

GENERAL MOTORS
LOCOMOTIVES



3000 H.P. DIESEL FREIGHT LOCOMOTIVE . . DESIGNED AND BUILT BY ELECTRO-MOTIVE DIVISION . . GENERAL MOTORS . . LA GRANGE, ILLINOIS, U. S. A.

3000 H. P. DIESEL FREIGHT LOCOMOTIVE

Designed and Built for

CHICAGO, INDIANAPOLIS & LOUISVILLE RAILWAY

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

This 3000 horsepower Diesel freight locomotive consists of two lead units, arranged for control from either cab thus eliminating turn-arounds at terminals. Each unit is capable of independent operation and is equipped with one 16 cylinder, V-type, 2-cycle General Motors Diesel engine with 8½" bore, 10" stroke and a unit fuel injection system. Each engine is directly coupled to a DC-AC generator. Alternating current powers auxiliary equipment. Direct current is fed through

control apparatus to traction motors which are geared directly to drive axles. There are two traction motors per truck, two 4-wheel trucks per unit. General Motors 3000 and 4500 horsepower Diesel freight locomotives in service on *The Hoosier Line* are capable of moving heavier tonnage over greater distances in quicker time than any other type of locomotive in their horsepower range.

3000 H. P. LOCOMOTIVE SPECIFICATIONS

DIMENSIONS

Overall length over couplers.....	101'-4"
Maximum width over grab irons.....	10'-7"
Width over body posts.....	9'-10"
Height over all, above rail.....	15'-0"
Wheel diameter.....	40"
Rigid wheel base of trucks.....	9'-0"
Roller bearing journals.....	6½" x 12"
Distance between bolster centers.....	30'-0"
Truck swing designed for 21° curve or 274-foot radius	

BASE WEIGHTS (approximate)

Total weight on drivers, fully loaded.....460,000 lbs.

TRACTIVE EFFORT

(calculated from base weight)

Maximum tractive effort at rim of driving wheels
at 25% adhesion.....115,000 lbs.

SUPPLIES

Fuel oil.....	2400 gals.
Sand.....	32 cu. ft.
Lubricating oil.....	400 gals.
Engine cooling water.....	460 gals.

