



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

3000 H. P. DIESEL LOCOMOTIVE

Designed and Built for

GULF, MOBILE & OHIO RAILROAD

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

This 3000 horsepower Diesel 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.

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.

