

GENERAL MOTORS
LOCO. MOTIVES



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 one lead and two 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.

