

HURRICANE ENGINES

Hurricane Manufacturing Company PTY LTD

All information Supplied by Andrew W

ADDRESS

- 1/ 86-88 PRINCESS HWY SYLVANIA NEW SOUTH WALES
PHONE NO LJ 7403,LJ 7646
- 2/ 781 PRINCESS HWY SYLVANIA N.S.W
PHONE NO LJ 7403
44 CRAMMOND BOULEVARDE CARINGBAH N.S.W
PHONE NO LB 7739
- 3/ 5-15 HENDERSON ST TURRELA N.S.W
PHONE NO 59-0531
SUBSIDIARY OF A.C.L.

ENGINE RANGE

125 AND 125A
125CC 2 STROKE ENGINE 2 1/8" BORE X 2 1/8" STROKE
WICO FLYWHEEL MAGNETO
AMAL CARBURETTER

MODEL 125 HAS A COMBINED HEAD AND CYLINDER BLOCK IN CAST IRON
MODEL 125A HAS A DETACHABLE ALUMINIUM HEAD.

180 AND 185
160 CC 2 STROKE ENGINE 2 3/8" BORE X 2 1/8" STROKE
WICO FLYWHEEL MAGNETO
AMAL CARBURETTER

MODEL 180 HAS A COMBINED HEAD AND CYLINDER BLOCK IN CAST IRON

MODEL 185 HAS A COMBINED HEAD AND CYLINDER BLOCK IN ALUMINIUM WITH A LINER

HURRICANE ALSO MANUFACTURED MOWERS USING BOTH MOTORS, ALONG WITH KIRBY LAUSON (LV30 ?) AND KIRBY GEB 4 STROKE ENGINES


THE HAND BOOK I HAVE SHOWS A REAR DISCHARGE MOWER WITH A

CATCHER OR WIND ROWER

THEY ALSO MADE OUTBOARDS USING ALL MODELS OF ENGINES

OTHER USERS OF THE HURRICANE ENGINES WERE AS FOLLOWS


- 1/ AMPLION
MOWERS WITH THE 125 AND 160 CC ENGINES
MINE HAS THE 125CC ENGINE
- 2/ COLDA
ROTARY MOWERS WITH THE 125 CC ENGINE
- 3/ COLLECT-O-MATIC
MOWERS
18" ROTARY 125 ENGINES GINE
MODEL 180 WITH THE 185 ENGINE
- 4/ CROWE
MOWERS
15", 18" ROTARY MOWERS WITH 125 CC ENGINES
- 5/ MOFAST
MOWERS
18" STD AND DELUXE WITH 125 CC ENGINES
20" STD AND DELUXE WITH 180/185 ENGINES
OUTBOARDS SOLD AS WATERBOYS
3 HP 125 CC ENGINES
5 HP 180 ENGINES
6 HP THIS SHOWS AS AN ENGINE WITH THE DIMENSIONS
OF THE 180/185 BUT WITH A DETACHABLE HEAD
AND THE REVOLUTIONS INCREASED FROM 4300 TO
5500 RPM
- 6/ PRECISION
18" ROTOMOW MOWER WITH THE 125 CC ENGINES
- 7/ PYE
18" STANDARD MODEL MAQ A 18H WITH THE 125 CC ENGINES
- 8/ TECHNICO
ROTACUT MOWER WITH THE 125CC ENGINES
- 9/ CHAMP CHAINSAW UNIVERSAL WITH 185 ENGINE
- 10/VERSATILLER HOE
MODEL 125 ENGINE
- 11/PACE
ROTARY MOWER WITH MODEL 125A ENGINE


**HURRICANE
ENGINES**
MODELS 125 AND 125A

WARNING:

Do not run engine at any time without addition of correct amount of oil to the petrol, i.e., **ONE-HALF** pint of **CASTROL XXI OIL** to **ONE** Gallon of Standard Petrol.

Hurricane Manufacturing Co. Pty. Ltd.
 86-88 PRINCES HIGHWAY, SYLVANIA • LJ7403, LJ7466
 NEW SOUTH WALES



HURRICANE
ENGINES


**MODELS 125
AND 125A**

WARNING:

Do not run engine at any time without addition of correct amount of oil and petrol, i.e., **ONE-HALF** pint of **CASTROL XXI OIL** to **ONE** Gallon of Standard Petrol.

Hurricane Manufacturing Co. Pty. Ltd.
86-88 PRINCES HIGHWAY, SYLVANIA, NEW SOUTH WALES
LJ7403, LJ7466

\$3

HURRICANE


WARNING:

Do not run engine at any time without addition of correct amount of oil to the petrol, i.e., **ONE-HALF** pint **MOBIL OIL A** to **ONE** gallon of **MOBIL GAS**.

Our modern factory is equipped for maintenance and repairs to all classes of two-stroke engines. For service ring LB 7739.

Hurricane Manufacturing Co. Pty. Ltd.
 781 PRINCES HIGHWAY, SYLVANIA • LJ 7483
 44 CREAMOND BOULEVARD, CARINGBAH • LB 7739

SERVICE MANUAL
OPERATING INSTRUCTIONS
SPARE PARTS LIST
WARRANTY CARD

for your
HURRICANE
SILENT 3
LAWNMOWER
TYPE 43743

WARNING:

Read this and all other instructions carefully before using.

Printed by
HURRICANE MANUFACTURING CO. PTY. LTD.
86-88 PRINCES ST., SYLVANIA, N.S.W.
A Division of Hurricane Engineering Ltd.
 100-1001 - 10000 - 10000 - 10000
 44 SOUTH COAST FREEWAY, CARINGBAH

HURRICANE — SUREFIRE 125 and 125a Models

MODEL 125 HAS AN INTEGRAL CYLINDER HEAD, WHILST
MODEL 125a HAS A DETACHABLE CYLINDER HEAD.

Specification.—Two stroke, air cooled.
Bore: 2.125". **Stroke:** 2.125".

Total Cubic Capacity.—150 c.c. **Swept Volume:** 124 c.c.

Rotation.—Anti-clockwise looking at driving shaft.

Ignition.—Wico, Flywheel type with integral fan. Timing 5/32" before top centre.

Carburettor.—Amal, with Bowden control, cold starting device and air filter.

Lubrication.—Petrol mixture. One half pint of Castrol XXL oil to one gallon petrol.

Spark Plug.—Bosch W95T2.

Cylinder.—Close grained cast iron with deep cooling fins. Patented ports machined to close limits. Honed finish in bore. Supplied with either integral head or for detachable head.

Cylinder Head.—Detachable. Aluminium alloy with deep cooling fins. Four holding bolts.

Piston.—Low expansion alloy. Dome top type with floating gudgeon pin secured by circlips. Two piston rings.

Crankshaft Assembly.—Balanced flywheels. Keyed for flywheel magneto. Forged steel con-rod with steel rollers in big end. Hardened crankpin.

Crankcase.—Aluminium alloy two halves. Six holding bolts.

Crankcase Bearings.—Two ballraces on driving shaft. One ballrace on magneto shaft.

Oil Seals.—Spring-loaded moulded rubber type.

Starter Pulley.—Aluminium alloy. Large diameter for easy starting.

Muffler.—Steel pressing. Large diameter for efficient silencing without back pressure.

Cooling.—Flywheel fan.

HURRICANE — SUREFIRE 125 cc. Engine

Specification.—Two stroke, air cooled.
Bore: 2.125". **Stroke:** 2.125".

Cubic Capacity.—125 cc.

Rotation.—Anti-clockwise looking at driving shaft.

Ignition.—Wico, Flywheel type with integral fan. Timing 5/32" before top centre.

Carburettor.—Amal, with Bowden control and cold starting device and air filter.

Lubrication.—Petrol mixture. One-half pint of oil to one gallon petrol.

Spark Plug.—KLG FE50 .025."

Cylinder Head.—Detachable. Aluminium alloy with deep cooling fins. Four holding bolts.

Cylinder.—Close grained cast iron with deep cooling fins. Ports machined to close limits. Honed finish in bore.

Piston.—Low expansion alloy. Dome top type with floating gudgeon pin secured by circlips. Two piston rings.

Crankshaft Assembly.—Balanced flywheels. Keyed for flywheel magneto. 1/2" B.S.F. thread on drive end. Hardened crankpin.

Crankcase.—Aluminium alloy two halves. Six holding bolts.

Crankcase Bearings.—Two ballraces on driving shaft. One ballrace on magneto shaft.

Oil Seals.—Spring-loaded moulded rubber type.

Starter Pulley.—Aluminium alloy. Large diameter for easy starting.

Muffler.—Steel pressing. Large diameter for efficient silencing without back pressure.

Cooling.—Flywheel fan.

HURRICANE - SUREFIRE

125 and 125a Models

MODEL 125 HAS AN INTEGRAL CYLINDER HEAD, WHILST
MODEL 125a HAS A DETACHABLE CYLINDER HEAD

Specification.—Two stroke, air cooled.
Bore: 2.125". **Stroke:** 2.125".

Total Cubic Capacity.—150 c.c. **Swept Volume:** 124 c.c.

Rotation.—Anti-clockwise looking at driving shaft.

Ignition.—Wico, Flywheel type with integral fan. Timing 5/32" before top centre.

Carburettor.—Amal, with Bowden control and air filter.

Lubrication.—Petrol mixture. One-half pint of Castrol XL S.A.E. 30 oil to one gallon petrol.

Spark Plug.—Bosch W95T2.

Cylinder.—Close grained cast iron with deep cooling fins. Patented ports machined to close limits. Honed finish in bore. Supplied with either integral head or for detachable head.

Cylinder Head.—Detachable on Model 125a. Aluminium alloy with deep cooling fins. Four holding bolts.

Piston.—Low expansion alloy. Dome top type with floating gudgeon pin secured by circlips. Two piston rings.

Crankshaft Assembly.—Balanced flywheels. Keyed for flywheel magneto. Forged steel con-rod with steel rollers in big end. Hardened crankpin.

Crankcase.—Aluminium alloy, two halves. Six holding bolts.

Crankcase Bearing.—Two ballraces on driving shaft. One ballrace on magneto shaft.

Oil Seals.—Spring loaded moulded rubber type.

Starter Pulley.—Aluminium alloy. Large diameter for easy starting.

Muffler.—Steel pressing. Large diameter for efficient silencing without back pressure.

Cooling.—Flywheel fan.

HURRICANE - SUREFIRE POWERMASTER ENGINES

Model 180

Specification.—Two stroke, air cooled.
Bore: 2.375". **Stroke:** 2.125".

Total Cubic Capacity: 185 c.c. **Swept Volume:** 152 c.c.

Rotation.—Anti-clockwise looking at driving shaft.

Ignition.—Wico, Flywheel type with integral fan. Timing 5/32" before top centre.

Carburettor.—Amal, with Bowden control and air filter.

Lubrication.—Petrol mixture. One-half pint of Castrol XL oil to one gallon petrol.

Spark Plug.—Champion NG1, Gap .025"

Cylinder.—Close grained cast iron with integral head and deep cooling fins. Patented ports machined to close limits. Honed finish in bore.

Piston.—Low expansion alloy. Dome top type with floating gudgeon pin secured by circlips. Two piston rings.

Crankshaft Assembly.—Balanced flywheels. Keyed for flywheel magneto. Forged steel con-rod with steel rollers in big end. Hardened crankpin.

Crankcase.—Aluminium alloy, two halves. Six holding bolts.

Crankcase Bearings.—Two ballraces on driving shaft. One ballrace on magneto shaft.

Oil Seals.—Spring-loaded moulded rubber type.

Starter Pulley.—Aluminium alloy. Large diameter for easy starting.

Muffler.—Steel pressing. Large diameter for efficient silencing without back pressure.

Cooling.—Flywheel fan.