



4000 H.P. DIESEL PASSENGER LOCOMOTIVE . . DESIGNED AND BUILT BY ELECTRO-MOTIVE DIVISION . . GENERAL MOTORS . . LA GRANGE, ILLINOIS, U. S. A.

4 0 0 0 H. P. D I E S E L P A S S E N G E R L O C O M O T I V E

Designed and Built for

I L L I N O I S C E N T R A L R A I L R O A D

This Diesel passenger locomotive consists of two lead 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. The engines are rated a full 1000 horsepower for propulsion at 800 RPM, providing a total of 2000 horsepower per unit and 4000 horsepower for the locomotive. 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 (per unit)

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

SUPPLIES (per unit)

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

WEIGHTS (per unit - approximate)

Total loaded weight on rails.....	313,300 lbs.
Loaded weight on drivers, lead unit.....	211,164 lbs.

