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

<p>| | | | |</p>
<table>
<thead>
<tr>
<th></th>
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</tr>
</thead>
<tbody>
<tr>
<td>Roadster</td>
<td>2550</td>
<td>Sun Sedan</td>
<td>2760</td>
</tr>
<tr>
<td>Phaeton (5-Pass.)</td>
<td>.2620</td>
<td>Standard Sedan</td>
<td>2805</td>
</tr>
<tr>
<td>Coupe (2-Pass.)</td>
<td>2660</td>
<td>Brougham</td>
<td>2850</td>
</tr>
<tr>
<td>Coupe (Rumble)</td>
<td>2700</td>
<td>Touring Sedan</td>
<td>2850</td>
</tr>
<tr>
<td>Coach</td>
<td>2730</td>
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</tbody>
</table>

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
Cooling System Capacity – 4-3/4 gals.
Fan Belt – “V” Type
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

<table>
<thead>
<tr>
<th>C.P.</th>
<th>Base</th>
<th>Voltage</th>
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<th>Base</th>
<th>Voltage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Head</td>
<td>21-21</td>
<td>D.C.</td>
<td>6-8</td>
<td>Dash</td>
<td>3</td>
</tr>
<tr>
<td>Side</td>
<td>3</td>
<td>S.C.</td>
<td>6-8</td>
<td>Stop</td>
<td>15</td>
</tr>
<tr>
<td>Tail</td>
<td>3</td>
<td>S.C.</td>
<td>6-8</td>
<td>Dome</td>
<td>3</td>
</tr>
</tbody>
</table>

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”

Camera 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”