

BUILT BY ELECTRO MOTIVE DIVISION

NO'S 25-28 BUILT MAY 1954, BUILDER'S NOS 19548-19551

NO'S 29-30 BUILT MARCH 1955, BUILDER'S NO. 20355, 20356

NO'S 31-32 BUILT SEPT. 1955, BUILDER'S NO. 20887, 20888

NO'S 33 BUILT APRIL 1955, BUILDER'S NO. 20664

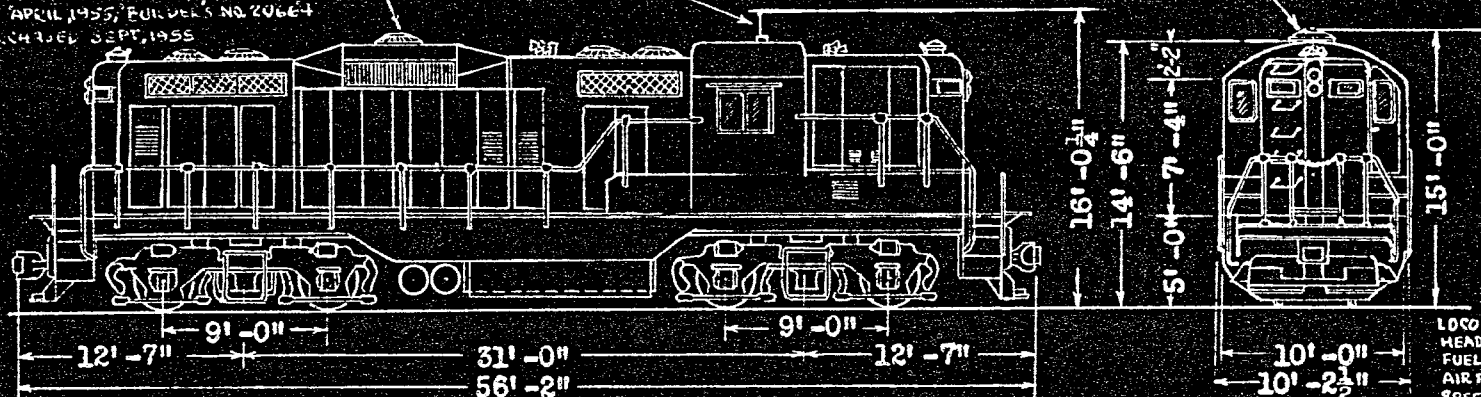
P.O. CHANGE SEPT. 1955

Diesel Electric Road Switching Locomotives Nos. 25, 26, 27, 28
29, 30, 31, 32, 33
Class DS-24

FLEXIBLE ANTENNA, LOCOS NOS. 25-28 ONLY

BRAKE BLOWER

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GENERAL DATA

WATER TEMP. COOLING FAN MOTORS
37, 149V., 3HP, 1550 R.P.M. AC

Locos. Nos. 25 to 28 equipped with Bendix Radio

LOCO. NO. 33
HEADLIGHT - MARS
FUEL TANK - 1200 GAL
AIR FILTER - 4" FARE
SPEED INDICATOR - CHICAGO P.M.
2" HOT WATER CAB HEATER

1. Weight - Working Order	249,000 lbs.	CAPACITY	
2. Horsepower	1750	28. Fuel Oil	1600 Gals. (Locos No. 25-32 ONLY)
3. Ratio of Gears	62:15	Lubricating Oil	200 Gals.
4. Maximum Speed (Over-speed setting)	57 M.P.H.	29. Cooling Water	250 Gals.
ENGINE		Sand	18 cu.ft.
5. Type	Two Cycle Vee Type No. 567-C General Motors	MISCELLANEOUS	25-32 Cab Heater, 2 Circulating Fans
6. Cylinders - Bore and Stroke	16 - 8 1/2" x 10"	30. Sanders One Line Duplex, 8 Traps, Elect. Pneumatic Prime	
7. Speed - Idling	275 R.P.M. At Rated H.P. 835 R.P.M.	31. Horns	Leslie Model S-5T Chime Horn-Pneumatic
8. Governor	Woodward PG Electro Hydraulic	32. Bell Ringer-Prime BR-106, 2 5/32" Eng. Air Filters-Rotonamic	
ELECTRICAL		33. Window Wiper-Sprague "Air Push" Flange Lub. 25-30 Magnus 31-33 NALCO	
9. 1 - EMD Main Generator Model D12B, 600V, 2200 Amp. Cont. DC		34. Speed Recorder	Barco DPC 0-75 M.P.H.
10. 1 - EMD Aux. Gen. Model A-7159A-1, 10KW, 80V, 125 Amps.		35. Fire Ext. 1 qt. CTC in cab, 2-30# Ansul (1-Cab, 1-Boiler Rm)	
11. 1 - EMD Alternator Model D-14, 100 KW, 149 Volts, 3 HP, AC		36. Draft Gear	National Malleable M-380
12. 4 - EMD Traction Motors Model D37B, 900 Amps, Cont. DC		37. Couplers-Front and Back (29-33 Self-aligning) Top Operated Type "E"	
13. 4 - EMD Trac. Mtr. Blowers Model I435, 149V, 5HP, 3100RPM AC		BRAKE EQUIPMENT	
14. 1 - EMD Dyn. Brk. Blr. Model A8103, 48', 125V, 18HP, 1300RPM DC		38. Dynamic Brake	700 Amps. Maximum E.M.D.
15. MU Connections - Right and Left	Front And Back Ends	39. Dynamic Braking Power	32,500 lbs. @ 21 M.P.H.
16. MU Cont. Cable	27 Wire, 96" Long, Dyn. Br. Jumper Cable 3:5	40. Air Brake Schedule	Westinghouse 24RL
17. 1 - Fuel Pump Motor Model A-751, 1/4 HP, 74V, 1100 RPM DC		41. Air Brake Power	145,000 lbs. @ 50# Cyl. Press.
18. Battery	32 Cells, 64 Volts, MV-25-D Exide	42. Air Compressor	Gardner-Denver Type MKO
19. Lighting Circuit	74 Volts	43. Air Compressor Capacity	235 C.F.M. @ 835 R.P.M.
20. Headlight (Loco No. 25-32) Pyle-National Twin-Sealed Beam 200W, 30V		44. Air Res. Capy.	2 - 22 1/2" dia. x 102" - 74, 150 cu. in.
TRACTIVE POWER	CONTINUOUS RATING 52,400 LBS @ 30 M.P.H.	45. Hand Brakes	Ratio 25% Peacock No. 800 RE
21. Starting @ 25% adhesion	62,250 lbs.	TRUCKS (FLANGE OILERS *25-30 MAGNUS, *31-33 NALCO)	
22. 15 M.P.H.	35,500 lbs.	46. Type	E.M.D. Type Cast Steel
23. 20 M.P.H.	27,000 lbs.	47. Axles-Heat Treat. 6 1/2"x12" Jours. for Hyatt Roller Brgs.	
24. 25 M.P.H.	21,500 lbs.	48. Wheels	40" Dia. Rolled Steel
25. 35 M.P.H.	16,500 lbs.	49. Brake Cylinders-8-9" x 8", Side Bearings-Plain Steel	
26. 45 M.P.H.	12,000 lbs.	LIMITING DIMENSIONS	
27. 55 M.P.H.	10,000 lbs.	50. Maximum length coupled	56'-2"
		51. Maximum width	10'-2 1/2" Maximum Height 15'-0"
		52. Maximum Radius of curvature	21 deg.