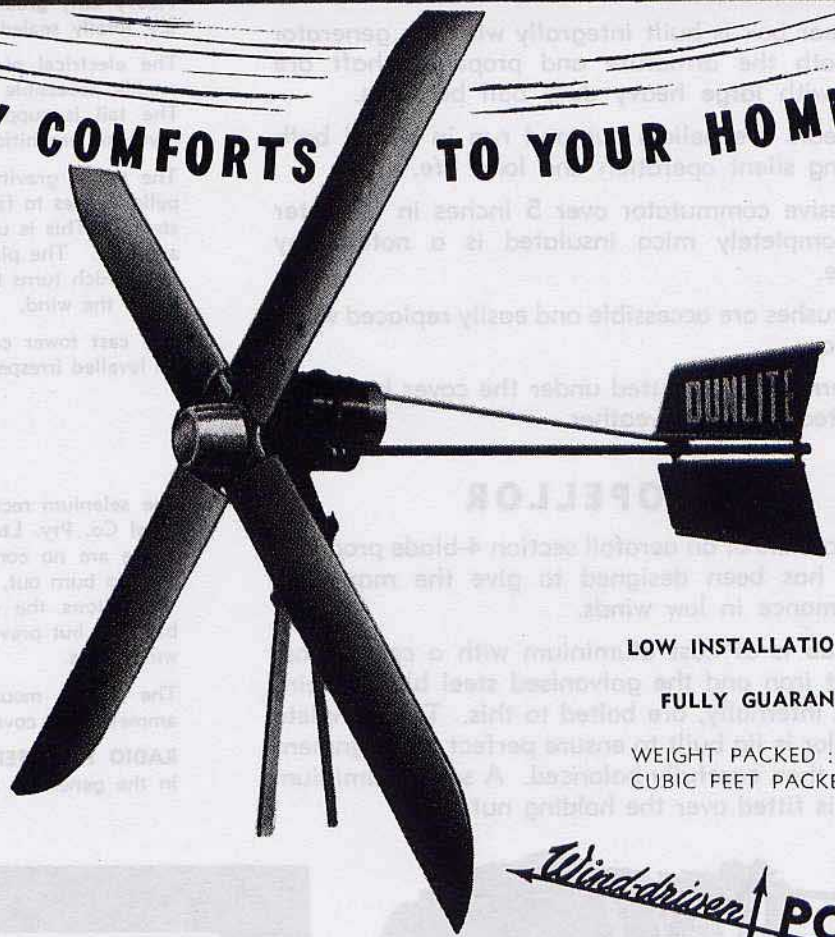
FREE! ELECTRICITY FOR YOUR FARM

DUNLITE *Wind-driven* POWER PLANTS

BRING CITY COMFORTS TO YOUR HOME



32 VOLT

750 WATT

GEARED LIGHTING PLANT

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POWERFUL

and

DEPENDABLE

LOW INSTALLATION COST

FULLY GUARANTEED

WEIGHT PACKED : 3 CWT.
CUBIC FEET PACKED : 12½

Wind-driven POWER PLANTS

MAKERS OF 32 VOLT POWER PLANTS FOR OVER 30 YEARS

If you already have an engine-driven generating set you can connect the Dunlite wind-driven plant to your existing batteries without any alteration to your existing plant. The Dunlite will soon pay for itself in fuel saving, engine maintenance, and time saved. Your existing plant can remain connected as an auxiliary plant. Thousands of engine plant owners have already added Dunlite wind plants to their old installations.

MANUFACTURED BY
DUNLITE ELECTRICAL CO. PTY. LTD., 21-27 FROME STREET, ADELAIDE, SOUTH AUSTRALIA

SPECIFICATIONS

GENERATOR

32 volts, 750 watts capacity

TOTALLY ENCLOSED DUST AND WATERPROOF

This heavy duty generator has been designed especially for slow speed operation to give long life with a minimum of maintenance.

The gear box is built integrally with the generator and both the armature and propellor shaft are fitted with large heavy duty ball bearings.

The gears are helical cut and run in an oil bath ensuring silent operation and long life.

A massive commutator over 5 inches in diameter and completely mica insulated is a noteworthy feature.

The brushes are accessible and easily replaced when necessary.

The terminals are fitted under the cover band and protected from the weather.

PROPELLOR

This consists of an aerofoil section 4-blade propellor which has been designed to give the maximum performance in low winds.

The hub is of cast aluminium with a centre boss of cast iron and the galvanised steel blades, reinforced internally, are bolted to this. The complete propellor is jig built to ensure perfect tip alignment and is then carefully balanced. A spun aluminium cover is fitted over the holding nut.

HEAD ASSEMBLY

The same rugged construction as is used with the generator applies to the head assembly. The generator sits in a heavy cast cradle and is held in position by a large U-bolt. Set screws in the generator body engage in slots in the cradle casting to prevent any possibility of generator moving.

Heavy duty grease-packed ball bearings carry this casting and are totally sealed from dust and weather.

The electrical pick-up brush and collector ring assembly are readily accessible and are weather shrouded for protection. The tail is supported on ribbed malleable steel casting and pivots on graphitic self-lubricating bearings.

The tail is gravity controlled (no springs) and allows the propellor blades to face away when the wind pressure becomes too strong. This is used to control the charging rate and is easily adjusted. The plant is stopped from ground level by a control wire which turns the head assembly so that the blades are edge on to the wind.

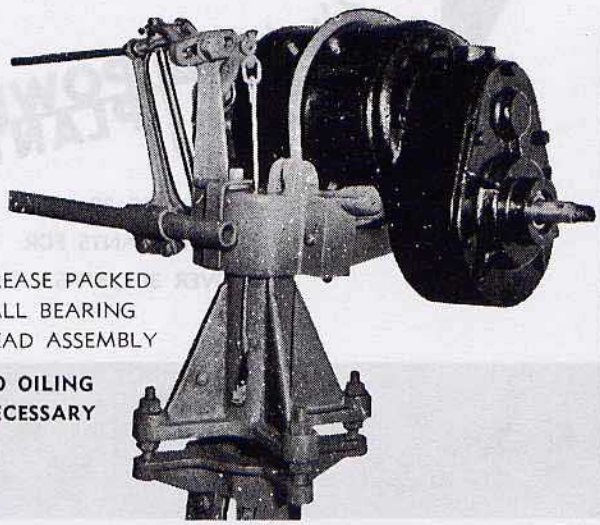
The cast tower cap supplied allows for the head assembly to be levelled irrespective of the tower.

RELAY

The selenium rectifier relay as pioneered by the Dunlite Electrical Co. Pty. Ltd. is the perfect unit for wind-driven plants. There are no contacts to burn or get out of adjustment, no coils to burn out, and it is not affected by vibration in transit. This allows the current to flow from the generator to the batteries but prevents any discharge to the generator when the wind drops.

The unit is mounted on a cast panel and is complete with ammeter and covered terminal strip.

RADIO INTERFERENCE SUPPRESSION CONDENSER is fitted in the generator to eliminate noise in your radio.



GREASE PACKED
BALL BEARING
HEAD ASSEMBLY

NO OILING NECESSARY