



2000 H.P. DIESEL PASSENGER LOCOMOTIVE . . DESIGNED AND BUILT BY ELECTRO-MOTIVE DIVISION . . GENERAL MOTORS . . LA GRANGE, ILLINOIS, U. S. A.

# 2000 H. P. DIESEL PASSENGER LOCOMOTIVE

*Designed and Built for*  
**WABASH RAILROAD**

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

This Diesel Passenger Locomotive is equipped with two 12 cylinder, V-type, 2 cycle General Motors Diesel engines having a bore of  $8\frac{1}{2}$ " , stroke 10" and a unit fuel injection system. These engines, capable of independent operation, are rated at 1000 horsepower each at 800 RPM, providing a total of 2000 horsepower for the locomotive. Each engine is directly coupled to a

DC generator. Current from these generators is fed through control apparatus to four traction motors—two per truck—geared directly to the driving axles. Two six-wheel trucks are used in this locomotive for smoother operation in the upper high speed range, middle wheels being designed to aid in weight distribution only.

## SPECIFICATIONS

### DIMENSIONS

Overall length over couplers .....	71'-11 $\frac{1}{4}$ "
Maximum width over grab irons .....	10'-6 $\frac{7}{8}$ "
Width over body posts .....	9'-10"
Height over all, above rail .....	14'-10"
Wheel diameter .....	36"
Rigid wheel base of trucks .....	14'-1"
Roller bearing journals .....	6 $\frac{1}{2}$ " x 12"
Distance between bolster centers .....	43'-0"
Truck swing designed for 21° curve or 274-foot radius	

### BASE WEIGHTS (approximate)

Total weight, fully loaded .....	315,000 lbs.
Weight on drivers, fully loaded .....	212,310 lbs.

### TRACTION EFFORT

*(calculated from base weight)*

Maximum tractive effort at rim of driving wheels at 25% adhesion .....	53,077 lbs.
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### SUPPLIES

Fuel oil .....	1200 gals.
Sand .....	16 cu. ft.
Lubricating oil .....	280 gals.
Engine cooling water .....	300 gals.
Boiler water .....	1200 gals.

