

1930 ESSEX Super Six

Technical Information & Specifications

License Data

Car Serial Number – On plate on dash under hood
Engine Serial Number – Stamped on left side of cylinder block opposite cylinder No. 3
Cylinder Bore – 2-3/4”
Number of Cylinders – 6
N.A.C.C. Horsepower Rating – 18.2
Piston Displacement – 160.38

Weights

Roadster	2550	Sun Sedan	2760
Phaeton (5-Pass.)	.2620	Standard Sedan	2805
Coupe (2-Pass.)	2660	Brougham	2850
Coupe (Rumble)	2700	Touring Sedan	2850
Coach	2730		

Technical Information

Engine

Type – 6 Cylinders
Actual Developed H.P. – 60 at 3600 RPM
Compression Ratio – 5.8 to 1
Firing Order – 1-5-3-6-2-4
Number Main Bearings – 3
Type of Crankshaft – Fully counterbalanced with Lanchester Torsional Vibration Damper
Main Bearing Clearance – .001”-.0015”
Main Bearing End Play – .006”-.012”
Valve Material-Silicon Steel
Valve Head Diameter – Intake, 1-3/8”; Exhaust, 1-3/8”
Valve Tappet Clearance – Intake, .003”-.005”; Exhaust, .005”-.007”
Camshaft Drive – Adjustable Silent Chain
Connecting Rod Lower Bearing Clearance – .001”-.0015”; Side Clearance, .006”-.010”
Piston Material – Aluminum Alloy
Piston Type – Tapered Slotted Skirt
Piston Weight – 8 ounces
Skirt Clearance – Top, .002”-.0025”; Bottom, .001”-.0015”
Number of Piston Rings – Compression, 2; Oil Control, 2
Piston Ring Gap – .007”-.009”
Lubrication – Double Flow Circulating Splash
Oil Pump Type – Oscillating Plunger

Cooling system

Radiator Type – Ribbon Cellular	Fan Belt – “V” Type
Cooling System Capacity – 4-3/4 gals.	Radiator Shutter – Vertical Manually Controlled

Fuel System

Carburetor – 1-1/4” Marvel Air Valve Type
Air Cleaner – A.C.

Fuel Feed – Stewart Vacuum System with Vacuum Booster
Gasoline Tank Capacity – 11-1/2 gals.

Starting and Ignition

Make – Auto-Lite
Spark Control – Full Automatic
Timing – Dead Center
Firing Order – 1-5-3-6-2-4
Distributor Point Gap – .020”
Generator Fuse Size – 5 amps

Spark Plug Type – G-10 Metric
Spark Plug Gap – .022”
Generator Regulation – Third Brush
Generator Normal Charging Rate
Spark Plug Make – A.C.
– Cold, 13.5 amps; Hot, 10 amps

Lamp Bulb Specifications

	C.P.	Base	Voltage		C.P.	Base	Voltage
Head	21-21	D.C.	6-8	Dash	3	S.C.	6-8
Side	3	S.C.	6-8	Stop	15	S.C.	6-8
Tail	3	S.C.	6-8	Dome	3	S.C.	6-8

Lighting Circuit Fuse-30 amps

Clutch

Type – Single plate, cork insert type, in oil

Clutch Pedal Clearance at Floor Board – 3/4”

Transmission

Type – Selective
Speeds – 3 forward, 1 reverse
Gear Ratio – Low, 3.244 to 1
– Second, 1.961 to 1
– High, 1 to 1
– Reverse, 4.170 to 1

Rear Axle

Type – Semi-floating
Gear Ratio – Roadster, Phaeton, Coupe – 5-1/10 to 1
– Coach, Standard Sedan, Sun Sedan, Brougham, Touring Sedan – 5-4/10 to 1

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”

Castor Angle – Zero to 1 degree backward
Camber – 1 degree

Brakes

Type – 4 wheel mechanical
Lining width – 1-1/2"; Thickness, 5/32"

Size – 11" diameter;
Clearance Between Lining and Drum – .010"

Steering Gear

Type – Variable Pitch Worm and Sector
Gear Reduction – 15 to 1

Steering Column Height – Adjustable
Tires – 19 x 5.00

Chassis and General Dimensions

Wheelbase – 113"
Turning Radius – 20'
Overall Length (including bumpers)-14-1/2"
Overall Width – 65"
Overall Height – Closed models, 71"
 – Open models, 69"

Floor to Headlining – closed models, 47"
 – Open models, 46"
Front Seat Width – Coupe and Roadster, 46-1/2"
 – Coach, sedans, Brougham, 42-1/2"
Rear Seat Width – Coupe, Roadster, 43-1/2"
 – All others 49"