

Compare the new
Aero Willys

with any car
in any class



Aero-Ace

Aero-Wing

**42 COMPARISONS
THAT SHOW YOU WHY
AERO WILLYS IS THE BUY**



| | AERO WILLYS | PONTIAC 6 | CHEVROLET | NASH STATESMAN | FORD 8 | DE SOTO | PLYMOUTH CONCORD | STUDEBAKER CHAMP. REG. | |
|---|---|------------------------------------|----------------------------------|----------------------------------|----------------------------------|----------------------------------|----------------------------------|----------------------------------|--|
| BODY AND RELATED FEATURES | | | | | | | | | |
| FRONT SEATING WIDTH | 61" | 59 ¹⁵ / ₁₆ " | 60" | 60 ¹ / ₂ " | 57 ¹ / ₂ " | 57" | 54 ³ / ₄ " | 59 ¹ / ₄ " | |
| REAR SEATING WIDTH | 61" | 58 ¹ / ₂ " | 58 ³ / ₈ " | 52" | 60-5/16" | 58 ⁷ / ₈ " | 49" | 58 ¹ / ₄ " | |
| <i>What It Means:</i> | The Aero Willys is an amazingly roomy car! These figures show that none of the cars compared give you the seating room in both rear and front that you get in the Aero Willys. | | | | | | | | |
| HEADROOM—FRONT | 35 ¹ / ₂ " | 36" | 35 ³ / ₈ " | 36" | 36-3/16" | 36 ¹ / ₂ " | 35 ¹ / ₂ " | 36 ¹ / ₂ " | |
| HEADROOM—REAR (CUSHION TO ROOF) | 34 ¹ / ₂ " | 35 ³ / ₈ " | 35" | 35" | 35 ³ / ₈ " | 36" | 36 ¹ / ₂ " | 34 ¹ / ₂ " | |
| <i>What It Means:</i> | The Aero Willys gives you plenty of headroom for both front and rear seat passengers with inches to spare, as you can prove for yourself by sitting in it. | | | | | | | | |
| CURVED WINDSHIELD | Yes | Yes | Yes | Yes | No | No | No | Yes | |
| <i>What It Means:</i> | The modern curved safety-plate-glass windshield of the Aero Willys gives the driver panoramic visibility both to the sides and forward—a great factor for safety. | | | | | | | | |
| WIDTH OF WINDSHIELD | 57 ¹ / ₄ " | 55" | 55" | 52 ³ / ₄ " | 54 ³ / ₄ " | 58" | 55" | 48" | |
| <i>What It Means:</i> | The wide windshield, together with the exclusive sloping "plane-wing" hood of the Aero Willys, provides helicopter-pilot visibility. You see the road just 10 feet ahead of the car, as well as everything in front of you and to the sides. | | | | | | | | |
| WIDTH OF REAR WINDOW | 53 ¹ / ₄ " | 45" | 45 ¹ / ₄ " | 41 ¹ / ₄ " | 44 ¹ / ₂ " | 58" | 51" | 49 ¹ / ₂ " | |
| <i>What It Means:</i> | The wide rear window of the Willys Aero-Wing gives you safer, wide-range visibility of everything back of you, not only directly to the rear but far to the sides. The Willys Aero-Ace has a wrap-around rear window, measuring 70 inches in total width, adding to rear visibility as well as to its beauty. | | | | | | | | |
| ALL FOUR FENDERS VISIBLE TO DRIVER | Yes | No | No | No | No | No | No | No | |
| <i>What It Means:</i> | Here is one of the most important innovations in years for safer driving and easier parking! In the Aero Willys—and only in the Aero Willys—all four fenders are visible to you in your normal driving position, and you have a panoramic view in front, to the rear and on both sides. | | | | | | | | |
| GAS FILLER PIPE LOCATION | Center, rear | On Fender | On Fender | On Fender | On Fender | On Fender | On Fender | On Fender | |
| <i>What It Means:</i> | Another Willys exclusive! Near center location of gas-filler pipe makes it easy to reach from either side of the car. Lamp illuminating rear license plate also furnishes light for filling. | | | | | | | | |
| BAKED ENAMEL FINISH | Yes | No | No | Yes | Yes | Yes | Yes | Yes | |
| <i>What It Means:</i> | Like most other fine cars, the Aero Willys has a baked-on enamel finish, which is more durable and makes the car stay new-looking longer. | | | | | | | | |
| WARN LIGHTS FOR AM-METER AND OIL PRESSURE | Yes | No | No | No | No | No | No | No | |
| <i>What It Means:</i> | Red warning lights flash on your instrument cluster when oil pressure drops or the generator is not charging—a real improvement over old-style dials. | | | | | | | | |
| IGNITION KEY STARTING | Yes | No | No | No | Yes | Yes | Yes | No | |
| <i>What It Means:</i> | The modern, effortless way to start—just turn the car key. | | | | | | | | |
| | Up to 35 MILES per gal. | | | GASOLINE MILEAGE | | | | | |

You can get up to 35 miles a gallon at a speed of 30 miles per hour in the Aero Willys with overdrive! Speed for speed, under the same driving conditions, the Aero Willys gives the greatest mileage of any full-size, passenger car in America. Write in the blank spaces the highest mileage you are quoted on the other makes of cars shown.

Comparisons are made on the same basis, according to standards used by the Automobile Manufacturers Association. Figures for competitive cars are those of standard-model 2-door sedans, without extra equipment, current when this compilation was made. As new editions of these charts are printed, comparisons will be brought up to date to include any changes in new models of competitive cars.

Specifications, equipment and trim of the Aero Willys are subject to change without notice.

**WILLYS-OVERLAND
MOTORS, INC.**
TOLEDO, OHIO

| | AERO WILLYS | PONTIAC 6 | CHEVROLET | NASH STATESMAN | FORD 8 | DE SOTO | PLYMOUTH CONCORD | STUDEBAKER CHAMP. REG. |
|---|---|--------------------|----------------------------------|--------------------|----------------------------------|----------------------------------|----------------------------------|------------------------|
| | ENGINE AND OTHER MECHANICAL FEATURES | | | | | | | |
| TYPE OF ENGINE <i>What It Means:</i> | F-Head | L-Head | Overhead | L-Head | L-Head | L-Head | L-Head | L-Head |
| | F-head engines—a design used only by Willys, Rolls-Royce and the British Land-Rover—have a valve-in-head intake and valve-in-block exhaust, giving better breathing. F-head design gives controlled turbulence in the combustion chamber and permits higher compression, resulting in more efficient use of fuel, less susceptibility to carbon and more power in relation to size. | | | | | | | |
| NO. OF CYLINDERS <i>What It Means:</i> | 6 | 6 | 6 | 6 | 8 | 6 | 6 | 6 |
| | The 6-cylinder engine is widely used because it combines operating and maintenance economy with performance. The new HURRICANE 6 Engine, with its improved cushioned mountings, is so smooth that it is not necessary to use more than six cylinders to obtain the ultimate in smoothness. | | | | | | | |
| BORE AND STROKE <i>What It Means:</i> | 3 $\frac{1}{8}$ x3 $\frac{1}{2}$ | 3 $\frac{3}{8}$ x4 | 3 $\frac{1}{2}$ x3 $\frac{3}{4}$ | 3 $\frac{1}{8}$ x4 | 3 $\frac{3}{8}$ x3 $\frac{3}{4}$ | 3 $\frac{7}{8}$ x4 $\frac{1}{2}$ | 3 $\frac{1}{4}$ x4 $\frac{3}{8}$ | 3x4 |
| | The trend in engine design is toward "square" bore and stroke. The shorter stroke gives more smoothness, quieter operation, and longer engine life. | | | | | | | |
| COMPRESSION RATIO <i>What It Means:</i> | 7.6 | 6.5 | 6.6 | 7.0 | 6.8 | 7.0 | 7.0 | 7.0 |
| | High compression increases the efficiency of an engine. High-compression engines like the Willys HURRICANE literally squeeze more power and longer mileage out of every drop of gasoline. But, unlike many high-compression engines, the HURRICANE operates efficiently on regular gas. | | | | | | | |
| PISTON DISPLACEMENT <i>What It Means:</i> | 161 | 239.2 | 216.5 | 184 | 239.4 | 250.6 | 217.8 | 169.6 |
| | Willys has attained extremely high power output in the HURRICANE with less displacement, eliminating much needless weight. See the two following comparisons. | | | | | | | |
| HORSEPOWER <i>What It Means:</i> | 90 | 96 | 92 | 85 | 100 | 116 | 97 | 85 |
| | The 90-horsepower HURRICANE gives the new Aero Willys power for superb performance in acceleration, hill climbing and high speed. The Aero Willys uses only 42 per cent of its engine capacity to loaf along at 60—only 65 per cent cruising at 75 m.p.h. The reserve power is a real safety factor. | | | | | | | |
| HORSEPOWER PER CU. IN. DISPLACEMENT <i>What It Means:</i> | .560 | .402 | .425 | .462 | .418 | .463 | .445 | .501 |
| | This is the true measure of engine efficiency. The HURRICANE develops more power for its displacement than any engine in any full-size American car. This, together with car weight, is the secret of the record-breaking long mileage of the Aero Willys—up to 35 miles per gallon at 30 m.p.h. | | | | | | | |
| POUNDS OF CAR WEIGHT PER HORSEPOWER <i>What It Means:</i> | 28.5 | 33.5 | 33.6 | 34.2 | 31.8 | 30.0 | 30.6 | 31.6 |
| | Less car weight per horsepower means fleetest performance and longer mileage. You can see that the new Aero Willys is unmatched by the others in this important comparison. | | | | | | | |
| SIZE OF INTAKE VALVE <i>What It Means:</i> | 1.750" | 1.593" | 1.641" | 1.469" | 1.510" | 1.719" | 1.531" | 1.344" |
| | The Willys HURRICANE uses an exceptionally large intake valve, providing unusually great power reserve at both high and low driving speeds. | | | | | | | |
| SELF-CLEANING EXHAUST VALVE <i>What It Means:</i> | Yes | No | No | No | No | No | No | No |
| | The rotating exhaust valve is self-cleaning, retarding formation of carbon deposits that cause the valve to burn and postponing for thousands of miles valve-grinding jobs. | | | | | | | |
| MANIFOLD CAST IN HEAD <i>What It Means:</i> | Yes | No | No | Yes | No | No | No | No |
| | The HURRICANE intake manifold is cast in the head, assuring uniform heat-control of the fuel mixture and insuring both maximum economy and power. | | | | | | | |
| FLOATING OIL INTAKE <i>What It Means:</i> | Yes | No | No | No | No | Yes | Yes | Yes |
| | The oil intake floats on top of the oil in the crankcase, taking in only the clean oil on top instead of the oil at the bottom, where sediment settles. This prolongs engine life by providing cleaner oil. | | | | | | | |
| BY-PASS WATER RE-CIRCULATION <i>What It Means:</i> | Yes | Yes | No | No | Yes | Yes | Yes | No |
| | The thermostatically-controlled bypass gives faster engine warm-up, getting the engine quickly to efficient heat and giving quicker heater response. | | | | | | | |
| OVERDRIVE AVAILABLE <i>What It Means:</i> | Yes | No | No | Yes | Yes | No | No | Yes |
| | Overdrive gives you a "4th speed" forward, greatly increasing gas and oil mileage and prolonging engine life. Engine revolutions are reduced 30 per cent, with no reduction in car speed. | | | | | | | |
| RUBBER-CUSHIONED DRIVE <i>What It Means:</i> | Yes | No | No | No | No | No | No | No |
| | In addition to a new cushioned engine mounting, providing new smoothness at the power plant, the Aero Willys introduces an exclusive new cushioned drive which effectively suppresses vibration throughout the driving system. | | | | | | | |
| FULL-FLOATING MUFFLER AND EXHAUST <i>What It Means:</i> | Yes | No | No | No | No | No | No | No |
| | The entire forward portion of the exhaust system is cushioned by the rubber mounts of the power plant and the two rear attachment points are full rubber-cushioned, further adding to the quiet ride of the Aero Willys. | | | | | | | |
| AERO-TYPE, SELF-ADJUSTING SHOCK ABSORBERS <i>What It Means:</i> | Yes | No | No | Yes | Yes | No | No | Yes |
| | Newest type direct-acting, full-displacement shock absorbers, with 2-stage restricted-orifice valves, automatically adjust their action to every road condition, adding to the air-borne smoothness of the Aero Willys. | | | | | | | |
| RUBBER-PILLOWED FRONT SUSPENSION <i>What It Means:</i> | Yes | No | No | No | No | No | No | No |
| | The entire front suspensions of the Aero Willys are insulated by rubber pillows to absorb road noise and soak up even minor road harshness, adding to the quiet, level ride of the Aero Willys. | | | | | | | |
| INSERT-TYPE REAR LEAF SPRINGS <i>What It Means:</i> | Yes | No | No | No | Yes | No | No | Yes |
| | Willys insert-type rear springs contribute to smooth, flat ride, with freedom from wheel bounce. | | | | | | | |

DIMENSIONS AND CAPACITIES

| | | | | | | | | |
|---|---|-----------|----------|----------|----------|----------|----------|----------|
| WHEELBASE <i>What It Means:</i> | 108" | 120" | 115" | 112" | 114" | 125½" | 111" | 115" |
| | The advanced-design front and rear suspensions on the Aero Willys provide a ride heretofore possible only in the longest wheelbase cars, yet ease of handling and parking are retained. | | | | | | | |
| WHEEL TREAD—FRONT | 58" | 58¼" | 56½" | 54½" | 56" | 56½" | 55¾" | 56½" |
| WHEEL TREAD—REAR <i>What It Means:</i> | 57" | 59½" | 58¾" | 59½" | 56" | 59½" | 58½" | 54" |
| | The Aero Willys standard tread is self-tracking and gives freedom from roll on curves. | | | | | | | |
| OVERALL LENGTH <i>What It Means:</i> | 180¾" | 202¼" | 197½" | 201" | 196½" | 208¾" | 188¾" | 197½" |
| | The compact exterior length of the Aero Willys—with unusual roominess inside—makes it far easier to park and handle in traffic. | | | | | | | |
| HEIGHT—ROAD TO ROOF <i>What It Means:</i> | 60" | 65¾" | 65¾" | 63" | 64½" | 64¾" | 62¾" | 61¼" |
| | The low silhouette of the Aero Willys adds to its sleek, smart appearance without sacrificing headroom. Its extremely low center of gravity—only 23 inches above the road—gives greater safety on curves. | | | | | | | |
| OUTSIDE WIDTH <i>What It Means:</i> | 72" | 75½" | 73½" | 77½" | 72¾" | 74¾" | 73" | 70½" |
| | For all its interior spaciousness, the Aero Willys is just 72 inches wide—a real aid in piloting it through narrow spaces. The Aero Willys puts all the usable width inside the car. | | | | | | | |
| FUEL TANK <i>What It Means:</i> | 18 gals. | 17½ gals. | 16 gals. | 20 gals. | 16 gals. | 17 gals. | 17 gals. | 18 gals. |
| | Willys uses an extra large gas tank to provide an all-day drive up to 500 miles or more—without stopping for fuel, thanks to the Aero Willys economy that no other car its size approaches. | | | | | | | |
| WATER CAPACITY <i>What It Means:</i> | 11 qts. | 18½ qts. | 15 qts. | 15 qts. | 22 qts. | 15 qts. | 13 qts. | 10 qts. |
| | The <i>HURRICANE</i> Engine has full-length water jackets, yet its more efficient cooling requires only 11 quarts of water, saving you money every winter on anti-freeze, as shown below. | | | | | | | |
| PERMANENT ANTIFREEZE (Down to 10°) <i>What It Means:</i> | 3 qts. | 5 qts. | 4 qts. | 4 qts. | 6 qts. | 4 qts. | 3½ qts. | 2½ qts. |
| | These figures show how much you save on anti-freeze with the Aero Willys. Multiply them by the cost per quart of the brand of permanent anti-freeze you prefer. | | | | | | | |
| TURNING CIRCLE <i>What It Means:</i> | 38' | 39'7" | 37' | 42'4" | 41' | 42'8" | 36'6" | 39'6" |
| | The short turning radius of the Aero Willys means ease of handling in traffic and in parking. | | | | | | | |

FEATURES OF THE AERO WILLYS

COMFORT

1. 61-in. seating, front and rear.
2. Both seats between axles.
3. Soft, restful seats.
4. Long front coil springs, seated in rubber pillows.
5. Insert-type rear springs.
6. Aero-type shock absorbers.
7. Independent front suspension.
8. Engine cushion-mounted.
9. Rubber-cushioned drive.
10. Rubber-isolated exhaust.
11. Exceptional headroom.
12. Direct fresh-air intakes.*
13. Low-pressure tires.

PERFORMANCE

14. 90 h.p. *HURRICANE* 6-cylinder Engine.
15. Speeds up to 90 m.p.h.
16. Accelerates from 0 to 60 miles per hour in 17.5 seconds.
17. Highest compression (7.6) in popular-priced field.
18. F-head engine design for highest efficiency.
19. Heat-controlled manifold.
20. Extra large intake valves.
21. Center-fire ignition.
22. Controlled turbulence combustion chamber.
23. Self-cleaning exhaust valve.
24. Self-damping valve springs.
25. Aluminum pistons.
26. Chrome-plated piston rings.
27. Heat-dam pistons.
28. Down-draft carburetion.
29. Vacuum-booster pump.*
30. Automatic spark advance.
31. Water-resistant ignition.
32. Full-length water jacket.
33. Pressure-type radiator cap.
34. Thermostatic by-pass for quick warm-up.
35. Silent timing gear.
36. High-speed distributor.
37. Auto-regulated generator.
38. Follow-through starter.
39. 3-way lubrication.
40. Floating oil intake.
41. Oil filter and air cleaner.*
42. Ram-jet radiator cooling.
43. Engine statically and dynamically balanced.
44. Quiet synchromesh gears.

SAFETY

45. Rigid aero-frame structure.

46. Sloping "plane-wing" hood gives extra road visibility.
47. Driver sees all 4 fenders.
48. Wide curved windshield.
49. Car-wide curved rear window.
50. Wrap-around rear window on Aero-Ace.
51. Deep, wide side windows.
52. Low (23") center of gravity.
53. Standard tread—58", 57".
54. Self-energizing brakes.
55. Wide-angle tail lights.
56. No-glare instrument lights.

ECONOMY

57. Up to 35 miles per gallon.
58. Low-weight per horsepower.
59. Aero-streamlined for low wind resistance.
60. Undercoating at factory.
61. Operates on regular gas.
62. Uses only 3 qts. antifreeze.
63. Extreme oil economy.
64. Optional overdrive* gives extra mileage and speed.
65. Low replacement tire cost.

CONVENIENCE

66. Feather-light steering.
67. Turning radius 19'.
68. 15-ft. long, easy to park.
69. Soft, easy pedal action.
70. Large 24 cu. ft. trunk.
71. Gas filler at center rear.
72. License-plate light illuminates gas filler.
73. 18-gallon gas tank.
74. Startakey starting.
75. Directional lights.*
76. Slide-out parcel drawer.
77. Single-cluster instruments.
78. Easily adjustable front seat.
79. Warning light for oil pressure and battery charge.
80. Heater* mounted under hood.
81. Stand-open door checks.
82. Self-latching door locks.
83. Windshield washer* controls.
84. Self-locking deck lid.
85. Drop-down deck-lock cover.

BEAUTY

86. Low, long silhouette.
87. Inverted-V steering wheel.
88. Jet-and-chrome hardware.
89. Fine upholstery fabrics.
90. Custom-fitted interiors.

*Optional at extra cost.