

GENERAL MOTORS
LOCOMOTIVES



4500 H.P. DIESEL PASSENGER LOCOMOTIVE . . DESIGNED AND BUILT BY ELECTRO-MOTIVE DIVISION . . GENERAL MOTORS . . LA GRANGE, ILLINOIS, U. S. A

4500 H.P. DIESEL PASSENGER LOCOMOTIVE

Designed and Built for

ERIE RAILROAD

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

This 4500 horsepower Diesel passenger 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 two 12-cylinder, V-type, 2-cycle General Motors Diesel engines with 8½" bore, 10" stroke,

and employing 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 the eight traction motors—two per truck—geared directly to the driving axles. There are two six-wheel trucks per unit.

SPECIFICATIONS

DIMENSIONS (per unit)

Overall length over couplers, lead unit.....	70'-3"
Maximum width over handholds.....	10'-8"
Width over body posts.....	9'-10"
Overall height, over horns, maximum.....	14'-10½"
Wheel diameter.....	36"
Rigid wheel base of trucks.....	14'-1"
Distance between bolster centers.....	43'-0"
Truck swing designed for 21° curve or 274-foot radius.	

WEIGHTS (per unit—approx.)

Total weight, fully loaded.....	332,000 lbs.
Weight on drivers, fully loaded.....	226,250 lbs.
Trucks (2).....	102,900 lbs.

CAPACITY (per unit—approx.)

Starting tractive effort at 25% adhesion.....	56,563 lbs.
---	-------------

SUPPLIES (per unit)

Fuel oil.....	1200 gals.
Sand.....	16 cu. ft.
Lubricating oil.....	330 gals.
Engine cooling water.....	400 gals.
Steam generator water.....	1350 gals.

