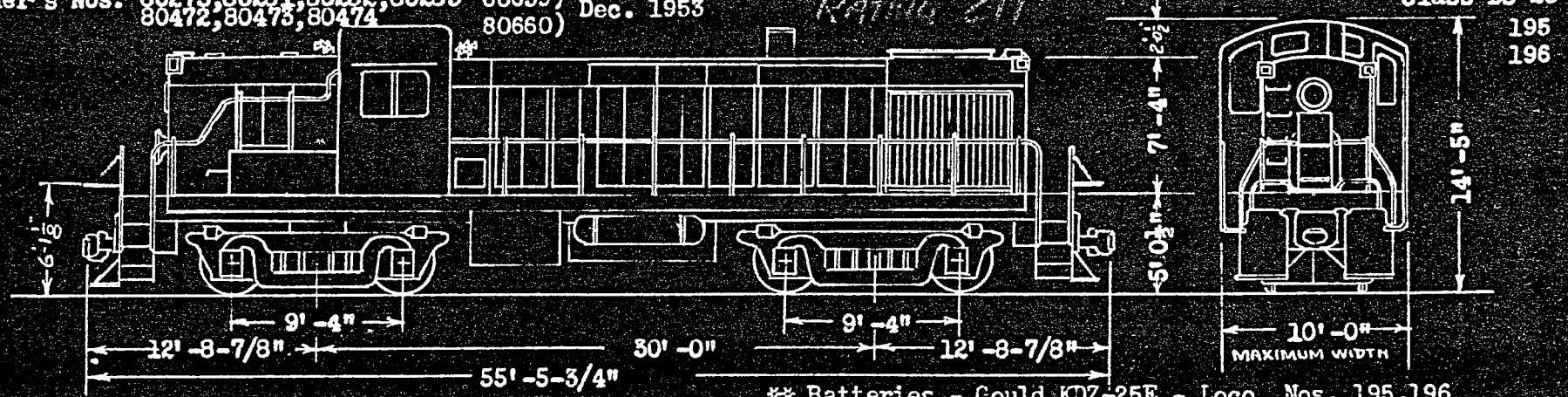


Built March 1953, American Locomotive Co.  
 Builder's Nos. 80275, 80281, 80282, 80283, 80659, 80660) Dec. 1953  
 80472, 80473, 80474

Diesel Electric Road Switching Locomotives No. 191  
 Class DS-23  
 Rating 211



GENERAL DATA - MU Connections - Front and Back

\*\* Batteries - Gould KDZ-25E - Loco. Nos. 195, 196  
 Dynamic Braking - 650 Amps. Max. 33000# @ 22 MPH

1. Weight - Working Order	250,000 lbs.	CAPACITY	
2. Horsepower	1600	28. Fuel Oil	1400 Gals. (1 Tank) Lubricating Oil 200 Gals.
3. Ratio of Gears	74-18	29. Cooling Water	250 Gallons Sand - 23 cu.ft.
4. Maximum Speed	65 M.P.H.	AIR BRAKE	
ENGINE		30. Schedule	24 RL W.A.B.Co.
5. Type-4 Cycle, V Type, Series 244D, Turbo Superch'd. Alco		31. Brake Power @ 50 lbs. cylinder pressure	177,700 lbs.
6. Cylinders - Bore and Stroke	12 - 9" dia. x 10 1/2"	32. Air Compressor	Westinghouse 3 CDB
7. Speed - Idling	350 R.P.M. At Rated H.P. 1000 R.P.M.	33. Air Compressor Capacity at full engine speed	306 CFM
8. Turbo Supercharger (95,196 Model RD-3) 185-191 Model G.E. RD 1		34. Reservoir Capacity	60,650 cu.in.
9. Governor	G.E. Type 17-MG6D1 Electro-Hydraulic	35. Feed Valve - D-24-B	Relayair Valve HA-24-C
ELECTRICAL		36. Deadman Control-Foot Pedal-Breakintwo Protection	Wabco
10. 1 - G.E. Main Generator Type 5GT581A1 Cont. Rat. 2170 Amps		37. Handbrake	Ajax
11. 1 - G.E. Aux. Generator Type 5GY-27A3 12 KW, 75 Volts DC		MISCELLANEOUS # 2 Leslie S5T - Loco. Nos. 195, 196	
12. 1 - G.E. Exciter Type 5-AM-808-A3 9KW, 100V, 2400 RPM		38. Fire Extinguishers	1 1/2 Qt. CTC in Cab, 2 - 30-lb. Ansul
13. 4 - G.E. Tract. Motors Type 5GE-752-E1, 1085 Amps. Cont. DC		39. Sanders	8 Graham-White Windshield Wipers - Serape
14. 1 - G.E. Radiator Fan Aphonic Type 5GDY32A1 75 Volts DC		40. Horns*	2 Nathan M5 Modulated, Bell Ringer Prime
15. 1 - G.E. Fuel Pump-Type 5BC76AB-286A, 1 H.P. 75 Volts DC		41. Speed Recorder	Barco DP, 0-60 M.P.H.
16. Control Equipment-GE Type P, Overspeed with Time Delay		42. Draft Gear	Miner A-22-XL
17. Multiple Control Cable	60 Inch Length, 27 Wires	43. Couplers	A.A.R. Type "E"
18. Batteries **	32 Cells, 64 Volt, Exide MV-25-D	TRUCKS	EQUIPPED WITH MAGNUS FLANGE OILER
19. Lighting Circuit	75 Volts	44. Type	4 Wheel, Swivel, Swing Motion Pedestal Type
20. Headlight - 2 Pyle-Nat. Twin-Sealed Beam 200 W, 30 V		45. Axles	6 1/2" x 12" Journals for Hyatt Roller Bearings
TRACTIVE POWER		46. Wheels	40" M.W. Rolled Steel
21. Starting at 25% Adhesion	62,500 lbs.	47. Brake Cylinders	8 - 10" dia. x 8" W.A.B.Co.
22. 10 M.P.H.	49,000 lbs.	48. Side Bearings	Plain Steel - Hardened
23. 15 M.P.H.	33,500 lbs.	LIMITING DIMENSIONS	
24. 20 M.P.H.	25,000 lbs.	49. Maximum Length Coupled	55' 5-3/4"
25. 25 M.P.H.	20,000 lbs.	50. Maximum Width	10' 0"
26. 30 M.P.H.	16,500 lbs.	51. Maximum Height	14' 5"
27. Continuous Rating	52,500 lbs. at 8.0 M.P.H.	52. Maximum degree of curvature	57 degrees-Coupled 30 deg.