

GENERAL MOTORS
LOCOMOTIVES



1350 H.P. DIESEL FREIGHT LOCOMOTIVE . . DESIGNED AND BUILT BY ELECTRO-MOTIVE DIVISION . . GENERAL MOTORS CORPORATION . . LA GRANGE, ILLINOIS, U. S. A.

1350 H. P. DIESEL FREIGHT LOCOMOTIVE

Designed and Built For

ATLANTIC & EAST CAROLINA RAILWAY COMPANY

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

This Diesel Freight Locomotive is equipped with one General Motors, sixteen cylinder, V-type, 2 cycle Diesel engine having a bore of $8\frac{1}{2}$ " , stroke 10" with unit injection system, rated at 1350 H.P. at 800 R.P.M., and is direct connected to a D.C. generator, the cur-

rent of which is distributed to the traction motors mounted on the trucks which in turn are geared to the axles. The two 4-wheel trucks are equipped with two traction motors each, or a total of four motors geared for a maximum speed of 45 M.P.H.

DIMENSIONS

Overall length over couplers.....	50'-8"
Maximum width over grab irons.....	10'-7"
Width over body posts.....	9'-10"
Height over all, above rails.....	15'-0"
Wheel diameter.....	40"
Rigid wheel base of trucks.....	9'-0"
Roller bearing journals.....	$6\frac{1}{2}$ "x12"
Truck swing designed for 21° curve or 274-foot radius	
Distance between truck centers.....	30'-0"

SPECIFICATIONS

SUPPLIES

Fuel oil.....	1200 gals.
Sand.....	16 cu. ft.
Lubricating oil.....	200 gals.
Engine cooling water.....	230 gals.

WEIGHTS

Total weight fully loaded.....	226,790 lbs.
Weight of locomotive with one-half of variable supplies.....	219,440 lbs.
Maximum tractive effort at rim of driving wheels at 25% adhesion.....	54,860 lbs.

