



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*

## CHESAPEAKE & OHIO RAILWAY

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

This Diesel passenger locomotive consists of one lead unit, 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. The engines are rated a full 1000 horsepower for propulsion at 800 RPM, providing a total of 2000 horsepower. Each engine is directly

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

### S P E C I F I C A T I O N S

#### DIMENSIONS

Overall length over couplers.....	71'-1 $\frac{1}{4}$ "
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

Fuel oil.....	1200 gals.
Sand.....	16 cu. ft.
Lubricating oil.....	330 gals.
Cooling water.....	400 gals.

#### WEIGHTS

Total loaded weight on rails.....	318,650 lbs.
Loaded weight on drivers.....	214,770 lbs.

