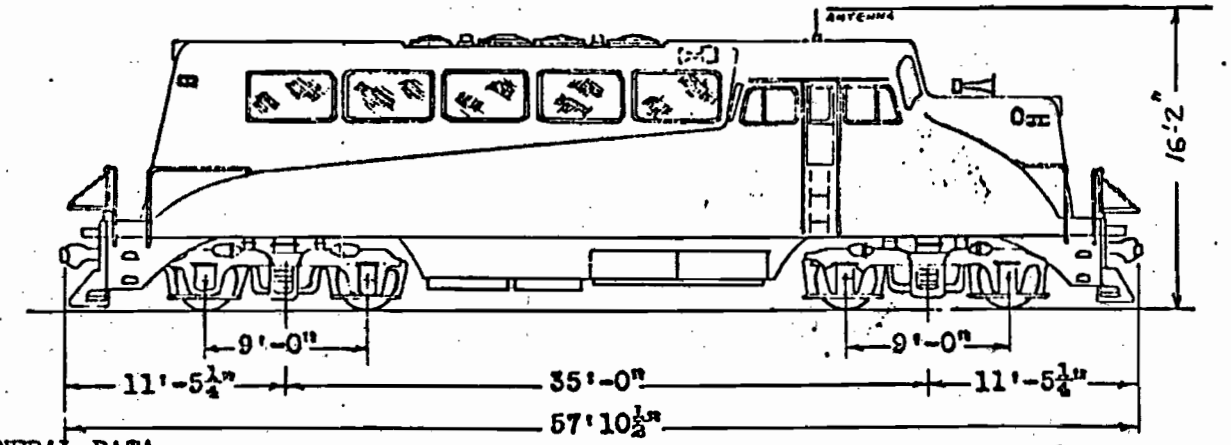
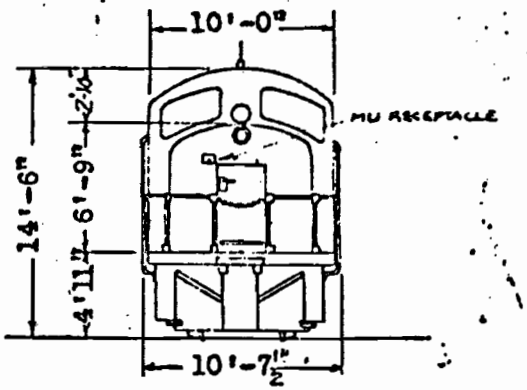
Built October 1948 Electro-Motive Division - General Motors — Diesel Electric Road Freight Locomotive No. 81, 82
Builder's Nos. 5921, 5922 ORDER NO. 960 — Class DF-15





J-16 RED. VALVE
"81 - BATTERIES 8-4MV-17D EXIDE
SPEED RECORDER-CHICAGO PNEUMATIC 0-60
27-27 POINT MU CONNECTIONS FRONT & BACK OF LOCOMOTIVE

GENERAL DATA — GOVERNOR- WOODWARD PG ELECTRO HYDRAULIC.

1. Weight - Working Order	232,000 lbs.	CAPACITY (continued)	
2. Horsepower	1500	27. Sand	16 cu.ft.
3. Tractive power @ 25% adhesion	58,000 lbs.	MISCELLANEOUS	
4. Ratio of Gears	62-15	28. Sanders	Prime "one line" (Duplex) Sanding
5. Maximum speed (Over-Speed Setting)	65 M.P.H.	29. Horns	2 - Leslie Pneumatic
ENGINE		30. Bell ringer	Viloc
6. Type	No.567B General Motors - Two Cycle	31. Window Wiper	Air Push
7. Cylinders - 16	Bore 8½", Stroke 10"	32. Traction Motor Blower	Howard Fan 5.H.P Delco
8. Displacement	9072 cu.in.	33. Draft Gear	National Malleable Type M-350 rubber
ELECTRICAL	Multiple Unit Control	34. Coupler	National Malleable Type E
9. 1 EMD Main Generator Model D-12	Cont.Rating 2200 amps.	AIR BRAKE	Flat Maintaining and Emergency-Brake Valve.
10. 1 EMD Alternator, Model-D-14	AC 149 Volts,3 phase	35. Schedule	Westinghouse Schedule 24-RL
11. 4 EMD Motors Model D-27B	Cont.Rating 700 amps.	36. Brake Power	90 000 lbs. @ 30 lbs. Cyl.press.
12. Control Equipment	64 Volts EMD Electro pneumatic	37. Air Compressors	1 - Gardner-Denver Type WXO
13. Cooling Fan Motors	3PH,165V,12HP,1550R.P.M, AC	38. Pump Capacity	225 cu.ft./min. @ 800 r.p.m.
14. Batteries	"82 16-2 Cells - 64 Volts Exide MVAHT 25	39. Reservoir Capacity	53,500 cu.in.
15. Lighting Circuit	64 Volts	40. Hand Brake	Peacock
16. Headlights	2 - Pyle National, 250 Watts, 32 Volts	TRUCKS	Y-144 Cobra Brake Shoes
TRACTIVE POWER		41. Type	E.M.D. Type, Cast Steel, Heat Treated
17. Starting	58,000 lbs.	42. Axles	6½" x 12" journals for Hyatt Roller Bearings
18. 10 M.P.H.	47,000 lbs.	43. Wheels	40" Dia., rolled Steel, 4 pairs
19. 15 M.P.H.	31,500 lbs.	44. Brake Cylinders	8 - 9" x 8"
20 M.P.H.	24,500 lbs.	45. Side Bearings	Plain Steel
21. 25 M.P.H.	18,500 lbs.	46. Flange Oilers	None
22. 30 M.P.H.	16,500 lbs.	LIMITING DIMENSIONS	
23. Continuous Rating	42,000 lbs. @ 11 MPH.	47. Maximum Length, coupled	57'-10½"
CAPACITY		48. Maximum Width	10'- 7½"
24. Fuel	1,000 gals.	49. Maximum Height	14'- 6"
25. Cooling Water	230 gals.	50. Minimum radius of curvature	150'