

Clinton

CLINTON ENGINES CORPORATION

**SERIES
400
ALUMINUM
3 HP**

Model	Starter	PTO Shaft	Net Wt.
400-0105	E-Z Pull Recoil	Bronze Bearing	24 lbs.
400-0305	E-Z Pull Recoil	Ball Thrust Bearing	24 lbs.
400-0165	E-Z Pull Recoil	6 to 1 Speed Reducer	30 lbs.

GENERAL SPECIFICATIONS

Bore: 2½ inches.

Stroke: 1½ inches.

Piston Displacement: 7.2 cubic inches.

Type: Single cylinder, L-Head, air-cooled, 4-cycle.

Air Cooling: Large capacity curved vane blower cast integral with flywheel. Air passes through deep fins to maintain correct operating temperature. Rotating blower screen.

Ignition: Very high voltage at low speed. Built-in flywheel magneto for faster starting. Moisture and dust proof with fully enclosed ignition points.

Spark Plug: 14 mm.

Lubrication: Splash type — oil capacity 1¼ pints. Oil drainage permitted from either side of base.

Carburetor: Full float feed with idle and high power mixture adjustment.

Fuel Tank: One-quart capacity, with gasoline strainer.

Air Cleaner: Washable high efficiency oiled non-spill MICRO-SEAL® element.

Governor: Adjustable pneumatic type.

Governor Control: Adjustable, combined with choke. Provision for mounting remote control cable.

Cylinder and Crankcase: Die-cast aluminum alloy with large amount of cooling area. A close-grained iron cylinder sleeve is cast in block.

Crankcase Breather: Maintains a vacuum in crankcase and prevents oil leaks.

Cylinder Head: Aluminum alloy, with extra deep cooling fins. Removable.

Main Bearings: Models 400-0105 and 400-0165 have replaceable bronze sleeve bearings at power take-off and flywheel ends. Model 400-0305 has ball thrust bearing on power take-off end. Bronze bearing on flywheel end, all models.

Crankshaft: High strength ductile iron.

Counterweights and cam drive gear integral with shaft.

Connecting Rod: I-Beam, aluminum alloy with extra large bearings.

Piston: Aluminum alloy. Clinton-engineered for efficient combustion.

Piston Rings: Two compression and one oil control. Treated surfaces.

Valves: Forged steel. Exhaust valve provided with heat-resistant alloy head.

Valve Seats: Alloy inserts.

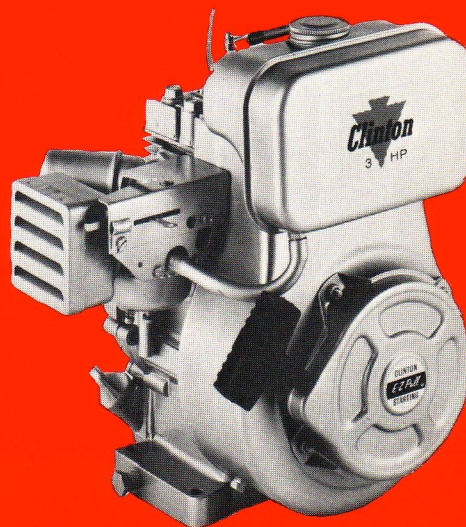
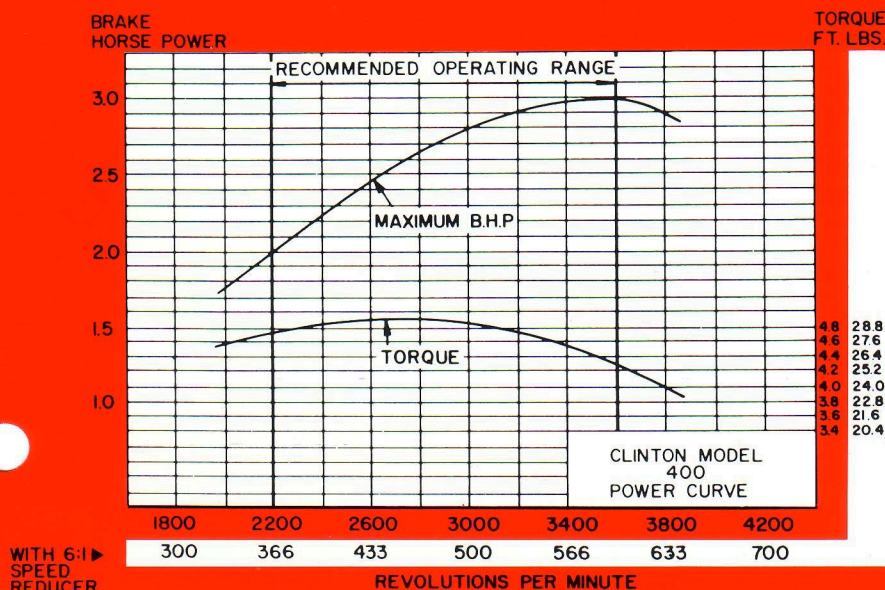
Valve Tappets: Hardened and ground.

Muffler: Efficient, low back-pressure type.

Direction of Rotation: Counterclockwise, viewed from power take-off side.

Gear Reduction: Model 400-0165 only has internal reduction gear, 6 to 1 ratio. Rotation, counterclockwise.

Finish: Painted in red heat-resistant enamel. Prime coat finish if specified.

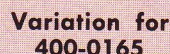
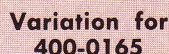


400-0105
400-0305
400-0165

ACCESSORY MOUNTING BOSS
AVAILABLE ON SPECIAL ORDER



Crankshaft Variations
400-0305



Allow at least 20% of horsepower for safety factor under continuous operation. Clinton Engines Corporation will supply detailed prints upon request. Specifications and Dimensions are subject to change without notice.



Form No. OEM-1120 • Straus P. Co. March 1968 • Printed in U.S.A.