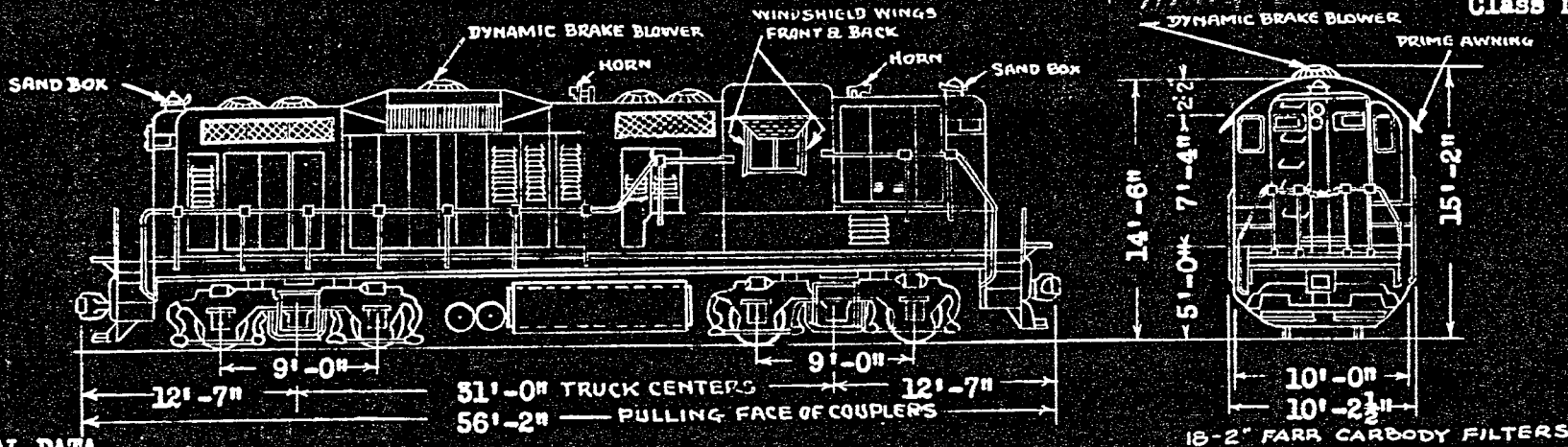


BUILT BY ELECTRO-MOTIVE DIVISION  
 NOS. 39-40 BUILT APRIL, 1957, BUILDERS NOS. 23270, 23271  
 NOS. 41-45 BUILT JUNE, 1957, BUILDERS NOS. 23906-23910 INC.

Diesel Electric Road Switching Locomotives Nos. 39, 40

41-45

Class DS-27



GENERAL DATA

1. Weight - Working Order	249,000 lbs.	CAPACITY	
2. Horse Power	1750	28. Fuel Oil	1700 Gals. Lubricating Oil 200 Gals.
3. Ratio of Gears	62-15	29. Cooling Water	230 Gals. 18 cu.ft.
4. Maximum Speed (Over-speed setting)	57 M.P.H.	MISCELLANEOUS	
ENGINE		30. Sanders One Line Duplex	8 Traps, Elect. Pneumatic Prime
5. Type	Two Cycle Vee Type No. 567-C General Motors	31. Horns	- Leslie S-5T Pneumatic, Cab Heater - 2 Hot Water
6. Cylinders - Bore and Stroke	16 - 8½" x 10"	32. Bell Ringer-Prime	BR-106, Filters-Engine Air 4-Oil Bath Air Maze
7. Speed - Idling	275 R.P.M. At Rated H.P. 855 R.P.M.	33. Window Wiper-Sorague	Air Push, Flange Lubricators-Malco
8. Governor	Woodward PG Electro Hydraulic	34. Speed Recorder	Barco DPC 0-75 M.P.H.
ELECTRICAL	E.I. Transition	35. Fire Ext.	1½ Qt. CTC in cab, 2-30# Ansul (1-Cab, 1-Blr. Rm)
9. 1 - BMD Main Generator	Model D12B, 600V, 2200 Amp. Cont. DC	36. Draft Gear	National Malleable M-380
10. 1 - BMD Aux. Gen.	Model A-7159A-1, 10KW, 80V, 125 Amps.	37. Couplers-Front & Back,	self-alignment, Top Opr. Type "E"
11. 1 - BMD Alternator	Model D-14, 100 KW, 165 Volts, 3 HP AC	BRAKE EQUIPMENT	
12. 4 - BMD Traction Motors	Model D37B, 900 Amps. Cont. DC	38. Dynamic Brake	700 Amps. Maximum E.M.D.
13. 4 - BMD Trac. Mtrs. Blowers	Model I435, 165V, 5HP, 3100RPM AC	39. Dynamic Braking Power	32500 lbs. @ 21 M.P.H.
14. 1 - BMD Dyn. Brk. Blr.	Model A8103, 48", 125V, 18HP, 1300RPM DC	40. Air Brake Schedule	- DS-24-MC Valve, Westinghouse 24 RL
15. Controls	MU Right & Left, Front & Back	41. Air Brake Power	145,000 lbs. @ 50 lbs. Cyl. Press.
16. Cables	MU 27:27, 96" long, Dynamic Brake 3:3.96 long	42. Air Compressor (Water cooled)	Gardner-Denver Type WBO
17. 1 - Fuel Pump Motor	Model A-751, 1/4 HP, 74V, 1100RPM DC	43. Air Compressor Capacity	235 C.F.M. @ 855 R.P.M.
18. 4 - Cooling Fan Motor	3 PH, 165V, 12HP, 1550RPM AC	44. Air Res. Capy. 2 - 22½" dia. x 102"	74,150 cu. in.
19. Lighting Circuit	- 74 V., Battery 32C, 64V. MV-25-D Exide	45. Hand Brakes	Peacock No. 800 RE
20. Headlight	Pyle National Twin Sealed Beam 200W, 30-V	TRUCKS	
TRACTIVE POWER	Continuous Rating 52400 lbs. @ 9.0 MPH	46. Type	E.M.D. Type Cast Steel
21. Starting @ 25% adhesion	62,250 lbs.	47. Axles-Heat. Treat. 6½"x12"	Journs. Hyatt Roller Bearings
22. 15 M.P.H.	35,500 lbs.	48. Wheels	40" M.W. Rolled Steel
23. 20 M.P.H.	27,000 lbs.	49. Brake Cylinders	8 - 9" x 8", Side Brgs. - Plain Steel
24. 25 M.P.H.	21,500 lbs.	LIMITING DIMENSIONS	
25. 35 M.P.H.	16,500 lbs.	50. Maximum Length coupled	56' 2"
26. 45 M.P.H.	12,000 lbs.	51. Maximum Width	10'-3½" Maximum Height 15' 2"
27. 53 M.P.H.	10,000 lbs.	52. Maximum Radius of Curvature	21 Deg.