

1932 Essex Super-Six Technical Information

License Data

CAR SERIAL NUMBER (On plate on dash under hood) - 1281685 and up
ENGINE SERIAL NUMBER Stamped on left side of cylinder block opposite cylinder No. 3
CYLINDER BORE - 2-¹⁵/₁₆"
PISTON STROKE - 4³/₄"
NUMBER OF CYLINDERS 6
N. A. C. C. HORSEPOWER RATING - 20.7
PISTON DISPLACEMENT - 193

Body Types

| | |
|-------------------|-------------------|
| STANDARD SEDAN | SPECIAL SEDAN |
| COACH | SPECIAL COUPE |
| RUMBLE COUPE | PHAETON |
| 2-PASSENGER COUPE | CONVERTIBLE COUPE |
| TOWN SEDAN | |

Technical Information

Engine

| | |
|--|---|
| TYPE - 6 cylinders | CAMSHAFT DRIVE -Adjustable Silent Chain |
| ACTUAL DEVELOPED H. P. - 70 at 3200 R. P. M. | CONNECTING ROD LOWER BEARING |
| COMPRESSION RATIO - 5.5 to 1 | CLEARANCE -- .001"-.0015"; Side Clearance, |
| FIRING ORDER - 1-5-3-6-2--4 | .006"-.010" |
| NUMBER MAIN BEARINGS -3 | PISTON MATERIAL --Silicon Aluminum Alloy |
| TYPE OF CRANKSHAFT-Fully Compensated; Statically and Dynamically Balanced | PISTON TYPE - T Slot Cam Ground |
| MAIN BEARING CLEARANCE - .001"- .0015" | PISTON WEIGHT - 9¼ Ounces |
| MAIN BEARING END PLAY - .006"-.012" | SKIRT CLEARANCE --Top, .0015"-.002" |
| VALVE MATERIAL - Silicon Chrome Alloy Steel | SKIRT CLEARANCE --Bottom, .0005"-.001" |
| VALVE HEAD DIAMETER - Intake, .003"-.005"; Exhaust, .005"-.007" | NUMBER OF PISTON RINGS - Compression, 2; Oil Control, 2 |
| VALVE TAPPET CLEARANCE - Intake, .003"-.005"; Exhaust, .005"-.007" Measure with engine hot | PISTON RING GAP -.009"-.011" LUBRICATION -Duoflo Automatic System Oil Pump Type - Oscillating Plunger |

Cooling System

TYPE - Thermosiphon
RADIATOR TYPE - Copper Ribbon Cellular

COOLING SYSTEM CAPACITY - 4-5/8 gals.
FAN BELT - V Type

Fuel System

CARBURETOR - 1¼" Marvel Air
Valve Type
AIR CLEANER - Flame Arrester
Silencer Type

FUEL FEED - Vacuum System with Vacuum Booster
GASOLINE TANK CAPACITY - 12 gals.

Starting and Ignition

SPARK CONTROL - Full Automatic
TIMING - Dead Center
FIRING ORDER 1-5-3-6-2-4
DISTRIBUTOR POINT GAP - .020"
STARK PLUG MAKE - A. C.

SPARK PLUG TYPE - G-8 Metric
SPARK PLUG GAP - .022"
GENERATOR REGULATION - Third Brush
GENERATOR NORMAL CHARGING RATE -
Cold, 17 amps; Hot, 13 amps.

Lamp Bulb Specifications

| | C.P. | Base | Voltage | | C.P. | Base | Voltage |
|------|-------|------|---------|-------------|------|------|---------|
| Head | 32-32 | D.C. | 6-8 | Dash | 3 | S.C. | 6-8 |
| Side | 3 | S.C. | 6-8 | Stop & Tail | 2-21 | D.C. | 6-8 |

Clutch

TYPE - Oil Cushioned Single Plate with
Modulator Hub

CLUTCH PEDAL CLEARANCE AT FLOOR
BOARD - ¾"

Transmission

FEATURES - Full Range Selective
Silent Second, Syncro-Mesh with
Free Wheeling Automatic Retraction
Reverse

SPEEDS - 3 forward, 1 reverse

Rear Axle

Semi-floating Type with Hotchkiss Drive
One Piece Banjo Housing
One Piece Differential Carrier with Offset Pinion
for Equalized Bearing Loads

Four Pinion Differential
Heavy Duty Taper Roller Bearings
Throughout
Positive Oil Circulation to Pinion Bearings
Positive Oil Seal at Wheel and Pinion Shafts

Front Axle

TYPE - I-beam, Reverse Elliott with Inclined
Spindle Pins
SPINDLE PIN THRUST BEARING TYPE - Radial
Thrust Ball Bearing

TOE-IN - Zero to 1/8"
CASTER ANGLE - Zero to 1° backward
CAMBER - 1°
TIE ROD - Rubber Silenced Joints

Brakes

TYPE - 4 Wheel Cable Control
SIZE - 11" Diameter - Lining Width, 1-3/4";
Thickness, 5/32"

CLEARANCE BETWEEN LINING
AND DRUM - .008" at Anchor
Pin End; .014" at Adjusting Screw End

Steering Gear

TYPE - Variable Pitch Worm and Sector
GEAR REDUCTION - 15 to 1

STEERING COLUMN HEIGHT - Adjustable to
Five Positions

Tires

SIZE - 18 x 5.25
PRESSURE - Average Driving, 32 pounds, Front
and Rear

High-Speed Driving, 40 pounds, Front and Rear

Chassis Dimensions

WHEELBASE - 113"

OVERALL LENGTH (Inc. bumpers) - 177-1/2"

Keys are numbered to correspond to the lock. Since it is necessary to conceal the number on the lock for theft protection, the key number should be noted on your Identification Card or in some other accessible place. Keys can be supplied only by number. For your own protection in case of loss of keys, record the numbers.

