



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

CHICAGO & EASTERN ILLINOIS RAILROAD

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

This Diesel Passenger Locomotive is equipped with two General Motors 12 cylinder, V-type, 2 cycle Diesel engines having a bore of 8 1/2", stroke 10" and a unit fuel injection system. These engines 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.

D I M E N S I O N S

Overall length over couplers.....	71'-1 1/4"
Maximum width over grab irons.....	10'-6 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 1/2" x 12"
Distance between truck centers.....	43'-0"
Truck swing designed for 21° curve, or 274-foot radius.	

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

S U P P L I E S

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

W E I G H T S

Total weight fully loaded.....	318,810 lbs.
Weight with one-half of variable supplies ..	308,440 lbs.

T R A C T I V E E F F O R T

Maximum tractive effort at rim of driving wheels at 25% adhesion.....	53,719 lbs.
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