

GENERAL MOTORS
LOCOMOTIVES



6000 H.P. DIESEL LOCOMOTIVE . . DESIGNED AND BUILT BY ELECTRO-MOTIVE DIVISION . . GENERAL MOTORS . . LA GRANGE, ILLINOIS, U. S. A.

6000 H. P. DIESEL PASSENGER LOCOMOTIVE

Designed and Built for

SOUTHERN PACIFIC COMPANY

BY ELECTRO-MOTIVE DIVISION • GENERAL MOTORS • LA GRANGE, ILLINOIS

This Diesel passenger locomotive consists of two lead and one booster units, each equipped with two 12-cylinder, V-type, 2-cycle GM Diesel engines having a bore of $8\frac{1}{2}$ " stroke 10" and a unit fuel injection system. These engines are rated at a full 1000 horsepower for propulsion at 800 RPM, providing a total of 2000 horsepower per unit and 6000 horsepower for the

locomotive. Each engine is directly coupled to a DC generator. The direct current is fed through control apparatus to the twelve traction motors—two per truck—geared directly to the driving axles. There are two six-wheel trucks under each unit. The traction motors supply power only to the front and rear axle of each truck. The center axle is load bearing.

SPECIFICATIONS

DIMENSIONS (per unit)

| | |
|---|-----------------------|
| Overall length over couplers, lead unit..... | 71'-1 $\frac{1}{4}$ " |
| Overall length over couplers, booster unit..... | 70'-0" |
| Maximum width over grab irons..... | 10'-6 $\frac{7}{8}$ " |
| Maximum height above rail..... | 14'-11" |
| Distance between truck centers..... | 43'-0" |
| Truck rigid wheel base..... | 14'-1" |
| Wheel diameter..... | 36" |

SUPPLIES (per unit)

| | |
|---------------------------|------------|
| Fuel oil..... | 1200 gals. |
| Sand, lead unit only..... | 16 cu. ft. |
| Lubricating oil..... | 330 gals. |
| Cooling water..... | 400 gals. |

WEIGHTS (per unit - approximate)

| | |
|---|--------------|
| Total loaded weight on rails, lead unit..... | 315,000 lbs. |
| Total loaded weight on rails, booster unit..... | 305,000 lbs. |
| Loaded weight on drivers, lead unit..... | 212,310 lbs. |
| Loaded weight on drivers, booster unit..... | 205,570 lbs. |

