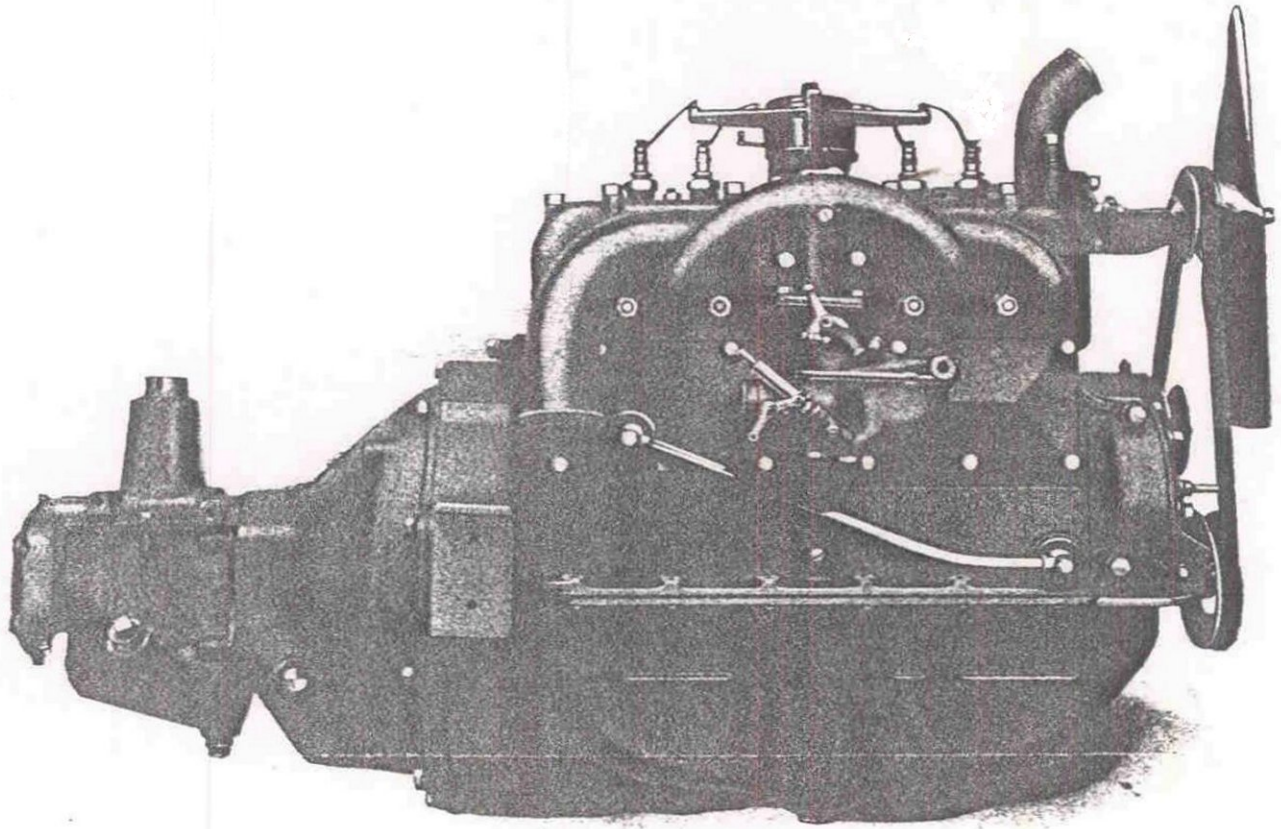


# *Ford* INDUSTRIAL *Engine*



Price Complete with Clutch and Transmission \$180. Less Clutch and Transmission \$135  
Equipped with Model "AA" Truck 4-Speed Transmission \$190  
(SPECIAL WHOLESALE PRICES TO MANUFACTURERS)

## A Precision built engine

*for*

INDUSTRIAL  
AGRICULTURAL

OR

MARINE PURPOSES

# The Ford Model "A" Industrial Engine

A light, powerful engine, designed to meet many of the power plant requirements of agricultural, industrial and marine equipment manufacturers.

The industrial engine develops 39 brake H. P. at 2200 R. P. M.—it is exceptionally economical on gasoline and oil, and it embodies all of the mechanical features of the Model "A" engine—the engine used in more than 2,500,000 Model "A" cars and trucks.

In fact, with the exception of a slight difference in the size of some of the parts, the industrial engine is a duplicate of the Model "A" power plant.

Complete service on industrial engines can be obtained from any of the 8,300 Authorized Ford Dealers located throughout the country.

## Specifications of the Industrial Engine

### TYPE

4 cyl. vertical-L-head

### SIZE

37 $\frac{1}{8}$ " Bore  
41 $\frac{1}{4}$ " Stroke

### DISPLACEMENT

Piston—200.5 cu. in.  
Compression 76 lb. ga.  
Compression ratio 4.22  
Firing order 1-2-4-3

### POWER

S.A.E. or N.A.C.C.—24.03  
Brake H.P. 23 at 1000 R. P. M.  
28 at 1200  
32 at 1400  
39 at 2200

### TORQUE

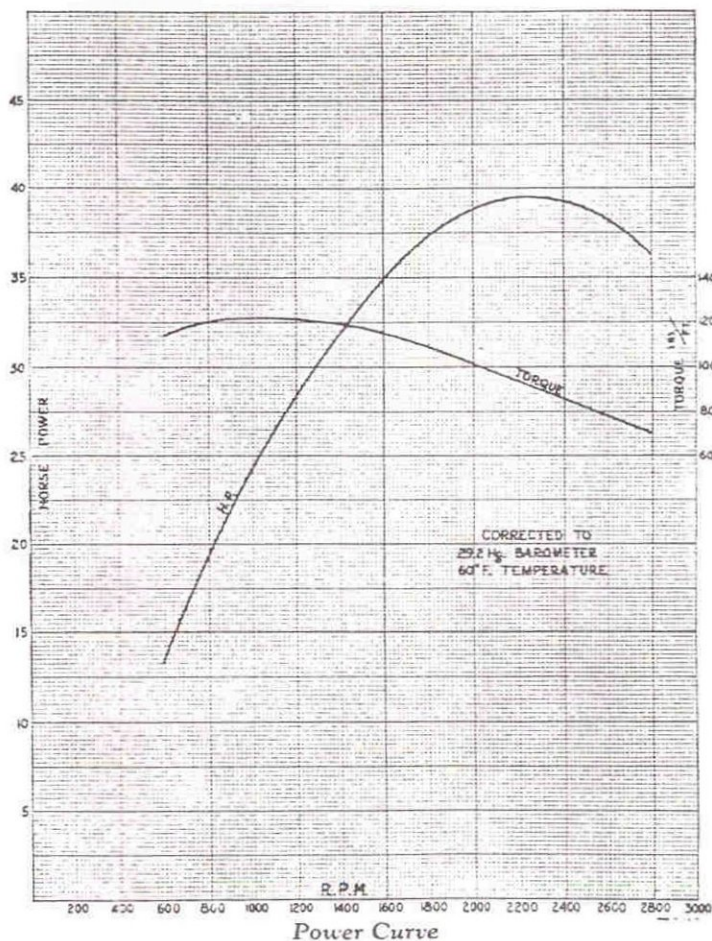
122 foot lbs. at 1000 R. P. M.

### CYLINDERS

4, cast en bloc

### CYLINDER HEAD

Demountable









## CAMSHAFT

3 bearings— $1\frac{9}{16}$ " dia.

## TIMING GEARS

Large gear, bakelized material. Small gear, steel. Spiral teeth.

## GEAR COVER

Carries front motor mounting support.

## VALVES

On right side of motor, vertical, 1 intake, 1 exhaust per cylinder. Material—carbon chrome nickel alloy. Lift .287, opening  $1\frac{3}{8}$ ", spring pressure 38 pounds.

## COOLING SYSTEM

Centrifugal water pump—3 blade—located at top of cylinder head driven by fan belt; upper hose dia. 2", length  $6\frac{1}{4}$ ", lower hose dia.  $1\frac{3}{4}$ ", length  $2\frac{3}{4}$ ".

## FAN ASSEMBLY

2 blade, airplane propeller type. Dia. 18", driven by V-shape belt  $\frac{5}{8}$ " wide. Speed  $1\frac{1}{2}$  to 1 of engine.

## LUBRICATION

Pump, splash and gravity feed. Gravity feed to main bearings. Splash to connecting rods. Splash and gravity to camshaft bearings. Splash to wrist pins—Gear type oil pump—Crankcase capacity 5 quarts—Oil level gage bayonet type.

## IGNITION

Battery, coil and distributor—spark plugs  $\frac{7}{8}$ " straight thread No. 3 Champion. Type—high tension. Jump spark—breaker gap .015 to .020 of an inch. Distributor mounted on top of cylinder head.

## CARBURETOR

Ford Zenith—size 1".

## GENERATOR

2 pole type, located left front side of motor. Rotation—counter clockwise. Current regulation 3rd brush—charging rate 11 amperes 7.7 volts at 1500 R. P. M. Operated by fan belt  $1\frac{1}{2}$  times engine speed. Oil hole over each bearing. Cutout mounted on top of generator.

## CONSTRUCTION

Unit power plant—rear supports integral with flywheel housing, two holes each side tapped for  $\frac{1}{2}$ —13 screw. Front support bosses cast integral with gear case cover, tapped with  $\frac{1}{2}$  x 13 screw holes. Width between machined surfaces of flywheel housing 17".

## GENERAL INFORMATION

Model "A" Industrial engines are designated as follows:

A-6002 Engine complete with clutch and transmission.

AA-6002 Engine complete with heavy duty (truck) clutch and 4-speed transmission.

A-6007 Engine, less clutch and transmission. The following parts are included with each of the engine assemblies mentioned above:

1—A-8250 Cyl. head outlet connection

1—A-8275 Cyl. inlet connection

1—A-8600 Fan assembly

1—A-9510-B Carburetor

1—A-12100 Distributor

4—A-12405 Spark plugs

4—A-12275 Spark plug connectors

## SHIPPING DATA

Net weight A-6002 Engine 463 Lbs.

Net weight AA-6002 Engine 516 Lbs.

Net weight A-6007 Engine 377 Lbs.

Gross weight, crated for shipment A-6002 Engine 599 Lbs.

Gross weight, crated for shipment AA-6002 Engine 652 Lbs.

Gross weight, crated for shipment A-6007 Engine 479 Lbs.

## ON DISPLAY AT BRANCHES

Orders for the industrial engine may be placed with any Authorized Ford Dealer or ordered direct from any Ford Motor Company Branch.

The industrial engine is on display at all Ford Motor Company Branches. Branches are located in the following cities:

Atlanta	Fargo	Oklahoma City
Buffalo	Houston	Omaha
Charlotte, N. C.	Indianapolis	Pittsburgh
Chester, Pa.	Jacksonville	Portland, Ore.
Chicago	Kansas City, Mo.	St. Louis
Cincinnati	Los Angeles	St. Paul
Cleveland	Louisville	Salt Lake City
Columbus	Memphis	San Francisco
Dallas	Milwaukee	Seattle
Dearborn, Mich.	New Orleans	Somerville, Mass.
Denver	New York	Washington
Des Moines	Norfolk	