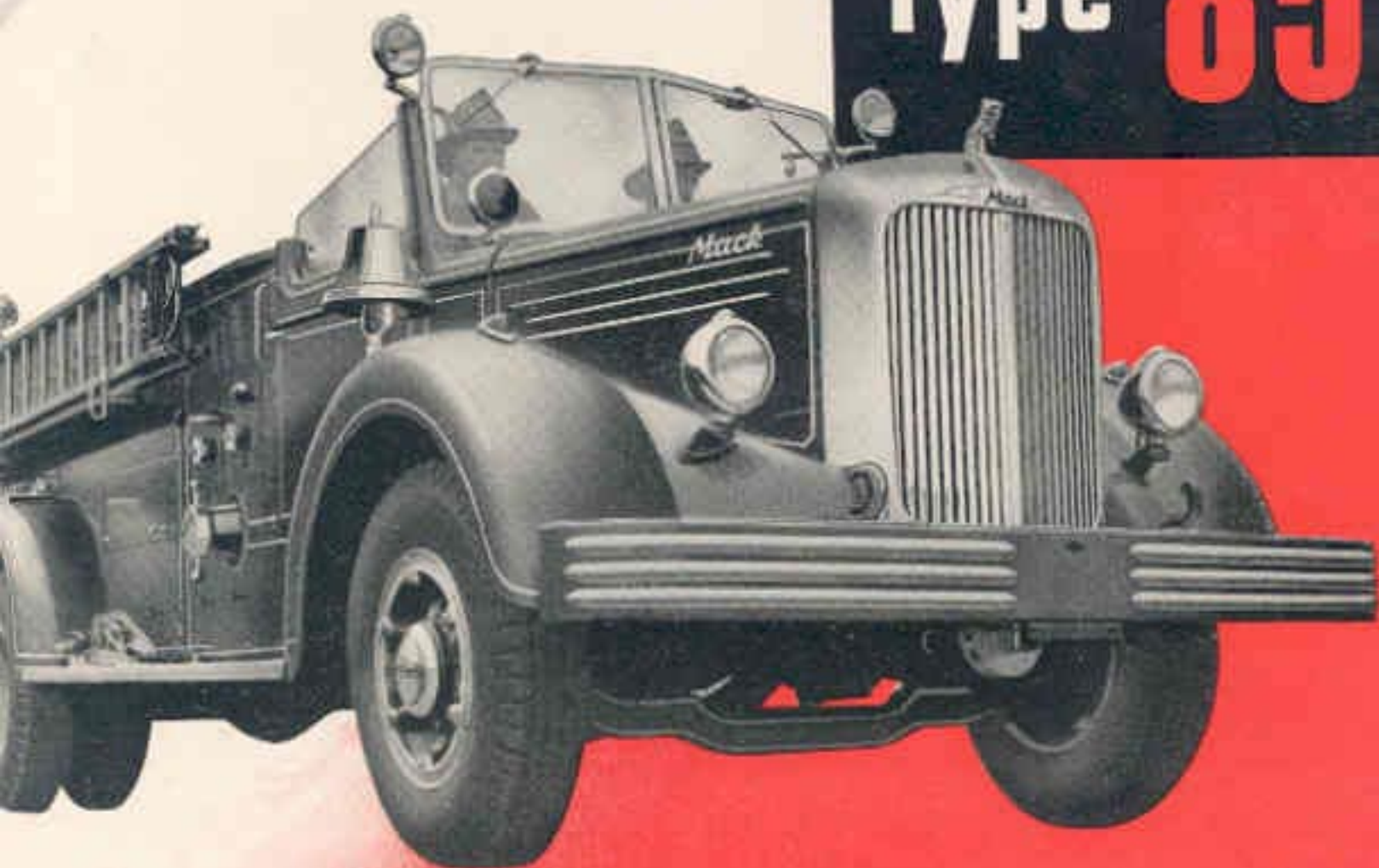


Mack



type **85**



fire apparatus

AUTOLIT



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Mack

type 85



Handsome chromium plated radiator, and an impressive modern appearance. Semi-windshields which may be raised or lowered for comfortable seating for three men. Type of enclosed cab arrangement.

750-Gallon, Triple combination Pumper

PERFORMANCE, both on the road and at the hydrant, reaches a new high in the Mack Type 85. For this modern pumper is powered by the sensational Mack Thermodyne engine, hailed by Fire Chiefs as the most advanced engine in fire-fighting service today.

Like numerous other superiorities of Mack fire apparatus, this great engine is a product of extensive research and experiment, made possible by resources greater than those of all other fire apparatus builders combined. Typical instances of Mack's better, more modern construction are found in such features as . . .

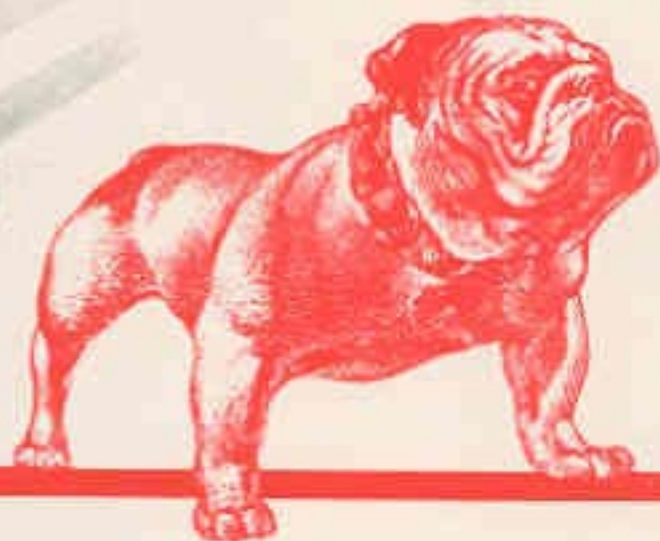
centralized control system . . . single-throttle, pressure regulating governor . . . automatic engine temperature regulation . . . directed water flow cooling . . . rubber Shock Insulated springs. All are a natural outgrowth of Mack's policy of complete manufacture in Mack factories from raw materials to finished apparatus.

This close control over the materials, workmanship and testing of every part is definite assurance of quality construction, which combined with advanced design, assures the top-notch efficiency and un-failing reliability for which Mack apparatus has long been famous.

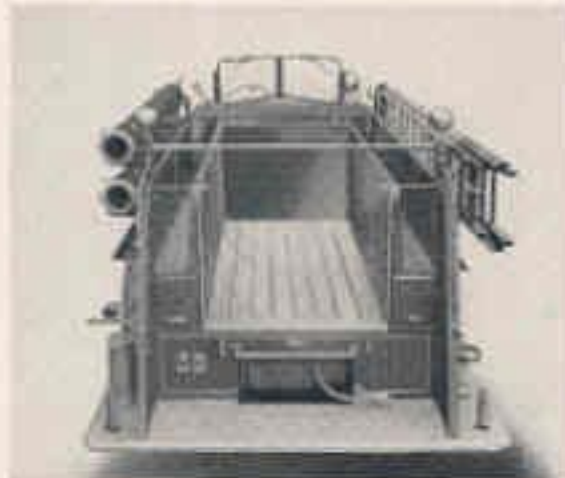
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Efficient hand design gives the Type 22
illustrated, has three-quarter side
with 60" inside width, provides
is also available with a safety



Body is designed for utmost efficiency which assures quick accessibility to all equipment. Built completely in Mack shops this heavy-gage, all-steel body has a capacity of 1650 feet of 2 1/2-inch hose and 300 feet of 1 1/2-inch hose.



Simplicity of pump controls has always been a feature of Mack apparatus. Note this compact and efficient arrangement with all gauges and levers grouped together within easy reach of the operator.



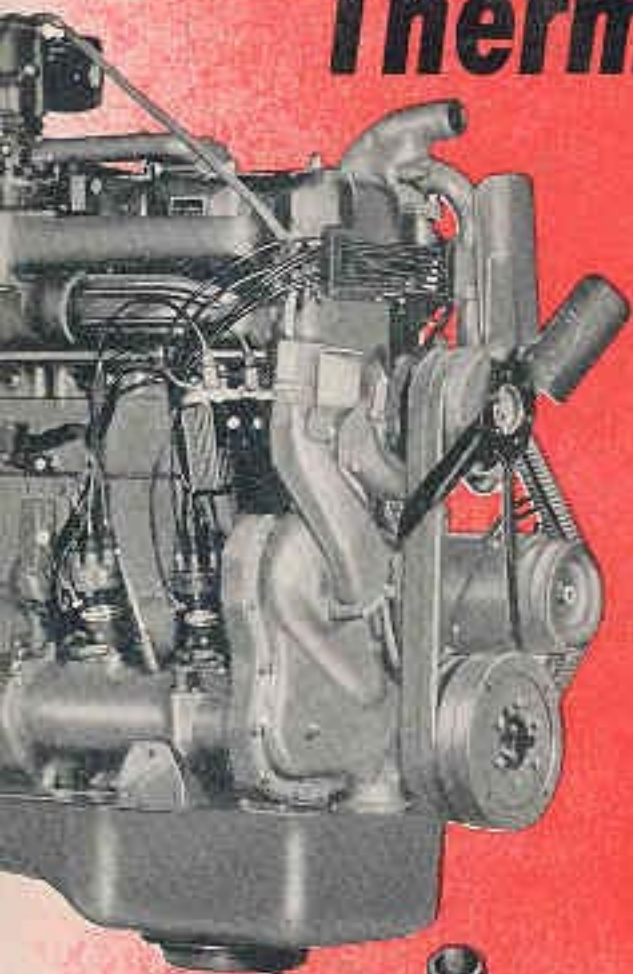
Comfort of accommodations and convenience of operating controls receive special attention in Mack design. Note individual, adjustable driver's seat and handy, out-of-the-way location of parking brake.

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Thermodyne Power!



The Mack-built Thermodyne Engine, Model ENF 707A, is manufactured specifically for fire fighting service. Developing 225 horse power, this engine has plenty of stamina and power reserve to drive the 750-gallon pump through the most grueling continuous pumping operations. On the road its superior performance shows up in fast acceleration, easy cruising at high speeds and effortless hill climbing ability.

Mack quality and exclusive Mack features account for the Thermodyne Engine's unrivaled perfection. Cylinder blocks, cast from chrome-nickel-iron alloy, are free from distortion, and have longer lasting bores and valve seats. Exhaust valve seat inserts of Niferite alloy are Stellite-faced. They have a permanent fit and exceptional durability. Offset turbulence type cylinder heads, extra large carburetor, double ignition system, improved inlet manifold, and graduated heat vaporizer system bring more efficient combustion which results in outstanding performance.

Connecting Rods are diagonally split and are carefully balanced and matched in sets of six.



Crankshaft, supported by seven main bearings, is fully counter-balanced by twelve integrally-forged counterweights. All the journals are Tocco-hardened.



Crankcase: View of upper crankcase shows husky bulk-heads supporting the seven main and camshaft bearings. Both main and connecting rod bearings are the thin-shell, interchangeable, precision type.



Timing Gears, manufactured by an exclusive Mack process, are drop-forged, upset, end-grain, case-hardened and generator-ground. Permanently quiet, Mack timing gears never wear out.

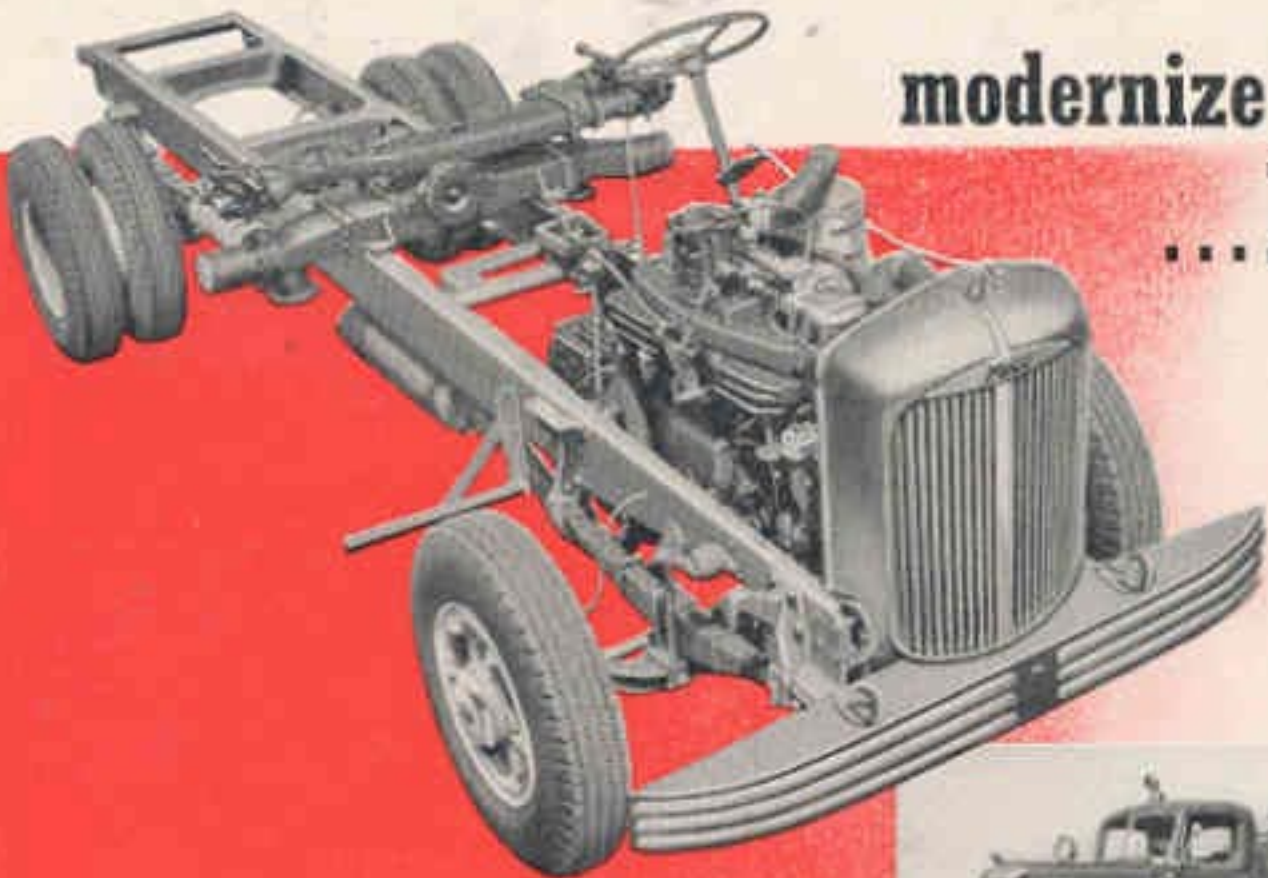


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modernize with MACK



The massive chassis features a frame of unequalled strength and rigidity. Side-calls, of highest grade pressed carbon steel, are permanently joined by box-girder type cross members designed and used only by Mack. Spring-ends are mounted to the frame by Mack rubber Shock Insulators. Advanced design and construction has reduced maintenance requirements to a minimum and produced a chassis with extra margins of strength and sturdiness that assure peak performance and constant efficiency.

Pressure-Volume Centrifugal Pump, pioneered by Mack, is mounted directly to the frame. Its construction is rugged and clean-cut. Mack automatic throttle control pressure regulator holds desired pump pressure, regardless of the number of hose lines in play.

- 1 Type 85, 750-gallon, quadruple combination pumpset with closed cab.
- 2 Type 85, 750-gallon, triple combination pumping engine with standard open seat.
- 3 Type 85, triple combination pumping engine with special seven-man sedan type cab.



IN DESIGNING AND BUILDING FIRE APPARATUS FOR THE PROTECTION OF LIVES AND PROPERTY THERE CAN BE NO COMPROMISE WITH QUALITY. ALL MACK APPARATUS IS BUILT TO MEET THE RESPONSIBILITY.

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