

Roush Performance Engine Package **402 AL**

The engine department at Roush has been assembling engines for over 25 years. They have built thousands of race engines that have competed and won in drag racing, road racing, oval track racing and "land speed record" attempts. The same experienced group of engine builders inspect, assemble and test every engine offered.

Jack Roush and Roush Performance have assembled several engine packages for street use. This engine, like the others offered, is "hot tested", then "dyno tested" to verify power (and is shipped with documentation) and carries a warranty. The 402 AL delivers 425 horsepower, 485 ft-lbs of torque... a great engine for that project you plan on driving regularly on premium unleaded "pump fuel".

Engine Features:

1. **Base engine:** New "Sportsman" 2-bolt iron block, nodular cast iron crank, "Sportsman" connecting rods with 3/8" high-strength" bolts, 10:1 forged pistons.
2. **Cylinder Heads:** Roush/Edelbrock Victor Jr. Aluminum
3. **Camshaft:** Roush proprietary grind.
4. **Valve train:** 1.6:1 roller rocker arms with dual valve springs.
5. **Intake Manifold:** Single plane aluminum intake manifold, dual plane available to suit customer requirements.
6. **Carburetor:** Roush "tuned", Holley 770 CFM with vacuum secondaries and electric choke.
7. **Air Cleaner:** 14" Chrome (standard, others available)
8. **Valve Covers:** Polished, tall aluminum covers engraved with the ROUSH logo are standard (others are available).
9. **Oil Pan:** 8-quart "T" style, front sump ROUSH pan is standard. Adjustable Melling oil pump and heavy-duty shaft. (Oil pressure is pre-adjusted to compensate for pressure loss due to external oil cooler.)
10. **Accessory Drive:** Aluminum under drive V-belt pulley system, billet aluminum mounting bracket and spacers with 90 amp, single wire alternator.
11. **Fuel Pump:** Mechanical Carter high-performance pump with braided line and fittings from pump to carburetor, fuel log with pressure gauge.
12. **Flywheel:** McLeod 157-tooth billet steel flywheel installed (balanced to 28.2 in./oz. factor). Aluminum flywheel available as an option.
13. **Ignition:** Ford Racing billet aluminum, vacuum advance distributor with Ford Racing 10 mm plug wires and wire-looms.
14. **Starter:** New, high torque starter with cable.
15. **Water Pump:** New Ford production, standard rotation for V-belt applications under 6,000 rpm.
16. **Testing and Documentation:** Each engine is "hot-tested" and then subjected to several "dyno pulls" to verify power. Each engine is shipped with a copy of the results (identified by I.D.# stamped on engine) to confirm it's advertised power.

Options: McLeod clutch (and installation), "Polished-Package" and others are available.