

DECEMBER 1974

MP 176

DIESEL UNIT DATA BOOK

INCLUDING DIAGRAMS

SYSTEM

INCLUDES - CV.GTW.DW&P.GO - UNITS



Chief of Motive Power & Car Equipment
Montréal, Québec

Property of:

CLASS	UNIT NUMBER	LATEST ISSUE	CLASS	UNIT NUMBER	LATEST ISSUE	CLASS	UNIT NUMBER	LATEST ISSUE
ER-6-a	26-42	12/74	MR-10-a	1700-1704	12/74	GR-430-b	4012-4017	12/74
Booster	300-314	12/74	MR-10-b	1705-1710	12/74	GR-17-p	4100-4133	12/74
GR-9-b	Nfld. 800-805	12/74	MR-10-c	1711-1729	12/74	GR-17-x	GTW 4134-4139	12/74
GR-9-a	Nfld. 850-854	12/74	MR-10-d	1730-1734	12/74	GR-17-y	4147-4156	12/74
GR-12-a	Nfld. 900-902	12/74	MR-14-a	1800-1803	12/74	GR-17-n	4206-4227	12/74
GR-12-b	Nfld. 903-908	12/74	GRG-12-n	(1900-1903)	12/74	GR-17-q	4228-4244	12/74
GR-12-g	Nfld. 909-934	12/74	GR-12-n	(1904-1917)	12/74	GR-17-t	4245-4270	12/74
GR-12-p	Nfld. 935-937	12/74	MR-10-e	GTW 1950-1951	12/74	GR-17-u	4271-4339	12/74
GR-12-x	Nfld. 938-946	12/74	MF-30-a	2000-2001	12/74	GR-17-z	4340-4353	12/74
GR-12-zb	991-992	12/74	MF-30-b	2002-2043	12/74	GR-17-a	4400-4426	12/74
GR-12-m	1000-1028	12/74	MF-36-a	2300-2319	12/74	GR-17-b	GTW 4427-4441	12/74
GR-12-s	1029-1033	12/74	MF-36-b	2320-2339	12/74	GR-17-d	CV 4442-4450	12/74
GR-12-t	1034-1049	12/74	MR-20-a	2500-2529	12/74	GR-17-f	4451-4495	12/74
GR-12-w	1050-1067	12/74	MR-20-b	2530-2559	12/74	GR-17-g	4496-4501	12/74
GR-12-z	1068-1076	12/74	MR-18-e	3100-3129	12/74	GR-17-h	4502-4537	12/74
GR-12-d	1204-1221	12/74	MRE-18-g	(3150-52-54-55)	12/74	GR-17-j	GTW (4539-4540)	12/74
GR-12-f	1227-1247	12/74	MR-18-g	(3151 & 3153)	12/74		(4542-4546)	
GR-12-h	1248-1268	12/74	MR-24-a	3200-3201	12/74	GR-17-j	CV (4547-4551)	12/74
GR-12-k	1271-1288	12/74	MR-24-b	3202-3221	12/74	GR-16-j	GTW (4552-4557)	12/74
GR-12-l	1289-1304	12/74	MR-24-c	3222-3240	12/74	GR-17-j	CV 4558-4559	12/74
GR-12-r	1305-1337	12/74	MR-18-a	DWP 3600-3614	12/74	GR-17-m	4560-4587	12/74
GR-12-u	1338-1357	12/74	MR-18-b	3615-3670	12/74	GR-17-r	4588-4601	12/74
GR-12-y	1358-1397	12/74	MR-18-c	3671-3700	12/74	GR-18-a	GTW 4700-4707	12/74
GR-12-c	GTW 1500-1503	12/74	MR-18-d	3701-3745	12/74	GRG-17-c	GTW 4900-4901	12/74
GR-12-e	1504-1508	12/74	MR-18-f	3830-3849	12/74	GRG-17-e	CV 4902-4906	12/74
GR-12-j	CV 1509-1510	12/74	MR-18-g	3850-3893	12/74	GRG-17-k	GTW 4907-4922	12/74
GR-12-za	(CV 1511)	12/74	GR-25-a	4000-4001	12/74	GRG-17-k	CV 4923-4927	12/74
	(GTW 1512-1519)		GR-430-a	4002-4011	12/74	GRG-17-s	CV 4928-4929	12/74
			GR-418-a	4000-4011	02/82			

CLASS		UNIT NUMBER	LATEST ISSUE	CLASS		UNIT NUMBER	LATEST ISSUE	CLASS		UNIT NUMBER	LATEST ISSUE
GRG-17-w	GTW	4930-4933	12/74	MPA-18-b		6767-6793	12/74	MS-10-h		8078-8079	12/74
GRG-18-b	GTW	4950-4952	12/74	MPB-18-c		6858-6859	12/74	MS-10-j	(CV	8080-8081)	12/74
GF-30-c		5000-5007	12/74	MPB-18-a		6860-6866	12/74		(GTW	8082)	12/74
GF-30-d		5008-5075	12/74	MPB-18-b		6867-6871	12/74	MS-10-k	GTW	8083-8090	12/74
GF-30-e		5076-5087	12/74	GS-12-a		7000-7009	12/74	MS-10-a	GTW	8091-8121	12/74
GF-30-e		5088-5125	12/74	GS-12-b	GTW	7010-7014	12/74	MS-10-a		8122-8141	12/74
GF-30-h		5126-5175	12/74	GS-12-c	GTW	7015-7016	12/74	MS-10-b	GTW	8162	12/74
GF-30-k		5176-5225	12/74	GS-12-d	GTW	7017-7019	12/74	MS-10-l		8163-8195	12/74
GF-30-m		5226-5240	12/74	GS-12-e		7020-7030	12/74	MS-10-m	GTW	8196-8205	12/74
GF-30-n		5241-5261	Outstdg. 5/75	GS-12-f		7031-7033	12/74	MS-10-n		8206-8234	12/74
GF-30-p		5262-5278	Outstdg. 6/75	GS-12-g		7034-7035	12/74	MS-10-p		8235-8245	12/74
GR-20-b		5500-5560	12/74	GS-8-a		7150-7171	12/74	MS-7-a		8450-8460	12/74
GR-20-c		5561-5610	12/74	GS-8-b		7172-7183	12/74	MS-7-b		8463-8483	12/74
GR-30-f	GTW	5900-5911	12/74	GS-9-a		7200-7224	12/74	MS-7-c		8494-8498	12/74
GF-30-g	GTW	5912-5920	12/74	GS-9-b	GTW	7225-7232	12/74	MS-10-q		8500-8522	12/74
GF-30-j	GTW	5921-5929	12/74	GS-9-c		7233-7242	12/74	MS-10-r		8600-8625	12/74
GPA-17-a		6500-6512	12/74	GS-9-d		7243-7252	12/74	GFA-17-a		9150-9179	12/74
GPA-17-b		6513	12/74	GS-9-e	GTW	7262-7268	12/74	GFB-17-a		9190-9199	12/74
GPA-17-c		6514-6522	12/74	GS-9-d		7600-7608	12/74	GF-430-a		9400-9490	12/74
GPA-17-d		6523-6532	12/74	GS-10-a	GTW	7900-7814	12/74	GF-430-b		9491-9530	12/74
GPA-17-e		6533-6542	12/74	GS-10-a		(7936-7945)	12/74	GF-430-c		9531-9632	2/75
GPB-17-a		6600-6612	12/74	GS-10-a		(7956-7965)	12/74	GRE-430-a	GO	9800-9807	12/74
GPB-17-b		6613	12/74		GTW	7966-7974	12/74	GR-430-a	GO	9808-9811	12/74
GPB-17-c		6614-6620	12/74	MS-10-c		8016-8025	12/74	GR-430-d	GO	9812-9814	12/74
GPB-17-d		6621-6630	12/74	MS-10-d	GTW	8027	12/74	A.P.C.U.	GO	9858-9862	12/74
GPB-17-e		6631-6637	12/74	MS-10-e		8028-8033	12/74	<i>GS-418a</i>		<i>7000-7013</i>	<i>06/85</i>
MPA-18-c		6758-6759	12/74	MS-10-f	GTW	8034-8035	12/74				
MPA-18-a		6760-6766	12/74	MS-10-g		8036-8077	12/74				

*400-405
12/79*

MECHANICAL DEPARTMENT

DIESEL UNIT DATA BOOK

ER 6 a

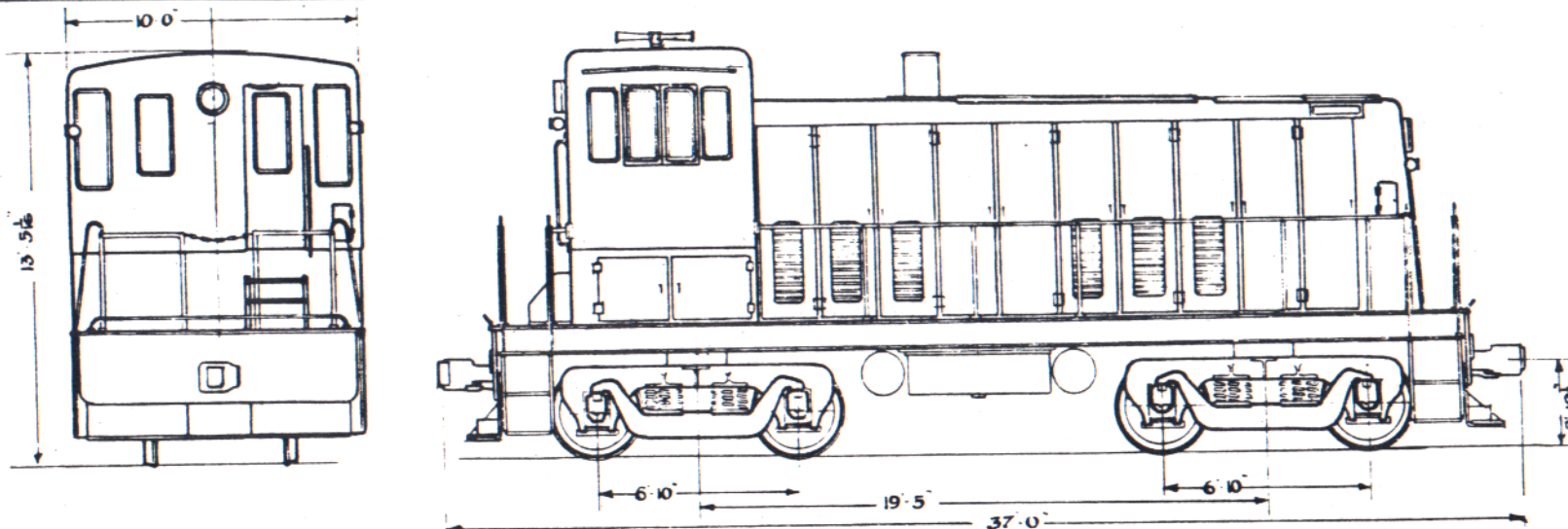
26-42

CLASS

NUMBERS

DIESEL ENGINE: 600 H.P.
Cooper-Bessemer - FWL-6T
6 Cylinder, 9" Bore, 10½" Stroke
1000 R.P.M. full speed
350 R.P.M. Idling "

WEIGHT	TOTAL	BUILDER	G.E.
		ORDER N ^o	93297-TA
LIGHT		MODEL N ^o	70 Ton
LOADED	140,000	DATE BUILT	1950



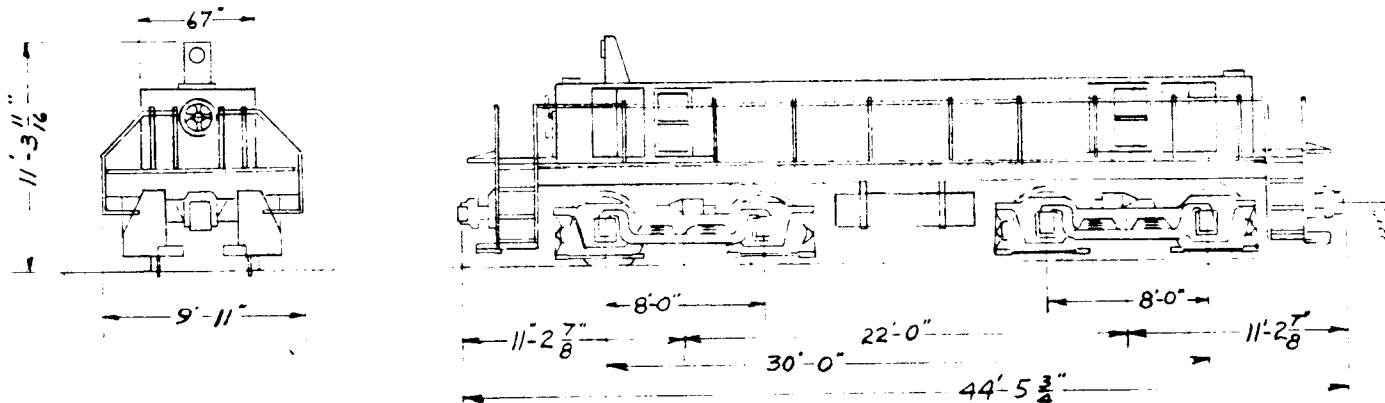
RETIRED
26, 27, 28,
29, 31, 32,
33, 34, 36,
37, 38, 39,
42

CAPACITIES		WHEELS: TYPE & CLASS	STEAM GENERATOR	ELECTRICAL EQUIPMENT	
ENG. COOLING WATER	83 IMP. GAL.	F-36 "C"	None	TRACTION MOTORS	AUXILIARY GEN: TYPE & N ^o
LUBRICATING OIL	104 IMP. GAL.	JOURNALS: TYPE & SIZE	AIR COMPRESSOR	G.E. 748B1	G.E.
FUEL OIL	416 IMP. GAL.	Friction 5½" x 10"	Westinghouse 4 Z B Belt Driven	4 Motors	G.M.G. - 146B1
SAND STORAGE	12 CU. FT.	TRUCKS	COOLING FANS	T.M. BLOWER MOTORS	Exciter TYPE & N ^o
STEAM GEN. WATER	- IMP. GAL.	Cast Frame	One Belt Driven		G.E. - GMG 146B1
OPERATING FEATURES			AIR BRAKE	MAIN GENERATOR	M.U. CONTROL
MAX. SPEED	55 M.P.H.		Westinghouse 14 EL	G.E.: GT-571C1	Yes
GEAR RATIO	105-15				DYNAMIC BRAKE
T.E. STARTING					No
T.E. CONTINUOUS	23000 lbs.				
OPER. CURVE ALONE: 760	COUPLED:				

Fully Automatic Transition	Speed Indicator	Air Signal Line	Elect. Pneumatic & Auto-Sanding Feature.	Combination Pilot & Footboard	Steam Generator Remote Control Panel Excluding Unit 35
					Auxiliary Generator Trainline. Unit 35 Only.
Snowplow Elect. Connection					

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DIESEL ENGINE :	WEIGHT DISTRIBUTION						BUILDER	C.P.R.
	FR. MIN	REAR MIN.	TOTAL	FR. MAX.	REAR MAX.	TOTAL	ORDER N ^o	
	LIGHT						MODEL N ^o	
	LOADED					247,000	DATE BUILT 1964,5,6	



CAPACITIES		WHEELS : TYPE & CLASS A-40 "0"	STEAM GENERATOR -	ELECTRICAL EQUIPMENT	
ENG. COOLING WATER	- IMP. GAL.			JOURNALS: TYPE & SIZE Friction 6 1/2" x 12"	AIR COMPRESSOR -
LUBRICATING OIL	- IMP. GAL.	TRUCKS AAR Type A Cast Frame	COOLING FANS -	T.M. BLOWER MOTORS Two G.E. GY-29	ALTERNATOR: TYPE & N ^o -
FUEL OIL	- IMP. GAL.			MAIN GENERATOR -	M.U. CONTROL Yes
SAND STORAGE	26 CU. FT.	OPERATING FEATURES	AIR BRAKE Westinghouse J-1 Relay (Operative in M.U.)	DYNAMIC BRAKE -	
STEAM GEN. WATER	- IMP. GAL.				
MAX. SPEED	40 M.P.H.				
GEAR RATIO	75 : 16				
T.E. STARTING					
T.E. CONTINUOUS	36,000 lbs				
OPER. CURVE ALONE: 115°	COUPLED:				

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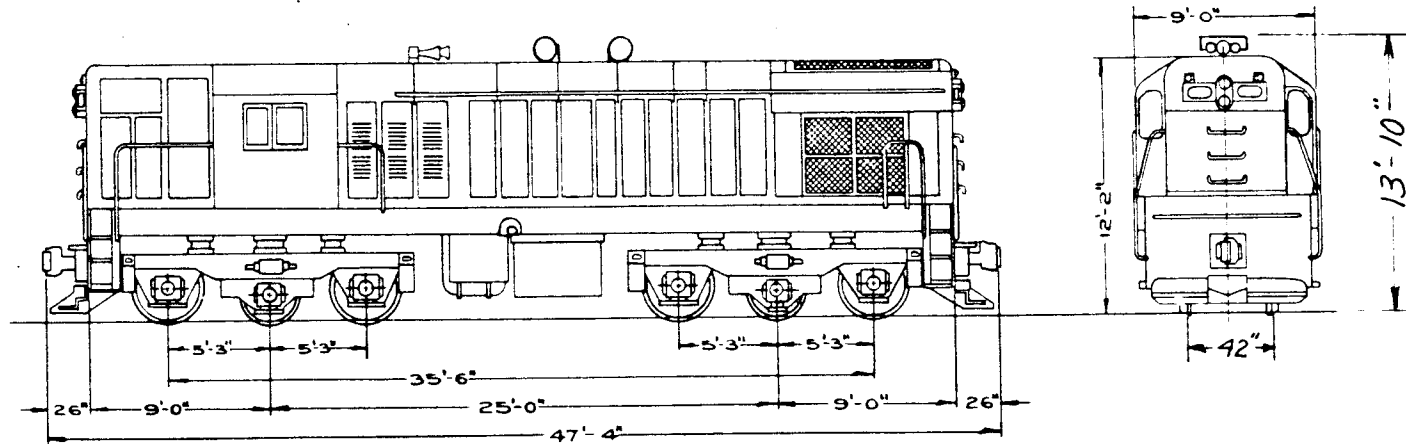
MECHANICAL DEPARTMENT

DIESEL UNIT DATA BOOK

NFLD 800 70
 GR-9b CLASS 805 NUMBERS

DIESEL ENGINE: 875 H.P.
 G.M. - 567-C - "V" type
 8 cylinder, 8 1/2" bore, 10" stroke
 835 R.P.M. Full Speed
 275 R.P.M. Idling "

WEIGHT		DISTRIBUTION			BUILDER	G.M.
FR. MIN	REAR MIN.	TOTAL	FR. MAX.	REAR MAX.	ORDER N°	C-208
LIGHT					MODEL N°	G-8
LOADED				166,000	DATE BUILT	1956



RETIRED

CAPACITIES		WHEELS: TYPE & CLASS		STEAM GENERATOR		ELECTRICAL EQUIPMENT	
ENG. COOLING WATER	186 IMP. GAL.	Drivers	A-40 "B"	None		TRACTION MOTORS	AUXILIARY GEN: TYPE & N°
LUBRICATING OIL	137 IMP. GAL.	Idlers	A-30 "B"	AIR COMPRESSOR		FOUR - G.M. D-19	G.M. A-8102-A1 18 K.W.
FUEL OIL	667 IMP. GAL.	JOURNALS: TYPE & SIZE		Gardner Denver			ALTERNATOR: TYPE & N°
SAND STORAGE	12 CU. FT.	Hyatt 5 1/2" x 10"		WXO- Direct Drive		T.M. BLOWER	
STEAM GEN. WATER	IMP. GAL.	TRUCKS		COOLING FANS		Two Mechanical Drive	M.U. CONTROL
OPERATING FEATURES		3 Axle 2 Motor Flexicoil		One Mechanical Drive (with air clutch)		MAIN GENERATOR	DYNAMIC BRAKE
MAX. SPEED	60 M.P.H.			AIR BRAKE		G.M. D-15-B	Yes
GEAR RATIO	62 - 14			Westinghouse 6 SL			No
T.E. STARTING							
T.E. CONTINUOUS	17000						
OPER. CURVE ALONE: 30°	COUPLED:						

DEC 31 1974

Speed Recorder - Indicator	Steam Generator Remote Control Panel	Auxiliary Generator Trainline	Air Signal Line	Combination Pilot & Footboard
Snowplow Elect. Connection				

MECHANICAL DEPARTMENT

DIESEL UNIT DATA BOOK

GR-9a

850 to

854

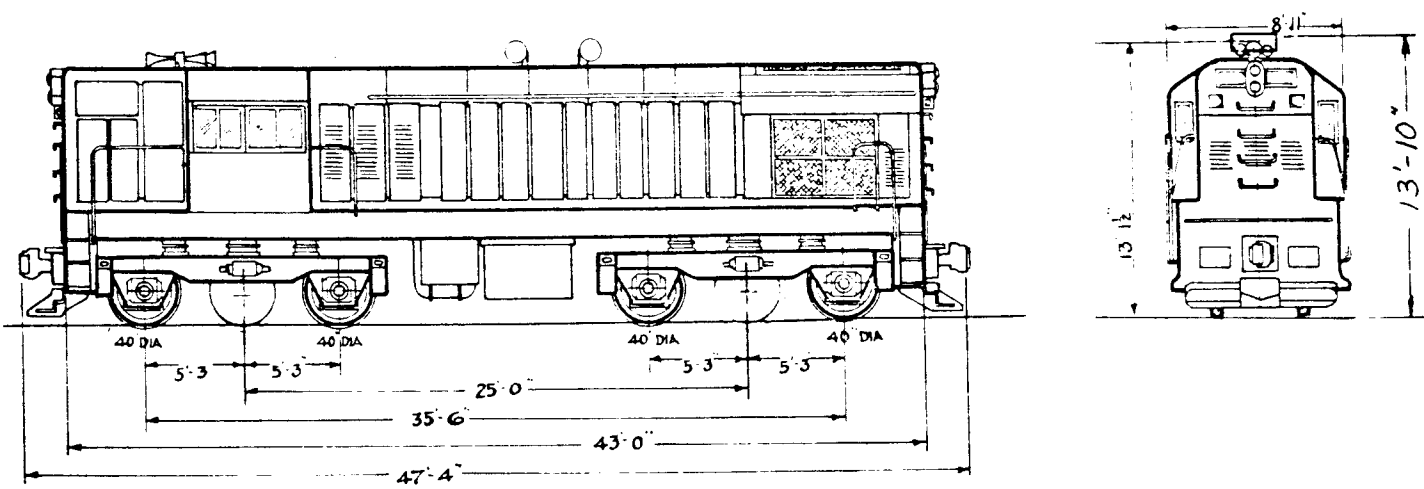
CLASS

NUMBERS

DIESEL ENGINE: 875 H.P.
 G.M. - 5670 V-type
 8 cylinder, 8 1/2" Bore, 10" Stroke
 835 R.P.M. Full speed
 275 R.P.M. Idling "

WEIGHT		DISTRIBUTION				
FR. MIN	REAR MIN.	TOTAL	FR. MAX	REAR MAX	TOTAL	
LIGHT						
LOADED					171,000	

BUILDER	G.M.
ORDER N ^o	C-180
MODEL N ^o	G-8
DATE BUILT	1954



RETIRED
 850
 851
 852
 853

CAPACITIES		WHEELS: TYPE & CLASS		STEAM GENERATOR	ELECTRICAL EQUIPMENT	
ENG. COOLING WATER	150 IMP. GAL.	A-40	"C"	None	TRACTION MOTORS	AUXILIARY GEN: TYPE & N ^o
LUBRICATING OIL	108 IMP. GAL.	JOURNALS: TYPE & SIZE		AIR COMPRESSOR	E.M.D. D-37	Delco
FUEL OIL	625 IMP. GAL.	Hyatt 5 1/2" x 10"		Gardner Denver	4 Motors	A.8 102-A1 - 18 KW
SAND STORAGE	14 CU. FT.	TRUCKS		WYO - Direct Drive	T.M. BLOWER	ALTERNATOR: TYPE & N ^o
STEAM GEN. WATER	IMP. GAL.	Flexicoil		COOLING FANS	Two Mechanical Drive	None
OPERATING FEATURES				One Mechanical Drive (with air clutch)	MAIN GENERATOR	M.U. CONTROL
MAX. SPEED	65 M.P.H.			AIR BRAKE	E.M.D. D-15	Yes
GEAR RATIO	62:15			Westinghouse 6 SL		DYNAMIC BRAKE
T.E. STARTING	42,660					No
T.E. CONTINUOUS	32,000					
OPER. CURVE ALONE: 23°	COUPLED:					

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Hump Control	Speed Recorder - Indicator	Air Signal Line	Standby Heater	Combination Pilot & Footboard
Snowplow Elect. Connection				

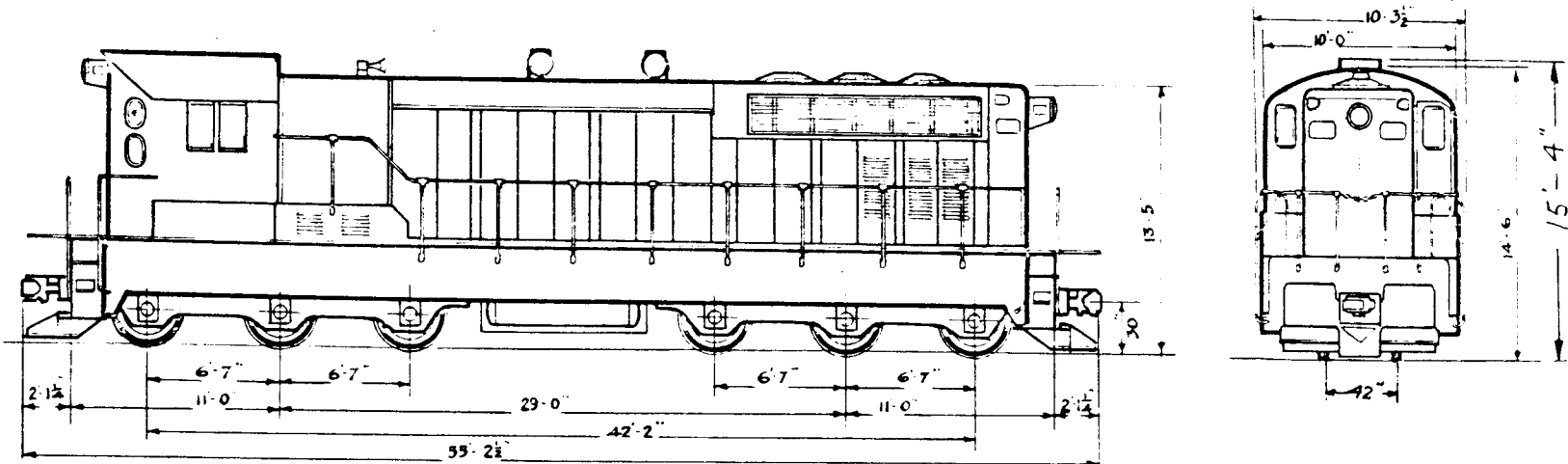
MECHANICAL DEPARTMENT

DIESEL UNIT DATA BOOK

NFLD 900
 GR-12a TO 902
 CLASS NUMBERS

DIESEL ENGINE: 1200 H.P.
 G.M. 567 V-type
 12 cylinder, 8½" Bore, 10" Stroke
 800 R.P.M. Full speed
 275 R.P.M. Idling "

		WEIGHT			DISTRIBUTION			BUILDER	G.M.
		FR. MIN	REAR MIN.	TOTAL	FR. MAX	REAR MAX.	TOTAL	ORDER N ^o	C-131
LIGHT								MODEL N ^o	NP-110
LOADED							221,000	DATE BUILT	1952



CAPACITIES		WHEELS: TYPE & CLASS	STEAM GENERATOR	ELECTRICAL EQUIPMENT	
ENG. COOLING WATER	182 IMP. GAL.	D-40 "B"	None	TRACTION MOTORS	AUXILIARY GEN: TYPE & N ^o
LUBRICATING OIL	138 IMP. GAL.	JOURNALS: TYPE & SIZE	AIR COMPRESSOR	D-19	Deleo 18 K.W.
FUEL OIL	600 IMP. GAL.	Hyatt 5½" x 10"	Gardner Denver	6 Motors	ALTERNATOR: TYPE & N ^o
SAND STORAGE	25 CU. FT.	TRUCKS	WBO - direct drive	T.M. BLOWER MOTORS	EMD D-16
STEAM GEN. WATER	- IMP. GAL.	3 Axle 3 Motor Flexicoil	COOLING FANS	Reliance	M.U. CONTROL
OPERATING FEATURES			Three Deleo Motor Driven	6½ H.P. 3 PH	Yes
MAX. SPEED	60 M.P.H.		AIR BRAKE	MAIN GENERATOR	DYNAMIC BRAKE
GEAR RATIO	63 - 14		Westinghouse 6 SL	EMD D-15B	No
T.E. STARTING					
T.E. CONTINUOUS	40,000 lbs.				
OPER. CURVE ALONE: 25°	COUPLED:				

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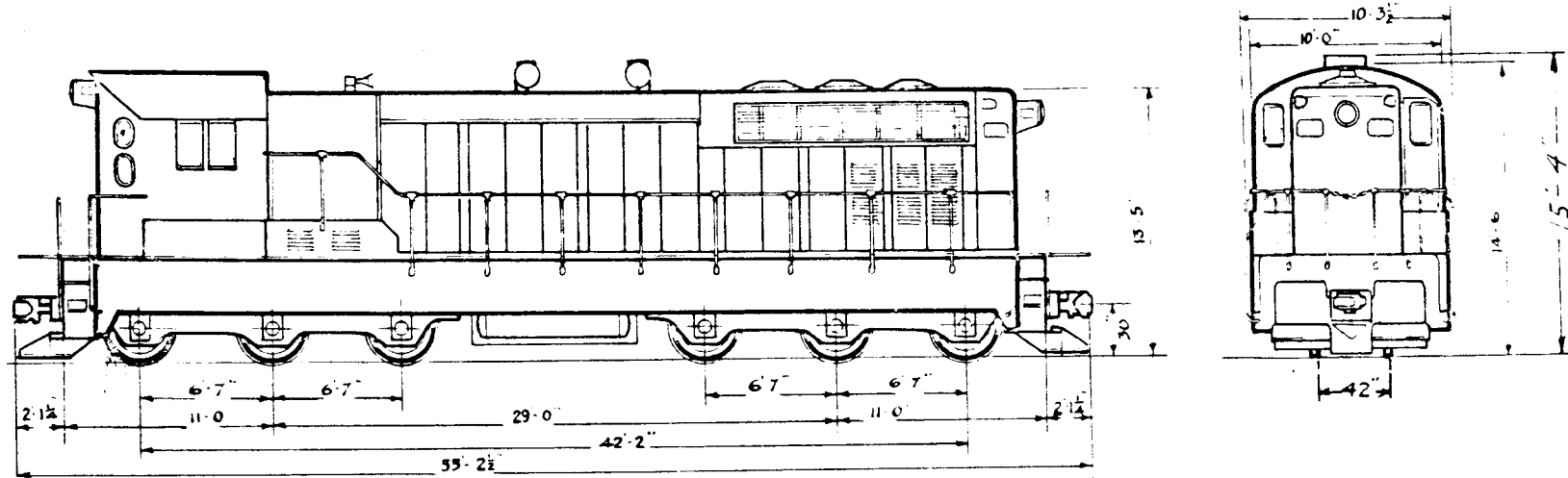
Speed Recorder - Indicator	Steam Generator Remote Control Panel	Auxiliary Generator Trainline	Air Signal Line	Combination Pilot & Footboard	
Snowplow Elect. Connection					

MECHANICAL DEPARTMENT

DIESEL UNIT DATA BOOK

NFLD903
GR-12b 70 908
CLASS NUMBERS

DIESEL ENGINE: 1200 H.P. G.M. 567 "V" type 12 cylinder, 3 1/2" bore, 10" stroke 800 R.P.M. Full speed 275 R.P.M. Idling "	WEIGHT DISTRIBUTION						BUILDER	G.M.	
		FR. MIN	REAR MIN.	TOTAL	FR. MAX.	REAR MAX.	TOTAL	ORDER N°	C-153
	LIGHT							MODEL N°	MF-110
	LOADED						222,000	DATE BUILT	1953



CAPACITIES		WHEELS: TYPE & CLASS	STEAM GENERATOR	ELECTRICAL EQUIPMENT	
ENG. COOLING WATER	182 IMP. GAL.	D-40 "B"	None	TRACTION MOTORS	AUXILIARY GEN: TYPE & N°
LUBRICATING OIL	138 IMP. GAL.	JOURNALS: TYPE & SIZE	AIR COMPRESSOR	D-19	Delco
FUEL OIL	600 IMP. GAL.	Hyatt 5 1/2" x 10"	Gardner Denver	6 Motors	18 K.W.
SAND STORAGE	25 CU. FT.	TRUCKS	WBO - Direct Drive	T.M. BLOWER MOTORS	ALTERNATOR: TYPE & N°
STEAM GEN. WATER	IMP. GAL.	3 Axle 3 Motor	COOLING FANS	Reliance	EMD D-16
OPERATING FEATURES		Flexicoil	Three Delco	6 1/2 H.P. 3 PH	M.U. CONTROL
MAX. SPEED	60 M.P.H.		Motor Driven	MAIN GENERATOR	Yes
GEAR RATIO	63 - 14		AIR BRAKE	E.M.D. D-15-b	DYNAMIC BRAKE
T.E. STARTING			Westinghouse 6 SL		No
T.E. CONTINUOUS	40,000				
OPER. CURVE ALONE: 23°	COUPLED:				

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Speed Recorder - Indicator	Steam Generator Remote Control Panel	Auxiliary Generator Trainline	Air Signal Line	Combination Pilot & Footboard	
Snowplow Electrical Connection					

MECHANICAL DEPARTMENT

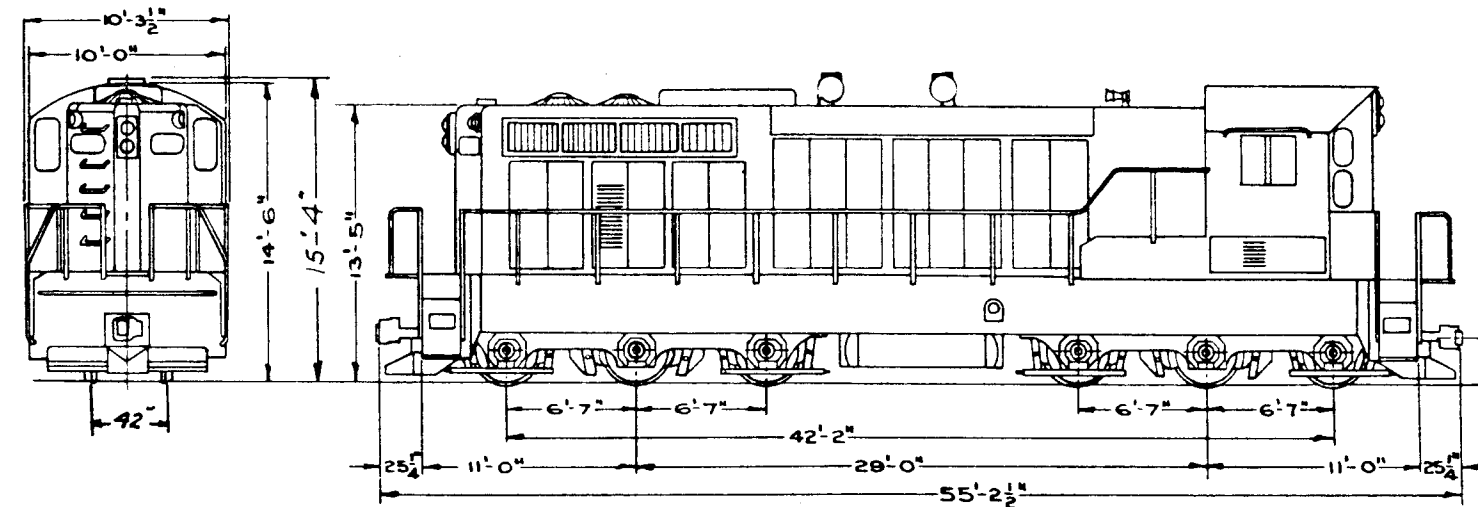
DIESEL UNIT DATA BOOK

NFLD. 909
 TO 934
 GR-12, CLASS NUMBERS

DIESEL ENGINE: 1200 H.P.
 G.M. 567-C V-type
 12 cylinder, 8 1/2" bore, 10" stroke
 800 R.P.M. Full speed
 275 R.P.M. Idling "

WEIGHT DISTRIBUTION		BUILDER	G.M.
FR. MIN	REAR MIN.	TOTAL	FR. MAX.
		226,000	

ORDER N ^o	C-207
MODEL N ^o	MF-210
DATE BUILT	1956



RETIRED
 912
 920

CAPACITIES	
ENG. COOLING WATER	185 IMP GAL.
LUBRICATING OIL	137 IMP GAL.
FUEL OIL	900 IMP GAL.
SAND STORAGE	25 CU. FT.
STEAM GEN. WATER	IMP GAL.

WHEELS: TYPE & CLASS	D-40 "B"
JOURNALS: TYPE & SIZE	Hyatt 5 1/2" x 10"
TRUCKS	3 Axle 3 Motor Flexicoil

STEAM GENERATOR	None
AIR COMPRESSOR	Gardner Denver WBO
COOLING FANS	Three Tamper A.C.
AIR BRAKE	Westinghouse 6-SL

ELECTRICAL EQUIPMENT	
TRACTION MOTORS	Six - G.M. D-19
T.M. BLOWER MOTORS	Two Reliance A.C.
MAIN GENERATOR	G.M. D-15-B

OPERATING FEATURES	
MAX. SPEED	60 MPH
GEAR RATIO	63 : 14
T.E. STARTING	
T.E. CONTINUOUS	40,000 lbs.
OPER. CURVE ALONE	23
COUPLED:	

AUXILIARY GEN: TYPE & N ^o	G.M. A-8102-A1 18 KW.
ALTERNATOR: TYPE & N ^o	G.M. D-16
M.U. CONTROL	Yes
DYNAMIC BRAKE	No

OPER. CURVE ALONE	23
COUPLED:	

DEC 31 1974

Speed Recorder - Indicator	Steam Generator Remote Control Panel	Auxiliary Generator Trainline	Air Signal Line	Combination Pilot & Footboard
Snowplow Elect. Connection				

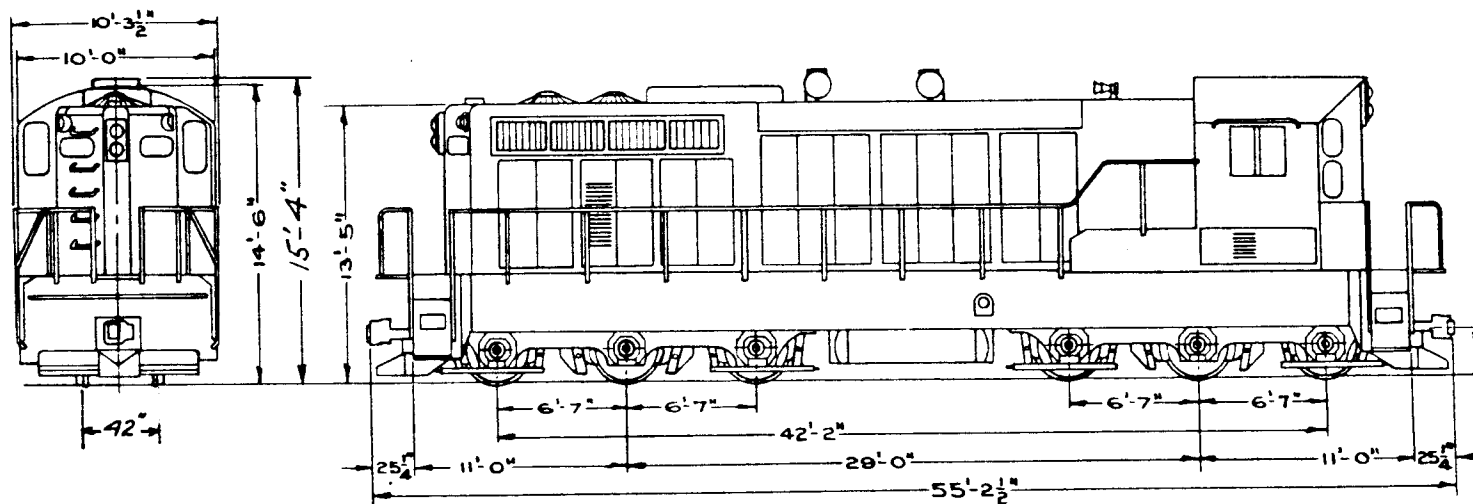
MECHANICAL DEPARTMENT

DIESEL UNIT DATA BOOK

NFLD 935
To 937
GR-12 P CLASS NUMBERS

DIESEL ENGINE : 1200 H.P.
G.M. 567-C V-type
12 cylinder, 8½" bore, 10" stroke
800 R.P.M. Full speed
275 R.P.M. Idling "

WEIGHT DISTRIBUTION						BUILDER	G.M.
	FR. MIN	REAR MIN.	TOTAL	FR. MAX.	REAR MAX.	ORDER N ^o	C-246
LIGHT						MODEL N ^o	HP-210
LOADED						DATE BUILT	1958



CAPACITIES		WHEELS : TYPE & CLASS	STEAM GENERATOR	ELECTRICAL EQUIPMENT	
ENG. COOLING WATER	185 IMP. GAL.	D-40 "B"	None	TRACTION MOTORS	AUXILIARY GEN: TYPE & N ^o G.M. A-8102-A1 18 K.W.
LUBRICATING OIL	137 IMP. GAL.	JOURNALS: TYPE & SIZE	AIR COMPRESSOR	Six G.M. D-19	ALTERNATOR : TYPE & N ^o G.M. D-16
FUEL OIL	900 IMP. GAL.	Hyatt 5½" x 10"	Gardner Denver W80	T.M. BLOWER MOTORS	M.U. CONTROL Yes
SAND STORAGE	25 CU. FT.	TRUCKS	COOLING FANS	Two Reliance	DYNAMIC BRAKE No
STEAM GEN. WATER	- IMP. GAL.	3 Axle 3 Motor Flexicoil	Three - Tamper	MAIN GENERATOR	
OPERATING FEATURES			AIR BRAKE	G.M. D-15-B	
MAX. SPEED	80 M.P.H.		Westinghouse 6-SL		
GEAR RATIO	63 : 14				
T.E. STARTING					
T.E. CONTINUOUS	40,000 lbs				
OPER. CURVE ALONE: 23°	COUPLED:				

DEC 31 1974

Speed recorder - Indicator	Steam Generator Remote Control Panel	Auxiliary Generator Trainline	Air Signal Line	Combination Pilot & Footboard	
Snowplow Elect. Connection					

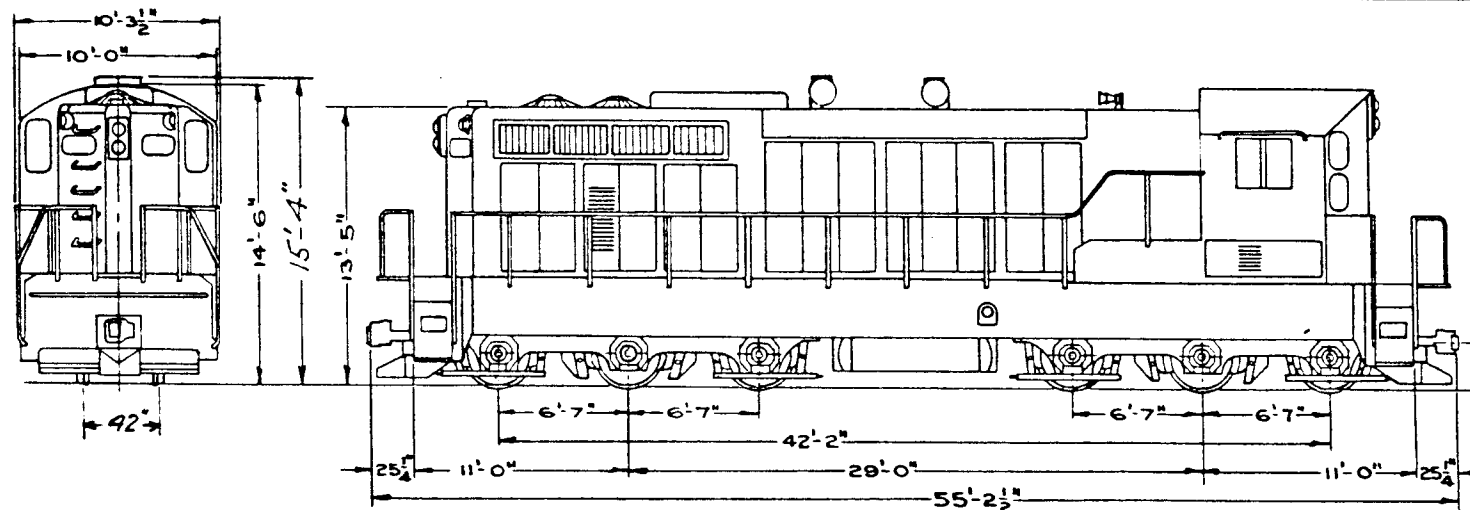
MECHANICAL DEPARTMENT

DIESEL UNIT DATA BOOK

GR-12x **NFLD.**
CLASS NUMBERS **938 to 946**

DIESEL ENGINE: 1200 H.P.
G.M. 567-C V - Type
12 Cylinders - 8 1/2" Bore, 10" Stroke
800 R.P.M. Full Speed
275 R.P.M. Idling Speed

	WEIGHT			DISTRIBUTION			BUILDER	G. M.
	FR. MIN	REAR MIN.	TOTAL	FR. MAX.	REAR MAX.	TOTAL	ORDER N ^o	C-271
LIGHT							MODEL N ^o	NF-210
LOADED						227,000	DATE BUILT	1960



CAPACITIES			WHEELS: TYPE & CLASS	STEAM GENERATOR	ELECTRICAL EQUIPMENT	
ENG. COOLING WATER	185	IMP. GAL.	D-40 "B"	None	TRACTION MOTORS	AUXILIARY GEN: TYPE & N ^o
LUBRICATING OIL	137	IMP. GAL.			Six - G.M. D-29	G.M. A-8102 - A1 18 kw
FUEL OIL	900	IMP. GAL.	JOURNALS: TYPE & SIZE	AIR COMPRESSOR	T.M. BLOWER MOTORS	ALTERNATOR: TYPE & N ^o
SAND STORAGE	25	CU. FT.	Hyatt 5 1/2" x 10"	Gardner Denver WBO	Two Tamper	G.M. D-16
STEAM GEN. WATER	---	IMP. GAL.				M.U. CONTROL
OPERATING FEATURES			TRUCKS	COOLING FANS	MAIN GENERATOR	DYNAMIC BRAKE
MAX. SPEED	60	M.P.H.	3 Axle 3 Motor Flexicoil	Three - Tamper	G.M. D-15-B	No
GEAR RATIO	63:11					
T.E. STARTING				AIR BRAKE		
T.E. CONTINUOUS	40,000 lbs			Westinghouse 6 SL		
OPER. CURVE ALONE:	COUPLED: 23°					

DEC 31 1974

Speed Recorder - Indicator	Steam Generator remote Control Panel	Auxiliary Generator Trainline	Air Signal Line	Combination Pilot & Footboard	
Snowplow Elect. Connection					

MECHANICAL DEPARTMENT

DIESEL UNIT DATA BOOK

GR 12 zb

991-992

CLASS

NUMBERS

DIESEL ENGINE : 1310 H.P.
G.M. 567-C 2 Cycle
12 Cylinder 8½" Bore 10" Stroke

Unit 991 was L. & P.S. L-4 built in 1955

Unit 992 was L. & P.S. L-5 built in 1957

WEIGHT

TOTAL

LIGHT

LOADED

162,000

BUILDER

ORDER N^o

MODEL N^o

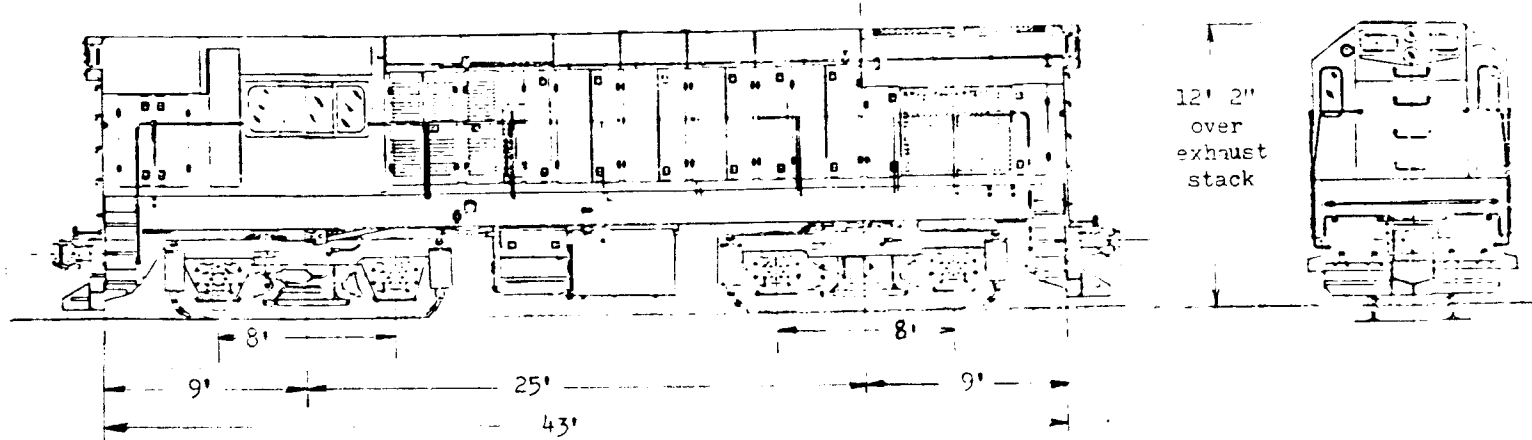
DATE BUILT

G.M.

C-236

G-12

RETIRED



CAPACITIES		WHEELS : TYPE & CLASS	STEAM GENERATOR	ELECTRICAL EQUIPMENT	
ENG. COOLING WATER	175 IMP. GAL.	A-40 "C"	None	TRACTION MOTORS	AUXILIARY GEN: TYPE & N ^o
LUBRICATING OIL	135 IMP. GAL.	JOURNALS: TYPE & SIZE	AIR COMPRESSOR	Four - GM D-19	10 KW
FUEL OIL	625 IMP. GAL.	Hyatt 5½" x 10"	Gardner-Denver WX0	T.M. BLOWER MOTORS	ALTERNATOR : TYPE & N ^o
SAND STORAGE	12 CU. FT.	TRUCKS	COOLING FANS	Two Mechanical	M.U. CONTROL
STEAM GEN. WATER	IMP. GAL.	Flexicoil	One Mechanical Drive (Air Clutch)	MAIN GENERATOR	No
OPERATING FEATURES			AIR BRAKE	G.M. D-12-F	DYNAMIC BRAKE
MAX. SPEED	60 M.P.H.		Westinghouse 6 SL		No
GEAR RATIO	63 : 14				
T.E. STARTING					
T.E. CONTINUOUS	28,000				
OPER. CURVE ALONE:	30 ^o				
COUPLED:					

DEC 31 1974

Fully Automatic Transition	Speed Recorder - Indicator	Elect. pneumatic & Auto-Sanding Feature	Combination Pilot & Footboard	

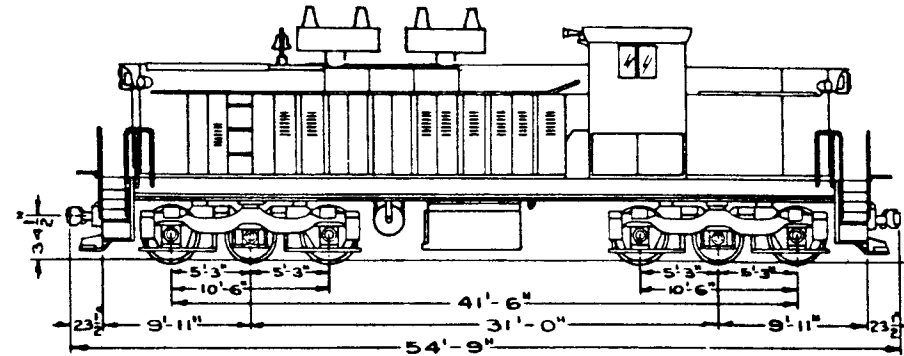
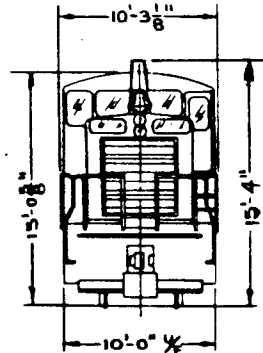
MECHANICAL DEPARTMENT

DIESEL UNIT DATA BOOK

GR-12_m To 1000
CLASS NUMBERS
1028

DIESEL ENGINE: 1200 H.P.
G.M. 567-C V-type
12 cylinder, 8 $\frac{1}{2}$ " bore, 10" stroke
800 R.P.M. full speed
275 R.P.M. Idling "

	WEIGHT			DISTRIBUTION			BUILDER	G.M.
	FR. MIN	REAR MIN.	TOTAL	FR. MAX.	REAR MAX.	TOTAL	ORDER N ^o	C-244
LIGHT							MODEL N ^o	GMD-1
LOADED						239,000	DATE BUILT	1958



CAPACITIES		WHEELS : TYPE & CLASS	STEAM GENERATOR	ELECTRICAL EQUIPMENT
ENG. COOLING WATER	185 IMP. GAL.	Drivers A-40 "C" Idlers 33" dia. "C"	None	TRACTION MOTORS G.M. D-47B 4 Motors
LUBRICATING OIL	137 IMP. GAL.	JOURNALS: TYPE & SIZE Hyatt 6 $\frac{1}{2}$ " x 12"	AIR COMPRESSOR Gardner Denver WBO	AUXILIARY GEN: TYPE & N ^o G.M. A-8102-A1 18 K.W.
FUEL OIL	1000 IMP. GAL.			ALTERNATOR : TYPE & N ^o None
SAND STORAGE	16 CU. FT.	TRUCKS Flexicoil	COOLING FANS One Mechanical Drive	M.U. CONTROL Yes
STEAM GEN. WATER	- IMP. GAL.			AIR BRAKE Westinghouse 6-SL
OPERATING FEATURES				
MAX. SPEED	65 M.P.H.			
GEAR RATIO	62 : 15			
T.E. STARTING				
T.E. CONTINUOUS	30,000 lbs.			
OPER. CURVE ALONE	390			
COUPLED	210			

DEC 31 1974

Auto Up-Manual Down Transition	Auto Transition with Forestalling Features	Four-Speed Solenoid Governor Control	Speed Recorder - Indicator	Steam Generator Remote Control Panel	Snowplow Electrical Connection
Auxiliary Generator Trainline	Air Signal Line	Seal Beam HL with Trainline Control	Elect. Pneumatic & Auto-Sanding Feature	Combination Pilot and Footboard	Standby Heater Units 1013 to 1015 Only.

MECHANICAL DEPARTMENT

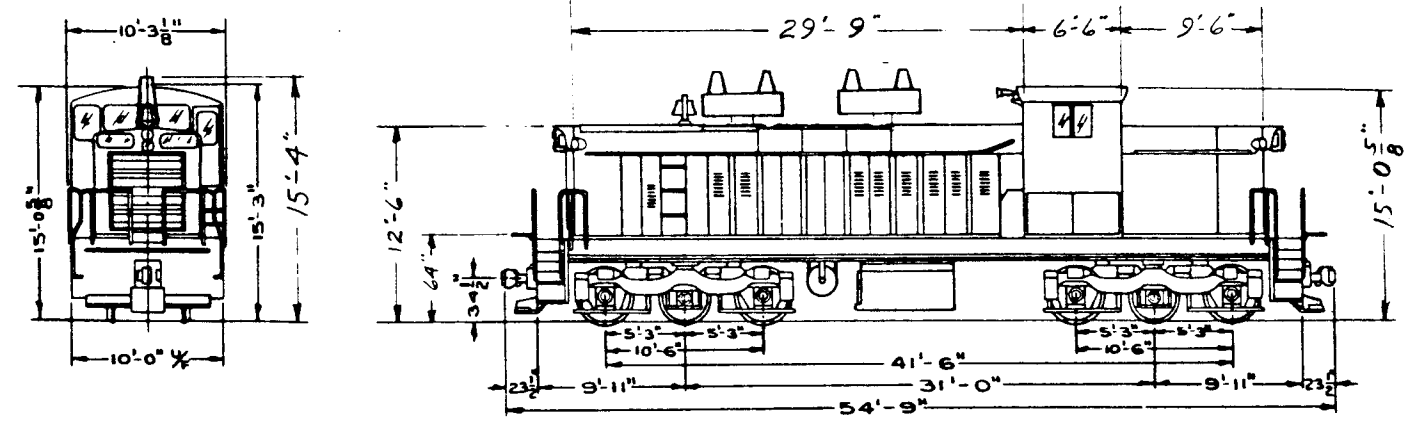
DIESEL UNIT DATA BOOK

GR-12s CLASS 1029
1033 NUMBERS

DIESEL ENGINE: 1200 H.P.
G.M. 567-C V-type
12 cylinder, 8 1/2" bore, 10" Stroke,
800 R.P.M. Full speed
275 R.P.M. Idling "

WEIGHT		DISTRIBUTION					
		FR. MIN	REAR MIN	TOTAL	FR. MAX	REAR MAX	TOTAL
LIGHT							
LOADED							238,000

BUILDER G.M.D.
ORDER N^o C-255
MODEL N^o GMD-1
DATE BUILT 1959



CAPACITIES		WHEELS: TYPE & CLASS	STEAM GENERATOR	ELECTRICAL EQUIPMENT
ENG. COOLING WATER	185 IMP. GAL.	Drivers A-40 "C"	None	TRACTION MOTORS
LUBRICATING OIL	137 IMP. GAL.	Idlers 33" dia. "C"		Four G.M. D-47-B
FUEL OIL	1000 IMP. GAL.	JOURNALS: TYPE & SIZE	AIR COMPRESSOR	AUXILIARY GEN: TYPE & N ^o
SAND STORAGE	15 CU. FT.	Hyatt 6 1/2" x 12"	Gardner Denver WBO	G.M. A-8102-A1
STEAM GEN. WATER	- IMP. GAL.	TRUCKS	COOLING FANS	18 K.W.
		Flexicoil	One Mechanical Drive	ALTERNATOR: TYPE & N ^o
			AIR BRAKE	None
OPERATING FEATURES			Westinghouse 6-SL	M.U. CONTROL
MAX. SPEED	- 65 M.P.H.			Yes
GEAR RATIO	62 : 15			DYNAMIC BRAKE
T.E. STARTING				No
T.E. CONTINUOUS	30,000 lbs.			
OPER. CURVE ALONE: 39°	COUPLED: 21°			

DEC 31 1974

Auto Up-Down Transition	Auto Transition with Forestalling Feature	Four-Speed Solenoid Governor Control	Speed Recorder - Indicator	Steam Generator Remote Control Panel
Air Signal Line	Seal beam HL with Trainline Control	Elect. Pneumatic & Auto-Sanding Feature	Combination Pilot & Footboard	Snowplow Electrical Connection

MECHANICAL DEPARTMENT

DIESEL UNIT DATA BOOK

GR12t

1034-1049

CLASS

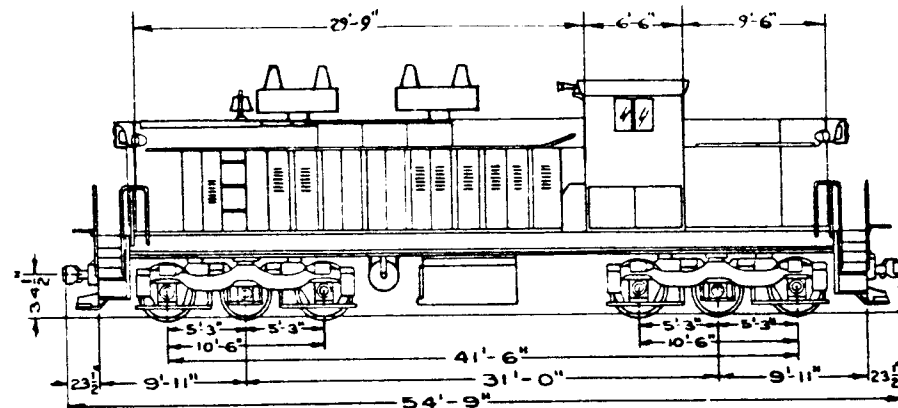
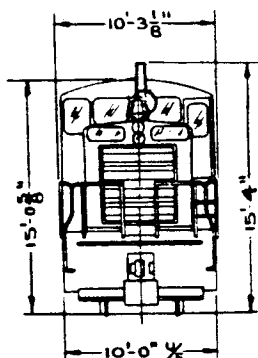
NUMBERS

DIESEL ENGINE: 1200 H.P.
G.M. 567-C V-type
12 Cylinder, 8½ bore, 10" stroke
800 R.P.M. full speed
275 R.P.M. Idling "

WEIGHT	
TOTAL	239,000
LIGHT	
LOADED	

BUILDER	GMD
ORDER N ^o	C-258
MODEL N ^o	GMD-1
DATE BUILT	1959

RETIRED
1035



CAPACITIES		WHEELS : TYPE & CLASS	STEAM GENERATOR	ELECTRICAL EQUIPMENT	
ENG. COOLING WATER	185 IMP. GAL.	Drivers A-40 "C" Idlers 33" dia. "C"	None	TRACTION MOTORS	AUXILIARY GEN. TYPE & NR
LUBRICATING OIL	137 IMP. GAL.	JOURNALS: TYPE & SIZE	AIR COMPRESSOR	Four G.M. D-47-B	G.M. A-8102-A-1 18 K.W.
FUEL OIL	1000 IMP. GAL.	Hyatt 6½" x 12"	Gardner Denver WBO	T.M. BLOWER MOTORS	ALTERNATOR : TYPE & NR
SAND STORAGE	16 CU. FT.	TRUCKS	COOLING FANS	None	M.U. CONTROL
STEAM GEN. WATER	- IMP. GAL.	Flexicoil	One Mechanical Drive	Two Mechanical Drive	Yes
OPERATING FEATURES			AIR BRAKE	MAIN GENERATOR	DYNAMIC BRAKE
MAX. SPEED	65 M.P.H.		Westinghouse 6 SL	G.M. D-15-C	No
GEAR RATIO	62 : 15				
T.E. STARTING					
T.E. CONTINUOUS	30,000 lbs.				
OPER. CURVE ALONE:	390				
COUPLED:	210				

DEC 31 1974

Auto Up-Manual Down Transition	Auto Transition with Forestalling Features	Four-Speed Solenoid Governor Control	Speed Recorder - Indicator	Steam Generator Remote Control Panel	Standby Heater Excluding Units 1037 and 1038.
Air Signal Line	Seal Beam HL with Trainline Control	Elect. pneumatic & Auto-Sanding Feature	Combination Pilot & Footboard	Snowplow Electrical Connection	

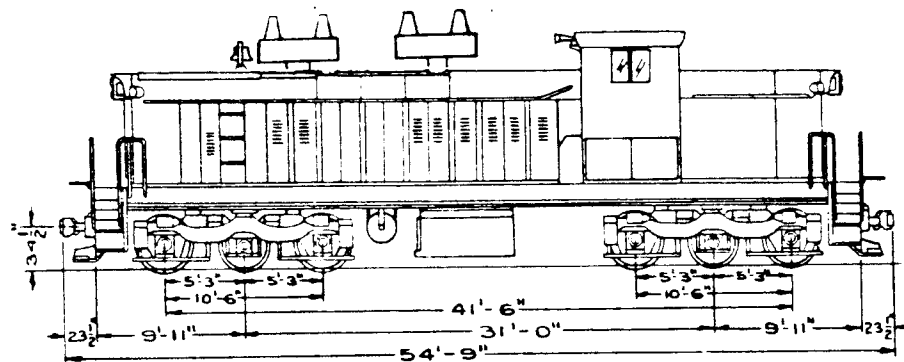
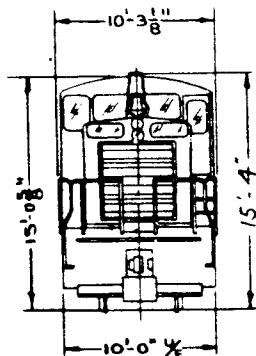
MECHANICAL DEPARTMENT

DIESEL UNIT DATA BOOK

GR-12 ¹⁰⁵⁰ To ¹⁰⁶⁷
CLASS NUMBERS

DIESEL ENGINE: 1200 H.P.
G.M. 567-C V-type
12 cylinder, 8 1/2" bore, 10" stroke,
800 R.P.M. full speed
275 R.P.M. Idling "

WEIGHT DISTRIBUTION		BUILDER	GMD				
FR. MIN.	REAR MIN.	TOTAL	FR. MAX.	REAR MAX.	TOTAL	ORDER N ^o	C-262
LIGHT						MODEL N ^o	GMD-1
LOADED					239,000	DATE BUILT	1959



CAPACITIES	
ENG. COOLING WATER	185 IMP. GAL.
LUBRICATING OIL	157 IMP. GAL.
FUEL OIL	1000 IMP. GAL.
SAND STORAGE	16 CU. FT.
STEAM GEN. WATER	IMP. GAL.

OPERATING FEATURES	
MAX. SPEED	- 65 M.P.H.
GEAR RATIO	62 : 15
T.E. STARTING	
T.E. CONTINUOUS	50,000 lbs.
OPER. CURVE ALONE: 39°	COUPLED: 21°

WHEELS: TYPE & CLASS
Drivers A-40 "C"
Idlers 33"

JOURNALS: TYPE & SIZE
Hyatt 6 1/2" x 12"

TRUCKS
Flexicoil

STEAM GENERATOR
AIR COMPRESSOR Gardner Denver WBO
COOLING FANS One Mechanical Drive
AIR BRAKE Westinghouse 26 L

ELECTRICAL EQUIPMENT	
TRACTION MOTORS FOUR G.M. D-47 B	AUXILIARY GEN: TYPE & N ^o G.M. A-8102-A-1 18 K.W.
T.M. BLOWER TWO Mechanical Drive	ALTERNATOR: TYPE & N ^o None
MAIN GENERATOR G.M. D-15C	M.U. CONTROL Yes
	DYNAMIC BRAKE No

DEC 31 1974

Auto Up-Manual Down Transition	Auto Transition with Forestalling Features	Four-Speed Solenoid Governor Control	Speed Recorder - Indicator	Steam Generator Remote Control Panel
Air Signal Line	Seal Beam HL with Trainline Control	Standby Heater	Elect. Pneumatic & Auto-Sanding Feature	Combination Pilot & Footboard

Snowplow Electrical
Connection

MECHANICAL DEPARTMENT

DIESEL UNIT DATA BOOK

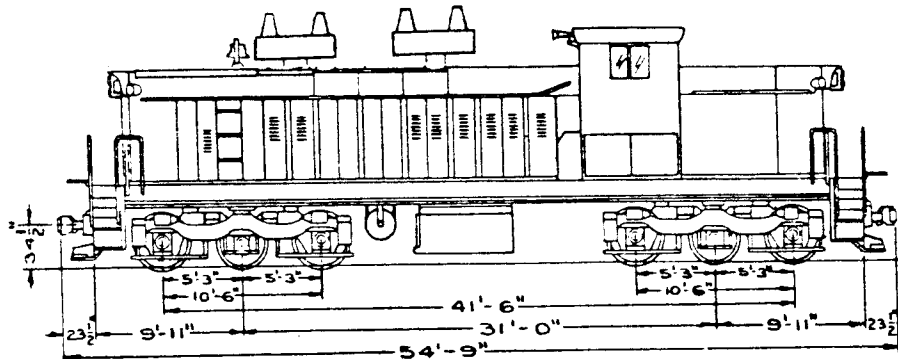
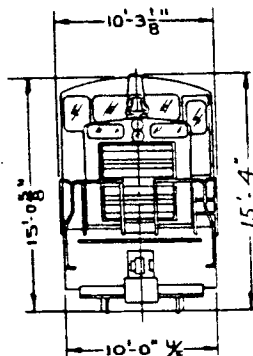
GR-123 1068 to 1076
CLASS NUMBER

DIESEL ENGINE: 1200 H.P.
G.M. 567-C V Type
12 Cylinders 8 1/2" Bore, 10" Stroke
800 R.P.M. Full Speed
275 R.P.M. Idle Speed

	WEIGHT		DISTRIBUTION			
	FR. MIN	REAR MIN	TOTAL	FR. MAX	REAR MAX	TOTAL
LIGHT						
LOADED						238,000

BUILDER	G.M.
ORDER N ^o	C-274
MODEL N ^o	3MD-1
DATE BUILT	1960

RETIRED
1072



CAPACITIES		WHEELS: TYPE & CLASS	STEAM GENERATOR	ELECTRICAL EQUIPMENT
ENG. COOLING WATER	185 IMP. GAL.	Drivers A-40-C Idlers 33"	None	TRACTION MOTORS Four G.M. D-47-B3
LUBRICATING OIL	137 IMP. GAL.	JOURNALS: TYPE & SIZE	AIR COMPRESSOR	AUXILIARY GEN: TYPE & N ^o G.M. A-8102-A-1 18 kw
FUEL OIL	1000 IMP. GAL.	Hyatt 6 1/2" x 12"	Gardner-Denver WBO	ALTERNATOR: TYPE & N ^o None
SAND STORAGE	16 CU. FT.	TRUCKS	COOLING FANS	T.M. BLOWER MOTORS Two Mechanical Drive
STEAM GEN. WATER	---- IMP. GAL.	FLEXICOIL	One Mechanical Drive	MAIN GENERATOR G.M. D-25
OPERATING FEATURES			AIR BRAKE	M.U. CONTROL Yes
MAX. SPEED	65 MPH		Westinghouse 26 L	DYNAMIC BRAKE No
GEAR RATIO	62:15			
T.E. STARTING				
T.E. CONTINUOUS	30,000			
OPER. CURVE ALONE: 39°	COUPLED: 21°			

DEC 31 1974

Auto Up-Manual Down Transition	Auto Transition with Forestalling Features	Four-Speed Solenoid Governor Control	Speed Recorder - Indicator	Steam Generator Remote Control Panel	Standby Heater Excluding Units 1068 and 1069.
Air Signal Line	Seal Beam HL with Trainline Control	Elect. Pneumatic and Auto-Sanding Feature	Combination Pilot & Footboard	Snowplow Electrical Connection	

MECHANICAL DEPARTMENT

DIESEL UNIT DATA BOOK

GR 12 d

1204 - 1221

CLASS

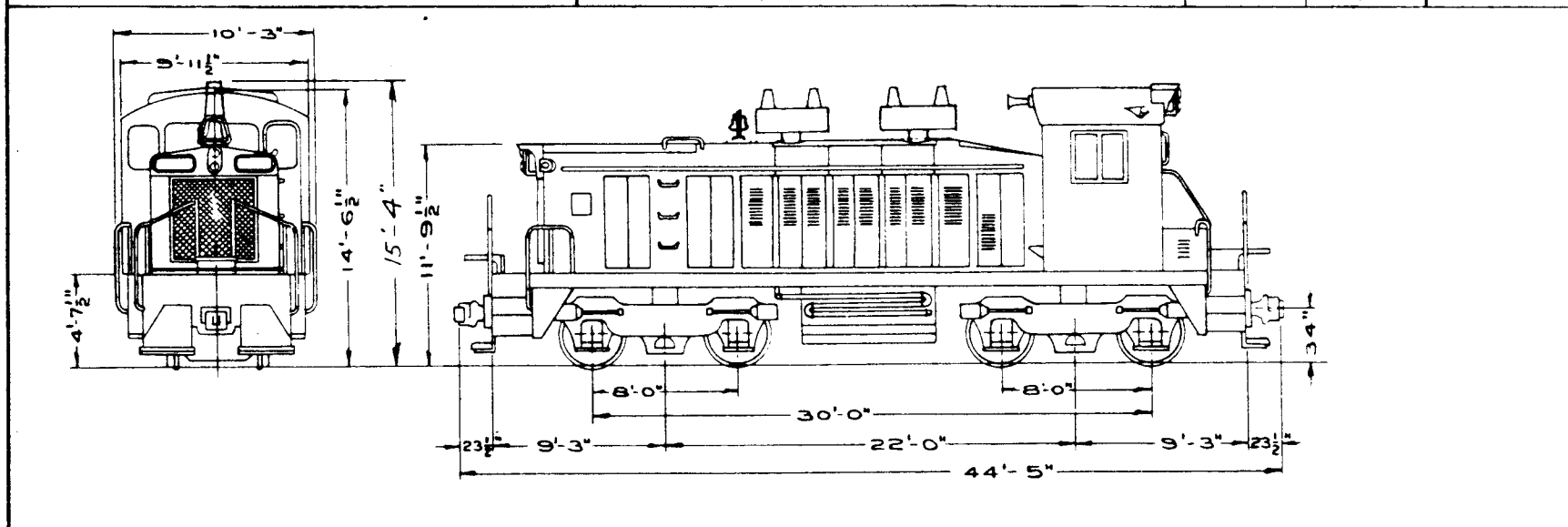
NUMBERS

DIESEL ENGINE: 1200 H.P.
 G.M. 567 C V-type
 12 cylinder, 8½" bore, 10" stroke
 800 R.P.M. full speed
 275 R.P.M. idling speed

UNITS 1204 to 1216	LOADED	225,000
UNITS 1217 to 1221	LOADED	246,000

WEIGHT	TOTAL
LOADED	225,000
LOADED	246,000

BUILDER	G.M.
ORDER N ^o	C-190
MODEL N ^o	SW-1200
DATE BUILT	1956



RETIRED

CAPACITIES	
ENG. COOLING WATER	185 IMP GAL
LUBRICATING OIL	137 IMP GAL
FUEL OIL	750 IMP GAL
SAND STORAGE	24 CU. FT.
STEAM GEN. WATER	- IMP GAL.

WHEELS: TYPE & CLASS
A-40 "C"
JOURNALS: TYPE & SIZE
Hyatt 6½" x 12"

STEAM GENERATOR
None
AIR COMPRESSOR
Gardner Denver W.X.0.

ELECTRICAL EQUIPMENT
TRACTION MOTORS
G.M. D-37 4 Motors
T.M. BLOWER MOTORS
2 Mechanical Drive
MAIN GENERATOR
G.M.D. D-15

AUXILIARY GEN: TYPE & N ^o
Elec. Jumper 18 K.W. A8102-A1
ALTERNATOR: TYPE & N ^o
None

OPERATING FEATURES	
MAX. SPEED	65 MPH
GEAR RATIO	62 : 15
T.E. STARTING	
T.E. CONTINUOUS	40000
OPER. CURVE ALONE:	57
COUPLED:	

TRUCKS
Flexicoil
CONTROL
Steam Generator Remote Control Panel Excluding units 1216 and 1218

COOLING FANS
1 Mechanical Drive
AIR BRAKE
Westinghouse 6 SL

M.U. CONTROL
Yes
DYNAMIC BRAKE
No

UNIT EQUIPMENT
Units Equipped with Hump Control - Lead
Units 1220 and 1221 only.
Units Equipped with Hump Control - Trail
Units 1217 to 1219 only.

Auto. Up-Manual Down Transition	Auto. Transition with Forestalling Features	Standby Heater Units 1215 and 1216 Only.	Four-Speed Solenoid Governor Control	Speed Recorder - Indicator	Units Equipped with Hump Control - Lead
Air Signal Line	Seal Beam HL with Trainline Control	Combination Pilot and Footboard	Snowplow Electrical Connection	Elect. Pneumatic and Auto. Sanding Feature	Units 1220 and 1221 only.

Auto. Up-Manual Down Transition	Auto. Transition with Forestalling Features	Standby Heater Units 1215 and 1216 Only.	Four-Speed Solenoid Governor Control	Speed Recorder - Indicator	Units Equipped with Hump Control - Lead
Air Signal Line	Seal Beam HL with Trainline Control	Combination Pilot and Footboard	Snowplow Electrical Connection	Elect. Pneumatic and Auto. Sanding Feature	Units 1220 and 1221 only.

Auto. Up-Manual Down Transition	Auto. Transition with Forestalling Features	Standby Heater Units 1215 and 1216 Only.	Four-Speed Solenoid Governor Control	Speed Recorder - Indicator	Units Equipped with Hump Control - Lead
Air Signal Line	Seal Beam HL with Trainline Control	Combination Pilot and Footboard	Snowplow Electrical Connection	Elect. Pneumatic and Auto. Sanding Feature	Units 1220 and 1221 only.

Auto. Up-Manual Down Transition	Auto. Transition with Forestalling Features	Standby Heater Units 1215 and 1216 Only.	Four-Speed Solenoid Governor Control	Speed Recorder - Indicator	Units Equipped with Hump Control - Lead
Air Signal Line	Seal Beam HL with Trainline Control	Combination Pilot and Footboard	Snowplow Electrical Connection	Elect. Pneumatic and Auto. Sanding Feature	Units 1220 and 1221 only.

Auto. Up-Manual Down Transition	Auto. Transition with Forestalling Features	Standby Heater Units 1215 and 1216 Only.	Four-Speed Solenoid Governor Control	Speed Recorder - Indicator	Units Equipped with Hump Control - Lead
Air Signal Line	Seal Beam HL with Trainline Control	Combination Pilot and Footboard	Snowplow Electrical Connection	Elect. Pneumatic and Auto. Sanding Feature	Units 1220 and 1221 only.

Auto. Up-Manual Down Transition	Auto. Transition with Forestalling Features	Standby Heater Units 1215 and 1216 Only.	Four-Speed Solenoid Governor Control	Speed Recorder - Indicator	Units Equipped with Hump Control - Lead
Air Signal Line	Seal Beam HL with Trainline Control	Combination Pilot and Footboard	Snowplow Electrical Connection	Elect. Pneumatic and Auto. Sanding Feature	Units 1220 and 1221 only.

DEC 31 1974

Excluding Units 1206, 1210, 1211, 1216 to 1218 and 1220.

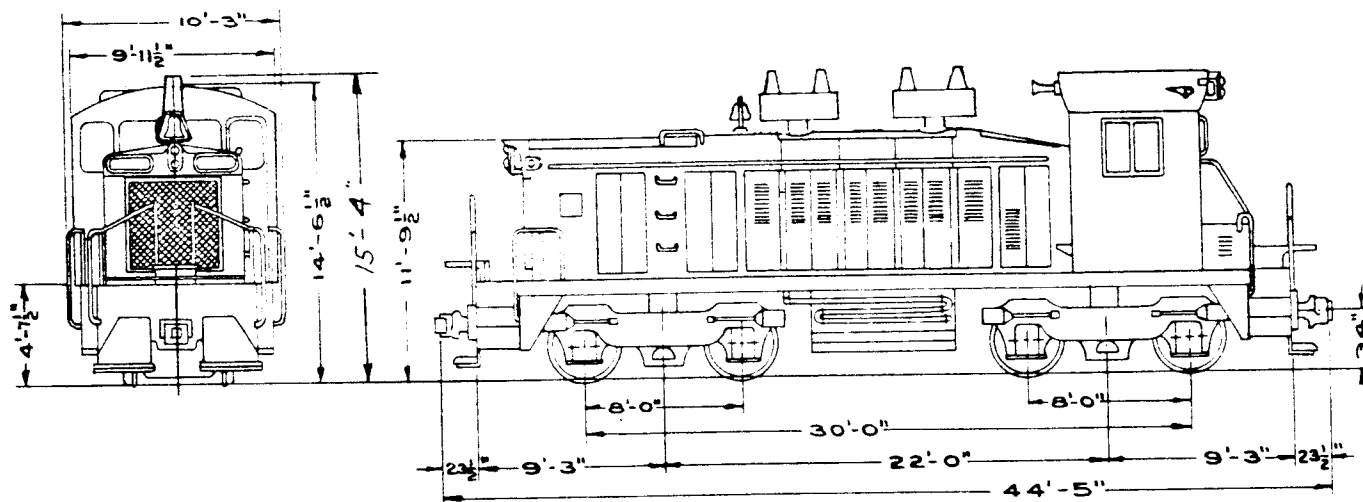
MECHANICAL DEPARTMENT

DIESEL UNIT DATA BOOK

GR-12f To 1227
CLASS NUMBERS

DIESEL ENGINE: 1200 H.P.
G.M. 567-C V-type
12 cylinder, 8½" bore, 10" stroke.
800 R.P.M. Full speed
275 R.P.M. Idling "

WEIGHT		DISTRIBUTION			TOTAL	BUILDER	G.M.
FR. MIN	REAR MIN	FR. MAX	REAR MAX				
LIGHT						ORDER N°	C-198
LOADED					225,000	MODEL N°	ST-1200
						DATE BUILT	1956



CAPACITIES		WHEELS: TYPE & CLASS	STEAM GENERATOR	ELECTRICAL EQUIPMENT	
ENG. COOLING WATER	185 IMP. GAL.	A-40 "C"	None	TRACTION MOTORS	AUXILIARY GEN: TYPE & N°
LUBRICATING OIL	137 IMP. GAL.			G.M. D-37	G.M. A-8102-A2
FUEL OIL	775 IMP. GAL.	JOURNALS: TYPE & SIZE	AIR COMPRESSOR	4 Motors	ALTERNATOR: TYPE & N°
SAND STORAGE	24 CU. FT.	Ryatt 6½" x 12"	Gardner Denver W.X.O.	T.M. BLOWER	None
STEAM GEN. WATER	IMP. GAL.			2 Mechanical Drive	M.U. CONTROL
OPERATING FEATURES		TRUCKS	COOLING FANS	MAIN GENERATOR	DYNAMIC BRAKE
MAX. SPEED	65 M.P.H.	Flexicoil	One Mechanical Drive	G.M. D-15-B	No
GEAR RATIO	68 : 15				
T.E. STARTING			AIR BRAKE		
T.E. CONTINUOUS	40,000 lbs.		Westinghouse 6 SL		
OPER. CURVE ALONE	57°				
COUPLED	38°				

DEC 31 1974

Auto Up-Manual Down Transition	Auto Transition with Forestalling Features	Four-Speed Solenoid Governor Control	Speed Recorder - Indicator	Steam Generator Remote Control Panel	Auxiliary Generator Trainline Units 1228 and 1229 Only.
Air Signal Line	Seal beam HL with Trainline Control	Combination Pilot and Footboard	Snowplow Electrical Connection	Low M.P.H. Control Units 1230 and 1231 Only	Elect. Pneumatic and Auto-Sanding Feature. Excluding Units 1227, 1233, 1234, 1238, 1241, 1244 and 1246.

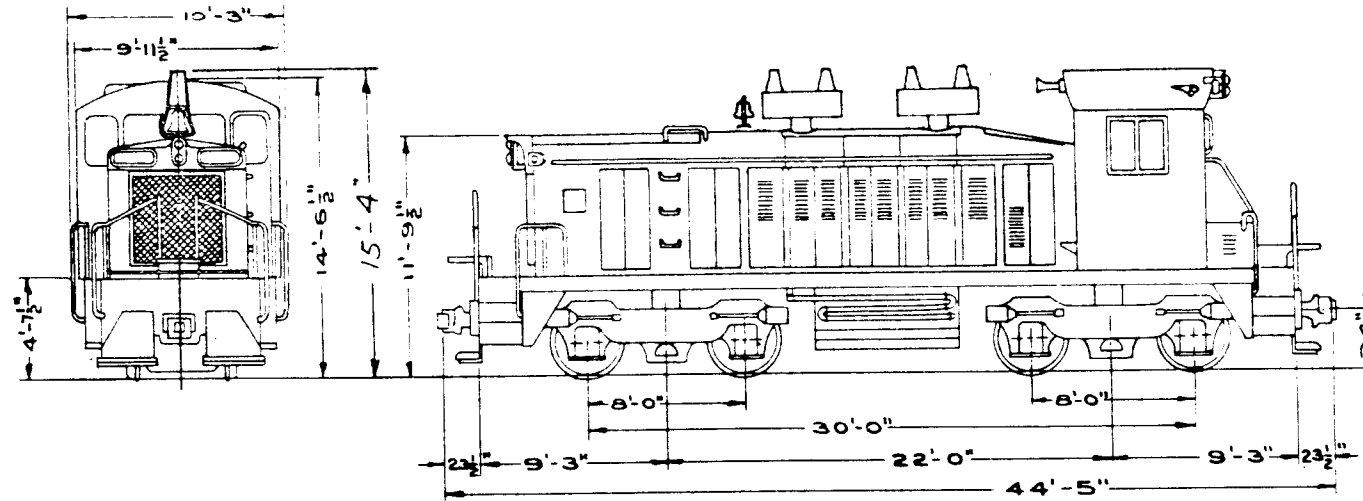
MECHANICAL DEPARTMENT

DIESEL UNIT DATA BOOK

GR-12h To 1248
CLASS NUMBERS

DIESEL ENGINE : 1200 H.P.
G.M. 567-C V-type
12 cylinder, 8 1/2" bore, 10" stroke
800 R.P.M. full speed
275 R.P.M. Idling "

WEIGHT			DISTRIBUTION			BUILDER	G.M.
FR. MIN	REAR MIN	TOTAL	FR. MAX	REAR MAX	TOTAL	ORDER N ^o	0-215
LIGHT						MODEL N ^o	ST-1200
LOADED					226,000	DATE BUILT	1956-1957



CAPACITIES		WHEELS : TYPE & CLASS		STEAM GENERATOR	ELECTRICAL EQUIPMENT	
ENG. COOLING WATER	185 IMP GAL	A-40	"C"	None	TRACTION MOTORS	AUXILIARY GEN: TYPE & N ^o
LUBRICATING OIL	137 IMP GAL	JOURNALS: TYPE & SIZE		AIR COMPRESSOR	G.M. .D-37	G.M. A-8102-A1
FUEL OIL	775 IMP GAL	Byatt 6 1/2" x 12"		Gardner Denver WBO	4 Motors	18 K.W.
SAND STORAGE	24 CU. FT.	TRUCKS		COOLING FANS	T.M. BLOWER	ALTERNATOR : TYPE & N ^o
STEAM GEN. WATER	- IMP GAL.	Flexicoil		One Mechanical Drive	2 Mechanical Drive	None
OPERATING FEATURES				AIR BRAKE	MAIN GENERATOR	M.U. CONTROL
MAX. SPEED	65 M.P.H.			Westinghouse 6-SL	G.M. D-15-C	Yes
GEAR RATIO	62 : 15					DYNAMIC BRAKE
T.E. STARTING						No
T.E. CONTINUOUS	10,000					
OPER. CURVE ALONE: 57°	COUPLED: 38°					

DEC 31 1974

auto Up-Annual Down Transition	Auto Transition with Forestalling Features	Four-Speed Solenoid Governor Control	Speed Recorder - Indicator	Air Signal Line	Standby Heater Units 1248 to 1254, 1255 to 1258 Only.
Seal beam HL with Trainline Control	Elect. Pneumatic and Auto-Sanding Feature	Combination Pilot and Footboard	Snowplow Electrical Connection	Steam Generator Remote Control Panel Excluding Units 1248 and 1253	

MECHANICAL DEPARTMENT

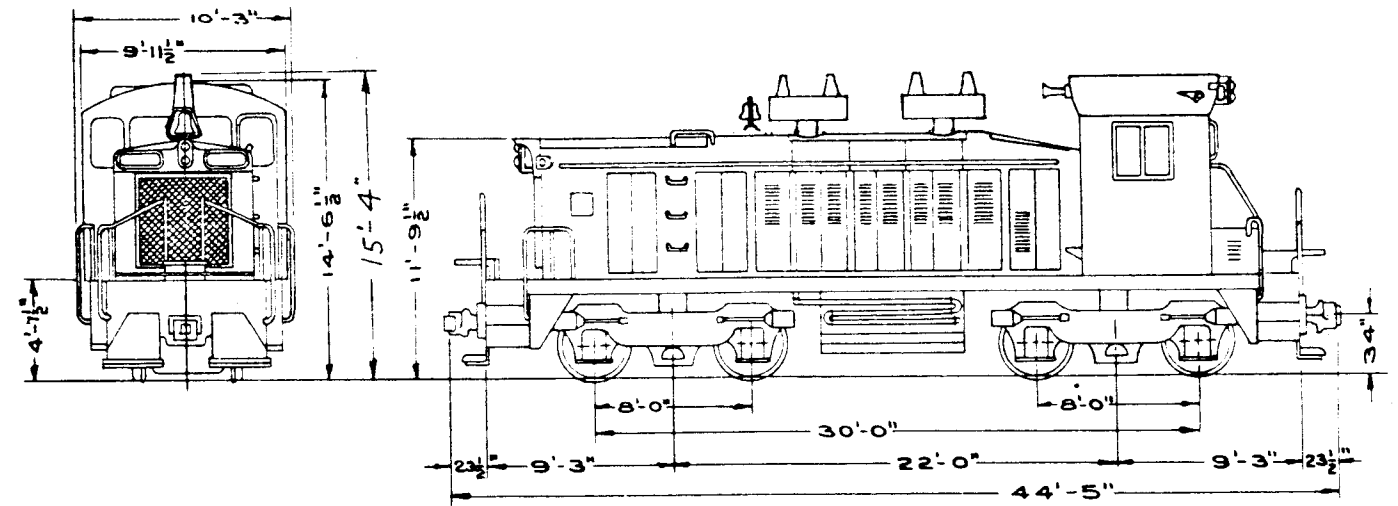
DIESEL UNIT DATA BOOK

GR-12K To 1271
CLASS NUMBERS
1288

DIESEL ENGINE : 1200 H.P.
G.M. 567-C V-type
12 cylinder, 8 1/2" bore, 10" stroke
800 R.P.M. full speed
275 R.P.M. Idling "

WEIGHT		DISTRIBUTION		
FR. MIN	REAR MIN	TOTAL	FR. MAX	REAR MAX
LIGHT				
LOADED				226,000

BUILDER	G.M.
ORDER N°	C-228
MODEL N°	SW-1200
DATE BUILT	1957



RETIRED
1278
1281

CAPACITIES		
ENG. COOLING WATER	185	IMP. GAL.
LUBRICATING OIL	137	IMP. GAL.
FUEL OIL	775	IMP. GAL.
SAND STORAGE	24	CU. FT.
STEAM GEN. WATER	-	IMP. GAL.

WHEELS : TYPE & CLASS	A-40 "C"
JOURNALS: TYPE & SIZE	Ryatt 6 1/2" x 12"
TRUCKS	Flexicoil

STEAM GENERATOR	None
AIR COMPRESSOR	Gardner Denver WBO
COOLING FANS	One mechanical drive
AIR BRAKE	Westinghouse 6-SL

ELECTRICAL EQUIPMENT	
TRACTION MOTORS	G.M. D-47-B 4 Motors
T.M. BLOWER	None
MAIN GENERATOR	G.M. D-15-C
AUXILIARY GEN: TYPE & N°	G.M. A-8102-A1
ALTERNATOR: TYPE & N°	None
M.U. CONTROL	Yes
DYNAMIC BRAKE	No

OPERATING FEATURES		
MAX. SPEED	65	M.P.H.
GEAR RATIO	62 : 15	
T.E. STARTING		
T.E. CONTINUOUS	40,000	
OPER. CURVE ALONE	570	COUPLED: 380

Auto Up-Manual Down Transition	Auto Transition with Forestalling Features	Four-Speed Solenoid Governor Control	Speed Recorder - Indicator	Air Signal Line	Auxiliary Generator Trainline. Excluding Units 1280, 1283, 1285 and 1287.
Seal Beam HL with Trainline Control	Elect. Pneumatic & Auto-sanding Feature	Combined Pilot and Footboard	Snowplow Electrical Connection	Steam Generator Remote Control Panel Excluding Units 1280, 1282, 1284 and 1286	

DEC 31 1974

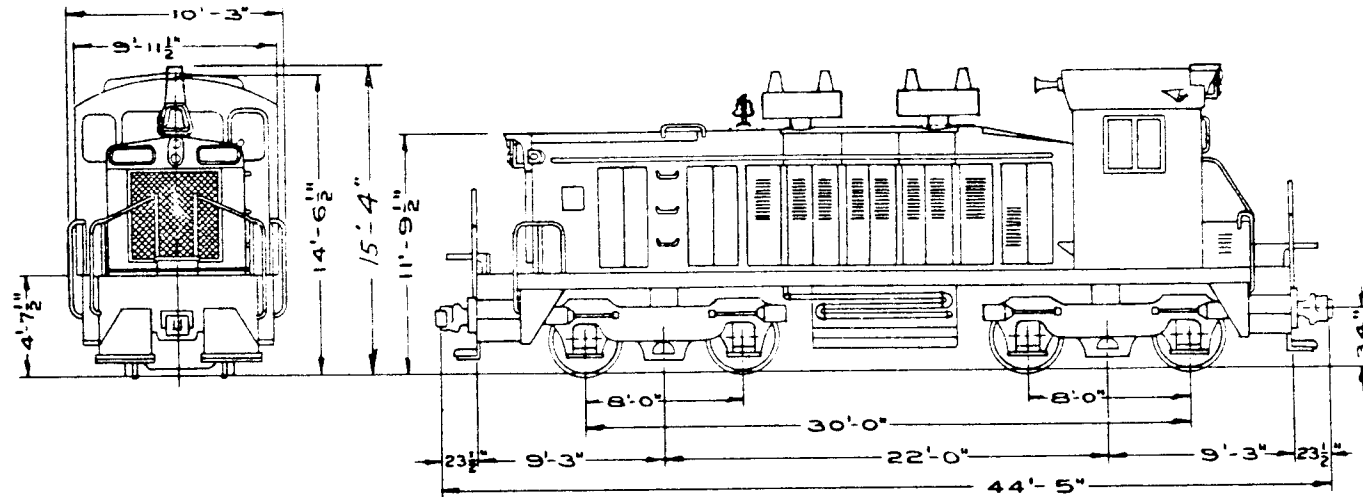
MECHANICAL DEPARTMENT

DIESEL UNIT DATA BOOK

GR-122 To 1289
CLASS To 1304
NUMBERS

DIESEL ENGINE: 1200 H.P.
G.M. 567-C V-type
12 cylinder, 8½" bore, 10" stroke,
300 R.P.M. Full speed
275 R.P.M. Idling "

WEIGHT DISTRIBUTION			BUILDER				
FR. MIN	REAR MIN	TOTAL	FR. MAX.	REAR MAX.	TOTAL	BUILDER	G.M.
						ORDER N°	C-240
LIGHT						MODEL N°	SW-1200
LOADED					225,000	DATE BUILT	1958



CAPACITIES			WHEELS: TYPE & CLASS		STEAM GENERATOR		ELECTRICAL EQUIPMENT	
ENG. COOLING WATER	185	IMP. GAL.	A-40	"C"	None		TRACTION MOTORS	AUXILIARY GEN: TYPE & N°
LUBRICATING OIL	137	IMP. GAL.	JOURNALS: TYPE & SIZE		AIR COMPRESSOR		G.M. D-47-B	G.M. A-8102-A1
FUEL OIL	775	IMP. GAL.	Ryatt 6½" x 12"		Gardner Denver WBO		4 Motors	18 K.W.
SAND STORAGE	24	CU. FT.	TRUCKS		COOLING FANS		T.M. BLOWER	ALTERNATOR: TYPE & N°
STEAM GEN. WATER	-	IMP. GAL.	Flexicoil		One mechanical drive		Two mechanical drive	None
OPERATING FEATURES							MAIN GENERATOR	M.U. CONTROL
MAX. SPEED	65	M.P.H.					G.M. D-15-C	Yes
GEAR RATIO	82 : 15							DYNAMIC BRAKE
T.E. CONTINUOUS	40,000							No
OPER. CURVE ALONE: 57°	COUPLED: 38°							

DEC 31 1974

Auto Up-Manual Down Transition	Auto Transition with Forestalling Features	Four-Speed Solenoid Governor Control	Speed Recorder - Indicator	Steam Generator Remote Control Panel	Snowplow Electrical Connection
Auxiliary Generator Trainline	Air Signal Line	Seal beam HL with Trainline Control	Elect. Pneumatic & auto-Sanding Feature	Combination Pilot and Footboard	

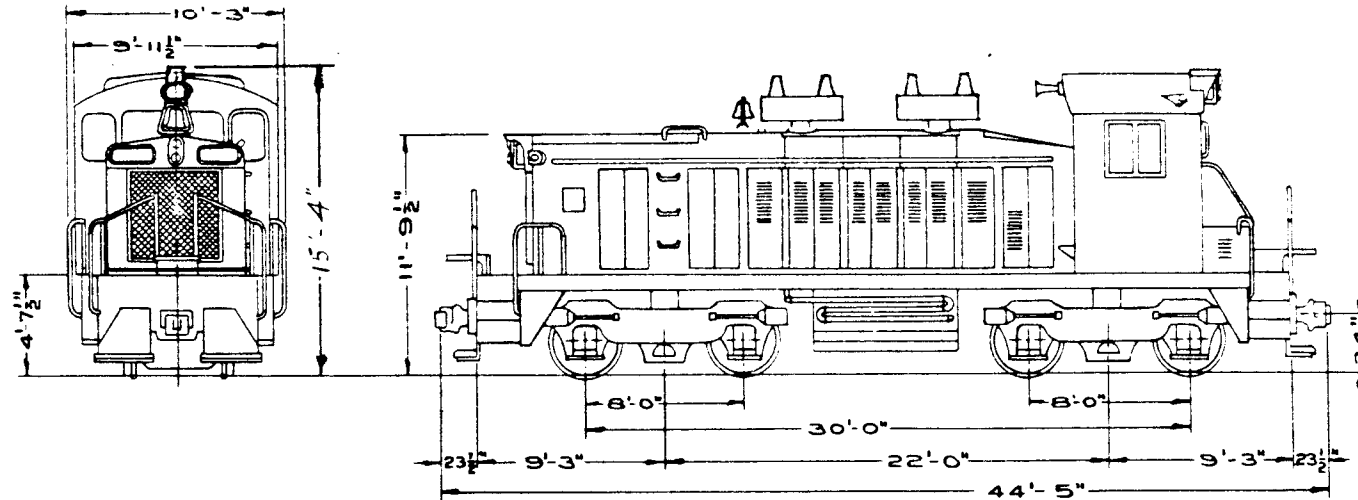
MECHANICAL DEPARTMENT

DIESEL UNIT DATA BOOK

GR-127 To 1305
CLASS NUMBERS
1337

DIESEL ENGINE: 1200 H.P.
G.M. 567 C V-type
12 cylinder, 8½" bore, 10" stroke
800 R.P.M. full speed
275 R.P.M. Idling "

WEIGHT DISTRIBUTION						BUILDER	G.M.
	FR. MIN	REAR MIN	TOTAL	FR. MAX	REAR MAX	TOTAL	ORDER N ^o
LIGHT							C-253
LOADED						223,000	MODEL N ^o SW-1200
							DATE BUILT 1958



CAPACITIES		WHEELS: TYPE & CLASS		STEAM GENERATOR		ELECTRICAL EQUIPMENT	
ENG. COOLING WATER	185 IMP. GAL.	A-40	"C"	-		TRACTION MOTORS	AUXILIARY GEN: TYPE & N ^o
LUBRICATING OIL	137 IMP. GAL.	JOURNALS: TYPE & SIZE		AIR COMPRESSOR		G.M. D-47-B	G.M. A-8102-A1
FUEL OIL	775 IMP. GAL.	Hyatt 6½" x 12"		Gardner Denver WBO		4 Motors	18 K.W.
SAND STORAGE	24 CU. FT.	TRUCKS		COOLING FANS		T.M. BLOWER	ALTERNATOR: TYPE & N ^o
STEAM GEN. WATER	- IMP. GAL.	Flexicoil		One Mechanical Drive		2 Mechanical Drive	None
OPERATING FEATURES				AIR BRAKE		MAIN GENERATOR	M.U. CONTROL
MAX. SPEED	65 M.P.H.			Westinghouse 6-SL		G.M. D-15-C	Yes
GEAR RATIO	62 : 15						DYNAMIC BRAKE
T.E. STARTING							No
T.E. CONTINUOUS	40,000						
OPER. CURVE ALONE	57°						
	COUPLED: 38°						

DEC 31 1974

Auto Up-Manual Down Transition	Auto Transition with Forestalling Features	Four-Speed Solenoid Governor Control	Speed Recorder - Indicator	Steam Generator Remote Control Panel	Snowplow Electrical Connection Excluding Unit 1337
Auxiliary Gen. Trainline	Air Signal Line	seal beam HL with Trainline Control	Elect. Pneumatic and Auto-Sanding Feature	Combination Pilot and Footboard	

MECHANICAL DEPARTMENT

DIESEL UNIT DATA BOOK

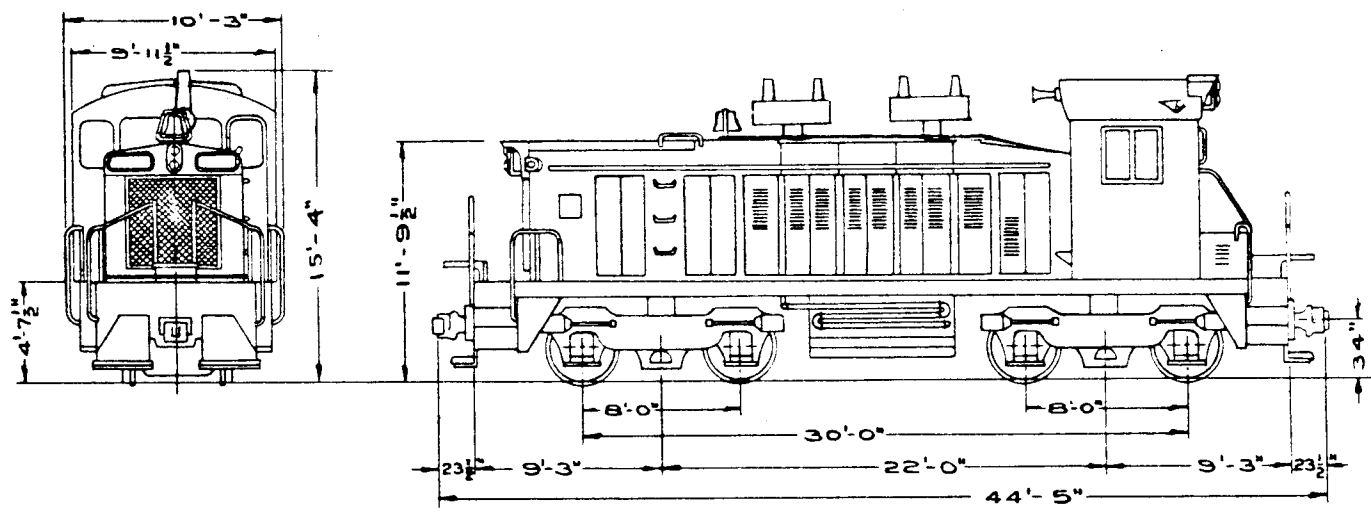
1338
 GR-12u to 1357
 CLASS NUMBERS

DIESEL ENGINE: 1200 H.P.
 G.M. 567-C V-type
 12 cylinder, 8 1/2" bore, 10" stroke,
 800 R.P.M. Full speed
 275 R.P.M. Idling "

	WEIGHT			DISTRIBUTION		
	FR MIN	REAR MIN	TOTAL	FR MAX	REAR MAX	TOTAL
LIGHT						
LOADED						223,000

BUILDER	GMD
ORDER N ^o	C-264
MODEL N ^o	SN-1200
DATE BUILT	1959

RETIRED
 134C



CAPACITIES		
ENG. COOLING WATER	185	IMP. GAL.
LUBRICATING OIL	137	IMP. GAL.
FUEL OIL	775	IMP. GAL.
SAND STORAGE	24	CU. FT.
STEAM GEN. WATER	-	IMP. GAL.

WHEELS: TYPE & CLASS	A-40 "C"
JOURNALS: TYPE & SIZE	Hyatt 6 1/2" x 12"

STEAM GENERATOR	None
AIR COMPRESSOR	Gardner Denver WBO

ELECTRICAL EQUIPMENT	
TRACTION MOTORS	AUXILIARY GEN: TYPE & N ^o
FOUR G.M. D-47-B	G.M. A-8102-A-1 18 K.W.
T.M. BLOWER MOTORS	ALTERNATOR: TYPE & N ^o
Two Mechanical Drive	None
MAIN GENERATOR	M.U. CONTROL
G.M. D-15-C	Yes
	DYNAMIC BRAKE
	No

OPERATING FEATURES		
MAX. SPEED	65	M.P.H.
GEAR RATIO	62 : 15	
T.E. STARTING		
T.E. CONTINUOUS	40,000	
OPER. CURVE ALONE: 57	COUPLED: 38°	

TRUCKS	Flexicoil
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COOLING FANS	One Mechanical Drive
AIR BRAKE	Westinghouse 26-L

DEC 31 1974

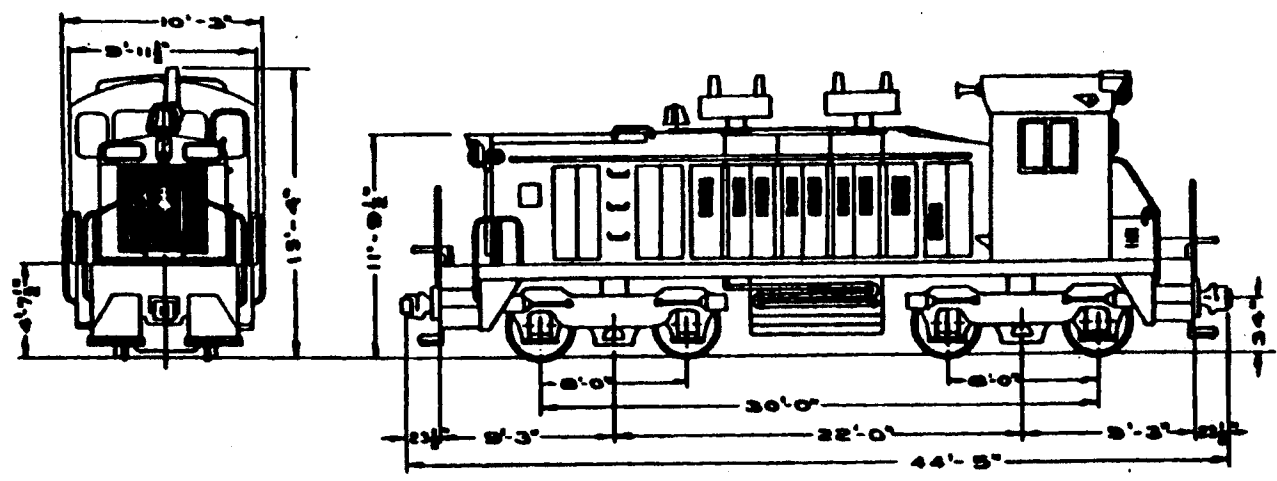
Auto Up-Manual Down Transition	Auto Transition with Forestalling Features	Four-Speed Solenoid Governor Control	Speed Recorder - Indicator	Steam Generator Remote Control Panel	Snowplow Electrical Connection
Auxiliary Gen. Trainline	Air Signal Line	Seal Beam HL with Trainline Control	Elect.Pneumatic and Auto-Sanding Feature	Combination Pilot and Footboard	Standby Heater Excluding Units 1351 and 1353

1338

MECHANICA DEPARTMENT DIESEL UNIT DATA BOOK GR-12 CLASS 70 133 NUMBER 1338

DIESEL ENGINE: 1200 H.P. G.M. 567-C V-type 12 cylinder, 6 1/2" bore, 10" stroke, 800 R.P.M. Full speed 875 R.P.M. idling	WEIGHT			DISTRIBUTION			BUILDER	QMD	
		FR. MIN	REAR MIN	TOTAL	FR. MAX	REAR MAX	TOTAL	ORDER N°	C-206
	LIGHT							MODEL N°	SW-1200
	LOADED						223,000	DATE BUILT	1969

REBUILT BY C.S.T.
 1347 7317



REBUILT
 1340
 1345
 1354

CAPACITIES		WHEELS: TYPE & CLASS A-60 90"	STEAM GENERATOR None	ELECTRICAL EQUIPMENT	
ENG. COOLING WATER	185 IMP. GAL.			TRACTION MOTORS	
LUBRICATING OIL	157 IMP. GAL.	JOURNALS: TYPE & SIZE Eight 6 1/2" x 12"	AIR COMPRESSOR Gardner Denver W80	FOUR	G.M. A-8100-A-1
FUEL OIL	775 IMP. GAL.			G.M. D-67-B	18 K.W.
SAND STORAGE	24 CU. FT.	TRUCKS Flexicell	COOLING FANS One Mechanical Drive	T.M. BLOWER MOTORS	ALTERNATOR: TYPE & N°
STEAM GEN. WATER	- IMP. GAL.			None	
OPERATING FEATURES			AIR BRAKE Westinghouse 26-L	Two Mechanical Drive	M.U. CONTROL
MAX. SPEED	65 MPH			Yes	
GEAR RATIO	62 : 15			MAIN GENERATOR	DYNAMIC BRAKE
T.E. STARTING				G.M. D-15-C	Yes
T.E. CONTINUOUS	10,000				Yes
OPER. CURVE ALONE: 37	COUPLED: 35				

JULY 1977

Auto Up-Manual Down Transition	Auto Transition with Forestalling Features	Four-Speed Solenoid Governor Control	Speed Recorder - Indicator	Steam Generator Remote Control Panel	Shoplow Electrical Connection Standby Heater
Auxiliary Gen. Trainline	Air Signal Line	Seal Beam HL with Trainline Control	Elect. Pneumatic and Auto-Sending Feature	Combination Pilot and Footboard	

MECHANICAL DEPARTMENT

DIESEL UNIT DATA BOOK

GR 12 Y

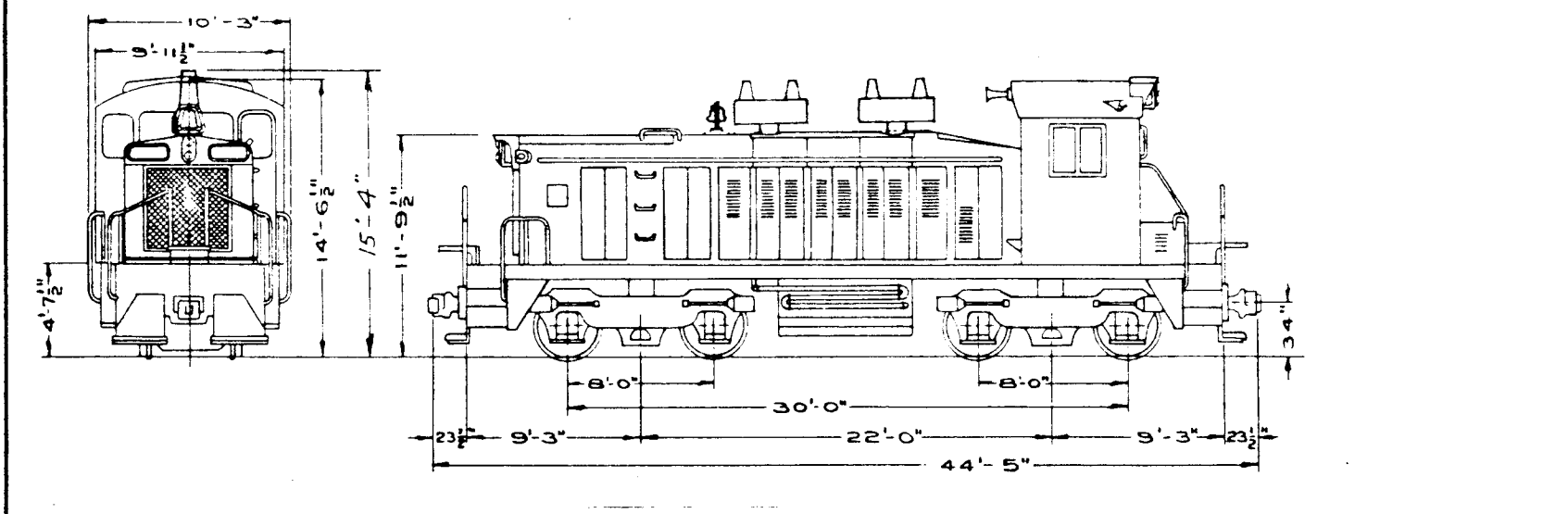
1358-1397

CLASS NUMBERS

DIESEL ENGINE: 1200 H.P.
G.M. 567-C V type
12 Cylinder 8½" Bore 10" Stroke
800 R.P.M. Full Speed
275 R.P.M. Idle Speed

WEIGHT	BUILDER	G.M.
	ORDER N°	C-273
LIGHT	MODEL N°	SW-1200
LOADED	DATE BUILT	1960

RETIRED



CAPACITIES		WHEELS: TYPE & CLASS	STEAM GENERATOR	ELECTRICAL EQUIPMENT	
ENG. COOLING WATER	185 IMP. GAL.	A-40 "C"	None	TRACTION MOTORS	AUXILIARY GEN: TYPE & N°
LUBRICATING OIL	137 IMP. GAL.			Four G.M. D-47-B	G.M. A-8102-A1 18 kw
FUEL OIL	775 IMP. GAL.	JOURNALS: TYPE & SIZE	AIR COMPRESSOR		ALTERNATOR: TYPE & N°
SAND STORAGE	24 CU. FT.	Hyatt 6½"x 12"	Gardner Denver W80	T.M. BLOWER MOTORS	None
STEAM GEN. WATER	- IMP. GAL.			Two Mechanical Drive	M.V. CONTROL
OPERATING FEATURES		TRUCKS	COOLING FANS		Yes
MAX. SPEED	65 MPH	Flexicoil	One Mechanical Drive	MAIN GENERATOR	DYNAMIC BRAKE
GEAR RATIO	62 : 15			G.M. D-25	No
T.E. STARTING			AIR BRAKE		
T.E. CONTINUOUS	40,000		Westinghouse 26-L		
OPER. CURVE ALONE:	570				
	COUPLED: 380				

Auto Up-Manual Down Transition	Auto Transition with Forestalling Features	Four-Speed Solenoid Governor Control	Speed Recorder - Indicator	Steam Generator Remote Control Panel	Snowplow Electrical Connection Excluding Units 1392 and 1396
Air Signal Line	Seal Beam HL with Trainline Control	Elect. Pneumatic and Auto-Sanding Feature	Combination Pilot and Footboard	Low M.P.H. Control Units 1359 to 1366, 1392 to 1397 Only.	Auxiliary Generator Trainline Units 1372 and 1387 only

DEC 31 1974

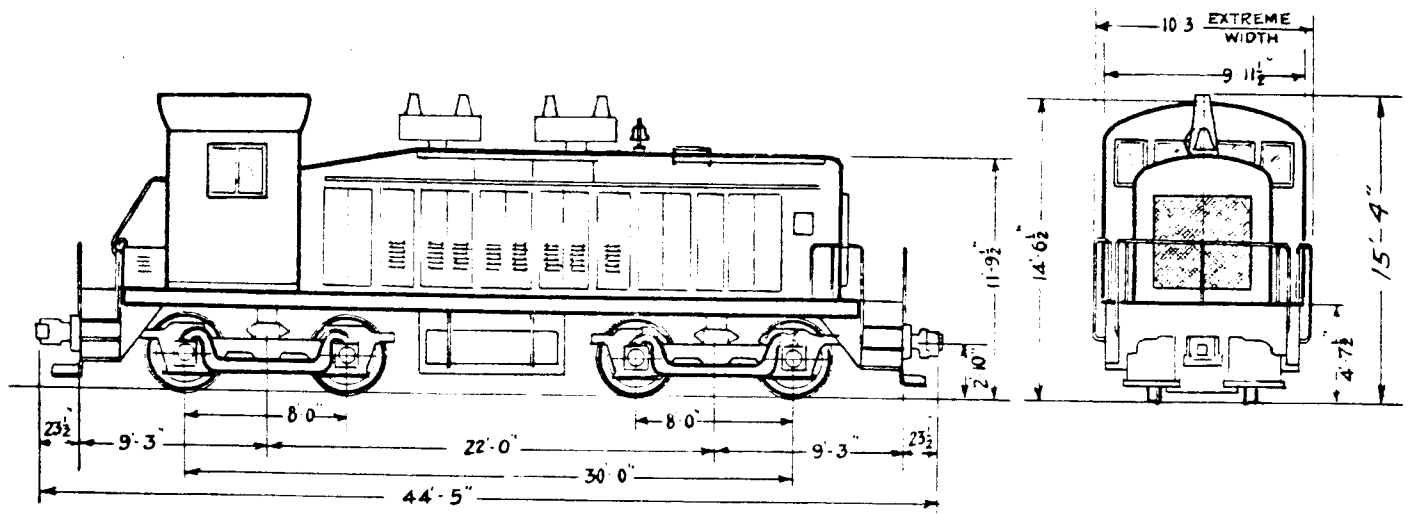
MECHANICAL DEPARTMENT

DIESEL UNIT DATA BOOK

GTW
 GR-12c 1500-1503
 CLASS NUMBERS

DIESEL ENGINE: 1200 H.P.
 G.M. 567C V-type
 12 cylinder, 8½" bore, 10" stroke
 800 R.P.M. full speed
 275 R.P.M. Idling "

WEIGHT	BUILDER	E.M.D.
	ORDER N ^o	4270
LIGHT	MODEL N ^o	SW-1200
LOADED	DATE BUILT	1955



RETIRED

CAPACITIES		WHEELS: TYPE & CLASS	STEAM GENERATOR	ELECTRICAL EQUIPMENT	
ENG. COOLING WATER	185 IMP. GAL.	A-40 "C"	None	TRACTION MOTORS	AUXILIARY GEN: TYPE & N^o
LUBRICATING OIL	137 IMP. GAL.			G.M. D-37	Delco A 7159
FUEL OIL	500 IMP. GAL.	JOURNALS: TYPE & SIZE	AIR COMPRESSOR	4 Motors	10 K.W.
SAND STORAGE	24 CU. FT.	Hyatt 6½" x 12"	Gardner Denver W.X.O.		ALTERNATOR: TYPE & N^o
STEAM GEN. WATER	- IMP. GAL.			T.M. BLOWER MOTORS	None
OPERATING FEATURES		TRUCKS	COOLING FANS	2 Mechanical Drive	M.U. CONTROL
MAX. SPEED	65 M.P.H.	AAR Type A	1 Mechanical Drive		Yes
GEAR RATIO	62:15			MAIN GENERATOR	DYNAMIC BRAKE
T.E. STARTING			AIR BRAKE	G.M. D-15	No
T.E. CONTINUOUS	40,000 lbs.		Westinghouse 6 BL		
OPER. CURVE ALONE: 570	COUPLED:				

Auto Up-Manual Down Transition	Auto Transition with Forestalling Features	Four-Speed Solenoid Governor Control	Air Signal Line	Seal Beam HL with Trainline Control
Elect. Pneumatic & Auto-Sanding Feature	Combination Pilot and Footboard			

DEC 31 1974

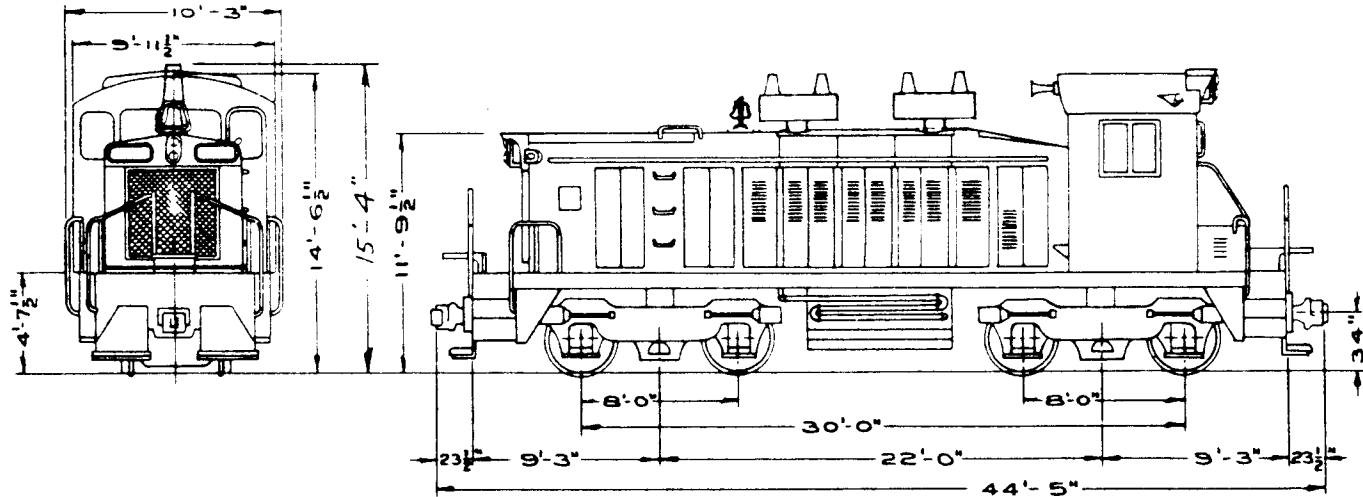
MECHANICAL DEPARTMENT

DIESEL UNIT DATA BOOK **GR12e** **1504-1508**
CLASS NUMBERS

DIESEL ENGINE: 1200 H.P.
 G.M. 567 C V-type
 12 cylinder, 8½" bore, 10" stroke
 800 R.P.M. full speed
 275 R.P.M. idling speed

WEIGHT		BUILDER	G.M.
	TOTAL	ORDER N°	C-191
LIGHT		MODEL N°	SW-1200
LOADED	246,000	DATE BUILT	1955-1956

RETIRED



CAPACITIES		WHEELS: TYPE & CLASS	STEAM GENERATOR	ELECTRICAL EQUIPMENT
ENG. COOLING WATER	185 IMP. GAL.	A-40 "C"	None	TRACTION MOTORS
LUBRICATING OIL	137 IMP. GAL.			G.M. D-37 4 Motors
FUEL OIL	750 IMP. GAL.	JOURNALS: TYPE & SIZE	AIR COMPRESSOR	AUXILIARY GEN: TYPE & N°
SAND STORAGE	24 CU. FT.	Hyatt 6½" x 12"	Gardner Denver W.X.O.	Elect. Tamper 18 K.W.-A8102-A1
STEAM GEN. WATER	- IMP. GAL.			ALTERNATOR: TYPE & N°
OPERATING FEATURES		TRUCKS	COOLING FANS	T.M. BLOWER MOTORS
MAX. SPEED	65 M.P.H.	Flexicoil	1 Mechanical Drive	2 Mechanical Drive
GEAR RATIO	62:15			
T.E. STARTING			AIR BRAKE	MAIN GENERATOR
T.E. CONTINUOUS	40,000		Westinghouse 6 SL	G.M.D. D-15
OPER. CURVE ALONE: 57°	COUPLED:			
				M.U. CONTROL
				Yes
				DYNAMIC BRAKE
				No

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Auto Up-Manual Down Transition	Auto Transition with Forestalling Features	Four-Speed Solenoid Governor Control	Speed Recorder - Indicator	Air Signal Line
Seal Beam HL with Trainline Control	Combination Pilot & Footboard	Snowplow Electrical Connection	Steam Generator Remote Control Panel Units 1506 to 1508 Only	

MECHANICAL DEPARTMENT

DIESEL UNIT DATA BOOK

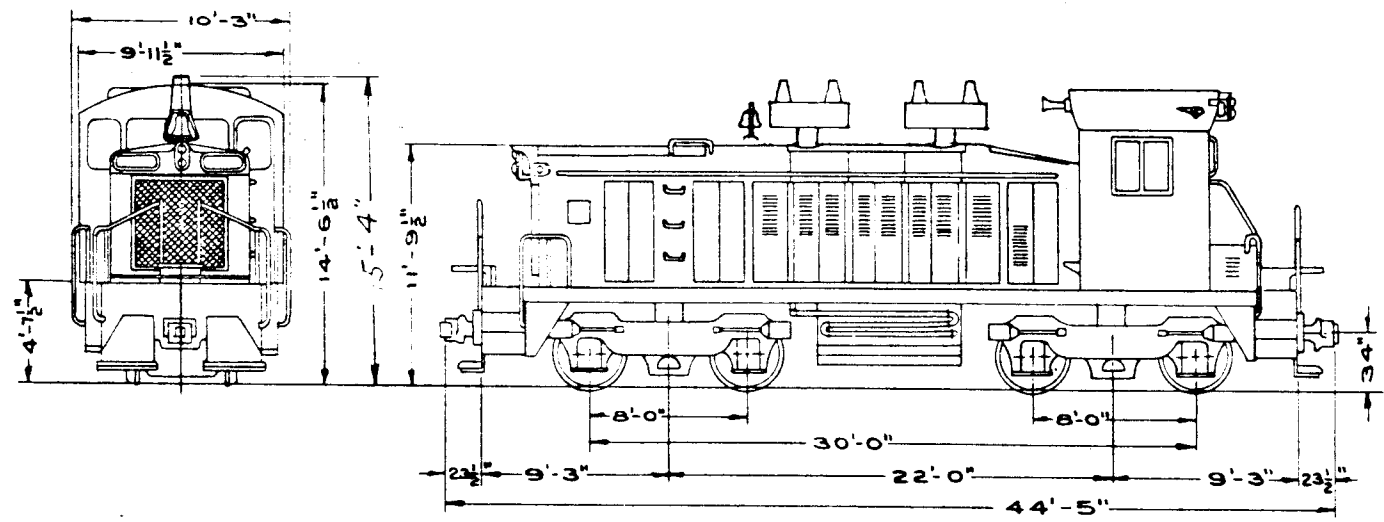
GR-12 J CLASS
 1510 NUMBERS

27 1589

DIESEL ENGINE: 1200 H.P.
 E.M.D. 567-C V-type
 12 cylinder, 8 1/2" bore, 10" stroke
 800 R.P.M. full speed
 275 R.P.M. Idling "

	WEIGHT			DISTRIBUTION		
	FR. MIN	REAR MIN	TOTAL	FR. MAX	REAR MAX	TOTAL
LIGHT	118,850	119,090	237,940	119,260	119,160	238,420
LOADED	123,040	123,480	246,520	123,450	123,550	247,000

BUILDER	E.M.D.
ORDER N ^o	4376
MODEL N ^o	SW-1200
DATE BUILT	1957



CAPACITIES		WHEELS: TYPE & CLASS	STEAM GENERATOR	ELECTRICAL EQUIPMENT	
ENG. COOLING WATER	230 U.S. GAL.	A-40 "C"	None	TRACTION MOTORS	AUXILIARY GEN: TYPE & N ^o
LUBRICATING OIL	185 U.S. GAL.			E.M.D. D-37-B	Delco 10 K.W.
FUEL OIL	900 U.S. GAL.	JOURNALS: TYPE & SIZE	AIR COMPRESSOR	4 Motors	ALTERNATOR: TYPE & N ^o
SAND STORAGE	22 CU. FT.	Byatt 6 1/2" x 12"	Gardner Denver WBO		None
STEAM GEN. WATER	- IMP. GAL.			T.M. BLOWER	M.U. CONTROL
OPERATING FEATURES		TRUCKS	COOLING FANS	2 Mechanical Drive	Yes
MAX. SPEED	65 M.P.H.	Flexicoil	One Mechanical Drive		
GEAR RATIO	62 : 15			MAIN GENERATOR	DYNAMIC BRAKE
T.E. STARTING			AIR BRAKE	E.M.D. D-15	No
T.E. CONTINUOUS	40,000		Westinghouse 6 BL		
OPER. CURVE ALONE: 57°	COUPLED: 38°				

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Auto Up-Manual Down Transition	Auto Transition with Forestalling Features	Four-Speed Solenoid Governor Control	Air Signal Line	Seal beam HL with Trainline Control
Elect. Pneumatic & Auto-Sanding Feature	Snowplow Electrical Connection			

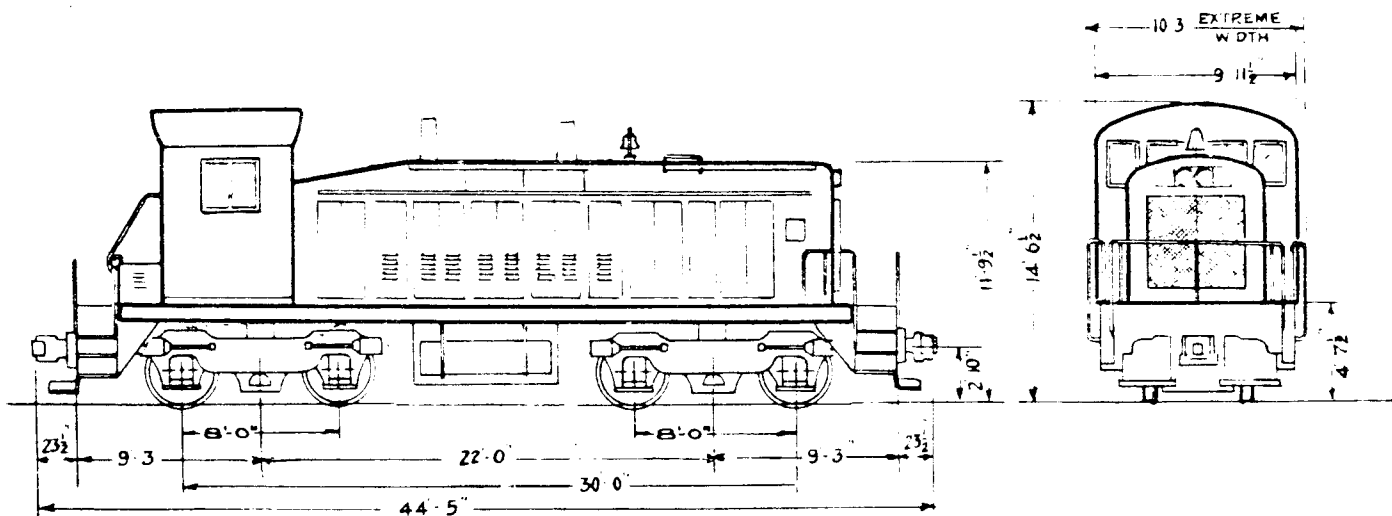
MECHANICAL DEPARTMENT

DIESEL UNIT DATA BOOK

CV1511
GR-12za CLASS GTW 1512-19 NUMBERS

DIESEL ENGINE: 1200 H.P.
E.M.D. 567 V Type
12 Cylinders 8½" bore 10" stroke
800 R.P.M. Full Speed
275 R.P.M. Idle Speed

WEIGHT	BUILDER	E.M.D.
	TOTAL	ORDER N ^o 4437
LIGHT	MODEL N ^o	SW-1200
LOADED	DATE BUILT	1960



RETIRED

CAPACITIES		WHEELS: TYPE & CLASS		STEAM GENERATOR		ELECTRICAL EQUIPMENT	
ENG. COOLING WATER	191 IMP. GAL.	A-40	C	None		TRACTION MOTORS	
LUBRICATING OIL	137 IMP. GAL.	JOURNALS: TYPE & SIZE		AIR COMPRESSOR		AUXILIARY GEN: TYPE & N ^o	
FUEL OIL	750 IMP. GAL.	Hyatt 6½" x 12"		Gardner-Denver WBO		E.M.D. D-47-B3	
SAND STORAGE	22 CU. FT.	TRUCKS		COOLING FANS		ALTERNATOR: TYPE & N ^o	
STEAM GEN. WATER	- IMP. GAL.	Flexicoil		1 Mechanical Drive		T.M. BLOWER MOTORS	
OPERATING FEATURES						2 Mechanical Drive	
MAX. SPEED	65 MPH					M.U. CONTROL	
GEAR RATIO	62:15					Yes	
T.E. STARTING				AIR BRAKE		DYNAMIC BRAKE	
T.E. CONTINUOUS	40,000			Westinghouse 26-L		None	
OPER. CURVE ALONE: 57°	COUPLED: 38°					MAIN GENERATOR	
						E.M.D. D-15	

Auto Up-Manual Down Transition	Auto Transition with Forestalling Features	Four-Speed Solenoid Governor Control	Speed Recorder - Indicator	Air Signal Line
Seal Beam HL with Trainline Control	Elect.Pneumatic and Auto-Sanding Feature	Combination Pilot and Footboard		

DEC 31 1974

MECHANICAL DEPARTMENT

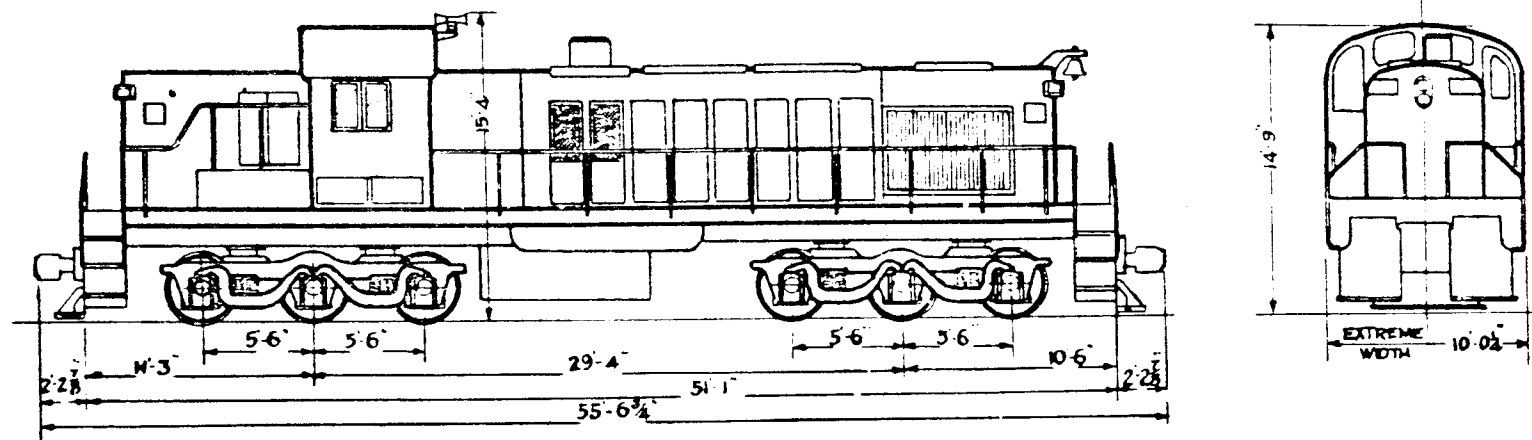
DIESEL UNIT DATA BOOK

MR-10a To 1700
CLASS NUMBERS

DIESEL ENGINE: 1000 H.P.
Also D.E.W. in Line Model 539
6 cylinder, 12 1/2" bore, 13" stroke
740 R.P.M. Full speed
275 R.P.M. Idling "

WEIGHT		DISTRIBUTION			
FR. MIN	REAR MIN.	TOTAL	FR. MAX.	REAR MAX.	TOTAL
LIGHT					
LOADED					238,000

BUILDER	M.L.W.
ORDER N ^o	30.4202
MODEL N ^o	RSC-13
DATE BUILT	1955



CAPACITIES		WHEELS: TYPE & CLASS	STEAM GENERATOR	ELECTRICAL EQUIPMENT	
ENG. COOLING WATER	200 IMP. GAL.	A-40 "C"	None	TRACTION MOTORS	AUXILIARY GEN: TYPE & N ^o
LUBRICATING OIL	67 IMP. GAL.			FOUR	G.E. GMG 139
FUEL OIL	1000 IMP. GAL.	JOURNALS: TYPE & SIZE	AIR COMPRESSOR	G.E. 731	ALTERNATOR: TYPE & N ^o
SAND STORAGE	27 CU. FT.	Timken 6 1/2" x 12"	Westinghouse 3 CD		
STEAM GEN. WATER	- IMP. GAL.			T.M. BLOWER	
OPERATING FEATURES		3 Axle TRUCKS	COOLING FANS	TWO	M.U. CONTROL
MAX. SPEED	60 MPH	2 Motor Swing Bolster	One	Sturtevant	Yes
GEAR RATIO	75 : 16	Front Model 5154C	Mechanical Drive	Mechanical Drive	
T.E. STARTING		Rear Model 51541		MAIN GENERATOR	DYNAMIC BRAKE
T.E. CONTINUOUS	30,000		AIR BRAKE	G.E. GT-553	No
OPER. CURVE ALONE: 30°	COUPLED:		Westinghouse 6 SL		

DEC 31 1974

Speed Recorder - Indicator	Air Signal Line	Seal Bear HL with Trainline Control	Elect. Pneumatic & Auto-Sanding Feature	Combination Pilot & Footboard
Fully Automatic Transition Units 1700 and 1701 Only	Auto Up-Manual Down Transition Units 1702 to 1704 Only	Steam Generator Remote Control Panel Units 1702 to 1704 Only	Snowplow Electrical Connection Units 1702 to 1704 Only	

MECHANICAL DEPARTMENT

DIESEL UNIT DATA BOOK

MR-106

1705-1710

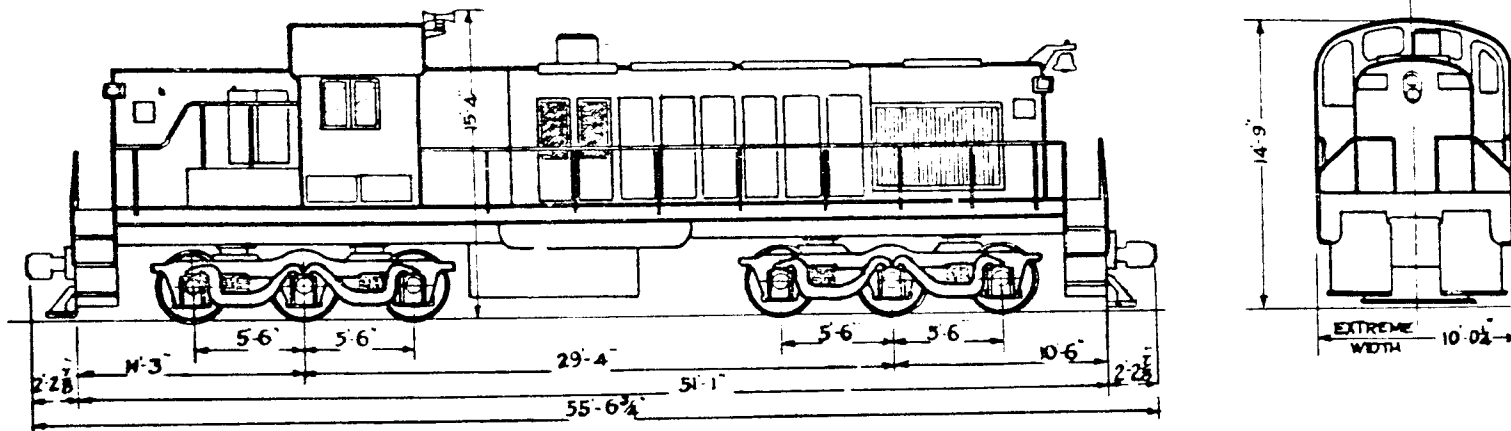
CLASS

NUMBERS

DIESEL ENGINE: 1000 H.P.
 Also D.E.W. in line Model 539
 6 cylinder, 12 1/2" bore, 13" stroke,
 740 R.P.M. full speed
 275 R.P.M. Idling "

		WEIGHT			DISTRIBUTION		
		FR. MIN	REAR MIN.	TOTAL	FR. MAX.	REAR MAX.	TOTAL
LIGHT							
LOADED							238,000

BUILDER	M.L.W.
ORDER N ^o	SO.4203
MODEL N ^o	R50-13
DATE BUILT	1955-1956



CAPACITIES		WHEELS: TYPE & CLASS	STEAM GENERATOR	ELECTRICAL EQUIPMENT	
ENG. COOLING WATER	200 IMP. GAL.	A-40 "C"	None	TRACTION MOTORS FOUR G.E. 731	AUXILIARY GEN: TYPE & N ^o G.E. G.M.G. 139
LUBRICATING OIL	67 IMP. GAL.	JOURNALS: TYPE & SIZE	AIR COMPRESSOR	T.M. BLOWER TWO Sturtevant Mechanical Drive	ALTERNATOR: TYPE & N ^o
FUEL OIL	1000 IMP. GAL.	Timken 6 1/2" x 12"	Westinghouse 3 CD		M.U. CONTROL Yes
SAND STORAGE	27 CU. FT.	TRUCKS	COOLING FANS	MAIN GENERATOR G.E. GT-553	DYNAMIC BRAKE No
STEAM GEN. WATER	- IMP. GAL.	3 Axle, 2 Motor, Swing Bolster	One Mechanical Drive		
OPERATING FEATURES		Front Model 51540	AIR BRAKE		
MAX. SPEED	60 M.P.H.	Rear Model 51541	Westinghouse 6 CL		
GEAR RATIO	75 : 16				
T.E. STARTING					
T.E. CONTINUOUS	30,000				
OPER. CURVE ALONE: 30°	COUPLED:				

DEC 31 1974

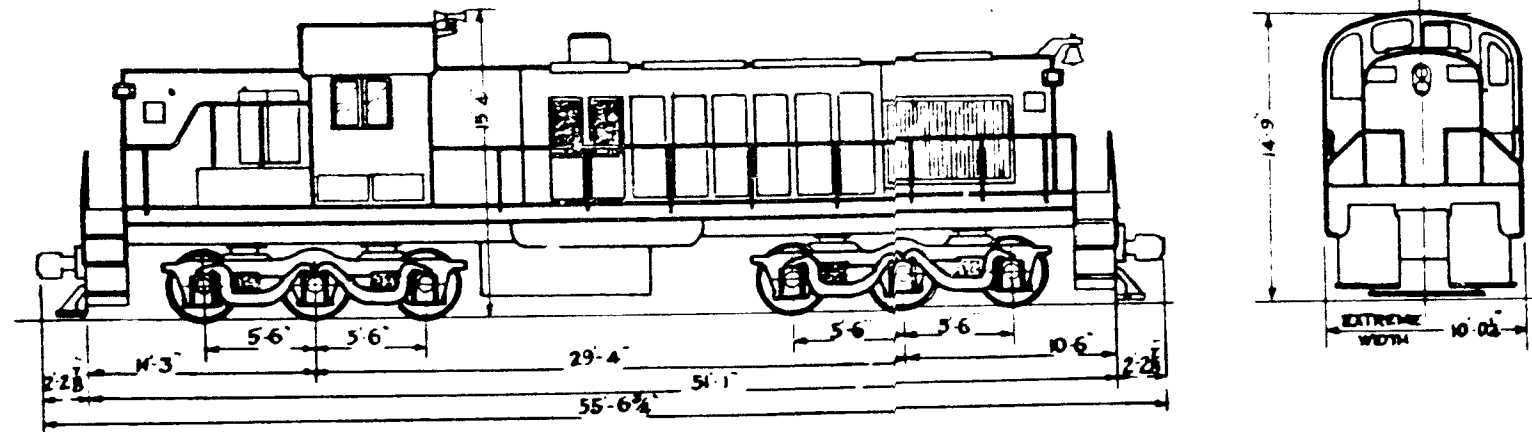
Speed Recorder - Indicator	Air Signal Line	Seal Beam HL with Trainline Control	Elect. Pneumatic & Auto-Sanding Feature	Combination Pilot and Footboard
Fully Automatic Transition Units 1705 to 1707 and 1710 Only	Auto Up-Manual Down Transition Units 1708 and 1709 Only	Steam Generator Remote Control Panel Units 1708 and 1709 Only	Snowplow Electrical Connection Units 1708 and 1709 Only	

MECHANICAL DEPARTMENT

DIESEL UNIT DATA BOOK

MR-10c 1711 1729
CLASS NUMBERS

DIESEL ENGINE: 1000 H.P. Alco D.E.W. in line Model 539 6 cylinder, 12 1/2" bore, 13" stroke, 750 R.P.M. Full speed 315 R.P.M. Idling "	WEIGHT		DISTRIBUTION				BUILDER	M.L.W.	
		FR. MIN	REAR MIN.	TOTAL	FR. MAX.	REAR MAX.	TOTAL	ORDER N ^o	SO. 1204
	LIGHT							MODEL N ^o	RSC-13
	LOADED						240,000	DATE BUILT	1956-1957



CAPACITIES		WHEELS: TYPE & CLASS A-40 "C" JOURNALS: TYPE & SIZE Timken 6 1/2" x 12"	STEAM GENERATOR None AIR COMPRESSOR Westinghouse 3 CD COOLING FANS One Mechanical Drive AIR BRAKE Westinghouse 6 SL	ELECTRICAL EQUIPMENT	
ENG. COOLING WATER	280 IMP. GAL.			TRACTION MOTORS FOUR G.E. 731	AUXILIARY GEN: TYPE & NR G.E. G.M.G. 139 ALTERNATOR: TYPE & NR
LUBRICATING OIL	67 IMP. GAL.	TRUCKS 3 Axle, 2 Motor, Swing Bolster Front Model 51540 Rear Model 51541	T.M. BLOWER TWO STURTEVANT MECHANICAL DRIVE	M.U. CONTROL Yes	
FUEL OIL	1000 IMP. GAL.			MAIN GENERATOR G.E. GT 553	DYNAMIC BRAKE No
SAND STORAGE	27 CU. FT.	OPERATING FEATURES			
STEAM GEN. WATER	- IMP. GAL.	MAX. SPEED 60 M.P.H. GEAR RATIO 75 : 16 T.E. STARTING T.E. CONTINUOUS 30,000 OPER. CURVE ALONE: 30° COUPLED:			

Fully Automatic Transition Units 1713, 1715, 1717 to 1719, 1723 to 1725 and 1729 only	Auto Up-Manual Down Transition Units 1711, 1712, 1714, 1716, 1720 to 1722, 1726 to 1728 Only	Steam Generator Remote Control Panel Units 1711, 1712, 1714, 1716, 1720 to 1722, 1726 to 1728 Only	Snowplow Electrical Connection Units 1711, 1712, 1714, 1716, 1720 to 1722, 1726 to 1728 Only	Speed Recorder - Indicator	Seal Beam HL with Trainline Control
				Combination Pilot and Footboard	Elect. Pneumatic and Auto-Sanding Feature

DEC 31 1974

MECHANICAL DEPARTMENT

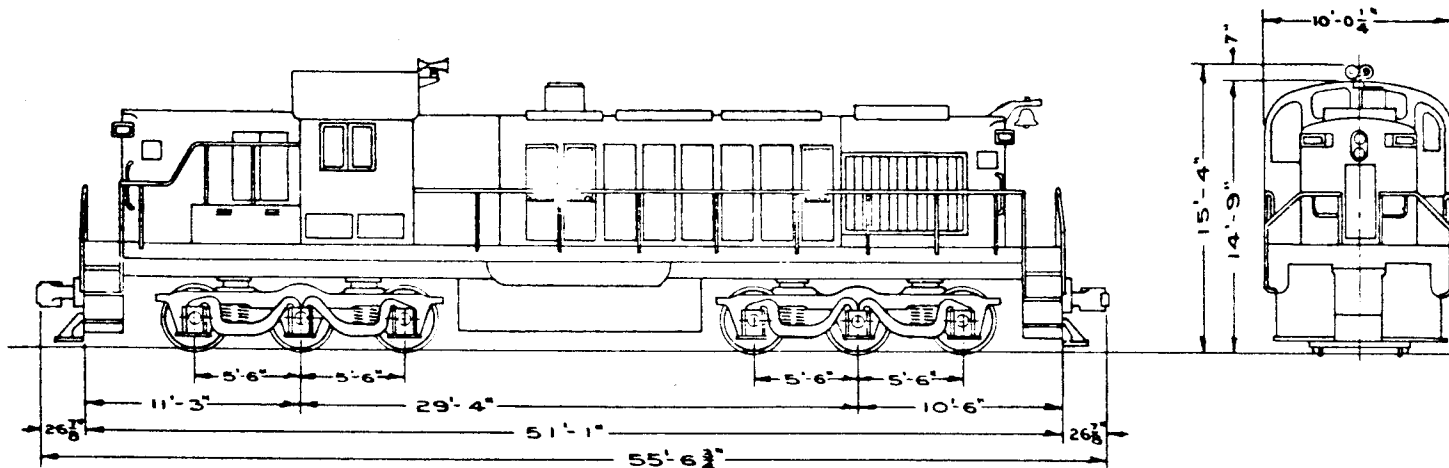
DIESEL UNIT DATA BOOK **MR 10 d** **1730-1734**

CLASS NUMBERS

DIESEL ENGINE: 1000 H.P.
 Alco D.E.W. in line Model 539
 6 cylinder, 12 $\frac{1}{2}$ " bore, 13" stroke,
 740 R.P.M. Full speed
 315 R.P.M. Idling "

WEIGHT	BUILDER	M.L.W.
	TOTAL	ORDER N ^o SO.4205
LIGHT	MODEL N ^o	RSC-13
LOADED	241,000	DATE BUILT 1957

RETIRED



CAPACITIES			WHEELS: TYPE & CLASS		STEAM GENERATOR		ELECTRICAL EQUIPMENT	
ENG. COOLING WATER	200	IMP. GAL.	A-40	"C"	None		TRACTION MOTORS	
LUBRICATING OIL	67	IMP. GAL.	JOURNALS: TYPE & SIZE Timken 6 $\frac{1}{2}$ " x 12"		AIR COMPRESSOR WESTINGHOUSE 3 CD		Four	
FUEL OIL	1000	IMP. GAL.					C.G.E. 731	
SAND STORAGE	27	CU. FT.	TRUCKS 3 Axle, 2 Motor, Swing Bols. Front Model 51540 Rear Model 51541		COOLING FANS One Mechanical Drive		ALTERNATOR: TYPE & N ^o	
STEAM GEN. WATER	-	IMP. GAL.					T.M. BLOWER MOTORS	
OPERATING FEATURES					AIR BRAKE Westinghouse 6 SL		Two	
MAX. SPEED	60	M.P.H.					Sturtevant	
GEAR RATIO	75 : 16						Mechanical Drive	
T.E. STARTING							MAIN GENERATOR	
T.E. CONTINUOUS	30,000		OPER. CURVE ALONE: 30 ^o COUPLED: 30 ^o		C.G.E. GT-553		M.U. CONTROL	
							DYNAMIC BRAKE	
							No	

Speed Recorder - Indicator	Air Signal Line	Seal Beam HL with Trainline Control	Elect. Pneumatic & Auto-Sanding Feature	Combination Pilot & Footboard
Fully Automatic Transition Excluding Unit 1734	Auto Up-Manual Down Transition Unit 1734 Only	Steam Generator Remote Control Panel Excluding Unit 1731	Snowplow Electrical Connection Excluding Units 1730 & 1733	

DEC 31 1974

MECHANICAL DEPARTMENT

DIESEL UNIT DATA BOOK

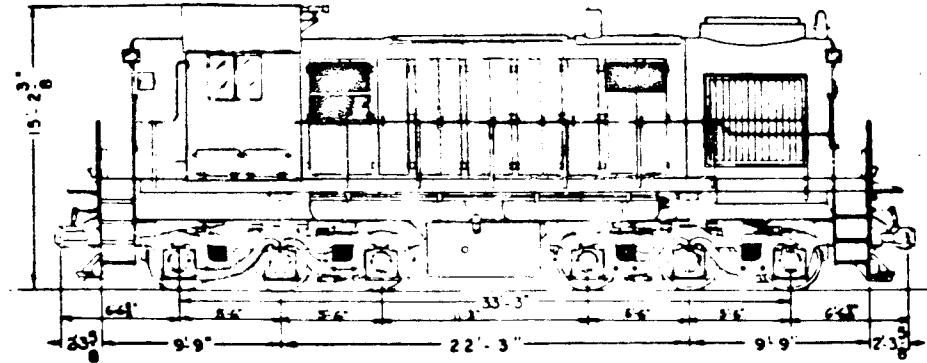
MR-14-a 1800-1803
CLASS NUMBERS

DIESEL ENGINE: 1400 H.P.
Alco D.E.W. 244 V-type
12 cylinder, 9" bore, 10 1/2" stroke,
1000 R.P.M. Full speed
400 R.P.M. Idling speed

	WEIGHT			DISTRIBUTION		
	FR. MIN	REAR MIN.	TOTAL	FR. MAX.	REAR MAX.	TOTAL
LIGHT						
LOADED						238,000

BUILDER	M.L.S.
ORDER N ^o	4211
MODEL N ^o	RSC-24
DATE BUILT	1959

RETIRED
1802



CAPACITIES			WHEELS: TYPE & CLASS	STEAM GENERATOR	ELECTRICAL EQUIPMENT	
ENG. COOLING WATER	208	IMP. GAL.	A-40 "C"	None	TRACTION MOTORS	AUXILIARY GEN: TYPE & N ^o
LUBRICATING OIL	166	IMP. GAL.	JOURNALS: TYPE & SIZE S.K.F. 6 1/2" x 12"	AIR COMPRESSOR Westinghouse 3 CDC	Four C.G.E. 752	C.G.E. GY-27
FUEL OIL	950	IMP. GAL.			TRUCKS 3 Axle 2 Motor Swing Bolster Model MT-5130	COOLING FANS One Koppers Mechanical Drive
SAND STORAGE	28	CU. FT.	OPERATING FEATURES	AIR BRAKE Westinghouse 26L		
STEAM GEN. WATER		IMP. GAL.			MAX. SPEED	65
			GEAR RATIO	7 1/2 : 18		DYNAMIC BRAKE
			T.E. STARTING			No
			T.E. CONTINUOUS	30,000 lbs	MAIN GENERATOR	
			OPER. CURVE ALONE: 38°	COUPLED: 30°	C.G.E. GT-581	

DEC 31 1974

Fully Automatic Transition	Four-Speed Solenoid Governor Control	Speed Recorder - Indicator	Steam Generator Remote Control Panel	Auxiliary Generator Trainline
Air Signal Line	Seal Beam HL with Trainline Control	Elect. Pneumatic & Auto-Sanding Feature	Combination Pilot & Footboard	Snowplow Electrical Connection

MECHANICAL DEPARTMENT

DIESEL UNIT DATA BOOK

GRG 12 n 1900-1903

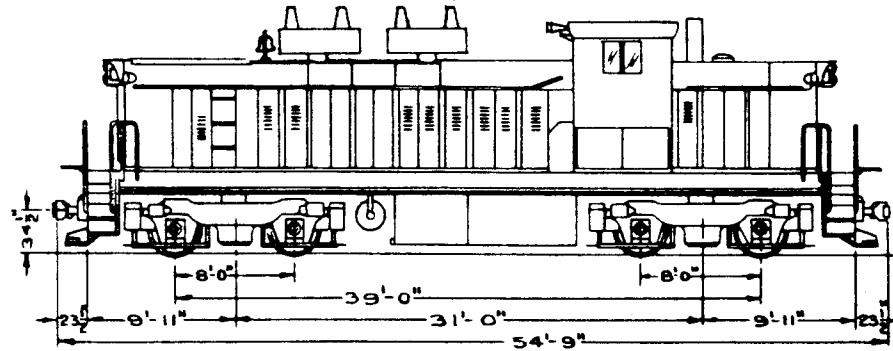
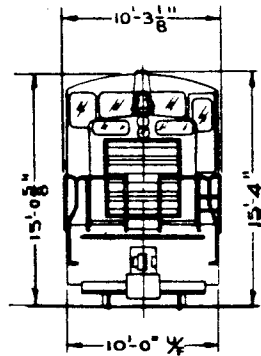
CLASS NUMBERS

DIESEL ENGINE : 1200 H.P.
 G.M. 567-C V-Type
 12 Cylinder, 8 1/2" Bore, 10" Stroke
 800 R.P.M. full speed
 275 R.P.M. Idling "

* 1900 - Order No. C-245
 1901-02-03 " C-254

WEIGHT	BUILDER	G.M.
	ORDER N ^o	.
LIGHT	MODEL N ^o	GMD-1
LOADED	DATE BUILT	1958

RETIRED



CAPACITIES		WHEELS : TYPE & CLASS	STEAM GENERATOR	ELECTRICAL EQUIPMENT
ENG. COOLING WATER	185 IMP. GAL.	D-40 "C"	Yes	TRACTION MOTORS
LUBRICATING OIL	137 IMP. GAL.	JOURNALS: TYPE & SIZE	AIR COMPRESSOR	G.M. D-47B 4 Motors
FUEL OIL	775 IMP. GAL.	Hyatt 6 1/2" x 12"	Gardner Denver WBO	AUXILIARY GEN: TYPE & N ^o
SAND STORAGE	27 CU. FT.	TRUCKS	COOLING FANS	GM A-8102-A1
STEAM GEN. WATER	1225 IMP. GAL.	Flexicoil	One Mechanical Drive	ALTERNATOR : TYPE & N ^o
OPERATING FEATURES		Air Signal Line	AIR BRAKE	None
MAX. SPEED	65 M.P.H.		Westinghouse 6-SL	M.U. CONTROL
GEAR RATIO	62 : 15			Yes
T.E. STARTING				DYNAMIC BRAKE
T.E. CONTINUOUS	40,000			No
OPER. CURVE ALONE: 39°	COUPLED: 21°			

DEC 31 1974

Auto Up-Manual Down Transition		Four-Speed Solenoid Governor Control	Speed Recorder - Indicator	Auxiliary Generator Trainline	Steam Generator Remote Control Panel
Seal Beam HL with Trainline Control	Elect. Pneumatic & Auto-Sanding Feature	Combination Pilot and Footboard	Snowplow Electrical Connection	Thru Steam Trainline	

MECHANICAL DEPARTMENT

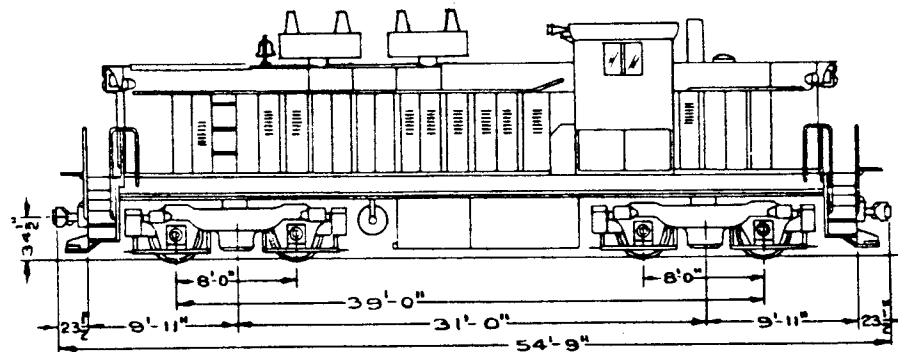
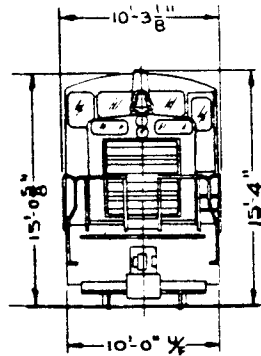
DIESEL UNIT DATA BOOK GR 12 n 1904-1917

CLASS NUMBERS

DIESEL ENGINE : 1200 H.P.
 G.M. 567-C V-Type
 12 Cylinder, 8 3/4" Bore, 10" Stroke
 800 R.P.M. full speed
 275 R.P.M. Idling "

WEIGHT	BUILDER	G.M.
	TOTAL	ORDER N° C-254
	LIGHT	MODEL N° GMD-1
LOADED	246,000	DATE BUILT 1958-1959

RETIRED



CAPACITIES		WHEELS : TYPE & CLASS	STEAM GENERATOR	ELECTRICAL EQUIPMENT	
ENG. COOLING WATER	185 IMP. GAL.	D-40 "C"	Inoperative (Capped)	TRACTION MOTORS	AUXILIARY GEN: TYPE & N°
LUBRICATING OIL	137 IMP. GAL.	JOURNALS: TYPE & SIZE	AIR COMPRESSOR	GM D-47B 4 Motors	GM A-8102-A1
FUEL OIL	775 IMP. GAL.	Hyatt 6 1/2" x 12"	Gardner Denver WBO	T.M. BLOWER MOTORS	ALTERNATOR : TYPE & N°
SAND STORAGE	27 CU. FT.	TRUCKS	COOLING FANS	2 Mechanical Drive	None
STEAM GEN. WATER	1225 IMP. GAL.	Flexicoil	One Mechanical Drive	MAIN GENERATOR	M.V. CONTROL
OPERATING FEATURES			AIR BRAKE	GM D-15-C	DYNAMIC BRAKE
MAX. SPEED	65 MPH		Westinghouse 6-SL		No
GEAR RATIO	62 : 15				
T.E. STARTING					
T.E. CONTINUOUS	40,000 lbs.				
OPER. CURVE ALONE:	COUPLED:				

DEC 31 1974

Auto Up-Manual Down Transition	Auto Transition With Forestalling Features	Four-Speed Solenoid Governor Control	Speed Recorder - Indicator	Auxiliary Generator Trainline	
Air Signal Line	Seal Beam HL with Trainline Control	Elect. Pneumatic & Auto-Sanding Feature	Combination Pilot & Footboard	Snowplow Electrical Connection	

MECHANICAL DEPARTMENT

DIESEL UNIT DATA BOOK

MR -10e

G.T.W. 1950

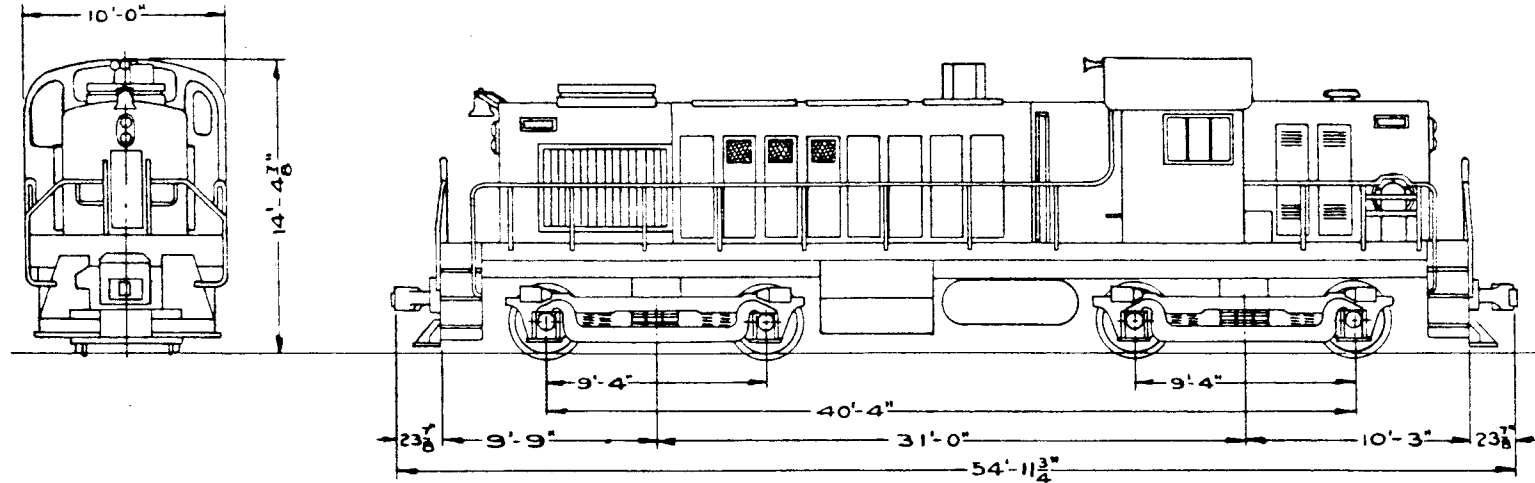
1951

CLASS

NUMBERS

DIESEL ENGINE: 1000 H.P.
 Alco Da Line 539
 6 Cylinder, 12 1/2" bore, 13" stroke,
 740 R.P.M. Full speed
 280 R.P.M. Idling "

WEIGHT		DISTRIBUTION					BUILDER	Alco
	FR. MIN	REAR MIN.	TOTAL	FR. MAX	REAR MAX	TOTAL	ORDER N ^o	SO.21072
LIGHT	116,040	112,210	228,690	116,480	112,930	228,970	MODEL N ^o	RS-1
LOADED	122,340	123,710	246,490	122,780	124,430	246,770	DATE BUILT	1957



CAPACITIES		WHEELS: TYPE & CLASS	STEAM GENERATOR	ELECTRICAL EQUIPMENT	
ENG. COOLING WATER	200 IMP. GAL.	A-40 "C"		TRACTION MOTORS	AUXILIARY GEN: TYPE & NR
LUBRICATING OIL	87 IMP. GAL.			FOUR G.E. 751	G.E. GMG-144 Comb.
FUEL OIL	666 IMP. GAL.	JOURNALS: TYPE & SIZE	AIR COMPRESSOR		ALTERNATOR: TYPE & NR
SAND STORAGE	27 CU. FT.	Timken 6 1/2" x 12"	Westinghouse 3 CD	T.M. BLOWER	
STEAM GEN. WATER	666 IMP. GAL.			Two Starvant Mechanical Drive	M.U. CONTROL
OPERATING FEATURES		TRUCKS	COOLING FANS	MAIN GENERATOR	DYNAMIC BRAKE
MAX. SPEED	60 M.P.H.	Heavy Swing Bolster Model MT-50740	One GE. Mechanical Drive	G.E. GT-553-A	No
GEAR RATIO	75 : 16		AIR BRAKE		
T.E. STARTING			Westinghouse 6 SL		
T.E. CONTINUOUS	34,000 lbs.				
OPER. CURVE ALONE: 57°	COUPLED: 57°				

DEC 31 1974

Auto Up-Manual Down Transition	Auto Transition with Forestalling Features	Speed Recorder - Indicator	Auxiliary Generator Trainline	Air Signal Line
Elect. Pneumatic & Auto-Sanding Feat.	Combination Pilot and footboard	Snowplow Electrical Connection		

Steam Trainline not in use to be tested if required. Thru steam Trainline Ends capped require piping inspection and application of Steam Connectors.

MECHANICAL DEPARTMENT

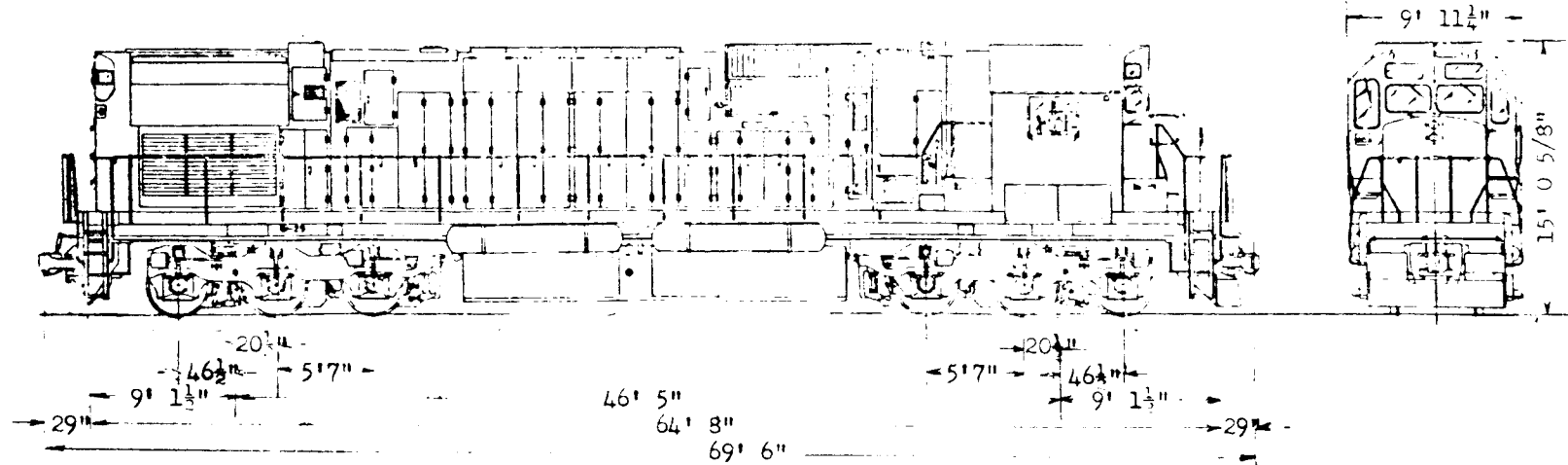
DIESEL UNIT DATA BOOK

MF-30-a 2000-2001

CLASS NUMBERS

DIESEL ENGINE : 3000 H.P.
 Alco 251-E V Type
 16 Cylinder 9" Bore 10½" Stroke
 1100 R.P.M. Full Speed

WEIGHT			DISTRIBUTION			BUILDER	M.L.W.
FR. MIN	REAR MIN.	TOTAL	FR. MAX.	REAR MAX.	TOTAL	ORDER N ^o	SO 4911
LIGHT						MODEL N ^o	Century 630
LOADED					386,000	DATE BUILT	1967



CAPACITIES		WHEELS : TYPE & CLASS	STEAM GENERATOR	ELECTRICAL EQUIPMENT
ENG. COOLING WATER	390 U.S. IMP. GAL.	A-40 "CR"	None	TRACTION MOTORS
LUBRICATING OIL	250 IMP. GAL.	JOURNALS: TYPE & SIZE	AIR COMPRESSOR	Six GE 752 P06
FUEL OIL	3200 IMP. GAL.	Timken 6½" x 12"	Westinghouse 3 CDCL	AUXILIARY GEN: TYPE & N ^o
SAND STORAGE	48 CU. FT.	OPERATING FEATURES	COOLING FANS	Two GE GY-27
STEAM GEN. WATER	IMP. GAL.	3 Axle TRUCKS 3 Motor High Adhesion	One GE Mechanical Drive	ALTERNATOR : TYPE & N ^o
			AIR BRAKE	T.M. BLOWER MOTORS
			Westinghouse 26L Unitized	Sturtevant Mechanical
				MAIN GENERATOR
MAX. SPEED	75 M.P.H.			Alternator GE GTA 9 E2
GEAR RATIO	65 : 18			
T.E. STARTING				M.U. CONTROL
T.E. CONTINUOUS	73,000 lbs			Yes
OPER. CURVE ALONE: 25°	COUPLED: 21°			DYNAMIC BRAKE (DISCONNECTED)
				Yes

DEC 31 1974

Fully Automatic Transition	Four-Speed Solenoid Governor Control	Speed Indicator	Steam Generator Remote Control Panel	Auxiliary Generator Trainline	Equipped with Combination Pilot and Foot-board at #2 End and Wraparound Pilot at #1 End.
Air Signal Line	Seal Beam HL with Trainline Control	Elect. Pneumatic and Auto-Sanding Feature	Automatic Locomotive Testing	Snowplow Electrical Connection	

MECHANICAL DEPARTMENT

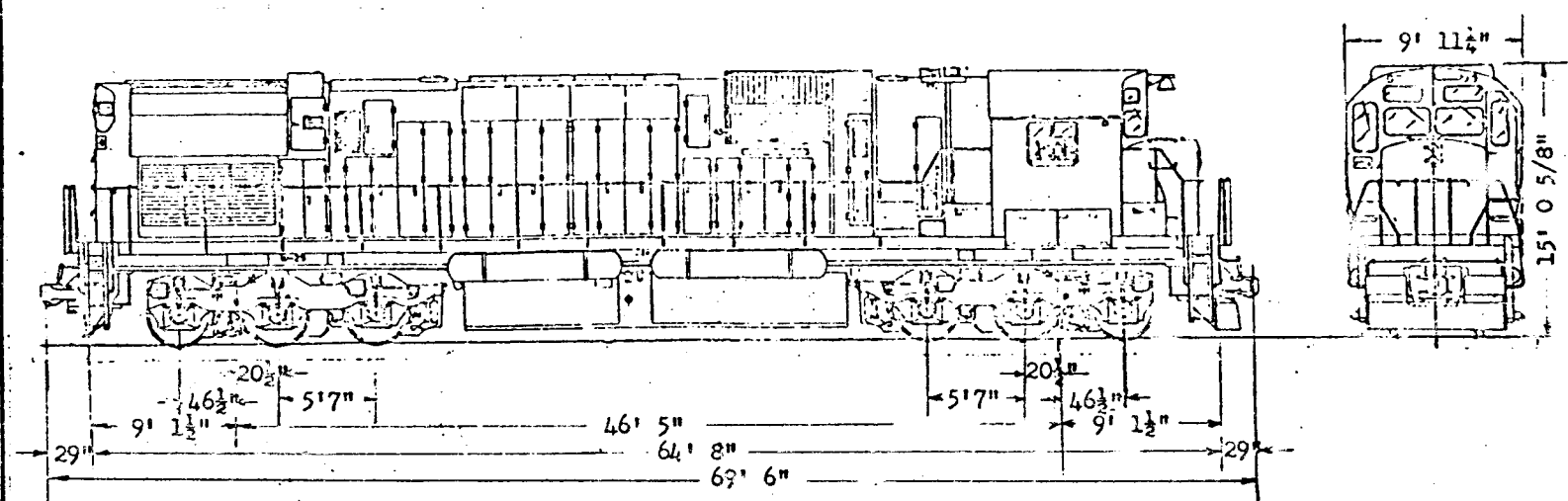
DIESEL UNIT DATA BOOK

MF 30 b

2002-2043

DIESEL ENGINE: 3000 H.P.
 Alco 251-E V Type
 16 Cylinder 9" Bore 10½" Stroke
 1050 R.P.M. Full Speed
 400 R.P.M. Idling Speed

WEIGHT		BUILDER	M.L.W.
TOTAL	388,000	ORDER N°	SO 4912
LIGHT		MODEL N°	Century 630
LOADED		DATE BUILT	1967-68



RETIRED

CAPACITIES			WHEELS: TYPE & CLASS	STEAM GENERATOR	ELECTRICAL EQUIPMENT	
ENG. COOLING WATER	325	IMP. GAL.	A-40 "CR"	None	TRACTION MOTORS	
LUBRICATING OIL	250	IMP. GAL.	JOURNALS: TYPE & SIZE Timken 5½" x 12"	AIR COMPRESSOR Westinghouse 3 CDCL	AUXILIARY GEN: TYPE & N°	
FUEL OIL	3200	IMP. GAL.			Two - GE GY-27	
SAND STORAGE	48	CU. FT.	TRUCKS 3 Axle 3 Motor High Adhesion	COOLING FANS GE Mechanical Drive	ALTERNATOR: TYPE & N°	
STEAM GEN. WATER		IMP. GAL.				
OPERATING FEATURES			T.E. CONTINUOUS	AIR BRAKE Westinghouse 26L Unitized	T.M. BLOWER MOTORS	
MAX. SPEED	75	M.P.H.			Sturtevant Mechanical	M.U. CONTROL
GEAR RATIO	65:18				Yes	
T.E. STARTING					MAIN GENERATOR Alternator GE GTA 9 E2	DYNAMIC BRAKE
T.E. CONTINUOUS	74,000 lbs.				No	
OPER. CURVE ALONE: 25°	COUPLED: 21°					

JULY 1977

Fully Automatic Transition	Four-Speed Solenoid Governor Control	Speed Indicator	Steam Generator Remote Control Panel	Auxiliary Generator Trainline	Equipped with Combination Pilot and Foot-board at #2 End and Wraparound Pilot at #1 End.
Air Signal Line	Seal Beam HL with Trainline Control	Elect. Pneumatic & Auto-Sanding Feature	Automatic Locomotive Latching		

MECHANICAL DEPARTMENT

DIESEL UNIT DATA BOOK **M F 36a**

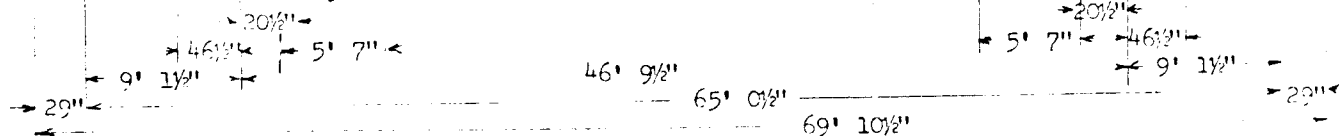
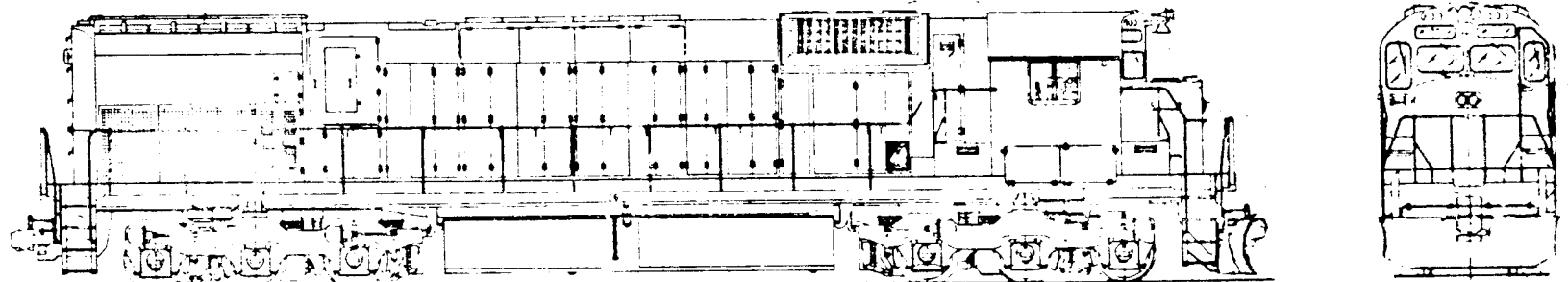
2300-2319

CLASS NUMBERS

DIESEL ENGINE: 3600 H.P.
Alco 251-F V Type
16 Cylinder 9" Bore 10½" Stroke
1100 R.P.M. Full Speed

WEIGHT	BUILDER	MLW-W
	ORDER N ^o	50-4918
LIGHT	MODEL N ^o	M 636
LOADED	DATE BUILT	1970

RETIRED



CAPACITIES		WHEELS: TYPE & CLASS	STEAM GENERATOR	ELECTRICAL EQUIPMENT
ENG. COOLING WATER	280 IMP. GAL.	A-40 "CR"	None	TRACTION MOTORS
LUBRICATING OIL	275 IMP. GAL.	JOURNALS: TYPE & SIZE	AIR COMPRESSOR	Auxiliary Gen: Type & N ^o
FUEL OIL	3400 IMP. GAL.			Westinghouse 3 CDCL
SAND STORAGE	56 CU. FT.	SKF 6½" x 12"	COOLING FANS	ALTERNATOR: TYPE & N ^o
STEAM GEN. WATER	- IMP. GAL.	TRUCKS	One - Mechanical Drive	T.M. BLOWER MOTORS
OPERATING FEATURES			3 Axle 3 Motor High Adhesion	AIR BRAKE
MAX. SPEED	75 MPH	OPER. CURVE ALONE: COUPLED: 230	Westinghouse 26 LUM	
GEAR RATIO	65:18			MAIN GENERATOR
T.E. STARTING			(Main Generator)	
T.E. CONTINUOUS	74,000 lbs.		One - CGE 5GTA11B2	No

DEC 31 1974

Fully Automatic Transition	Four-Speed Solenoid Governor Control	Speed Indicator	Air Signal Line	Seal Beam HL with Trainline Control
Elect. Pneumatic & Auto-Sanding Feature	Automatic Locomotive Testing	Snowplow Pilot #1 End No Footboards #2 End		

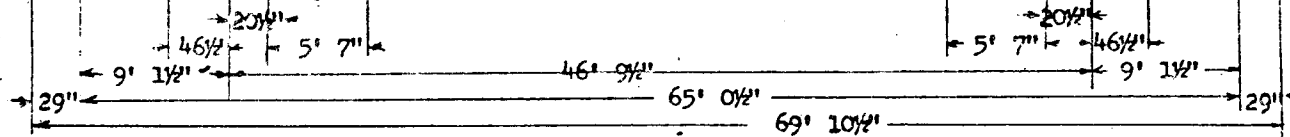
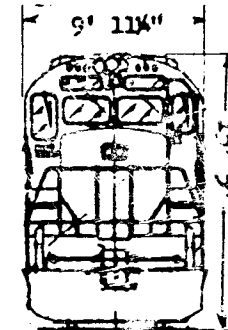
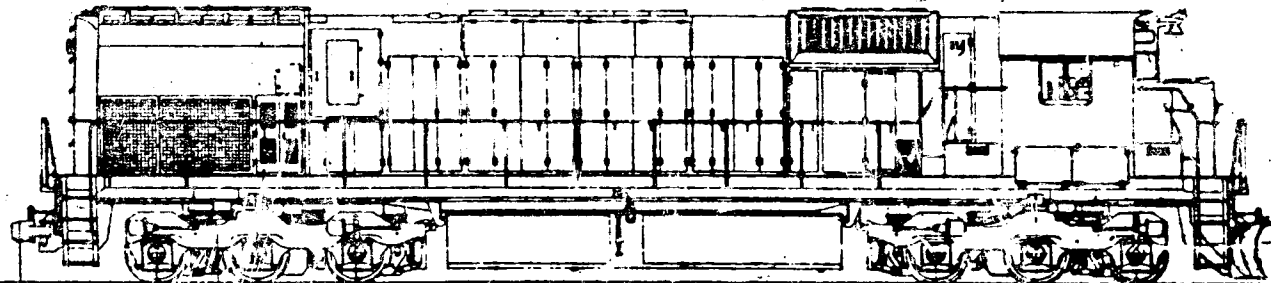
DIESEL ENGINE: 3600 H.P.
 Alco 251-F V Type
 16 Cylinder 9" Bore 10 1/2" Stroke
 1050 R.P.M. Full Speed
 400 R.P.M. Idling Speed

Units 2334 to 2339 equipped with Lubricating Oil Storage Tank

WEIGHT		BUILDER	MLW-W
TOTAL		ORDER N°	SO 4922
LIGHT		MODEL N°	M 636
LOADED	388,000	DATE BUILT	1971

RETIRED

2321
 2330
 2331



CAPACITIES		WHEELS: TYPE & CLASS	STEAM GENERATOR	ELECTRICAL EQUIPMENT
ENG. COOLING WATER	280 IMP. GAL.	A-40 "CR"	None	TRACTION MOTORS Six - CGE 752 PC6
LUBRICATING OIL	275 IMP. GAL.	JOURNALS: TYPE & SIZE SKF 6 1/2" x 12"	AIR COMPRESSOR Westinghouse 3 CDCL	
FUEL OIL	3400 IMP. GAL.			TRUCKS 3 Axle 3 Motor High Adhesion
SAND STORAGE	56 CU. FT.	OPERATING FEATURES	AIR BRAKE Westinghouse 26 LUM	
STEAM GEN. WATER	IMP. GAL.			MAX. SPEED 75 MPH
		GEAR RATIO 65:18		
		T.E. STARTING		
		T.E. CONTINUOUS 74,000 lbs.		
		OPER. CURVE ALONE: COUPLED: 23°		

JULY 1977

Fully Automatic Transition	Four-Speed Solenoid Governor Control	Speed Indicator	Air Signal Line	Seal Beam HL with Trainline Control
Elect. Pneumatic & Auto-Sanding Feature	Automatic Locomotive Testing	Snowplow Pilot End - No Footbrakes at End.		

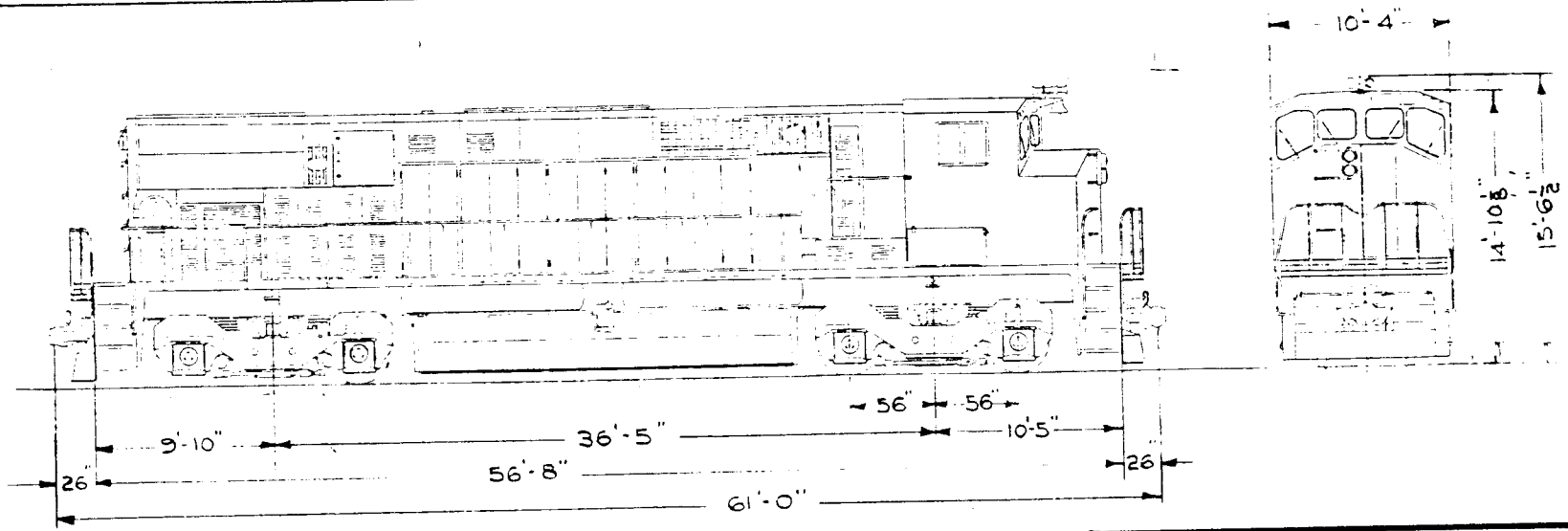
MECHANICAL DEPARTMENT

DIESEL UNIT DATA BOOK

MR-20a
CLASS

2500-2529
NUMBERS

DIESEL ENGINE : 2000 HP. Model 251-C3-V Type. 12 Cyl. 9" Bore 10-1/2" Stroke. 1050 RPM - Full Speed.	WEIGHT DISTRIBUTION						BUILDER	M.L.W.
		FR. MIN	REAR MIN.	TOTAL	FR. MAX.	REAR MAX.	ORDER N ^o	4929
	LIGHT						MODEL N ^o	M-420
	LOADED					262,000	DATE BUILT	1973.



CAPACITIES		WHEELS : TYPE & CLASS	STEAM GENERATOR	ELECTRICAL EQUIPMENT
ENG. COOLING WATER	260 IMP. GAL.	A-40 "C.R."	-	TRACTION MOTORS
LUBRICATING OIL	216 IMP. GAL.	JOURNALS: TYPE & SIZE	AIR COMPRESSOR	Four
FUEL OIL	2500 IMP. GAL.			GE 752PC6
SAND STORAGE	56 CU. FT.	SKF - 6-1/2" X 12"	Westinghouse	Exciter
STEAM GEN. WATER	- IMP. GAL.	TRUCKS	3 CDCL	GY 27PH1
OPERATING FEATURES			2 Axle - 2 Motor	COOLING FANS
MAX. SPEED	65 MPH	Hi-Adhesion	Mechanical Drive	Chicago Blower Mechanical.
GEAR RATIO	65:18		AIR BRAKE	Exciter
T.E. STARTING				GY 27PH1
T.E. CONTINUOUS	50,000 LBS.			M.U. CONTROL
OPER. CURVE ALONE: 39°	COUPLED: 30°			Yes
				DYNAMIC BRAKE
				No

DEC 31 1974

Fully Automatic Transition	Four-Speed Solenoid Governor Control	Speed Indicator	Seal Beam HL with Trainline Control	Elect. Pneumatic & Auto-Sanding Feature
Automatic Locomotive Testing	Snowplow Pilot #1 End. No Footboards #2 End.	Straight air (Snowplow Service)		

MECHANICAL DEPARTMENT

DIESEL UNIT DATA BOOK

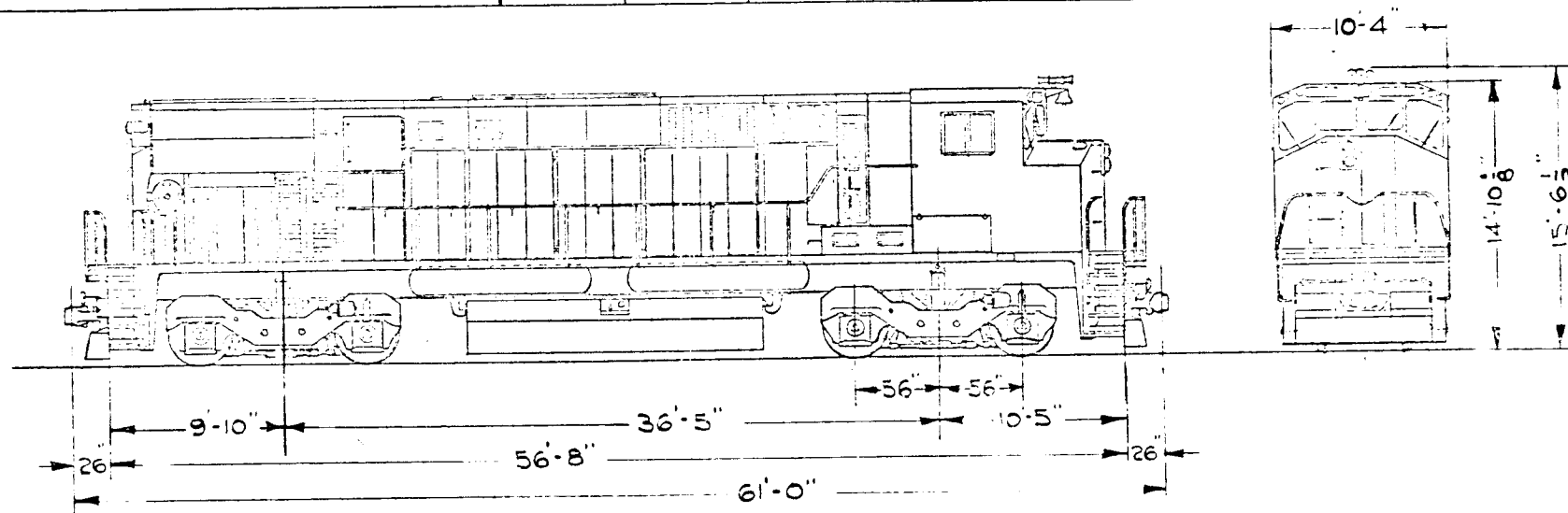
MR-20 b

2530-2559

CLASS

NUMBERS

DIESEL ENGINE : 2000 H.P. Model 251-C3-V Type 12 Cyl. 9" Bore - 10-1/2" Stroke 1050 R.P.M. - Full Speed.	WEIGHT DISTRIBUTION						BUILDER	M.L.W.
	FR. MIN	REAR MIN.	TOTAL	FR. MAX.	REAR MAX.	TOTAL	ORDER N ^o	4934
	LIGHT						MODEL N ^o	M-420
	LOADED					260,000	DATE BUILT	1974



CAPACITIES		WHEELS : TYPE & CLASS	STEAM GENERATOR	ELECTRICAL EQUIPMENT	
ENG. COOLING WATER	260 IMP. GAL.	A-40 "CR"	-	TRACTION MOTORS	AUXILIARY GEN: TYPE & N ^o
LUBRICATING OIL	216 IMP. GAL.	JOURNALS: TYPE & SIZE	AIR COMPRESSOR	Four	GY 27 PH1
FUEL OIL	2500 IMP. GAL.			GE-752 PC6	ALTERNATOR : TYPE & N ^o
SAND STORAGE	56 CU. FT.	SKF - 6-1/2" X 12"	Westinghouse	3 CDCL	Exciter
STEAM GEN. WATER	- IMP. GAL.	TRUCKS	COOLING FANS	Chicago Blower	GY 27 PH1
OPERATING FEATURES			2 Axle - 2 Motor	Mechanical Drive	Mechanical
MAX. SPEED	65 M.P.H.	Hi-Adhesion	AIR BRAKE	MAIN GENERATOR	Yes
GEAR RATIO	65 : 18		WAB-26 LUM	Alternator	DYNAMIC BRAKE
T.E. STARTING				GTA 17 PB1	No
T.E. CONTINUOUS	50,000 LBS.				
OPER. CURVE ALONE: 39°	COUPLED: 30°				

Fully Automatic Transition	Four-Speed Solenoid Governor Control	Speed Indicator	Seal Beam HI. with Trainline Control	Elect. Pneumatic & Auto-Sanding Feature	
Automatic Locomotive Testing	Snowplow Pilot #1 End No Footboards #2 End	Straight Air (Snowplow Service)			

DEC 31 1974

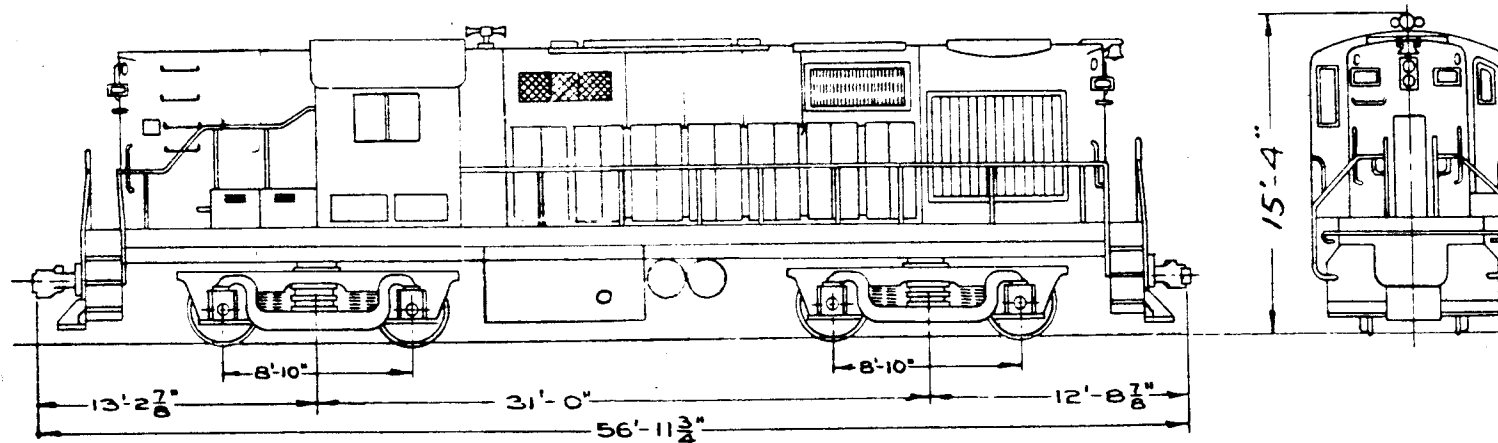
MECHANICAL DEPARTMENT

DIESEL UNIT DATA BOOK

MR-18e ³¹⁰⁰
CLASS To 3129
NUMBERS

DIESEL ENGINE: 1800 H.P.
Also D.E.W. #251B V-type
12 cylinder, 9" bore, 10 1/2" stroke,
1000 R.P.M. full speed
400 R.P.M. Idling "

WEIGHT DISTRIBUTION				BUILDER	M.L.W.
			TOTAL	ORDER N ^o	4910
				MODEL N ^o	RS-18
LOADED		Before Mod. 8080	230,000	DATE BUILT	1959
Loaded		After Mod. 8080	235,000		



CAPACITIES		WHEELS: TYPE & CLASS		STEAM GENERATOR	ELECTRICAL EQUIPMENT	
ENG. COOLING WATER	208 IMP. GAL.	A-40	"C"	None	TRACTION MOTORS	AUXILIARY GEN: TYPE & N ^o
LUBRICATING OIL	188 IMP. GAL.	JOURNALS: TYPE & SIZE		AIR COMPRESSOR	Four	C.G.E. GY-27
FUEL OIL	1000 IMP. GAL.	SKF 6 1/2" x 12"		Westinghouse 3 CDC	C.G.E. 752	ALTERNATOR: TYPE & N ^o
SAND STORAGE	28 CU. FT.	TRUCKS		COOLING FANS	T.M. BLOWER	M.U. CONTROL
STEAM GEN. WATER	" IMP. GAL.	Before Mod. 8080		One G.E.	Two Sturtevant	Yes
OPERATING FEATURES		Light Swing Bolster Model		Mechanical Drive	Mechanical Drive	DYNAMIC BRAKE
MAX. SPEED	80 M.P.H.	After Mod. 8080		AIR BRAKE	MAIN GENERATOR	Yes
GEAR RATIO	64 : 19	Heavy Swing Bolster		Westinghouse 26 L	C.G.E. 57-581	(IN SHORT HOOD) (DISCONNECTED)
T.E. STARTING						
T.E. CONTINUOUS	44,000 lbs					
OPER. CURVE ALONE	30					
COUPLED	30					

DEC 31 1974

Fully Automatic Transition	Four-Speed Solenoid Governor Control	Speed Recorder - Indicator	Steam Generator Remote Control Panel	Auxiliary Generator Trainline	Snowplow Electrical Connection Excluding Units 3115 and 3121
Air Signal Line	Seal Beam HL with Trainline Control	Elect. Pneumatic & Auto-Sanding Feature	Combination Pilot and Footboard	End Valves Removed Only Units 3102, 3106, 3107 and 3109 Only	

MECHANICAL DEPARTMENT

DIESEL UNIT DATA BOOK

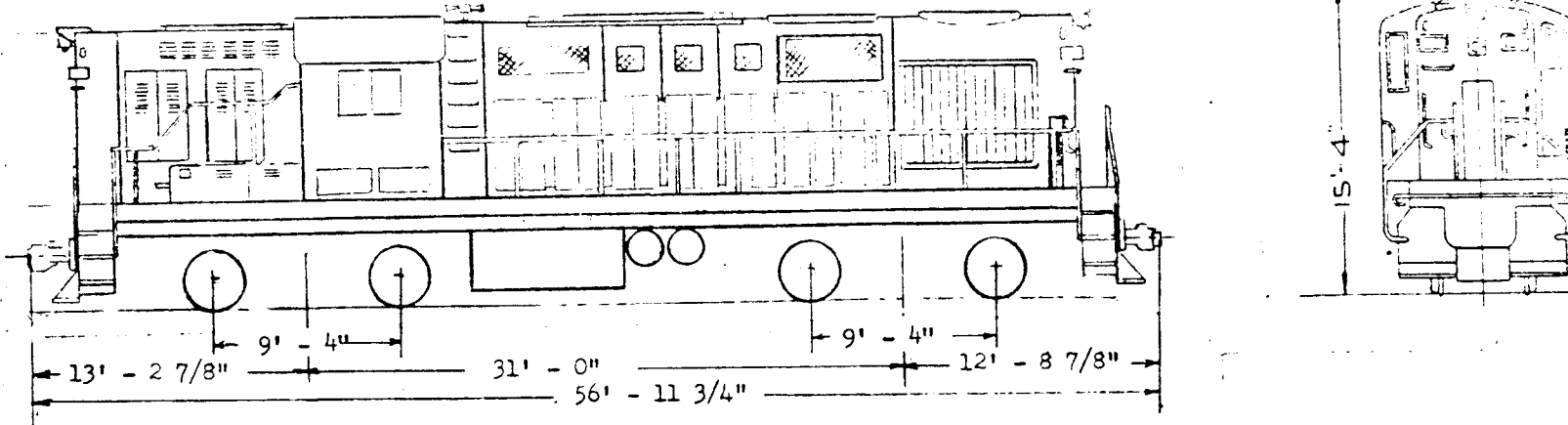
MR 18g 3151 & 3153
MRE 18g 3150-52-54-55
CLASS NUMBERS

DIESEL ENGINE: 1800 H.P.
Alco D.E.W. 251-B V Type
12 Cylinder, 9" Bore, 10 1/2" Stroke,
1000 R.P.M. Full Speed
400 R.P.M. Idling Speed

POWER SUPPLY FOR TRAIN CONSIST ADDED IN 1968
Diesel Engine Cummins VT12-700 BIG Alternator
G.E. ATI-740 Series - Units 3150 to 3155
Units with Power Supply Removed 1970 - #3151 & 3153
Units with Power Supply Retained - #3150-3152-3154-3155

WEIGHT	BUILDER	M.L.W.
TOTAL LOADED	ORDER N°	4812
239,000	MODEL N°	DL-718
255,000	DATE BUILT	1960

RETIRED



CAPACITIES		WHEELS: TYPE & CLASS	STEAM GENERATOR	ELECTRICAL EQUIPMENT	
ENG. COOLING WATER	208 IMP. GAL.	A-40 "BR"	None	TRACTION MOTORS	AUXILIARY GEN: TYPE & N°
LUBRICATING OIL	166 IMP. GAL.	JOURNALS: TYPE & SIZE	AIR COMPRESSOR	Four - CGE-752	CGE GY-27
FUEL OIL	1000 IMP. GAL.	"GG" 6 1/2 x 12"	Westinghouse 3 CDC	T.M. BLOWER MOTORS	ALTERNATOR: TYPE & N°
SAND STORAGE	21 CU. FT.	TRUCKS	COOLING FANS	Two	None
STEAM GEN. WATER	- IMP. GAL.	Heavy Weight Swing Bolster	One - G.E. Mechanical Drive	Mechanical Drive	M.U. CONTROL
OPERATING FEATURES		Dual Control	AIR BRAKE	MAIN GENERATOR	DYNAMIC BRAKE
MAX. SPEED	92 M.P.H.		Westinghouse 26L	CGE GT-581	None
GEAR RATIO	62 - 21				
T.E. STARTING					
T.E. CONTINUOUS	38,000 lbs.				
OPER. CURVE ALONE: 30°	COUPLED: 30°				

Fully Automatic Transition	Four-Speed Solenoid Governor Control	Speed Recorder - Indicator	Auxiliary Generator Trainline	Air Signal Line
Seal Beam HL with Trainline Control	Elect. Pneumatic & Auto-Sanding Feature	Wraparound Pilot at both ends	Snowplow Electrical Connection Excluding Unit 3154	Elect. Train Heating Units 3150-3152-3154 and 3155 Only.

DEC 31 1974

MECHANICAL DEPARTMENT

DIESEL UNIT DATA BOOK

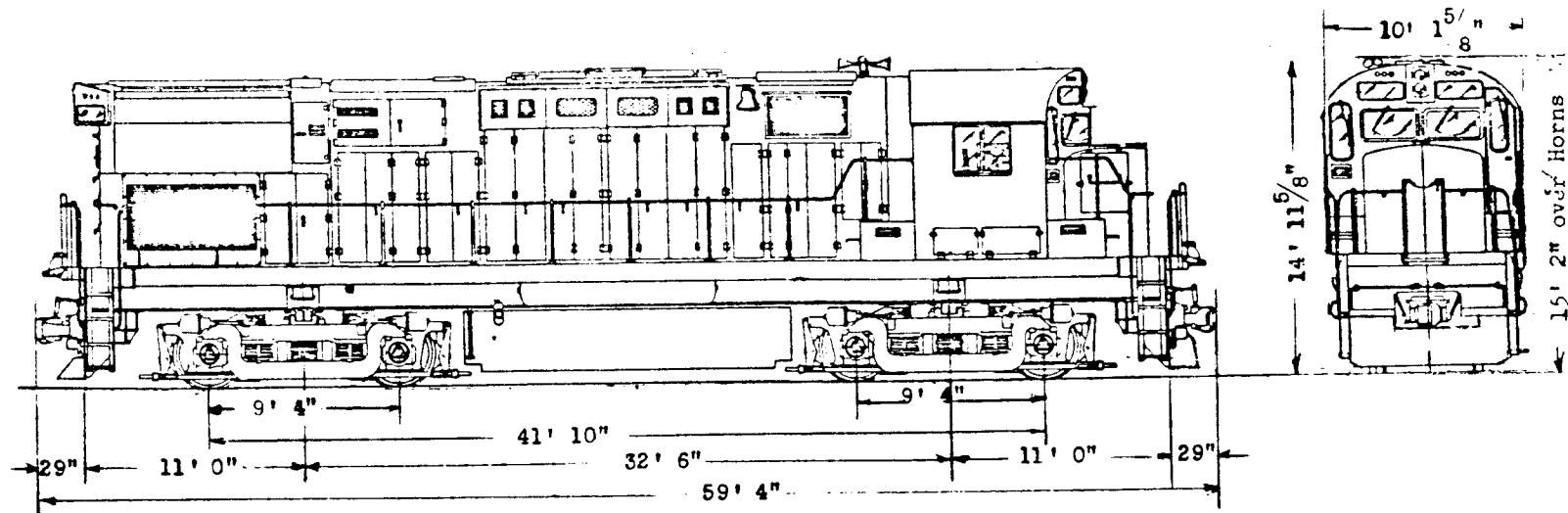
MR-24-a
CLASS

3200
3201
NUMBERS

DIESEL ENGINE: 2400 H.P.
Alco 251-B
16 Cylinder 9" Bore 10 1/2" Stroke
1025 R.P.M. Full Speed
400 R.P.M. Idle Speed

	WEIGHT			DISTRIBUTION		
	FR. MIN	REAR MIN.	TOTAL	FR. MAX.	REAR MAX.	TOTAL
LIGHT						
LOADED						260,000

BUILDER	M.L.W.
ORDER N°	4904
MODEL N°	Century 424
DATE BUILT	1964



CAPACITIES		WHEELS: TYPE & CLASS	STEAM GENERATOR	ELECTRICAL EQUIPMENT	
ENG. COOLING WATER	320 IMP. GAL.	A-40 "CR"	None	TRACTION MOTORS	AUXILIARY GEN: TYPE & N°
LUBRICATING OIL	250 IMP. GAL.			Four GE 752 PC 5	GE GY-27 PF1
FUEL OIL	2000 IMP. GAL.	JOURNALS: TYPE & SIZE	AIR COMPRESSOR	T.M. BLOWER MOTORS	ALTERNATOR: TYPE & N°
SAND STORAGE	28 CU. FT.	SKF 6 1/2" x 12"	Westinghouse 3 CDCL	MECHANICAL	-
STEAM GEN. WATER	- IMP. GAL.	TRUCKS	COOLING FANS	MAIN GENERATOR	M.U. CONTROL
OPERATING FEATURES		Heavy Swing Bolster	One	GE GT-581 Pc7	Yes
MAX. SPEED	75 M.P.H.		AIR BRAKE		DYNAMIC BRAKE
GEAR RATIO	65:18		Westinghouse 26-L		-
T.E. STARTING					
T.E. CONTINUOUS	47,000 #				
OPER. CURVE ALONE: 39°	COUPLED: 30°				

DEC 31 1974

Fully Automatic Transition	Four-Speed Solenoid Governor Control	Speed Indicator	Steam Generator Remote Control Panel	Auxiliary Generator Trainline	Equipped with Combination Pilot and Footboard at #2 End and Wraparound Pilot at #1 End.
Air Signal Line	Seal Beam HL with Trainline Control	Elect. pneumatic & Auto-Sanding Feature	Automatic Locomotive Testing	Snowplow Electrical Connection	

MECHANICAL DEPARTMENT

DIESEL UNIT DATA BOOK

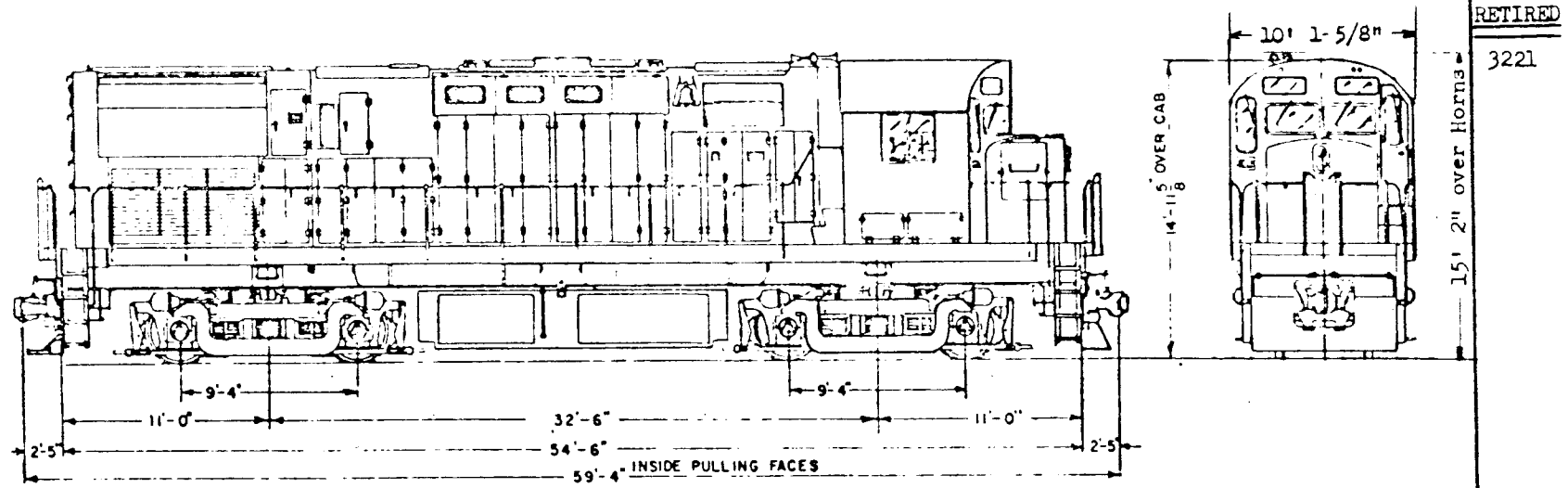
MR-24-b

3202-3221

CLASS

NUMBERS

DIESEL ENGINE: 2400 H.P. Alco 251-B V Type 16 Cylinder 9" Bore 10½" Stroke 1025 R.P.M. Full Speed 400 R.P.M. Idle Speed	WEIGHT DISTRIBUTION						BUILDER	M.L.W.
		FR. MIN	REAR MIN.	TOTAL	FR. MAX.	REAR MAX.	TOTAL	ORDER N ^o
	LIGHT							MODEL N ^o
	LOADED						260,000	DATE BUILT
								4907:4908
								Century 424
								1966



RETIRED
3221

CAPACITIES		WHEELS: TYPE & CLASS	STEAM GENERATOR	ELECTRICAL EQUIPMENT	
ENG. COOLING WATER	250 IMP. GAL.	A-40 "CR"	None	TRACTION MOTORS	AUXILIARY GEN: TYPE & N ^o
LUBRICATING OIL	200 IMP. GAL.	JOURNALS: TYPE & SIZE	AIR COMPRESSOR	Four GE 752 PC 6	GE GY-27 PF1
FUEL OIL	2000 IMP. GAL.	SKF 6½" x 12"	Westinghouse 3 CDCL	T.M. BLOWER MOTORS	ALTERNATOR: TYPE & N ^o
SAND STORAGE	28 CU. FT.	TRUCKS	COOLING FANS	Sturtevant Mechanical	-
STEAM GEN. WATER	IMP. GAL.	Heavyweight Swing Bolster	One GE Mechanical Drive	MAIN GENERATOR	M.U. CONTROL
OPERATING FEATURES			AIR BRAKE	GE GT 581 PC7	Yes
MAX. SPEED	75 M.P.H.		Westinghouse 26L		DYNAMIC BRAKE
GEAR RATIO	65:18				
T.E. STARTING					
T.E. CONTINUOUS	47,000 lbs.				
OPER. CURVE ALONE:	39° COUPLED: 30°				

Fully Automatic Transition	Four-Speed Solenoid Governor Control	Speed Indicator	Steam Generator Remote Control Panel	Auxiliary Generator Trainline	Equipped with Combination Pilot and Foot-board at #2 End and Wraparound Pilot at #1 End.
Air Signal Line	Seal Beam HL with Trainline Control	Elect. Pneumatic & auto-Sanding Feature	Automatic Locomotive Testing	Snowplow Electrical Connection Excluding Units 3205, 3206, 3208, 3213, 3215, 3219	

DEC 31 1974

MECHANICAL DEPARTMENT

DIESEL UNIT DATA BOOK

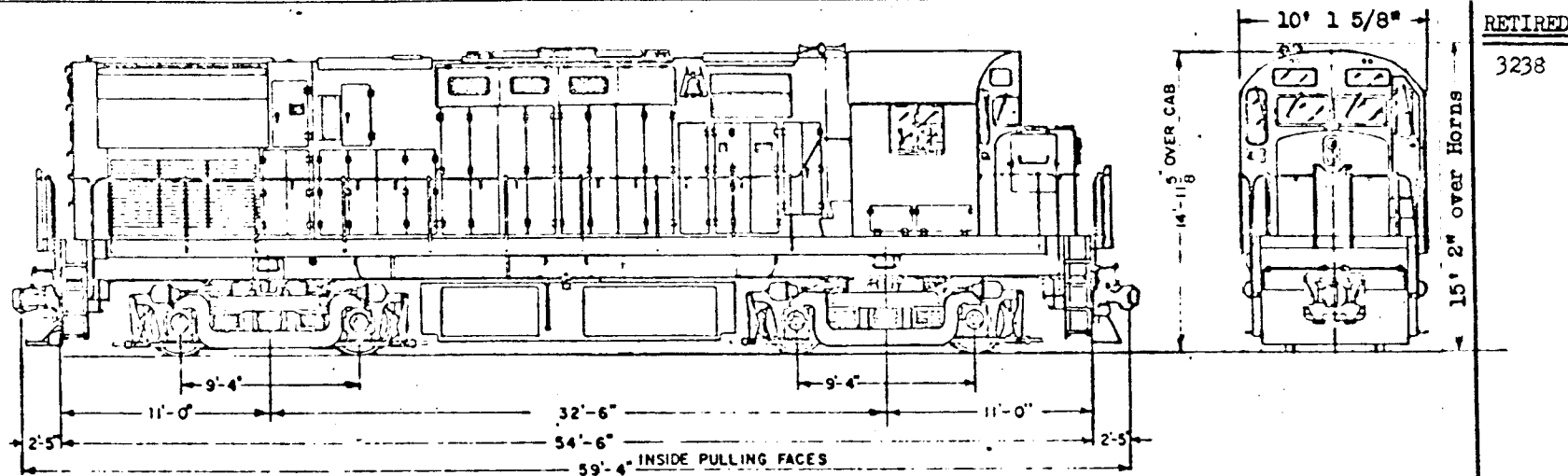
MR-24-c 3222-3240

CLASS NUMBERS

DIESEL ENGINE : 2400 H.P.
 Alco 251-B V Type
 16 Cylinder 9" Bore 10 1/2" Stroke
 1025 R.P.M. Full Speed
 400 R.P.M. Idle Speed

		WEIGHT DISTRIBUTION					
		FR. MIN	REAR MIN.	TOTAL	FR. MAX.	REAR MAX.	TOTAL
LIGHT							
LOADED							260,000

BUILDER	M.L.W.
ORDER N ^o	4909
MODEL N ^o	Century 424
DATE BUILT	1967



CAPACITIES	
ENG. COOLING WATER	250 IMP. GAL.
LUBRICATING OIL	200 IMP. GAL.
FUEL OIL	2000 IMP. GAL.
SAND STORAGE	28 CU. FT.
STEAM GEN. WATER	IMP. GAL.

WHEELS : TYPE & CLASS
A-40 "CR"
JOURNALS: TYPE & SIZE
SKF 6 1/2" x 12"
TRUCKS
Heavyweight Swing Bolster

STEAM GENERATOR
None
AIR COMPRESSOR
Westinghouse 3 CDCL
COOLING FANS
One GE Mechanical Drive
AIR BRAKE
Westinghouse 26L Unitized

ELECTRICAL EQUIPMENT	
TRACTION MOTORS	Four GE 752 PC 6
T.M. BLOWER MOTORS	Sturtevant Mechanical
MAIN GENERATOR	GE GT-581 P07
AUXILIARY GEN: TYPE & N ^o	GE GY-27 PFI
ALTERNATOR : TYPE & N ^o	

OPERATING FEATURES	
MAX. SPEED	75 M.P.H.
GEAR RATIO	65:18
T.E. STARTING	
T.E. CONTINUOUS	47,000 lbs.
OPER. CURVE ALONE: 39°	COUPLED: 30°

TRUCKS
Heavyweight Swing Bolster

EQUIPMENT	
M.U. CONTROL	Yes
DYNAMIC BRAKE	

DEC 31 1974

Fully Automatic Transition	Four-Speed Solenoid Governor Control	Speed Indicator	Steam Generator Remote Control Panel	Auxiliary Generator Trainline
Air Signal Line	Seal Beam HL with Trainline Control	Elect. Pneumatic and Auto-Sanding Feature	Automatic Locomotive Testing	Snowplow Electrical Connection Excluding Units 3222, and 3223

Equipped with Combination Pilot and Footboard at #2 End and Wraparound Pilot at #1 End.

MECHANICAL DEPARTMENT

DIESEL UNIT DATA BOOK

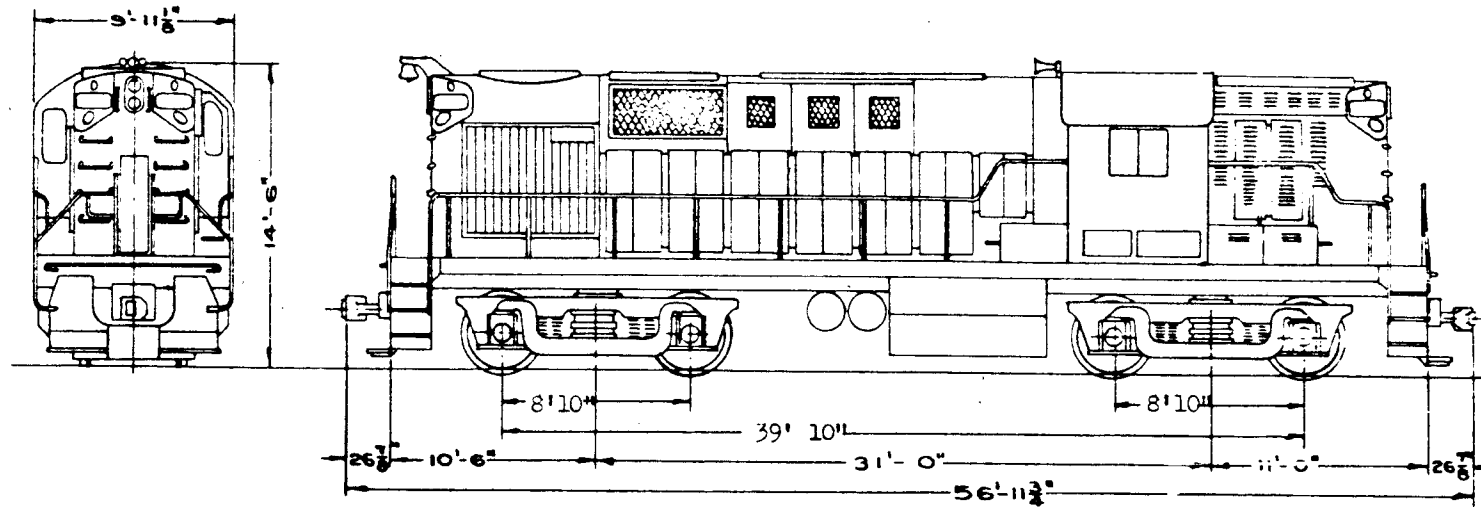
MR-18a DWP 3600-14

CLASS NUMBERS

DIESEL ENGINE : 1800 H.P.
Alco 251-B V-Type
12 cylinder, 9" bore, 10½" stroke,
1000 R.P.M. Full speed
400 R.P.M. Idling "

WEIGHT	BUILDER	Alco
	ORDER N ^o	SO.21032
TOTAL	MODEL N ^o	RS-11
LIGHT	DATE BUILT	1956
LOADED		

RETIRED



CAPACITIES			WHEELS : TYPE & CLASS		STEAM GENERATOR		ELECTRICAL EQUIPMENT	
ENG. COOLING WATER	200	IMP. GAL.	A-40	"C"	None		TRACTION MOTORS	
LUBRICATING OIL	166	IMP. GAL.	JOURNALS: TYPE & SIZE		AIR COMPRESSOR		FOUR	
FUEL OIL	1000	IMP. GAL.	Timken	6½" x 12"	Westinghouse 3 CDC		G.E. 752	
SAND STORAGE	28	CU. FT.	TRUCKS		COOLING FANS		T.M. BLOWER MOTORS	
STEAM GEN. WATER	-	IMP. GAL.	Light Swing Bolster Model MT-5050		ONE Aphonic G.E.		TWO Sturtevant Multi-Vane	
OPERATING FEATURES			AIR BRAKE		Westinghouse 24-RL		MAIN GENERATOR	
MAX. SPEED	65	M.P.H.					G.E. GT-581	
GEAR RATIO	74:18						AUXILIARY GEN: TYPE & N^o	
T.E. STARTING							G.E. GY-27	
T.E. CONTINUOUS	44,000						ALTERNATOR : TYPE & N^o	
OPER. CURVE ALONE: 390	COUPLED: 300						M.U. CONTROL	
							YES	
							DYNAMIC BRAKE	
							YES In Long Hood	

DEC 31 1974

Fully Automatic Transition	Four-Speed Solenoid Governor Control	Speed Recorder - Indicator	Steam Generator Remote Control Panel	Auxiliary Generator Trainline
Air Signal Line	Seal Beam HL with Trainline Control	Elect. Pneumatic & Auto-Sanding Feature	Combination Pilot and Footboard	Snowplow Electrical Connection

MECHANICAL DEPARTMENT

DIESEL UNIT DATA BOOK

MR-18-b 3615-3670

CLASS NUMBERS

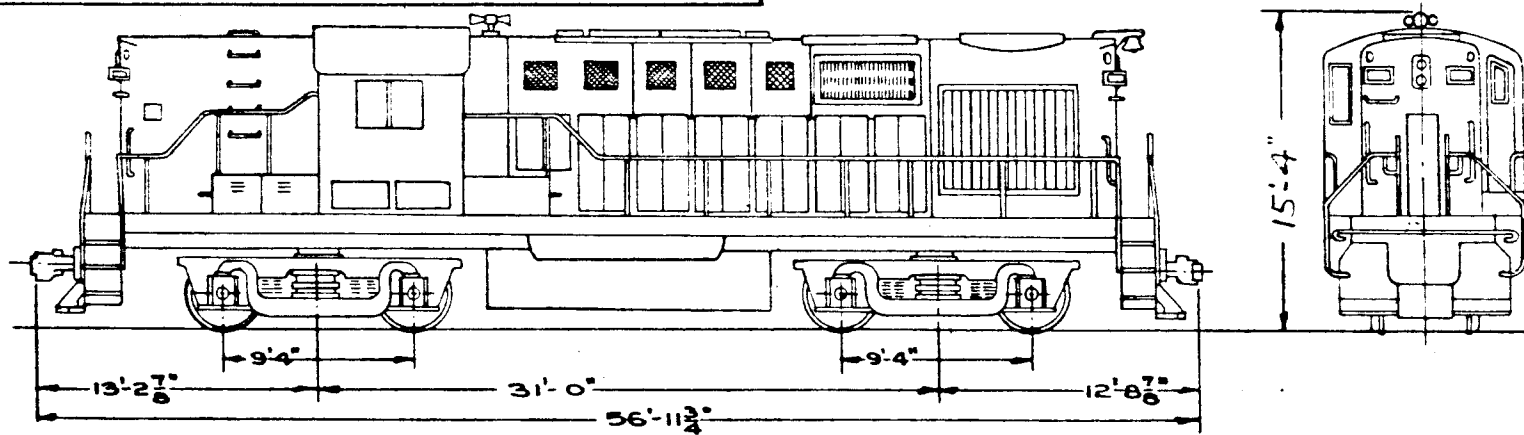
DIESEL ENGINE: 1800 H.P.
 Alco D.E.W. 251-B V-type
 12 cylinder, 9" bore, 10 1/2" stroke
 1000 R.P.M. Full speed
 350 R.P.M. Idling speed - 3617-3670 *Order No. SO. 4805
 400 R.P.M. Idling Speed - 3615-3616 *Order No. SO. 4802

WEIGHT DISTRIBUTION

						TOTAL
					LOADED	246,000

BUILDER	M.L.W.
ORDER N°	
MODEL N°	RS-11M
DATE BUILT	1957

RETIRED
3641



CAPACITIES		WHEELS: TYPE & CLASS	STEAM GENERATOR	ELECTRICAL EQUIPMENT	
ENG. COOLING WATER	208 IMP. GAL.	A-40 "C"	None	TRACTION MOTORS	AUXILIARY GEN: TYPE & N°
LUBRICATING OIL	166 IMP. GAL.			FOUR	C.G.E. GY-27
FUEL OIL	1000 IMP. GAL.	JOURNALS: TYPE & SIZE	AIR COMPRESSOR	C.G.E. 752	
SAND STORAGE	28 CU. FT.	3615 to 3655 SKF 6 1/2" x 12"	Westinghouse 3 CDC	T.M. BLOWER	EXCITER G.E. GTA-6 - 3615-3616
STEAM GEN. WATER	- IMP. GAL.	3656 to 3670 Timken "		Mechanical Drive	M.U. CONTROL
OPERATING FEATURES		TRUCKS	COOLING FANS	MAIN GENERATOR	DYNAMIC BRAKE (DISCONNECTED)
	AFTER MOD. 489	Heavy Swing Bolster	ONE Mechanical Drive	C.G.E. GT-581	Yes
MAX. SPEED	65 M.P.H.	3617 to 3655			(In long hood)
GEAR RATIO	74 ; 18	Model MT-5084	AIR BRAKE		
T.E. STARTING		3615 and 3616	Westinghouse 24-RL		
T.E. CONTINUOUS	47,000 lbs.	3656 to 3670			
OPER. CURVE ALONE:	300	Model MT-51414			
	COUPLED: 300				

DEC 31 1974

Fully Automatic Transition	Four-Speed Solenoid Governor Control	Speed Recorder - Indicator	Steam Generator Remote Control Panel	Auxiliary Generator Trainline	Snowplow Electrical Connection Excluding Unit 3625
Air Signal Line	Seal beam HL with Trainline Control	Electrical Pneumatic & Auto-Sanding Feature	Automatic Locomotive Testing	Combination Pilot and Footboard	

MECHANICAL DEPARTMENT

DIESEL UNIT DATA BOOK

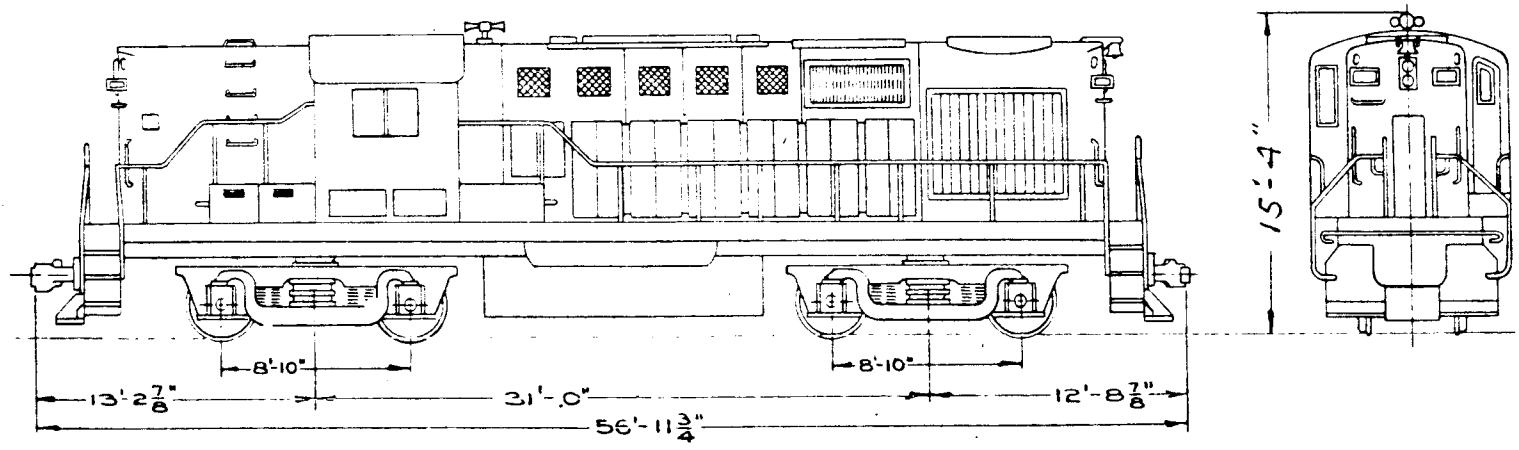
MR-18-C
CLASS

3671
TO 3700
NUMBERS

DIESEL ENGINE: 1800 H.P.
Alco D.E.W. 251 B V-type
12 cylinder, 9" bore, 10 1/2" stroke,
1000 R.P.M. Full speed
350 R.P.M. Idling speed

WEIGHT		DISTRIBUTION	
LIGHT			
LOADED			246,000

BUILDER	M.L.W.
ORDER N ^o	SO.4806
MODEL N ^o	RS-11 M
DATE BUILT	1957-1958



RETIRED
3672
3694

CAPACITIES	
ENG. COOLING WATER	208 IMP. GAL.
LUBRICATING OIL	166 IMP. GAL.
FUEL OIL	1000 IMP. GAL.
SAND STORAGE	28 CU. FT.
STEAM GEN. WATER	- IMP. GAL.

WHEELS: TYPE & CLASS A-40 "C"
JOURNALS: TYPE & SIZE S.K.F. 6 1/2" x 12"

STEAM GENERATOR None
AIR COMPRESSOR Westinghouse 3 CDC

TRACTION MOTORS FOUR C.G.E. 752
T.M. BLOWER TWO Sturtevant Mechanical Drive
MAIN GENERATOR C.G.E. GT-581

AUXILIARY GEN: TYPE & N ^o C.G.E. GY-27
ALTERNATOR: TYPE & N ^o GTA-6PA1

OPERATING FEATURES		
MAX. SPEED	65 M.P.H.	AFTER MOD. 489 75 M.P.H.
GEAR RATIO	74 : 18	65 : 18
T.E. STARTING		
T.E. CONTINUOUS	47,000 lbs	
OPER. CURVE ALONE: 30°		COUPLED: 30°

TRUCKS Light Swing Bolster Model MT-5051
--

COOLING FANS ONE Mechanical Drive
AIR BRAKE Westinghouse 24-RL

M.U. CONTROL Yes
DYNAMIC BRAKE (DISCONNECTED) Yes (In long hood)

Fully Automatic Transition	Four-Speed Solenoid Governor Control	Speed Recorder - Indicator	Steam Generator Remote Control Panel	Auxiliary Generator Trainline	Snowplow Electrical Connection Excluding Units 3676, 3678, 3696 and 3697
Air Signal Line	Seal beam HL with Trainline Control	Elect. Pneumatic and Auto-Sanding Feature	Automatic Locomotive Testin	Combination Pilot and Footboard	

DEC 31 1974

MECHANICAL DEPARTMENT

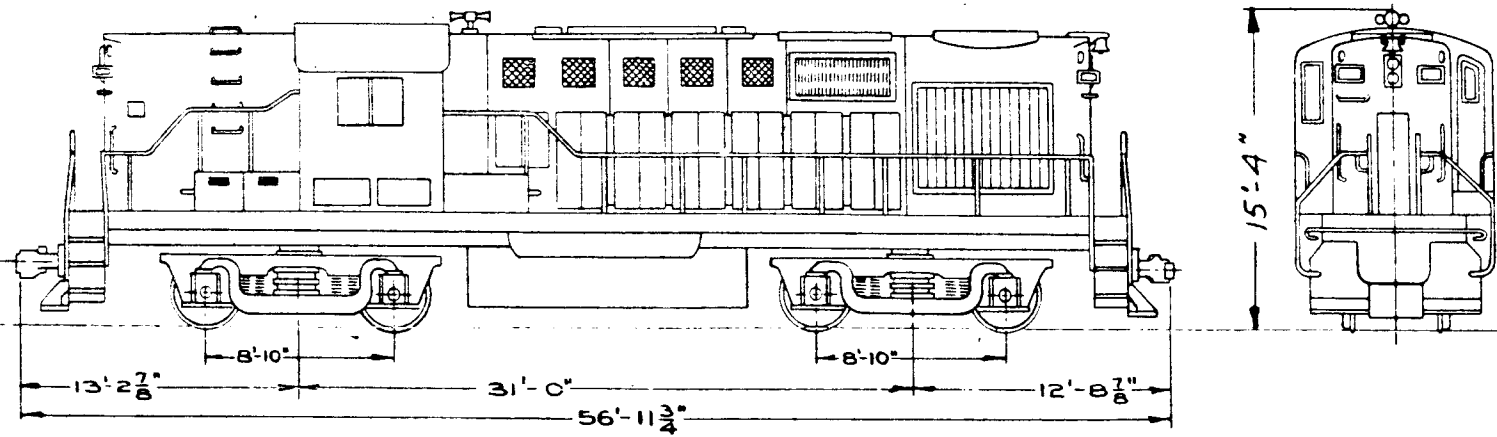
DIESEL UNIT DATA BOOK

MR-18-d ³⁷⁰¹ TO ³⁷⁴⁵
CLASS NUMBERS

DIESEL ENGINE: 1800 H.P.
 Alco D.E.W. 251 B V-type
 12 cylinder, 9" bore, 10½" stroke,
 1000 R.P.M. Full speed
 400 R.P.M. Idling speed

WEIGHT		DISTRIBUTION	
LOADED			247,000

BUILDER	M.L.W.
ORDER N ^o	50. 4808
MODEL N ^o	RS-11 M
DATE BUILT	1958



RETIRED
3725

CAPACITIES		
ENG. COOLING WATER	208	IMP. GAL.
LUBRICATING OIL	166	IMP. GAL.
FUEL OIL	1000	IMP. GAL.
SAND STORAGE	28	CU. FT.
STEAM GEN. WATER	-	IMP. GAL.

WHEELS: TYPE & CLASS	A-40 "C"
JOURNALS: TYPE & SIZE	S.K.F. 6½" x 12"

STEAM GENERATOR	None
AIR COMPRESSOR	Westinghouse 3 CDC

TRACTION MOTORS	FOUR C.G.E. 752
T.M. BLOWER	TWO Sturtevant Mechanical Drive

AUXILIARY GEN: TYPE & N ^o	C.G.E. GY-27
ALTERNATOR: TYPE & N ^o	GTA-6PA1

OPERATING FEATURES		
MAX. SPEED	65 MPH	^{AFTER MOD. 489} 75 MPH
GEAR RATIO	74 : 18	65 : 18
T.E. STARTING	47,000 lbs	
T.E. CONTINUOUS	47,000 lbs	
OPER. CURVE ALONE:	30°	COUPLED: 30°

TRUCKS	Light Swing Bolster Model MT-5055
--------	--------------------------------------

COOLING FANS	ONE Mechanical Drive
AIR BRAKE	Westinghouse 24 RL

MAIN GENERATOR	C.G.E. GT-581
----------------	---------------

DYNAMIC BRAKE	(DISCONNECTED) (In long Hood)
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DEC 31 1974

Fully Automatic Transition	Four-Speed Solenoid Governor Control	Speed Recorder - Indicator	Steam Generator Remote Control Panel	Auxiliary Generator Trainline	Snowplow Electrical Connection Excluding Units 3702, 3711, 3719, 3726, 3727, 3737, 3738, 3740
Air Signal Line	Seal Beam HL with Trainline Control	Elect. Pneumatic and Auto-Sanding Feature	Automatic Locomotive Testing	Combination Pilot and Footboard	

MECHANICAL DEPARTMENT

DIESEL UNIT DATA BOOK

MR-18-f
CLASS

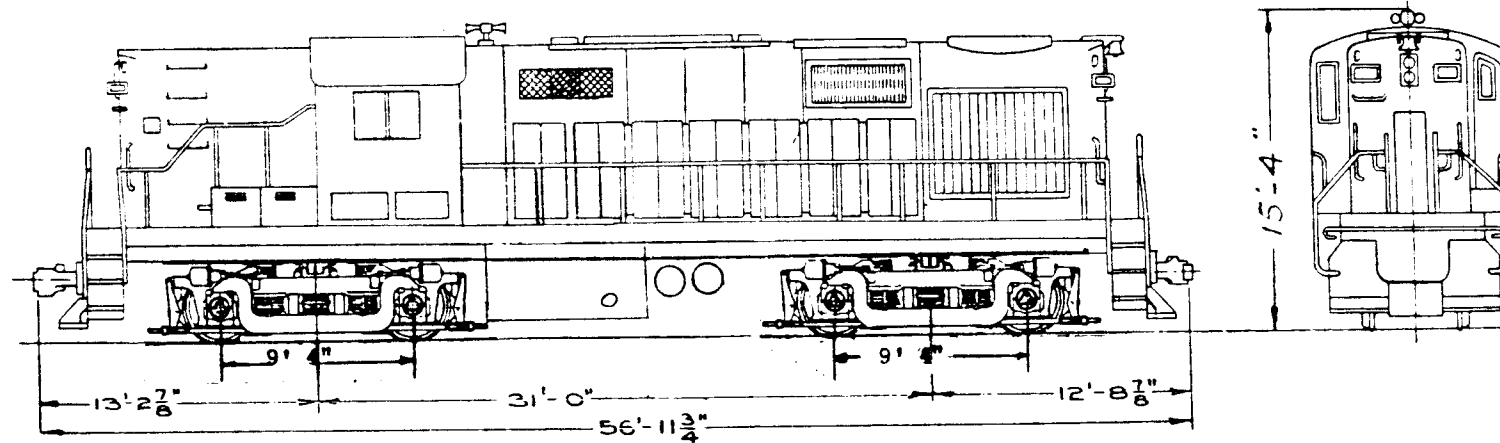
3330
TO 3849
NUMBERS

DIESEL ENGINE: 1800 H.P.
Alco D.E.W. 251-B V-Type
12 cylinder, 9" bore, 10 1/2" stroke,
1000 R.P.M. Full speed
400 R.P.M. Idling speed

WEIGHT		DISTRIBUTION	
LOADED	233,000	TOTAL	233,000
MODIFICATION 8080 COMPLETED ON THIS GROUP			

BUILDER	M.I.W.
ORDER N°	481C
MODEL N°	RS-11 M
DATE BUILT	1959

OF UNITS



CAPACITIES		WHEELS: TYPE & CLASS	STEAM GENERATOR	ELECTRICAL EQUIPMENT
ENG. COOLING WATER	208 IMP. GAL.	A-40 "C"	None	TRACTION MOTORS
LUBRICATING OIL	166 IMP. GAL.	JOURNALS: TYPE & SIZE	AIR COMPRESSOR	FOUR
FUEL OIL	1000 IMP. GAL.	S.K.F. 6 1/2" x 12"	Westinghouse 3 CDC	C.G.E. 752
SAND STORAGE	28 CU. FT.	TRUCKS	COOLING FANS	AUXILIARY GEN: TYPE & N°
STEAM GEN. WATER	IMP. GAL.	After Mod. 8080	ONE G.E.	C.G.E. GY-27
OPERATING FEATURES		Heavy Swing Bolster	Mechanical Drive	ALTERNATOR: TYPE & N°
MAX. SPEED	65 MPH		AIR BRAKE	M.U. CONTROL
GEAR RATIO	74 : 18		Westinghouse 26 - L	Yes
T.E. STARTING				DYNAMIC BRAKE
T.E. CONTINUOUS	44,000 lbs			(DISCONNECTED)
OPER. CURVE ALONE: 30°	COUPLED: 30°			(In short hood)
				MAIN GENERATOR
				C.G.E. GT-5e1

DEC 31 1974

Fully Automatic Transition	Four-Speed Solenoid Governor Control	Speed Recorder - Indicator	Steam Generator Remote Control Panel	Auxiliary Generator Trainline	Snowplow Electrical Connection
Air Signal Line	Seal Beam HL with Trainline Control	Elect. Pneumatic & Auto-Sanding Feature	Automatic Locomotive Testing	Combination Pilot and Footboard	

MECHANICAL DEPARTMENT

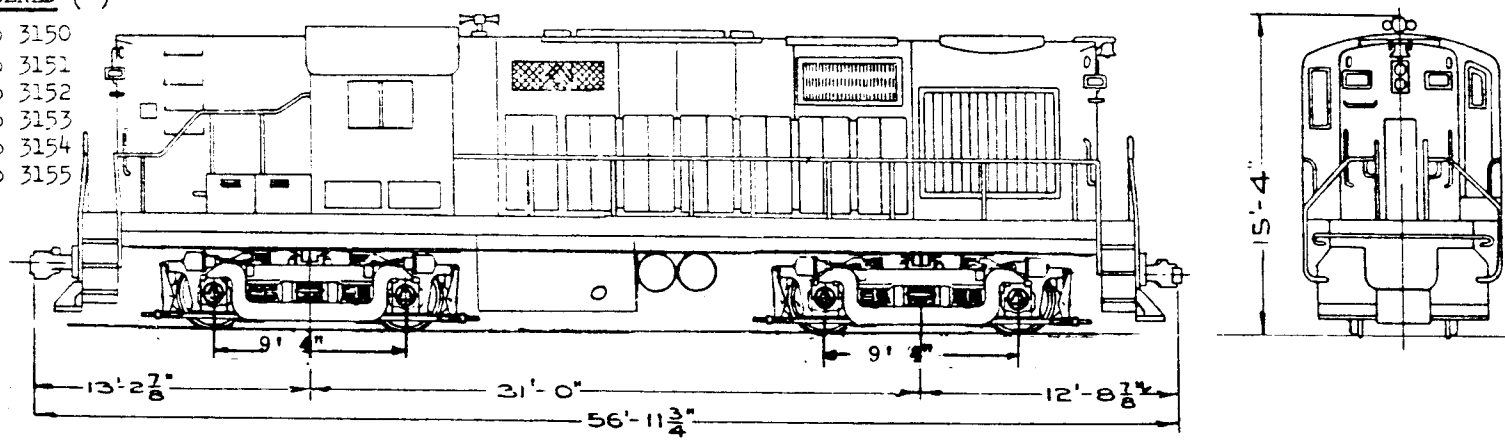
DIESEL UNIT DATA BOOK

MR-18-g (*) 3850-3893
CLASS NUMBERS

DIESEL ENGINE: 1800 H.P.
Alco D.E.W. 251BV-type
12 cylinder, 9" bore, 10 1/2" stroke,
1000 R.P.M. Full speed
400 R.P.M. Idling speed

		WEIGHT DISTRIBUTION			BUILDER				
		FR. MIN	REAR MIN.	TOTAL	FR. MAX.	REAR MAX.	TOTAL	ORDER N ^o	M.L.W.
Loaded					Before Mod. 8080		230,000	MODEL N ^o	4812
LOADED					After Mod. 8080		232,000	DATE BUILT	1960

RENUMBERED (*)
3850 to 3150
3883 to 3151
3856 to 3152
3860 to 3153
3884 to 3154
3887 to 3155



RETIRED
3851
3854
3863
3869
3874
3882
3889

CAPACITIES			WHEELS: TYPE & CLASS	STEAM GENERATOR	ELECTRICAL EQUIPMENT	
ENG. COOLING WATER	208	IMP. GAL.	A-40 "C"	None	TRACTION MOTORS	AUXILIARY GEN: TYPE & N ^o
LUBRICATING OIL	166	IMP. GAL.			FOUR	C.G.E. GY-27
FUEL OIL	1000	IMP. GAL.	JOURNALS: TYPE & SIZE	AIR COMPRESSOR	C.G.E. 752	ALTERNATOR: TYPE & N ^o
SAND STORAGE	28	CU. FT.	S.K.F. 6 1/2" x 12"	Westinghouse 3 CDC		
STEAM GEN. WATER	-	IMP. GAL.			T.M. BLOWER MOTORS	
OPERATING FEATURES			TRUCKS	COOLING FANS	TWO	None
			Before Mod. 8080	ONE G.E.	Mechanical Drive	M.U. CONTROL
MAX. SPEED	65 MPH	AFTER MOD. 489 75 MPH	Swing Bolster	Mechanical Drive		
GEAR RATIO	74 : 18	65 : 18	After Mod. 8080		MAIN GENERATOR	Yes
T.E. STARTING			Heavy Swing Bolster	AIR BRAKE	C.G.E. GT-581	DYNAMIC BRAKE (DISCONNECTED) (In short hood)
T.E. CONTINUOUS		44,000 lbs		Westinghouse 26 L		
OPER. CURVE ALONE:	30°	COUPLED: 30°				

DEC 31 1974

Fully Automatic Transition	Four-Speed Solenoid Governor Control	Speed Recorder - Indicator	Steam Generator Remote Control Panel	Auxiliary Generator Trainline	Snowplow Electrical Connection
Air Signal Line	Seal Beam HL with Trainline Control	Elect. Pneumatic and Auto-Sanding Feature	Automatic Locomotive Testing	Combination Pilot and Footboard	

MECHANICAL DEPARTMENT

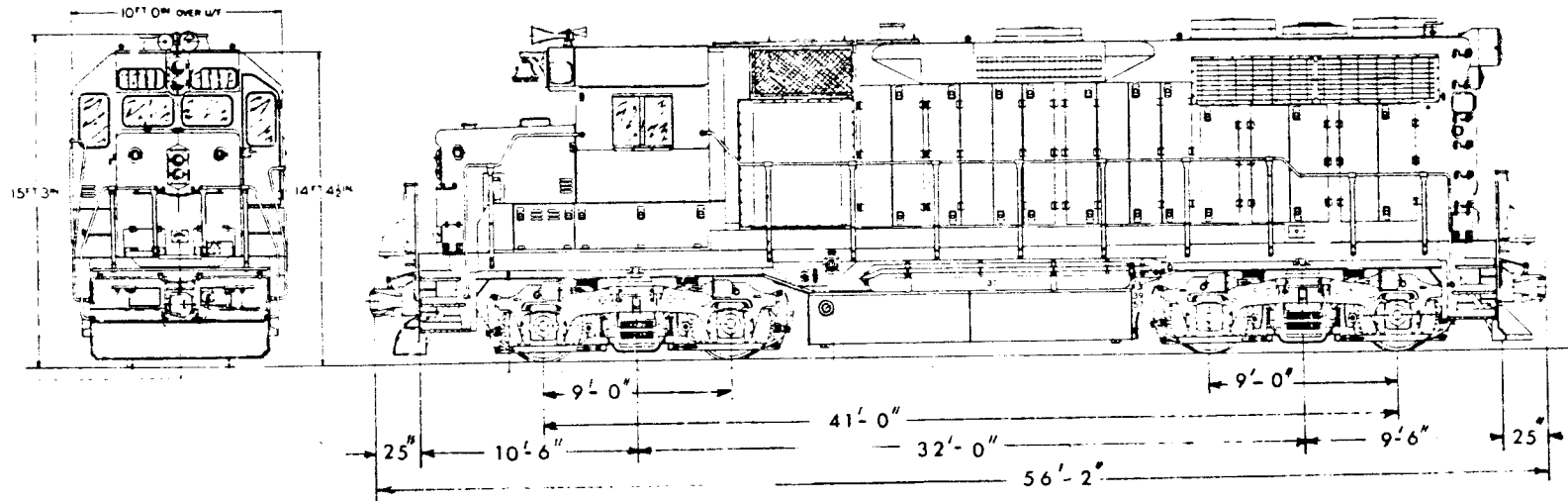
DIESEL UNIT DATA BOOK

GR-25-a
CLASS

4000
4001
NUMBERS

DIESEL ENGINE: 2500 H.P.
GM 16-645 D-3-A 2 Cycle
9-1/16" Bore 10" Stroke
900 R.P.M. Full Speed
315 R.P.M. Idle Speed

WEIGHT		DISTRIBUTION		BUILDER	G.M.
				TOTAL	ORDER N ^o CR-302
				257,000	MODEL N ^o GP-35
LOADED				DATE BUILT	1964



CAPACITIES		
ENG. COOLING WATER	275	IMP. GAL.
LUBRICATING OIL	243	IMP. GAL.
FUEL OIL	2160	IMP. GAL.
SAND STORAGE	40	CU. FT.
STEAM GEN. WATER	-	IMP. GAL.

OPERATING FEATURES	
MAX. SPEED	65 M.P.H.
GEAR RATIO	62:15
T.E. STARTING	
T.E. CONTINUOUS	49,000 #
OPER. CURVE ALONE: 39°	COUPLED: 19°

WHEELS: TYPE & CLASS	STEAM GENERATOR
D-40 "CR"	None
JOURNALS: TYPE & SIZE	AIR COMPRESSOR
Hyatt 6 1/2" x 12"	Gardner Denver WBO 8022
TRUCKS	COOLING FANS
Swing Bolster	Two - 48" Temper One - 36" Delco
	AIR BRAKE
	Westinghouse 26-L

ELECTRICAL EQUIPMENT	
TRACTION MOTORS	AUXILIARY GEN: TYPE & N ^o
Four G.M. D-67-E	G.M. A-8102-A2
T.M. BLOWER MOTORS	ALTERNATOR: TYPE & N ^o
One Mechanical Drive	G.M. D-14
MAIN GENERATOR	M.U. CONTROL
G.M. D-32	Yes
	DYNAMIC BRAKE (DISCONNECTED)
	Yes EXTENDED RANGE

DEC 31 1974

Fully Automatic Transition	Four-Speed Solenoid Governor Control	Speed Indicator	Steam Generator Remote Control Panel	Auxiliary Generator Trainline	Equipped with Combination Pilot and Foot-board at #2 End and Wraparound Pilot at #1 End.
Air Signal Line	Seal beam HL with Trainline Control	Elect. Pneumatic and Auto-Sanding Feature	Snowplow Electrical Connection		

MECHANICAL DEPARTMENT

DIESEL UNIT DATA BOOK

GR-430a

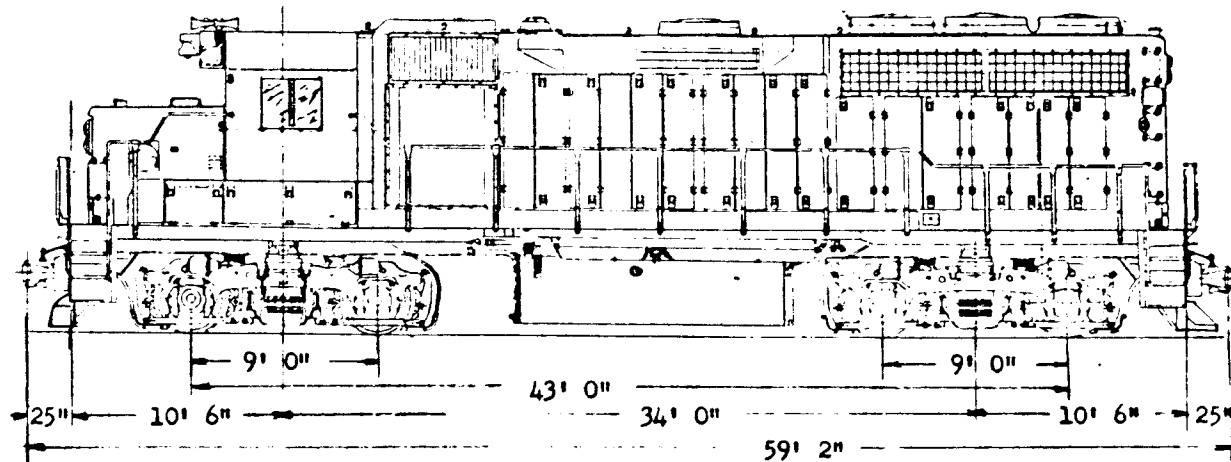
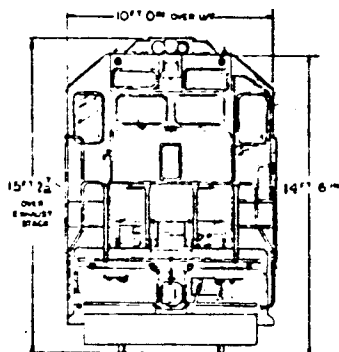
4002-4011

CLASS

NUMBERS

DIESEL ENGINE : 3000 H.P.
 G.M. 16-645 E3, 2 Cycle
 9 1/16" Bore, 10" Stroke
 900 R.P.M. Full Speed
 315 R.P.M. Idle Speed

WEIGHT		DISTRIBUTION				BUILDER	G.M.
FR. MIN	REAR MIN.	TOTAL	FR. MAX.	REAR MAX.	TOTAL	ORDER N ^o	C-315
LIGHT						MODEL N ^o	GP-40
LOADED					260,000	DATE BUILT	1966



CAPACITIES		WHEELS : TYPE & CLASS	STEAM GENERATOR	ELECTRICAL EQUIPMENT
ENG. COOLING WATER	245 IMP. GAL.	D-40 "CR"	None	TRACTION MOTORS Four G.M. D-77
LUBRICATING OIL	202 IMP. GAL.	JOURNALS: TYPE & SIZE	AIR COMPRESSOR	AUXILIARY GEN: TYPE & N ^o G.M. A-8102-A3
FUEL OIL	2160 IMP. GAL.	Hyatt 6 1/2" x 12"	Gardner Denver WBO 8024	ALTERNATOR : TYPE & N ^o G.M. D-14
SAND STORAGE	40 CU. FT.	TRUCKS	COOLING FANS	M.U. CONTROL
STEAM GEN. WATER	IMP. GAL.	Swing Bolster	Three - 48" Tamper	Yes
OPERATING FEATURES			AIR BRAKE	MAIN GENERATOR Alternator G.M. AR 10 - D 14
MAX. SPEED	65 M.P.H.		Westinghouse 26L	DYNAMIC BRAKE (DISCONNECTED) Yes
GEAR RATIO	62 : 15			STANDARD RANGE
T.E. STARTING				
T.E. CONTINUOUS	50,000 Lbs			
OPER. CURVE ALONE: 39°	COUPLED: 18°			

Fully Automatic Transition	Four-Speed Solenoid Governor Control	Speed Indicator	Steam Generator Remote Control Panel	Auxiliary Generator Trainline	Equipped with Combination Pilot and Foot-board at #2 End and Wraparound Pilot at #1 End.
Air Signal Line	Seal Beam HL with Trainline Control	Elect.Pneumatic and Auto-Sanding Feature	Automatic Locomotive Testing	Snowplow Electrical Connection Excluding Unit 4003	

DEC 31 1974

CN RAIL

MP&CE

DIESEL UNIT DATA BOOK

**GR-418a
CLASS**

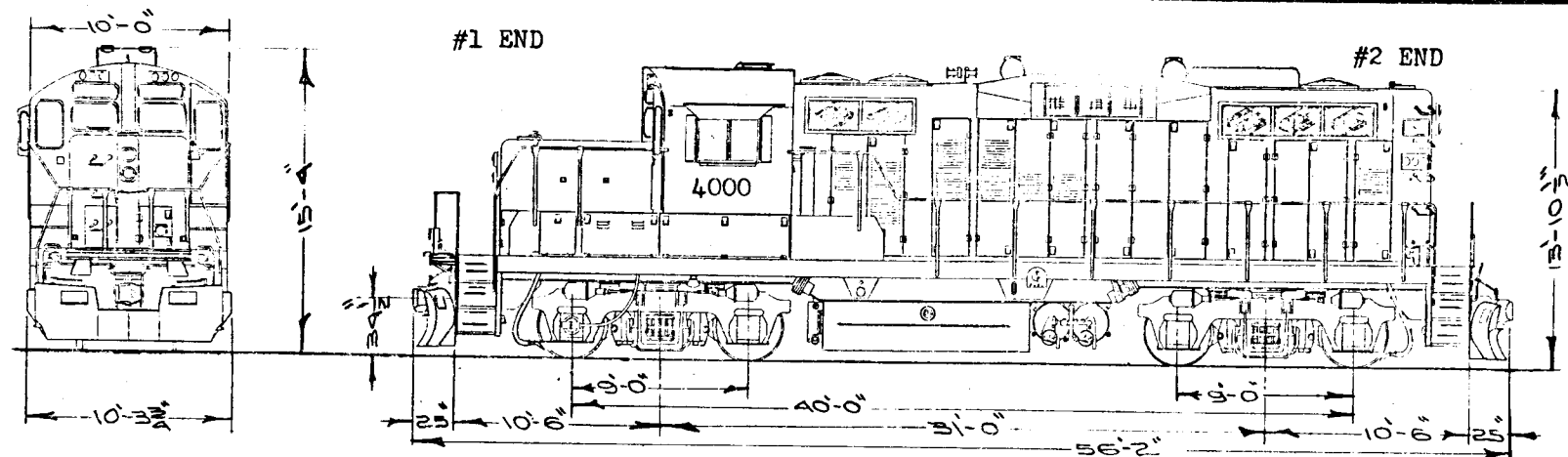
**4000 - 4011*
NUMBERS**

DIESEL ENGINE: 16V-645C 2 CYCLE
 9-1/16" BORE x 10" STROKE - 16 CYLINDERS
HORSEPOWER: BRAKE 1920, TRACTION 1800 @ 835 RPM
IDLE SPEED: NORMAL 285 RPM, LOW - RPM
 Engine Protective Device
 Pressurized Cooling System

These units remanufactured by CN Rail, Point St. Charles Shops, in 1981-82 from General Motors Diesel Ltd. Model GP-9, CN Class GR-17. locomotives originally built 1955 to 1958.

WEIGHT in POUNDS		BUILDER CN/PSC GMD
LIGHT-TOTAL		ORDER No 717/1202
LOADED		MODEL No GP-9rm
ON DRIVERS	257,000	DATE BUILT 1981-82
TOTAL	257,000	CN SPEC. GR-418a

NEW NO. *	ORIG. NO.
4000	4568
4001	4567
4002	4471
4003	4410
4004	4402
4005	4468
4006	4593
4007	4598
4008	4597
4009	4594
4010	4574
4011	4600



CAPACITIES			WHEELS: AAR D-40 Class "CR" Heumann Profile, Wide Flange		AIR BRAKE: WABCO 26LUM -Straight Air (Snowplow Service) -Auto. Main Res. Blow-down (Salem #18,824, 880,872) -Snow Brake (Auto. Cut-out over 56 MPH)		ELECTRICAL EQUIPMENT	
ENGINE FUEL OIL	1700	IMP.GAL.	JOURNALS: 6 1/2" x 12" Hyatt Roller Bearing		AIR COMPRESSOR: Gardner-Denver WBO 2 Stage, 3 Cyl. Water Cooled (Deep Sump)		TRACTION MOTORS: Four GM D-77 319 KW - 965 AMPS	
SAND STORAGE	18	CU.FT.	TRUCKS: 2 Axle, 2 Motor Swing Bolster - Single Shoe/Wheel Brake Rigging		AIR FILTRATION: Primary: Carbody Filters Engine: AAF Fibreglass (Bag) - #3 Fan Winterization Hatch		AUXILIARY GEN.: GM A-8102 18 KW DC	
ENGINE COOLING WATER	189	IMP.GAL.	FUEL PREHEAT: Internal 10 IG Hot-Well Vapor 300-B Ht. Exchanger One 4 USGPM Fuel Pump		OTHER FEATURES: Alignment Control Draft Gear (NC-391)		ALTERNATOR: 3Ø GM D-14 at 835 RPM 190V AC & 111 HZ	
ENGINE LUBRICATING OIL	167	IMP.GAL.	OPERATING FEATURES		END EQUIPMENT		MU CONTROL: Yes - 27 Pin	
POLLUTION COLLECTOR TANK	67	IMP.GAL.	TM GEAR RATIO & MAXIMUM SPEED: 62:15 65 MPH		#1 #2		DYNAMIC BRAKE: Nil	
STEAM GENERATOR WATER	-	IMP.GAL.	ELECTRICAL CONTINUOUS: TE, SPEED, ADH 4830 @ 10.9 MPH = 19%		END		AUTO. LOCO. TESTING: O.T.P. Search	
OPERATING FEATURES			CN ADHESION RATING: TE, SPEED, ADH 4830 @ 10.9 MPH = 19%		SNOWFLOW PILOT		TRANSITION: BARCO Fully Automatic SP, SPFS, P, PFS	
MAXIMUM OPERATING CURVATURE	ALONE	39° or	OTHER FEATURES:		WRAPAROUND PILOT COMB PILOT & FT. BRDS.		WHEELSLIP CONTROL: GM WS-10 Module	
	with SIMILAR LOCO.	21° or	CAB & CONTROL EQUIPMENT		FOOTBOARDS ONLY		COOLING FANS: Four 36" Delco 15 HP AC-3Ø	
	with 50' CAR	° or	-Single Range Analog Speed Indicator (BARCO)		FULL ENDPLATE		LIGHTS #1 #2	
CAB & CONTROL EQUIPMENT			-Chemical Toilet (VAPOR)		PARTIAL ENDPLATE		#1 #2	
			-Electro-Pneumatic & Automatic Sanding - Out-board Wheels		ANTI-CLIMBER		#1 #2	
			-Electrically Heated Windows - 74W/FT ² (EPA Cert)		FRA SIDE STEPS		#1 #2	
			-Refrigerator - OASIS - AC		FRA UNCOUPLING		#1 #2	
			-Two Electric Cab Heaters (PRIME - 2.1 KW ea.)				#1 #2	
			-Two Strip Heaters (VAPOR 1.5 KW ea.)				#1 #2	
			-Hot Plate				#1 #2	

FEBRUARY 1982

MECHANICAL DEPARTMENT

DIESEL UNIT DATA BOOK

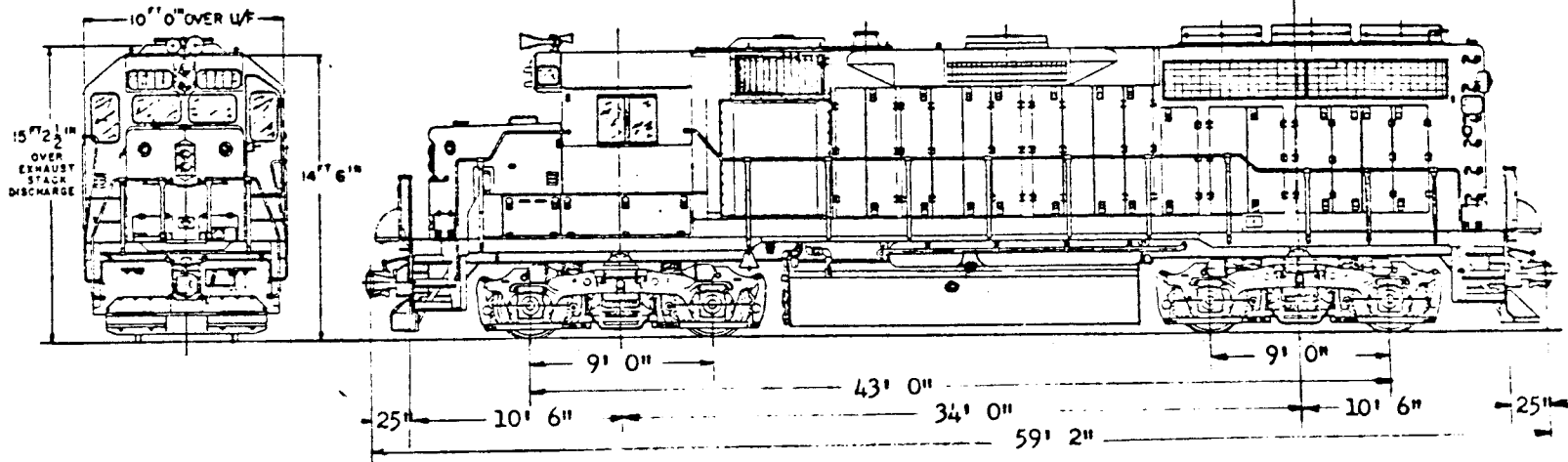
GR-430b

4012-4017

CLASS

NUMBERS

DIESEL ENGINE : 3000 H.P. G.M. 16-645 E3, 2 Cycle 9 1/16" Bore, 10" Stroke 900 R.P.M. Full Speed 315 R.P.M. Idle Speed	WEIGHT DISTRIBUTION						BUILDER	G.M.
		FR. MIN	REAR MIN.	TOTAL	FR. MAX.	REAR MAX.	ORDER N ^o	C-323
	LIGHT						MODEL N ^o	GP-40
	LOADED					259,000	DATE BUILT	1967



CAPACITIES		WHEELS : TYPE & CLASS	STEAM GENERATOR	ELECTRICAL EQUIPMENT
ENG. COOLING WATER	245 IMP. GAL.	D-40 "CR"	None	TRACTION MOTORS Four G.M. D-77
LUBRICATING OIL	202 IMP. GAL.	JOURNALS: TYPE & SIZE	AIR COMPRESSOR	AUXILIARY GEN: TYPE & N ^o G.M. A-8102-A3
FUEL OIL	2160 IMP. GAL.	Hyatt 6 1/2" x 12"	Gardner Denver WBO 8024	ALTERNATOR : TYPE & N ^o G.M. D-14
SAND STORAGE	40 CU. FT.	TRUCKS	COOLING FANS	M.U. CONTROL Yes
STEAM GEN. WATER	IMP. GAL.	Swing Bolster	Three - 48" Tamper	MAIN GENERATOR Alternator G.M. AR 10 - D 14
OPERATING FEATURES			AIR BRAKE	DYNAMIC BRAKE (DISCONNECTED) Yes STANDARD RANGE
MAX. SPEED	65 M.P.H.		Westinghouse 26L Unitized	
GEAR RATIO	62 : 15			
T.E. STARTING				
T.E. CONTINUOUS	50,000 lbs			
OPER. CURVE ALONE: 39°	COUPLED: 18°			

DEC 31 1974

Fully Automatic Transition	Four-Speed Solenoid Governor Control	Speed Indicator	Steam Generator remote Control Panel	Auxiliary Generator Trainline	Equipped with Combination Pilot and Footboard at #2 End and Wraparound Pilot at #1 End.
Seal beam HL with Trainline Control	Elect. Pneumatic and Auto-Sanding Feature	Automatic Locomotive Testing	Snowplow Electrical Connection		

MECHANICAL DEPARTMENT

DIESEL UNIT DATA BOOK

GR-17-p

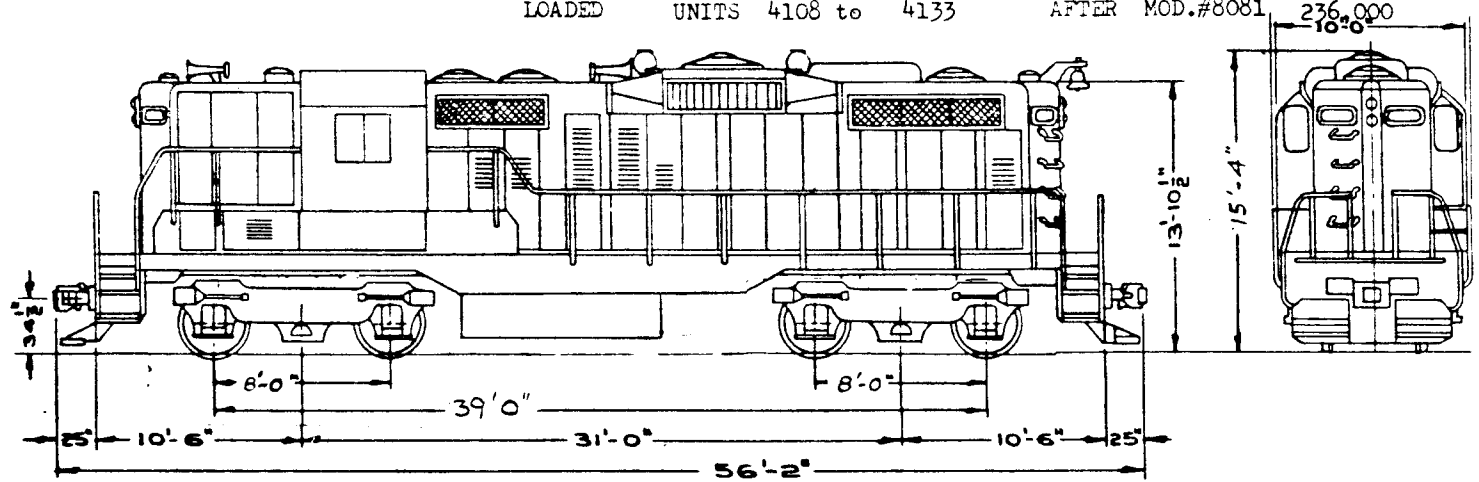
4100-4133

CLASS NUMBERS

DIESEL ENGINE : 1750 H.P.
 G.M. 5670 V-type
 16 cylinder, 8 1/2" bore, 10" stroke
 835 R.P.M. full speed
 275 R.P.M. Idling "

WEIGHT		DISTRIBUTION		TOTAL
BEFORE MOD.#8081				231,000
AFTER MOD.#8081	UNITS 4100 to 4107			238,000
AFTER MOD.#8081	UNITS 4108 to 4133			236,000

BUILDER	G.M.
ORDER N ^o	C-235
MODEL N ^o	GP-9
DATE BUILT	1957



(*) Modification 5000 to be applied to 4108 - 4133 only.

RETIRED
 4107
 4113
 4116
 4128

CAPACITIES		WHEELS : TYPE & CLASS	STEAM GENERATOR	ELECTRICAL EQUIPMENT
ENG. COOLING WATER	189 IMP. GAL.	D-40 "C"	None	TRACTION MOTORS 4100 to 03, 08, 09 D-37-B
LUBRICATING OIL	167 IMP. GAL.	JOURNALS: TYPE & SIZE	AIR COMPRESSOR	AUXILIARY GEN: TYPE & N ^o G.M. A-8102-A1 18 K.W.
FUEL OIL	1000 IMP. GAL.	Ryatt 6 1/2" x 12"	Gardner Denver WBO	ALTERNATOR : TYPE & N ^o GM D-14
SAND STORAGE	18 CU. FT.			M.U. CONTROL Yes
STEAM GEN. WATER	- IMP. GAL.			DYNAMIC BRAKE 700 AMP (DISCONNECTED)
OPERATING FEATURES		TRUCKS MODIFICATION 8081	COOLING FANS	
MAX. SPEED	89 M.P.H. (* After Mod. 5000) 65 M.P.H.	BEFORE: Flexicoil	4100 to 32 - Four Reliance 4133 - Two Delco	Four Reliance
GEAR RATIO	58 : 19 62 : 15	AFTER: Swing Bolster	AIR BRAKE Westinghouse 24-RL	MAIN GENERATOR G.M. D12-B
T.E. STARTING				
T.E. CONTINUOUS	33,000 lbs 44,000 lbs			
OPER. CURVE ALONE: 39°	COUPLED: 21°			

DEC 31 1974

Fully Automatic Transition	Four-Speed Solenoid Governor Control	Speed Recorder - Indicator	Steam Generator Remote Control Panel	Auxiliary Generator Trainline	Steam Trainline not in use to be tested if required. Thru Steam Trainline Ends capped require piping inspection and application of steam Units 4108 to 4112, 4114, 4115, 4117 to 4127, 4129 to 4133 Only.
Combination Pilot & Footboard	Seal Beam HL with Trainline Control	Thru Steam Trainline Units 4100 to 4106 Only	Elect. Pneumatic and Auto-Sanding Feature	Snowplow Electrical Connection Units 4126, 4127, 4129 to 4133 Only.	
Air Signal Line					

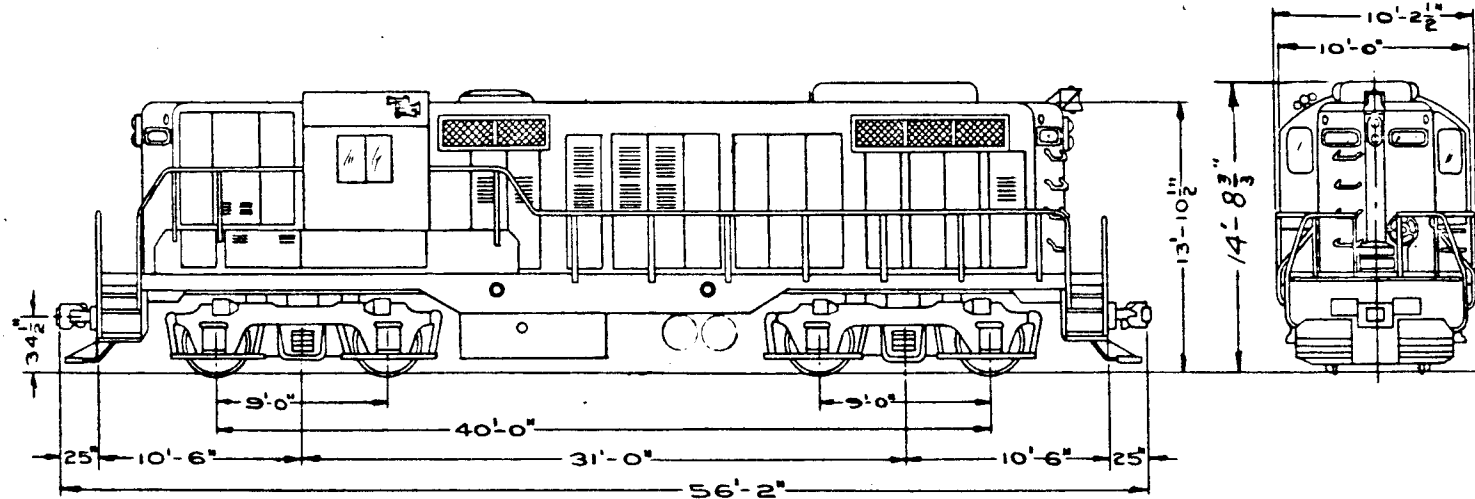
MECHANICAL DEPARTMENT

DIESEL UNIT DATA BOOK

G.T.W. 4134
 GR-17x To 4139 #
 CLASS NUMBERS

DIESEL ENGINE: 1750 H.P. E.M.D. 567-C V-type 16 cylinder, 8 1/2" bore, 10" stroke, 835 R.P.M. Full speed 275 R.P.M. Idling "	WEIGHT DISTRIBUTION						BUILDER	E.M.D.	
		FR. MIN	REAR MIN.	TOTAL	FR. MAX.	REAR MAX.	TOTAL	ORDER N ^o	5584
	LIGHT	115,490	115,555	231,320	117,175	118,630	235,440	MODEL N ^o	GP-9
	LOADED	115,720	116,640	232,560	123,645	123,190	246,470	DATE BUILT	1958

#4139 formerly #4541 & rebuilt 1959.



CAPACITIES		WHEELS: TYPE & CLASS D-40 "C"		STEAM GENERATOR None		ELECTRICAL EQUIPMENT			
ENG. COOLING WATER	109 IMP. GAL.	JOURNALS: TYPE & SIZE Ryatt 6 1/2" x 12"		AIR COMPRESSOR Gardner Denver WBO		TRACTION MOTORS			
LUBRICATING OIL	166 IMP. GAL.					FOUR E.M.D. D-47		AUXILIARY GEN: TYPE & N ^o DELCO 18 K.W. D.C.	
FUEL OIL	1080 IMP. GAL.					T.M. BLOWER MOTORS		ALTERNATOR: TYPE & N ^o EMD D-14	
SAND STORAGE	18 CU. FT.					FOUR Delco 1-435		M.U. CONTROL Yes	
STEAM GEN. WATER	- IMP. GAL.	TRUCKS Swing Bolster		COOLING FANS TWO Delco I-4700		MAIN GENERATOR E.M.D. D-12B			
OPERATING FEATURES		AFTER Mod. 9617			AIR BRAKE Westinghouse 26-L		DYNAMIC BRAKE No		
MAX. SPEED	83 M.P.H.	65 M.P.H.							
GEAR RATIO	59 - 18	62 - 15							
T.E. STARTING									
T.E. CONTINUOUS	36,000 lbs. 44,000 lbs.								
OPER. CURVE ALONE: 39° COUPLED: 21°									

Fully Automatic Transition	Four-Speed Solenoid Governor Control	Speed Recorder - Indicator	Steam Generator Remote Control Panel	Auxiliary Generator Trainline
Air Signal Line	Seal beam HL with Trainline Control	Elect. Pneumatic & Auto-Sanding Feature	Combination Pilot and Footboard	

DEC 31 1974

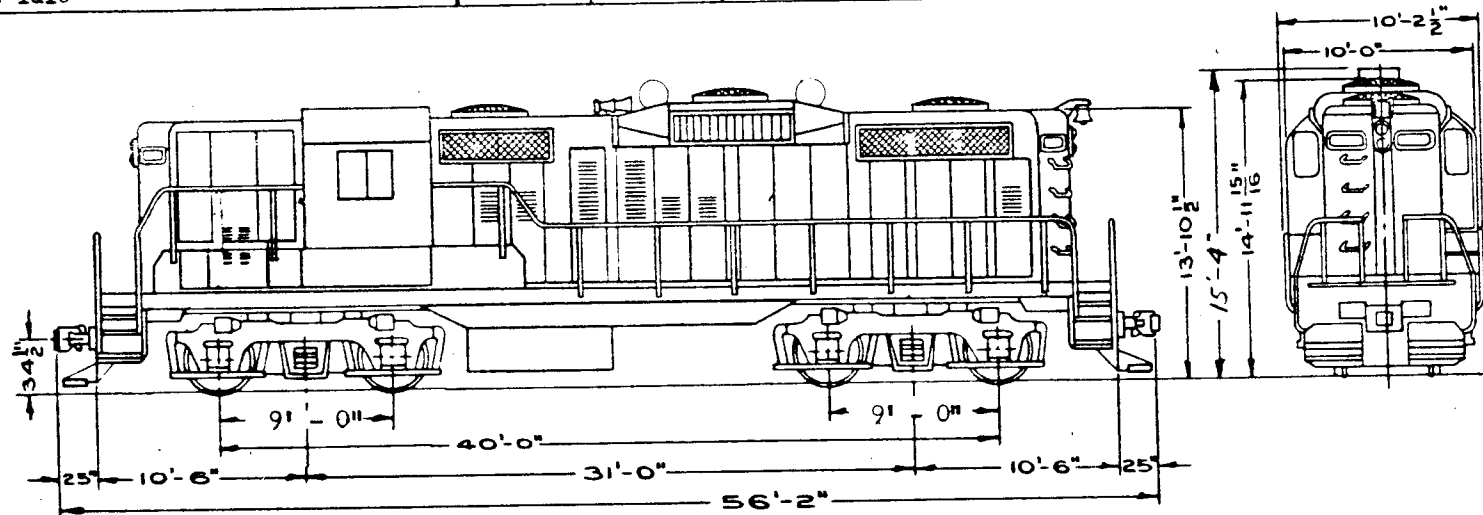
MECHANICAL DEPARTMENT

DIESEL UNIT DATA BOOK

GR-17y
CLASS

4147
To 4156
NUMBERS

DIESEL ENGINE: 1750 H.P. G.M. 567-C V-type 16 cylinder, 6 1/2" bore, 10" stroke 835 R.P.M. Full speed 275 R.P.M. Idle "	WEIGHT DISTRIBUTION						BUILDER	G.M.D.
	FR. MIN	REAR MIN.	TOTAL	FR. MAX.	REAR MAX.	TOTAL	ORDER N ^o	C-263
	LIGHT						MODEL N ^o	GP-9
	LOADED					235,000	DATE BUILT	1959



CAPACITIES		WHEELS: TYPE & CLASS		STEAM GENERATOR		ELECTRICAL EQUIPMENT	
ENG. COOLING WATER	189 IMP. GAL.	A-40	"C"	None		TRACTION MOTORS	AUXILIARY GEN: TYPE & N ^o
LUBRICATING OIL	167 IMP. GAL.	JOURNALS: TYPE & SIZE		AIR COMPRESSOR		Four	G.M. A-8102-A1
FUEL OIL	1000 IMP. GAL.					G.M. D-47-B	ALTERNATOR: TYPE & N ^o
SAND STORAGE	18 CU. FT.	Ryatt 6 1/2" x 12"		Gardner Denver W80		T.M. BLOWER MOTORS	G.M. D-14
STEAM GEN. WATER	- IMP. GAL.	TRUCKS		COOLING FANS		FOUR Reliance	M.U. CONTROL
OPERATING FEATURES		Swing Bolster		Two Tamper A.C.		MAIN GENERATOR	Yes
MAX. SPEED	65 M.P.H.			AIR BRAKE		G.M. D12-B	DYNAMIC BRAKE
GEAR RATIO	62 : 15					Westinghouse 26 L	Yes
T.E. STARTING							
T.E. CONTINUOUS	44000 lbs						
OPER. CURVE ALONE: 39°	COUPLED: 27°						

DEC 31 1974

Fully Automatic Transition	Four-Speed Solenoid Governor Control	Speed Recorder - Indicator	Steam Generator Remote Control Panel	Auxiliary Generator Trainline
Air Signal Line	Seal Beam HL with Trainline Control	Elect. Penumatic & auto-Sanding Feature	Combination Pilot and Footboard	Snowplow Electrical Connection. Excluding Units 4148, 4153 and 4155.

Steam Trainline not in use to be tested if required. Thru Steam Trainline Ends capped require piping inspection and application of Steam Connectors.

MECHANICAL DEPARTMENT

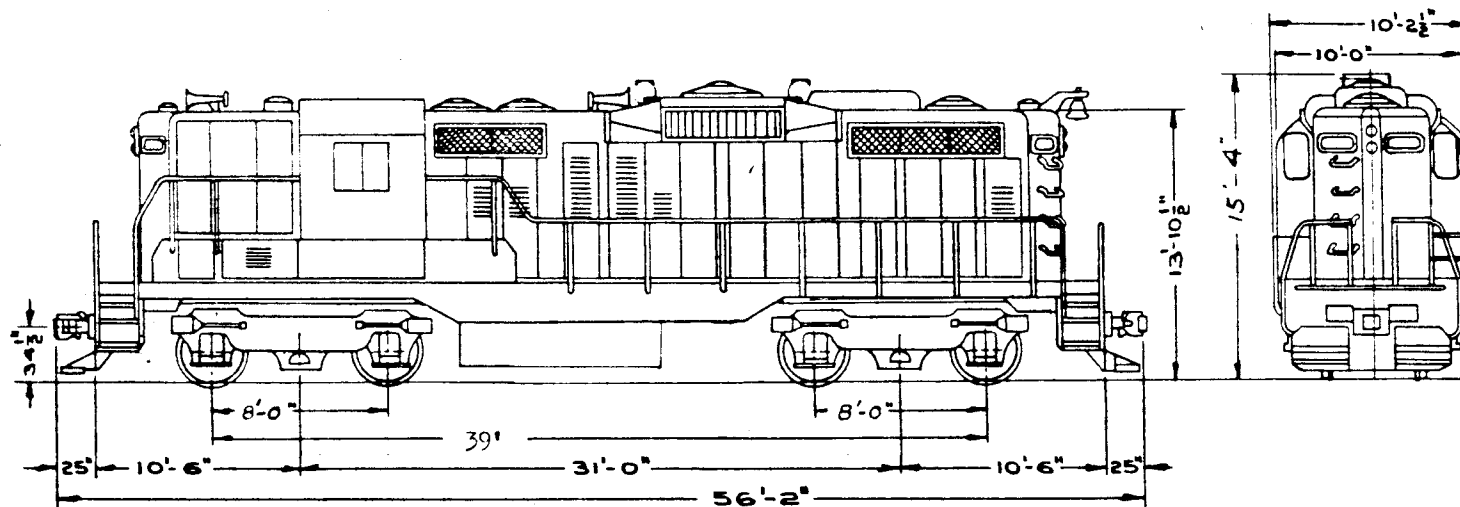
DIESEL UNIT DATA BOOK

GR-17_m To 4206
CLASS NUMBERS 4227

DIESEL ENGINE: 1750 H.P.
G.M. 567C V-type
16 cylinder, 8½" bore, 10" stroke
835 R.P.M. full speed
275 " Idling "

WEIGHT		DISTRIBUTION	
LOADED			232,000

BUILDER	G.M.
ORDER N ^o	C-233
MODEL N ^o	GP-9
DATE BUILT	1957



CAPACITIES		WHEELS: TYPE & CLASS		STEAM GENERATOR		ELECTRICAL EQUIPMENT	
ENG. COOLING WATER	189 IMP. GAL.	A-40	"C"	None		TRACTION MOTORS	AUXILIARY GEN: TYPE & N ^o
LUBRICATING OIL	167 IMP. GAL.	JOURNALS: TYPE & SIZE		AIR COMPRESSOR		FOUR	G.M. A-8102-A1
FUEL OIL	1000 IMP. GAL.	Ryatt 6½" x 12"		Gardner Denver WBO		G.M. D-37	18 K.W.
SAND STORAGE	18 CU. FT.	TRUCKS		COOLING FANS		T.M. BLOWER MOTORS	ALTERNATOR: TYPE & N ^o
STEAM GEN. WATER	- IMP. GAL.	Flexicoil		FOUR Tamper		FOUR Reliance	G.M. D-14
OPERATING FEATURES				AIR BRAKE		MAIN GENERATOR	M.U. CONTROL
MAX. SPEED	85 M.P.H.			Westinghouse 24-RL		G.M. D-12B	Yes
GEAR RATIO	62 : 15						DYNAMIC BRAKE
T.E. STARTING							700 AMP
T.E. CONTINUOUS	44,000 lbs						(DISCONNECTED)
OPER. CURVE ALONE: 39°	COUPLED: 21°						

DEC 31 1974

Fully Automatic Transition	Four-Speed Solenoid Governor Control	Speed Recorder - Indicator	Steam Generator Remote Control Panel	Auxiliary Generator Trainline	Snowplow Electrical Connection
Air Signal Line	Seal Beam HL with Trainline Control	Elect. Pneumatic and Auto-Sanding Feature	Automatic Locomotive Testing	Combination Pilot and Footboard	

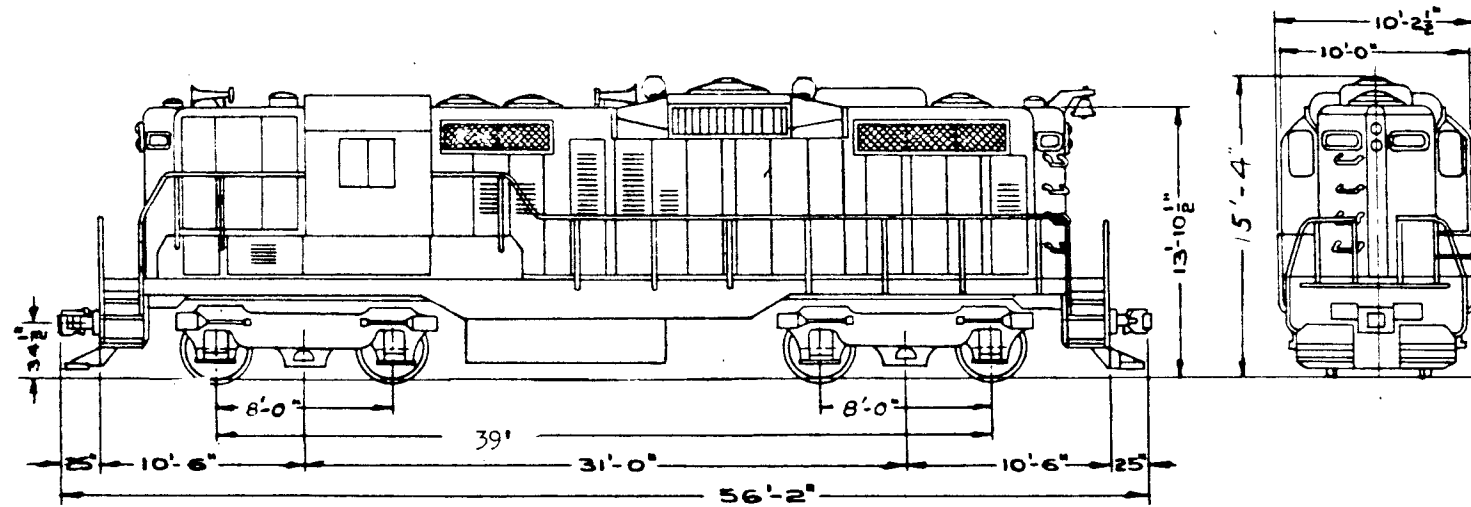
MECHANICAL DEPARTMENT

DIESEL UNIT DATA BOOK

GR-17₂ To 4228
CLASS NUMBERS 4244

DIESEL ENGINE: 1750 H.P.
G.M. 567-C V-type
16 cylinder, 8½" bore, 10" stroke
835 R.P.M. full speed
275 R.P.M. Idling "

WEIGHT DISTRIBUTION						BUILDER	G.M.
					TOTAL	ORDER N ^o	C-239
						MODEL N ^o	GP-9
LOADED					232,000	DATE BUILT	1958



CAPACITIES		WHEELS: TYPE & CLASS	STEAM GENERATOR	ELECTRICAL EQUIPMENT	
ENG. COOLING WATER	189 IMP. GAL.	A-40 "C"	None	TRACTION MOTORS	AUXILIARY GEN: TYPE & N ^o
LUBRICATING OIL	167 IMP. GAL.			FOUR G.M. D 47-B	G.M. A-8102-A1 18 K.W.
FUEL OIL	1000 IMP. GAL.	JOURNALS: TYPE & SIZE	AIR COMPRESSOR		ALTERNATOR: TYPE & N ^o
SAND STORAGE	18 CU. FT.	Hyatt 6½" x 12"	Gardner Denver WBO	T.M. BLOWER MOTORS	G.M. D-14
STEAM GEN. WATER	- IMP. GAL.			Four Reliance	M.U. CONTROL
OPERATING FEATURES		TRUCKS	COOLING FANS	MAIN GENERATOR	Yes
MAX. SPEED	65 M.P.H.	Floxi-oil	FOUR Reliance	G.M. D-12-B	DYNAMIC BRAKE
GEAR RATIO	62 ± 15				700 AMP (DISCONNECTED)
T.E. STARTING			AIR BRAKE		
T.E. CONTINUOUS	44,000 lbs		Westinghouse 24-RL		
OPER. CURVE ALONE: 39°	COUPLED: 21°				

DEC 31 1974

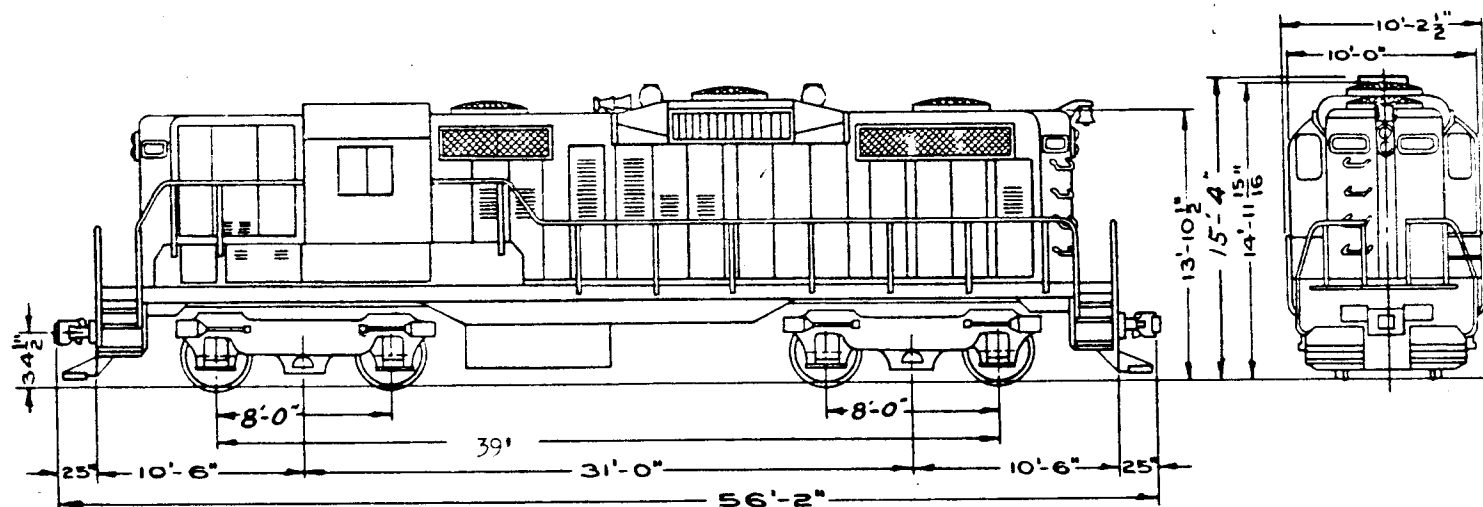
Fully Automatic Transition	Four-Speed Solenoid Governor Control	Speed Recorder - Indicator	Steam Generator Remote Control Panel	Auxiliary Generator Trainline	
Air Signal Line	Seal beam HL with Trainline Control	Elect. Pneumatic & Auto-Sanding Feature	Automatic Locomotive Testing	Combination Pilot and Footboard	

MECHANICAL DEPARTMENT

DIESEL UNIT DATA BOOK

GR-17t To 4245
CLASS NUMBERS
4270

DIESEL ENGINE : 1750 H.P. G.M. 567 C V-type 16 cylinder, 8½" bore, 10" stroke 835 R.P.M. full speed 275 R.P.M. Idling "	WEIGHT DISTRIBUTION				BUILDER	G.M.
					ORDER N ^o	C-250
					MODEL N ^o	GP-9
	LOADED				DATE BUILT	1958
				TOTAL	230,000	



CAPACITIES		WHEELS : TYPE & CLASS		STEAM GENERATOR	ELECTRICAL EQUIPMENT	
ENG. COOLING WATER	189 IMP. GAL.	A-40	"C"	None	TRACTION MOTORS	AUXILIARY GEN: TYPE & N ^o
LUBRICATING OIL	167 IMP. GAL.	JOURNALS: TYPE & SIZE		AIR COMPRESSOR	FOUR	G.M. A-8102-A1
FUEL OIL	1000 IMP. GAL.	Hyatt 6½" x 12"		Gardner Denver W80	G.M. D47-B	18 K.W.
SAND STORAGE	18 CU. FT.	TRUCKS		COOLING FANS	T.M. BLOWER MOTORS	ALTERNATOR : TYPE & N ^o
STEAM GEN. WATER	IMP. GAL.	Flexicoil		TWO Tamper	FOUR Reliance	G.M. D-14
OPERATING FEATURES				AIR BRAKE	MAIN GENERATOR	M.U. CONTROL
MAX. SPEED	65 M.P.H.			Westinghouse 24-RL	G.M. D-12-B	Yes
GEAR RATIO	62 : 15					DYNAMIC BRAKE
T.E. STARTING						700 AMP
T.E. CONTINUOUS	44,000 lbs.					(DISCONNECTED)
OPER. CURVE ALONE:	39°					
COUPLED:	21°					

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Fully Automatic Transition	Four-Speed Solenoid Governor Control	Speed Recorder - Indicator	Steam Generator Remote Control Panel	Auxiliary Generator Trainline
Air Signal Line	Seal Beam HL with Trainline Control	Elect.Pneumatic & Auto-Sanding Feature	Automatic Locomotive Testing	Combination Pilot and Footboard

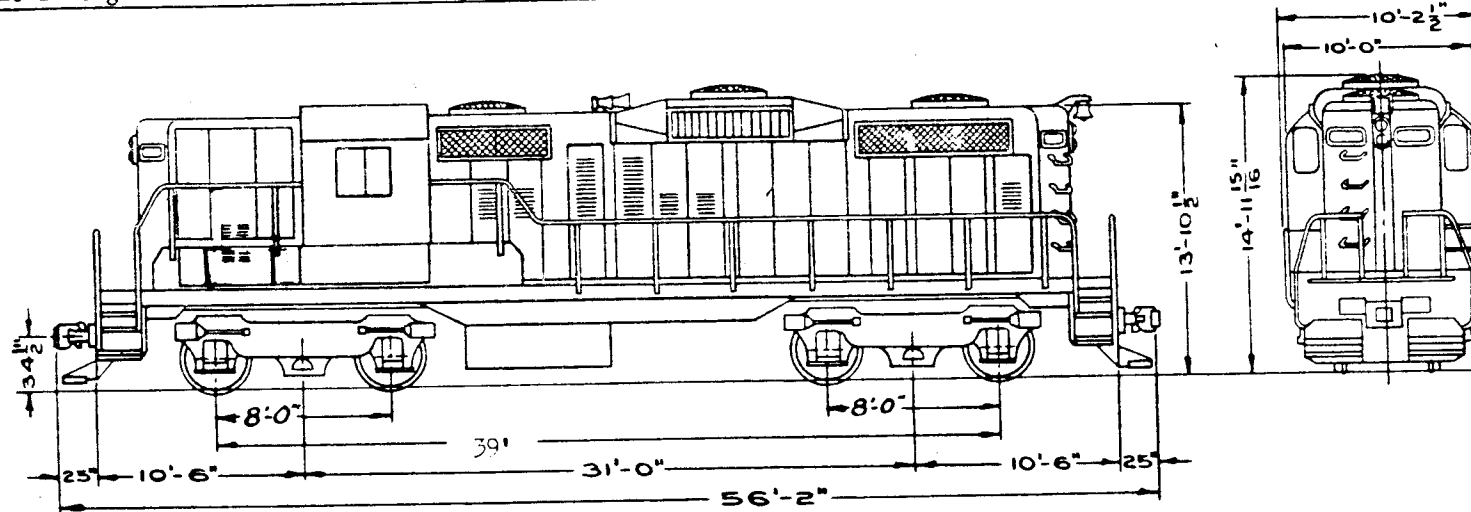
MECHANICAL DEPARTMENT

DIESEL UNIT DATA BOOK

GR-17u
CLASS

4271
To 4339
NUMBERS

DIESEL ENGINE: 1750 H.P. G.M. 567-C V-type 16 cylinder, 8½" Bore, 10" stroke, 835 R.P.M. full speed 275 R.P.M. Idling "	WEIGHT DISTRIBUTION						BUILDER	GMD	
		FR. MIN	REAR MIN.	TOTAL	FR. MAX.	REAR MAX.	TOTAL	ORDER N ^o	C-257
	LIGHT							MODEL N ^o	GP9R
	LOADED						229,000	DATE BUILT	1959



RETIRED
4286
4313
4335

CAPACITIES		WHEELS: TYPE & CLASS A-40 "C"	STEAM GENERATOR None	ELECTRICAL EQUIPMENT			
ENG. COOLING WATER	189 IMP. GAL.	JOURNALS: TYPE & SIZE Byatt 6½" x 12"	AIR COMPRESSOR Gardner Denver WBO	TRACTION MOTORS FOUR G.M. D-47-B	AUXILIARY GEN: TYPE & N ^o G.M. A-8102-A1 18 K.W.		
LUBRICATING OIL	167 IMP. GAL.			COOLING FANS TWO Tamper A.C.	T.M. BLOWER MOTORS FOUR Reliance	ALTERNATOR: TYPE & N ^o G.M. D-14	
FUEL OIL	1000 IMP. GAL.			TRUCKS Flexicoil	AIR BRAKE Westinghouse 24-RL	MAIN GENERATOR G.M. D-12-B	M.U. CONTROL Yes
SAND STORAGE	18 CU. FT.					Automatic Locomotive Testing.	DYNAMIC BRAKE Units 4300-4312 only 700 AMP
STEAM GEN. WATER	- IMP. GAL.						
OPERATING FEATURES							
MAX. SPEED	65 M.P.H.						
GEAR RATIO	62 : 15						
T.E. STARTING							
T.E. CONTINUOUS	44,000 lbs						
OPER. CURVE ALONE: 39°	COUPLED: 21°						

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Fully Automatic Transition	Low H.P.H. Control	Four-Speed Solenoid Governor Control	Speed Recorder - Indicator	Steam Generator Remote Control Panel	Experimental Steel Pilot at #1 End and Combination Pilot and Footboard at #2 End. Units 4331 and 4336 only.
Auxiliary Generator Trainline	Snowplow Electrical Connection Excluding Units 4293, 4325, 4328, 4330 to 4334, 4336 to 4339	Seal Beam HL with Trainline Control	Elect. Pneumatic and Auto-Sanding Feature	Combination Pilot and Footboard. Excluding Units 4314, 4331 and 4336.	

Air Signal Line

MECHANICAL DEPARTMENT

DIESEL UNIT DATA BOOK

GR-17

4340
TO
4353

CLASS

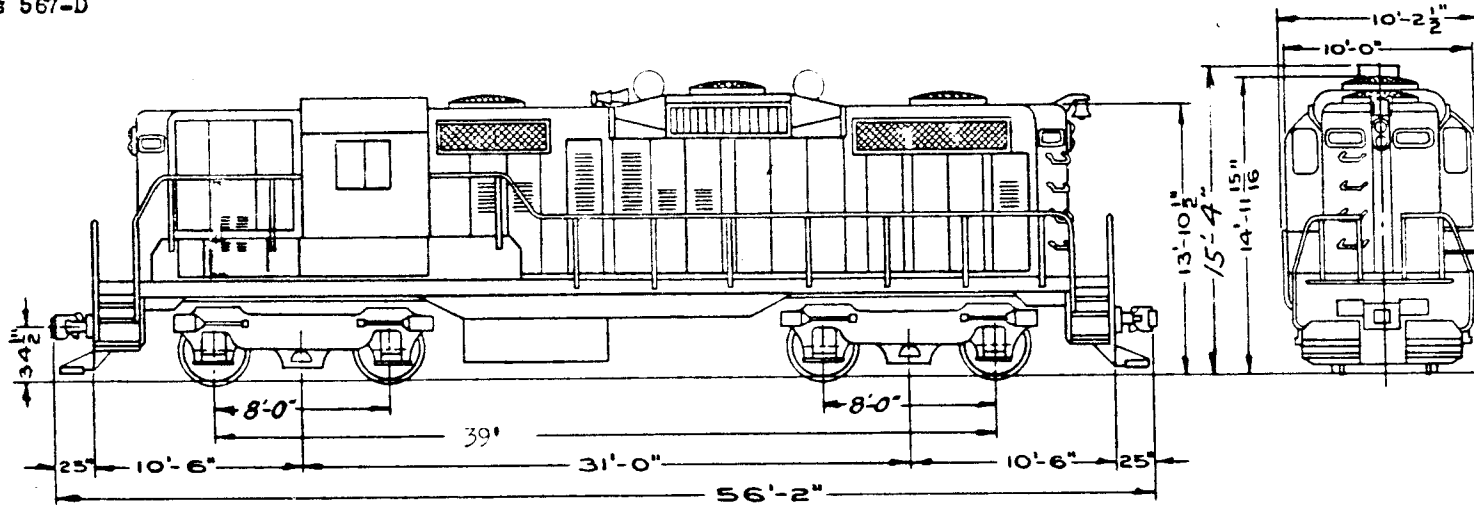
NUMBERS

DIESEL ENGINE: 1750 H.P.
■ G.M. 567-C V-type
16 cylinder, 8½" bore, 10" stroke,
835 R.P.M. Full speed
275 R.P.M. Idle "

	WEIGHT			DISTRIBUTION		
	FR. MIN	REAR MIN.	TOTAL	FR. MAX.	REAR MAX.	TOTAL
LIGHT						
LOADED						229,000

BUILDER	GMD
ORDER N ^o	C-263
MODEL N ^o	GP-9
DATE BUILT	1959

■ #4346 has 567-D



CAPACITIES		WHEELS: TYPE & CLASS	STEAM GENERATOR	ELECTRICAL	EQUIPMENT
ENG. COOLING WATER	189 IMP. GAL.	A-40 "C"	None	TRACTION MOTORS	AUXILIARY GEN: TYPE & N ^o
LUBRICATING OIL	167 IMP. GAL.			Four	G.M. A-8102-A1
FUEL OIL	1000 IMP. GAL.	JOURNALS: TYPE & SIZE	AIR COMPRESSOR	G.M. D47-B	18 K.W.
SAND STORAGE	18 CU. FT.	Ryatt 6½" x 12"	Gardner Denver W80	T.M. BLOWER MOTORS	ALTERNATOR: TYPE & N ^o
STEAM GEN. WATER	- IMP. GAL.			Four Reliance	G.M. D-14
OPERATING FEATURES		TRUCKS	COOLING FANS	MAIN GENERATOR	M.U. CONTROL
MAX. SPEED	65 M.P.H.	Flexicoil	Two Temper A.C.	G.M. D-12-B	Yes
GEAR RATIO	62 : 15				DYNAMIC BRAKE
T.E. STARTING			AIR BRAKE		YES 700 AMP
T.E. CONTINUOUS	44,000 lbs		Westinghouse 26L		
OPER. CURVE ALONE: 39°	COUPLED: 21°				

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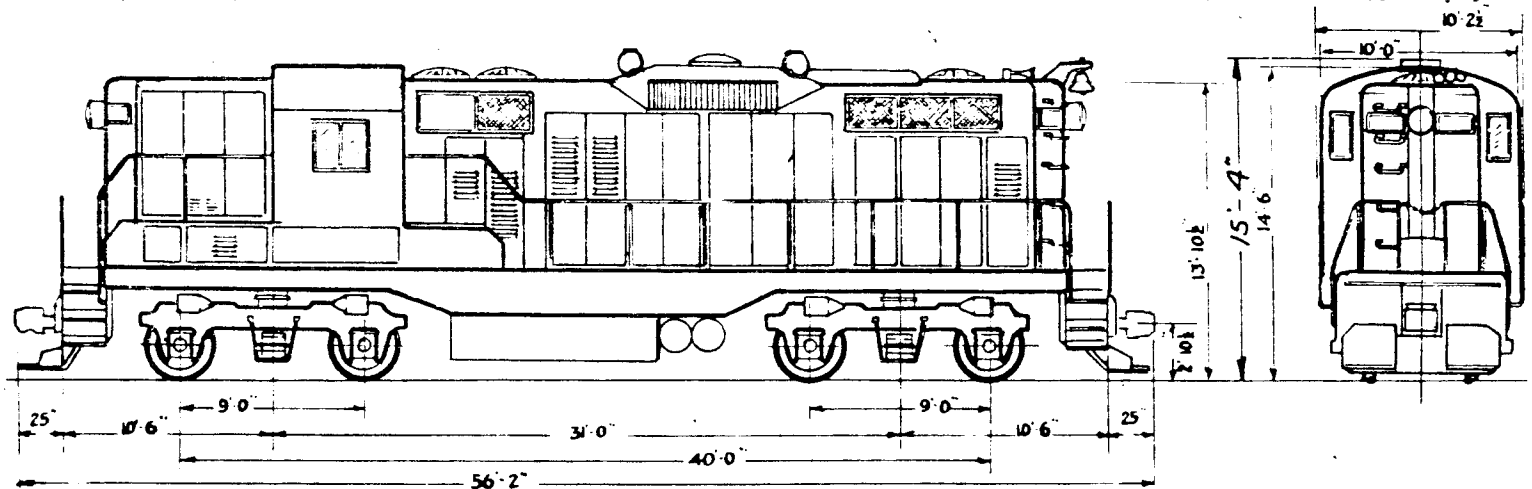
Fully Automatic Transition	Four-Speed Solenoid Governor Control	Speed Recorder - Indicator	Auxiliary Generator Trainline	Air Signal Line	Snowplow Electrical Connection. Unit 4345 Only
Seal Beam HL with Trainline Control	Elect. Pneumatic and Auto-Sanding Feature	Automatic Locomotive Testing	Combination Pilot & Footboard	Steam Generator Remote Control Panel Excluding Units 4341, 4343 and 4352	

MECHANICAL DEPARTMENT

DIESEL UNIT DATA BOOK

GR-17a To 4400
CLASS NUMBERS

DIESEL ENGINE: 1750 H.P. G.M. 567C V-type 16 cylinder, 8 1/8" bore, 10" stroke 835 R.P.M. full speed 275 R.P.M. Idling "	WEIGHT DISTRIBUTION						BUILDER	G.M.D.
	FR. MIN	REAR MIN.	TOTAL	FR. MAX.	REAR MAX.	TOTAL	ORDER N ^o	C-184
	LIGHT						MODEL N ^o	GP-9
	LOADED					248,000	DATE BUILT	1955



CAPACITIES			WHEELS: TYPE & CLASS A-40 "C"	STEAM GENERATOR None	ELECTRICAL EQUIPMENT			
ENG. COOLING WATER	189	IMP. GAL.	JOURNALS: TYPE & SIZE Hyatt 6 1/2" x 12"	AIR COMPRESSOR Gardner Denver WXO	TRACTION MOTORS		AUXILIARY GEN: TYPE & N ^o	
LUBRICATING OIL	167	IMP. GAL.			G.M. D-37 4 Motors		Delco or Tampo 18 KW 74V D.C.	
FUEL OIL	1000	IMP. GAL.			T.M. BLOWER MOTORS		ALTERNATOR: TYPE & N ^o	
SAND STORAGE	18	CU. FT.			Four Reliance A.C.		GMD D-14	
STEAM GEN. WATER	-	IMP. GAL.			MAIN GENERATOR		M.U. CONTROL	
OPERATING FEATURES			TRUCKS Swing Bolster	COOLING FANS Four	G.M.D. D-12		DYNAMIC BRAKE Units 4405-4414 only Yes	
MAX. SPEED	65	M.P.H.	AIR BRAKE					
GEAR RATIO	62 : 15		Westinghouse 24 RL					
T.E. STARTING								
T.E. CONTINUOUS	44,000							
OPER. CURVE ALONE: 38 ^o	COUPLED:							

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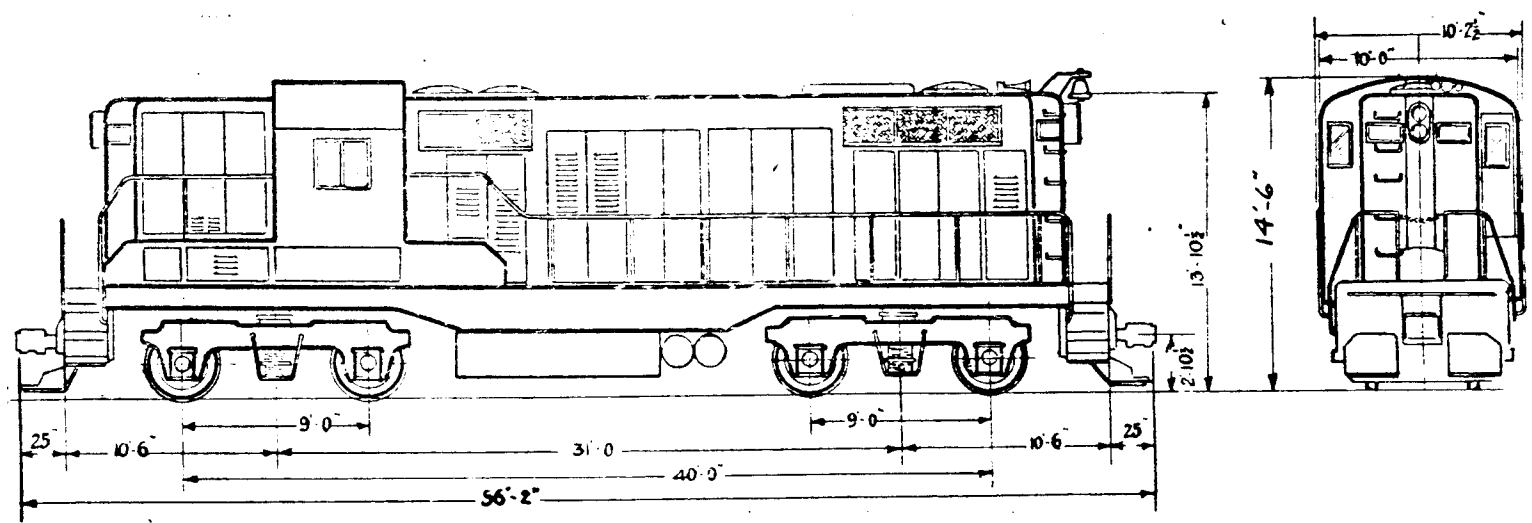
Fully Automatic Transition	Four-Speed Solenoid Governor Control	Speed Recorder - Indicator	Steam Generator Remote Control Panel	Auxiliary Generator Trainline	Snowplow Electrical Connection. Unit 4400 only.
Air Signal Line	Elect. Pneumatic & Auto-Sanding Feature	Combination Pilot & Footboard	Low M.P.H. Control Units 4405 to 4414 Only.	Seal Beam HL with Trainline Control Units 4402, 4404, 4412, 4413, 4419, 4421, 4422, 4424 to 4426 Only.	

MECHANICAL DEPARTMENT

DIESEL UNIT DATA BOOK

G.W. 4427
 GR-17b CLASS To 4441 NUMBERS

DIESEL ENGINE: 1750 H.P. G.M. 587C V-type 16 cylinder, 8 1/2" bore, 10" stroke. 835 R.P.M. full speed 275 R.P.M. Idling "	WEIGHT DISTRIBUTION						BUILDER	E.M.D.	
		FR. MIN	REAR MIN.	TOTAL	FR. MAX.	REAR MAX.	TOTAL	ORDER N ^o	5343
	LIGHT						235,500	MODEL N ^o	GP-9
	LOADED						246,000	DATE BUILT	1954



CAPACITIES		WHEELS: TYPE & CLASS A-40 "C"	STEAM GENERATOR None	ELECTRICAL EQUIPMENT	
ENG. COOLING WATER	169 IMP. GAL.			TRACTION MOTORS E.M.D. D-57 4 Motors	AUXILIARY GEN: TYPE & N ^o Deleo 18 KW 64-72V D.C.
LUBRICATING OIL	166 IMP. GAL.	JOURNALS: TYPE & SIZE Ryatt 6 1/2" x 12"	AIR COMPRESSOR Gardner Denver RXO	ALTERNATOR: TYPE & N ^o GMD-14	
FUEL OIL	916 IMP. GAL.			T.M. BLOWER MOTORS 4 Deleo	M.U. CONTROL Yes
SAND STORAGE	18 CU. FT.	TRUCKS Swing Bolster	COOLING FANS Four	MAIN GENERATOR E.M.D. D-12	DYNAMIC BRAKE No
STEAM GEN. WATER	- IMP. GAL.	OPERATING FEATURES			
MAX. SPEED	- 65 M.P.H.	MAX. SPEED - 65 M.P.H. GEAR RATIO 62 : 15 T.E. STARTING T.E. CONTINUOUS 44,000 OPER. CURVE ALONE: 59 ^o COUPLED:			
GEAR RATIO	62 : 15				
T.E. STARTING					
T.E. CONTINUOUS	44,000				

Fully Automatic Transition	Four-Speed Solenoid Governor Control	Speed Recorder - Indicator	Air Signal Line	Seal Beam HL with Trainline Control	
Elect. Pneumatic & Auto-Sanding Feat.					

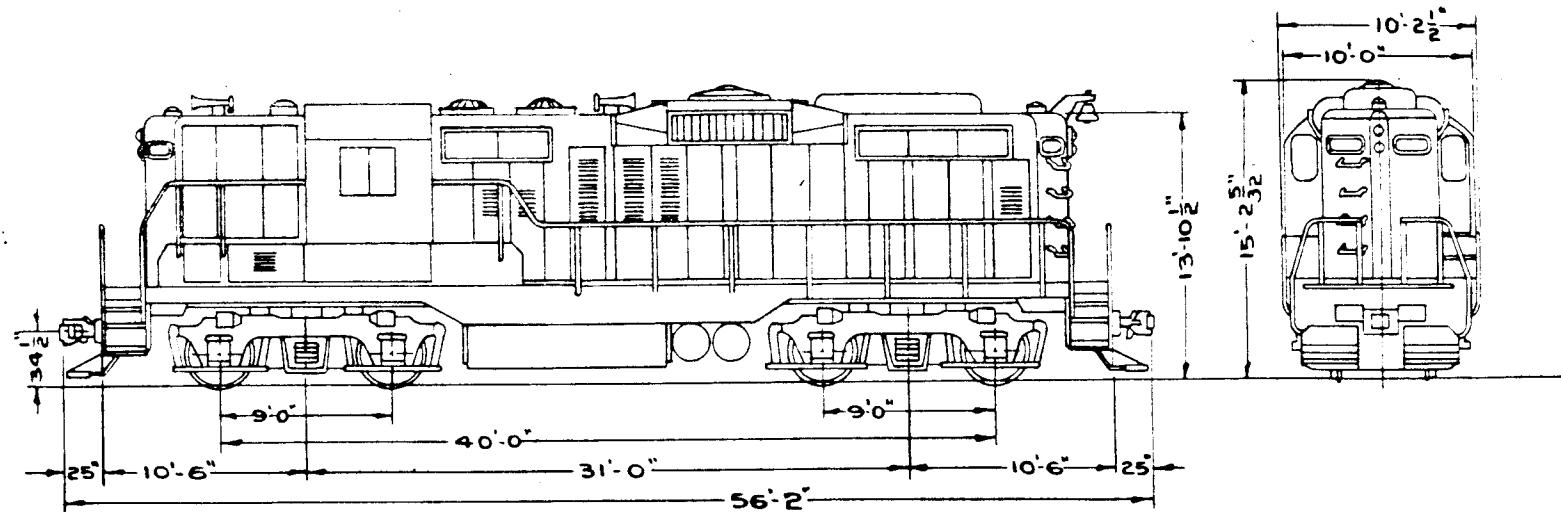
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MECHANICAL DEPARTMENT

DIESEL UNIT DATA BOOK

C.V. 4442 To 4450
 GR-17d CLASS NUMBERS

DIESEL ENGINE: 1750 H.P. E.M.D 567 C V-type 16 cylinder, 8 1/2" bore, 10" stroke 835 R.P.M. full speed 275 R.P.M. Idling "	WEIGHT DISTRIBUTION						BUILDER	E.M.D.	
		FR. MIN	REAR MIN.	TOTAL	FR. MAX.	REAR MAX.	TOTAL	ORDER N ^o	5445
	LIGHT	115,260	118,150	233,410	115,760	118,920	234,520	MODEL N ^o	GP-22
	LOADED	122,570	124,000	246,570	123,070	124,770	247,680	DATE BUILT	1966



CAPACITIES		WHEELS: TYPE & CLASS		STEAM GENERATOR	ELECTRICAL EQUIPMENT	
ENG. COOLING WATER	189 IMP. GAL.	A-40	"C"	None	TRACTION MOTORS	AUXILIARY GEN: TYPE & N ^o
LUBRICATING OIL	166 IMP. GAL.	JOURNALS: TYPE & SIZE		AIR COMPRESSOR	Four E.M.D. D-37-B	Deleo 18 KW D.C.
FUEL OIL	1333 IMP. GAL.	Ryatt 6 1/2" x 12"		Gardner Denver WFO	T.M. BLOWER MOTORS	ALTERNATOR: TYPE & N ^o
SAND STORAGE	18 CU. FT.	TRUCKS		COOLING FANS	Four Deleo	EMD D-14
STEAM GEN. WATER	- IMP. GAL.	Swing Bolster		Four Deleo	MAIN GENERATOR	M.U. CONTROL
OPERATING FEATURES				AIR BRAKE	E.M.D. D-12-B	Yes
MAX. SPEED	65 M.P.H.			Westinghouse 24RL		DYNAMIC BRAKE
GEAR RATIO	62 : 15					700 AMP
T.E. STARTING						
T.E. CONTINUOUS	44,000					
OPER. CURVE ALONE: 39°	COUPLED: 21°					

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Fully automatic Transition	Four-Speed Solenoid Governor Control	Speed Recorder - Indicator	Steam Generator Remote Control Panel	Air Signal Line
Seal Beam HL with Trainline Control	Elect. Pneumatic & Auto-Sanding Feature	Combination Pilot and Footboard	Snowplow Electrical Connection. Excluding units 4446, 4448 and 4450	

MECHANICAL DEPARTMENT

DIESEL UNIT DATA BOOK

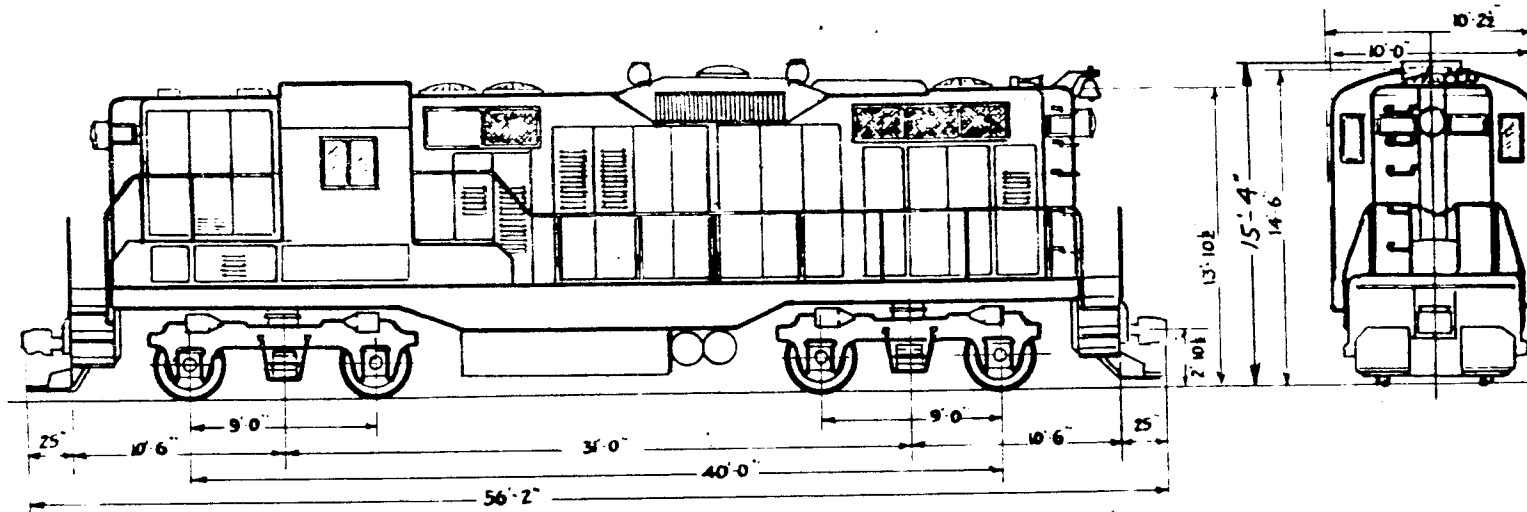
GR-17f To 4451
CLASS NUMBERS

DIESEL ENGINE: 1750 H.P.
G.M. 567C V-type
18 cylinder, 8 1/2" bore, 10" stroke
835 R.P.M. full speed
275 R.P.M. Idling "

	WEIGHT			DISTRIBUTION		
	FR. MIN	REAR MIN.	TOTAL	FR. MAX.	REAR MAX.	TOTAL
LIGHT						
LOADED						247,000

BUILDER	G.M.D.
ORDER N ^o	C-195
MODEL N ^o	GP-9
DATE BUILT	1955-56

4468
4471



RETIRED
4481

CAPACITIES		WHEELS: TYPE & CLASS	STEAM GENERATOR	ELECTRICAL	EQUIPMENT
ENG. COOLING WATER	189 IMP. GAL.	A-40 "C"	None	TRACTION MOTORS	AUXILIARY GEN: TYPE & N ^o
LUBRICATING OIL	187 IMP. GAL.	JOURNALS: TYPE & SIZE	AIR COMPRESSOR	G.M. D-37	Delco or Temper
FUEL OIL	1000 IMP. GAL.	Hyatt 6 1/2" x 12"	Gardner Denver WXO	4 Motors	18 KW 74V. D.C.
SAND STORAGE	18 CU. FT.	TRUCKS	COOLING FANS	T.M. BLOWER MOTORS	ALTERNATOR: TYPE & N ^o
STEAM GEN. WATER	- IMP. GAL.	Swing Bolster	Four	Four	G.M. D-14
OPERATING FEATURES		Elec. Pneumatic and Auto. Sanding Feature	AIR BRAKE	Main Generator	M.U. CONTROL
MAX. SPEED	65 M.P.H.		Westinghouse 24RL	G.M. D-12	Yes
GEAR RATIO	62 : 15				DYNAMIC BRAKE
T.E. STARTING					Yes
T.E. CONTINUOUS	44,000				(DISCONNECTED)
OPER. CURVE ALONE: 38°	COUPLED:				

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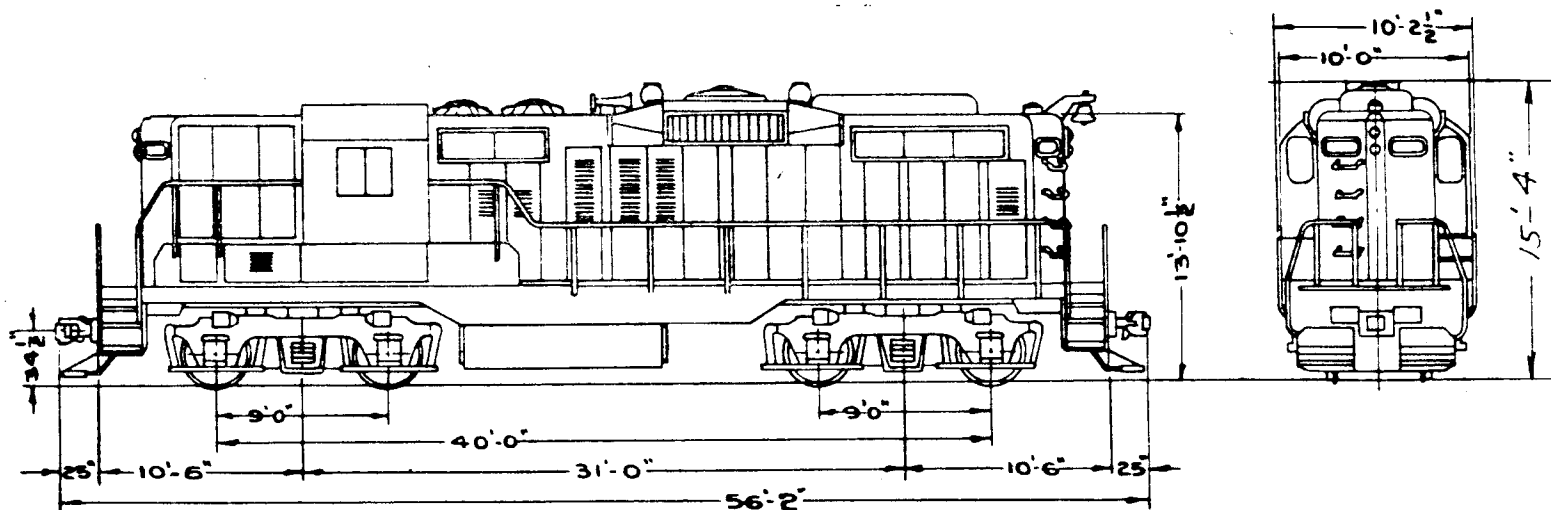
Fully Automatic Transition	Four-Speed Solenoid Governor Control	Speed Recorder - Indicator	Steam Generator remote Control Panel	Hump Control Units 4468 and 4469 Only	Experimental Steel Pilot at #1 End and Combination Pilot and Footboard at #2 End. Units 4453, 4457 and 4472 only.
Seal beam HL with Trainline Control	Auxiliary Generator Trainline Excluding Unit 4464	Air Signal Line	Automatic Locomotive Testing Excluding Units 4451 to 4463, 4466 to 4470	Snowplow Electrical Connection Excluding Units 4451 to 4471	

MECHANICAL DEPARTMENT

DIESEL UNIT DATA BOOK

GR-17₉ To 4496
CLASS NUMBERS 4501

DIESEL ENGINE: 1750 H.P. G.M. 567-C V-type 16 cylinder, 8½" bore, 10" stroke 835 R.P.M. full speed 275 R.P.M. Idling "	WEIGHT DISTRIBUTION						BUILDER	G.M.
		FR. MIN	REAR MIN.	TOTAL	FR. MAX.	REAR MAX.	ORDER N ^o	C-214
	LIGHT						MODEL N ^o	GP-9
	LOADED					240,000	DATE BUILT	1956



CAPACITIES			WHEELS: TYPE & CLASS A-40 "C"	STEAM GENERATOR None	ELECTRICAL EQUIPMENT
ENG. COOLING WATER	189	IMP. GAL.	JOURNALS: TYPE & SIZE Ryatt 6½" x 12"	AIR COMPRESSOR Gardner Denver WBO	TRACTION MOTORS 4 - G.M. D-37
LUBRICATING OIL	167	IMP. GAL.			ALTERNATOR: TYPE & N ^o G.M. A-8102-A1 18 K.W.
FUEL OIL	1000	IMP. GAL.	TRUCKS Swing Bolster	COOLING FANS Four TAMPER	T.M. BLOWER MOTORS G.M. D-14
SAND STORAGE	18	CU. FT.			MAIN GENERATOR G.M. D-12B
STEAM GEN. WATER	-	IMP. GAL.		AIR BRAKE Westinghouse 24 HL	DYNAMIC BRAKE Yes Units 4498-4501 only
OPERATING FEATURES					
MAX. SPEED	65	M.P.H.			
GEAR RATIO	62 : 18				
T.E. STARTING					
T.E. CONTINUOUS	44,000				
OPER. CURVE ALONE: 39°	COUPLED: 27°				

Fully Automatic Transition	Four-Speed Solenoid Governor Control	Speed Recorder - Indicator	Steam Generator remote Control Panel	Auxiliary Generator Trainline	Experimental Steel Pilot at #1 End and Combination Pilot and Footboard at #2 End excluding Unit 4501
Air Signal Line	Seal Beam HL with Trainline Control	Combination Pilot and Footboard	Low M.P.H. Control Excluding Units 4496 and 4497	Elect. Pneumatic and Auto. Sanding Feature.	

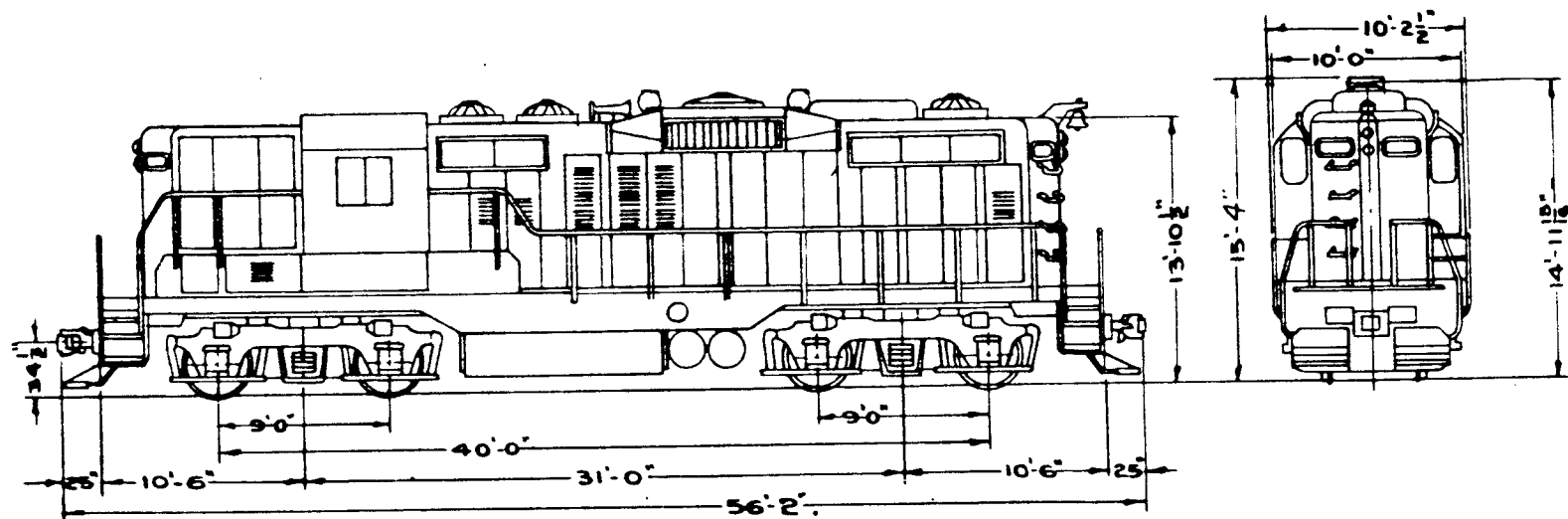
DEC 31 1974

MECHANICAL DEPARTMENT

DIESEL UNIT DATA BOOK

GR-17h 4502 to 4537
CLASS NUMBERS

DIESEL ENGINE: 1750 H.P. GM 567-C V-type 16 cylinder, 8½" bore, 10" stroke, 835 RPM Full speed 275 RPM Idling "	WEIGHT DISTRIBUTION				BUILDER	G.M.D
					TOTAL	ORDER N ^o
					247,000	MODEL N ^o
	LOADED					DATE BUILT



RETIRED
4531

CAPACITIES		WHEELS: TYPE & CLASS A-40 "C"	STEAM GENERATOR None	ELECTRICAL EQUIPMENT
ENG. COOLING WATER	189 IMP. GAL.	JOURNALS: TYPE & SIZE Hyatt 6½" x 12"	AIR COMPRESSOR Gardner Denver WBO	TRACTION MOTORS Four GM D-37
LUBRICATING OIL	167 IMP. GAL.	TRUCKS Swing Bolster	COOLING FANS Four Tamper A.C.	AUXILIARY GEN: TYPE & N ^o G.M. A-8102-A1 18 KW
FUEL OIL	1000 IMP. GAL.	Elect. Pneumatic and Auto. Sanding Feature.	AIR BRAKE Westinghouse 24-RL	ALTERNATOR: TYPE & N ^o
SAND STORAGE	18 CU. FT.	OPERATING FEATURES		M.U. CONTROL Yes
STEAM GEN. WATER	- IMP. GAL.	MAX. SPEED 65 M.P.H.		DYNAMIC BRAKE Yes 700 AMP
		GEAR RATIO 62 : 15		Units 4528-4537 only
		T.E. STARTING		
		T.E. CONTINUOUS 44,000		
		OPER. CURVE ALONE: 39° COUPLED: 21°		

DEC 31 1974

Fully Automatic Transition	Four-Speed Solenoid Governor Control	Speed Recorder - Indicator	Steam Generator Remote Control Panel	Combination Pilot and Footboard Excluding Units 4516, 4521, 4526, 4529, 4532 and 4533	Experimental Steel Pilot at #1 End and Combination Pilot and Footboard at #2 End. Units 4516, 4521, 4526, 4529, 4532 and 4533 Only
Auxiliary Generator Trainline	Seal Beam HL with Trainline Control	Snowplow Electrical Connection	Automatic Locomotive Testing Units 4502 to 4512 Only		
Air Signal Line					

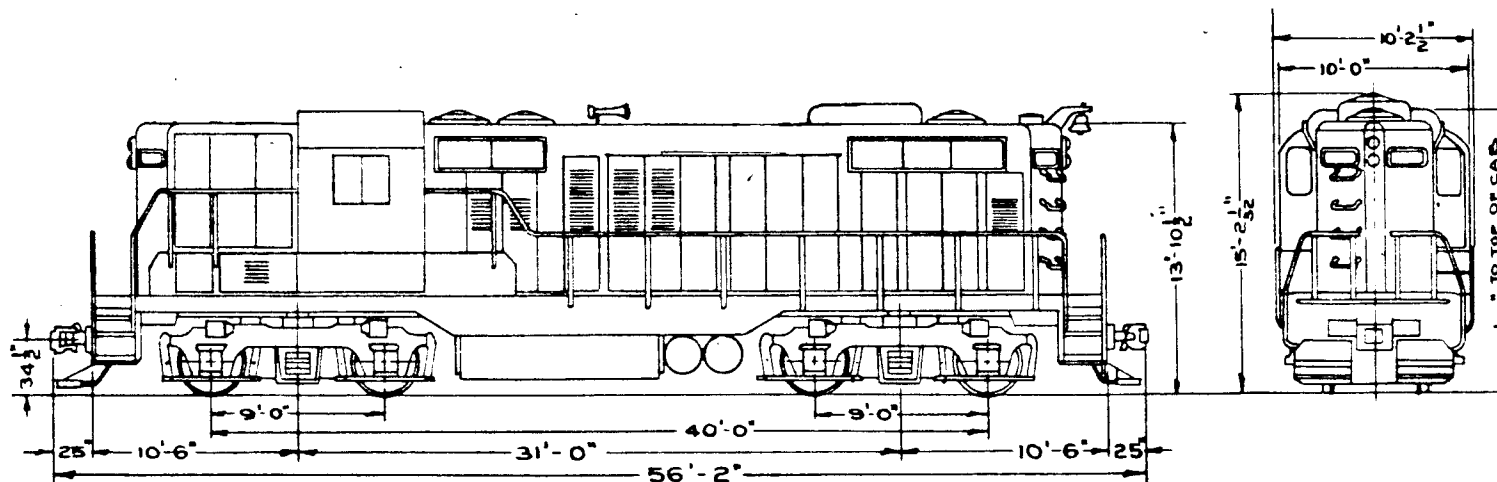
MECHANICAL DEPARTMENT

DIESEL UNIT DATA BOOK

GR-17J ^{REV 4539-40} 4542 TO 4546
CLASS NUMBERS

DIESEL ENGINE: 1750 H.P.
G.M. 567C V-type
16 cylinder, 8 1/2" bore, 10" stroke
835 R.P.M. full speed
275 R.P.M. Idling "

WEIGHT DISTRIBUTION						BUILDER	E.M.D.
	FR. MIN	REAR MIN.	TOTAL	FR. MAX.	REAR MAX.	ORDER N ^o	5513
LIGHT						MODEL N ^o	GP-9R
LOADED			244,300			DATE BUILT	1957



CAPACITIES		WHEELS: TYPE & CLASS	STEAM GENERATOR	ELECTRICAL EQUIPMENT	
ENG. COOLING WATER	189 IMP. GAL.	D-40 "C"	None	TRACTION MOTORS	
LUBRICATING OIL	166 IMP. GAL.	JOURNALS: TYPE & SIZE Hyatt 8 1/2" x 12"	AIR COMPRESSOR Gardner Denver WBO	Four EMD D37-B	
FUEL OIL	1080 IMP. GAL.			AUXILIARY GEN: TYPE & N ^o Delco 18 K.W. D.C.	
SAND STORAGE	18 CU. FT.	TRUCKS Swing Bolster	COOLING FANS Four	ALTERNATOR: TYPE & N ^o E.M.D. D-14	
STEAM GEN. WATER	- IMP. GAL.			AIR BRAKE Westinghouse 24-RL	M.U. CONTROL Yes
OPERATING FEATURES		After Mod. 9617	Four	MAIN GENERATOR	
MAX. SPEED	83 MPH			E.M.D. D-12	DYNAMIC BRAKE No
GEAR RATIO	59 : 18				
T.E. STARTING					
T.E. CONTINUOUS	36,000 lbs				
OPER. CURVE ALONE: 39°	COUPLED: 21°				

DEC 31 1974

Fully Automatic Trainline	Four-Speed Solenoid Governor Control	Speed Recorder - Indicator	Steam Generator Remote Control Panel	Air Signal Line
Seal Beam HL with Trainline Control	Elect. Pneumatic and Auto-Sanding Feature	Combination Pilot and Footboard	Snowplow Electrical Connection	

MECHANICAL DEPARTMENT

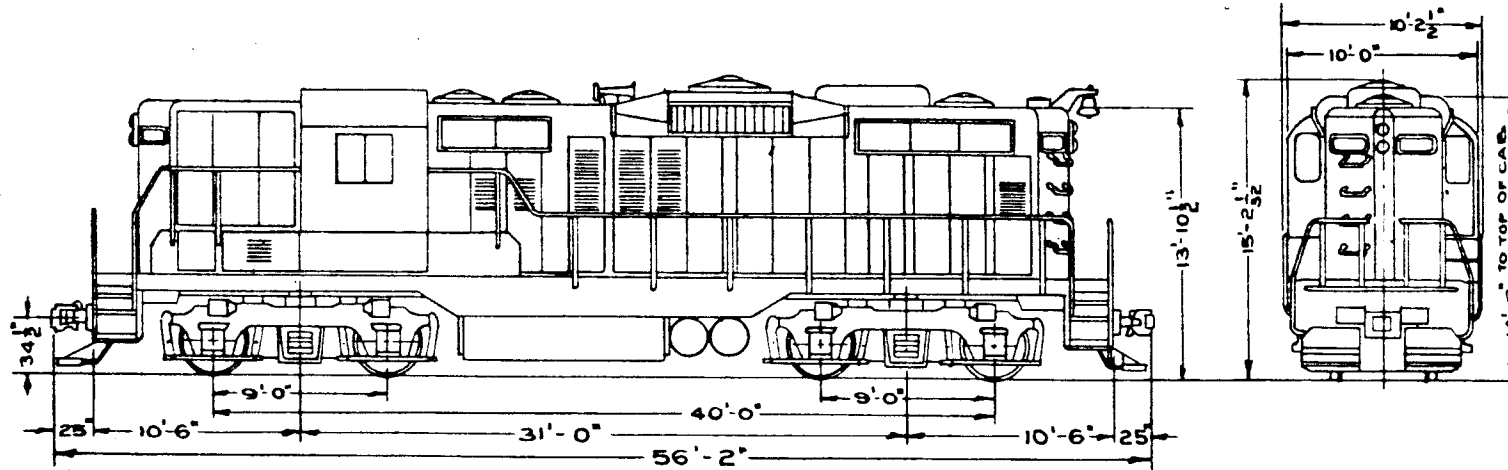
DIESEL UNIT DATA BOOK GR-17j

CV 4547-4551
GTW 4552-4557
NUMBERS

DIESEL ENGINE: 1750 H.P.
E.M.D. 567C V-type
16 cylinder, 8½" bore, 10" stroke
835 R.P.M. full speed
275 R.P.M. idling "

WEIGHT	TOTAL	BUILDER	E.M.D.
	234,240	ORDER N ^o	5512
LIGHT	234,240	MODEL N ^o	GP-9R-D
LOADED	245,270	DATE BUILT	1957

RETIRED



CAPACITIES		WHEELS : TYPE & CLASS	STEAM GENERATOR	ELECTRICAL EQUIPMENT	
ENG. COOLING WATER	189 IMP. GAL.	A-40 "C"	None	TRACTION MOTORS	AUXILIARY GEN: TYPE & N^o
LUBRICATING OIL	166 IMP. GAL.	JOURNALS: TYPE & SIZE	AIR COMPRESSOR	Four	Delco A-8102-A1
FUEL OIL	1080 IMP. GAL.			Gardner Denver WBO	E.M.D. D37-B
SAND STORAGE	18 CU. FT.	Hyatt 6½" x 12"	Gardner Denver WBO	T.M. BLOWER MOTORS	ALTERNATOR : TYPE & N^o
STEAM GEN. WATER	- IMP. GAL.		Direct Drive	Four	EMD D-14
OPERATING FEATURES		TRUCKS	COOLING FANS	Delco 1-435	M.U. CONTROL
MAX. SPEED	65 M.P.H.	Swing Bolster	Four Delco AC		Yes
GEAR RATIO	62:15			MAIN GENERATOR	DYNAMIC BRAKE
T.E. STARTING	44,000		AIR BRAKE	E.M.D. D12B	Yes
T.E. CONTINUOUS	44,000		Westinghouse 24-RL		700 AMP
OPER. CURVE ALONE: 38°	COUPLED: 27°				

DEC 31 1974

Fully Automatic Transition	Four-Speed Solenoid Governor Control	Speed Recorder - Indicator	Steam Generator Remote Control Panel	Auxiliary Generator Trainline
Air Signal Line	Seal Beam HL with Trainline Control	Elect.Pneumatic and Auto-Sanding Feature	Combination Pilot and Footboard	Snowplow Electrical Connection Units 4552 to 4557 only

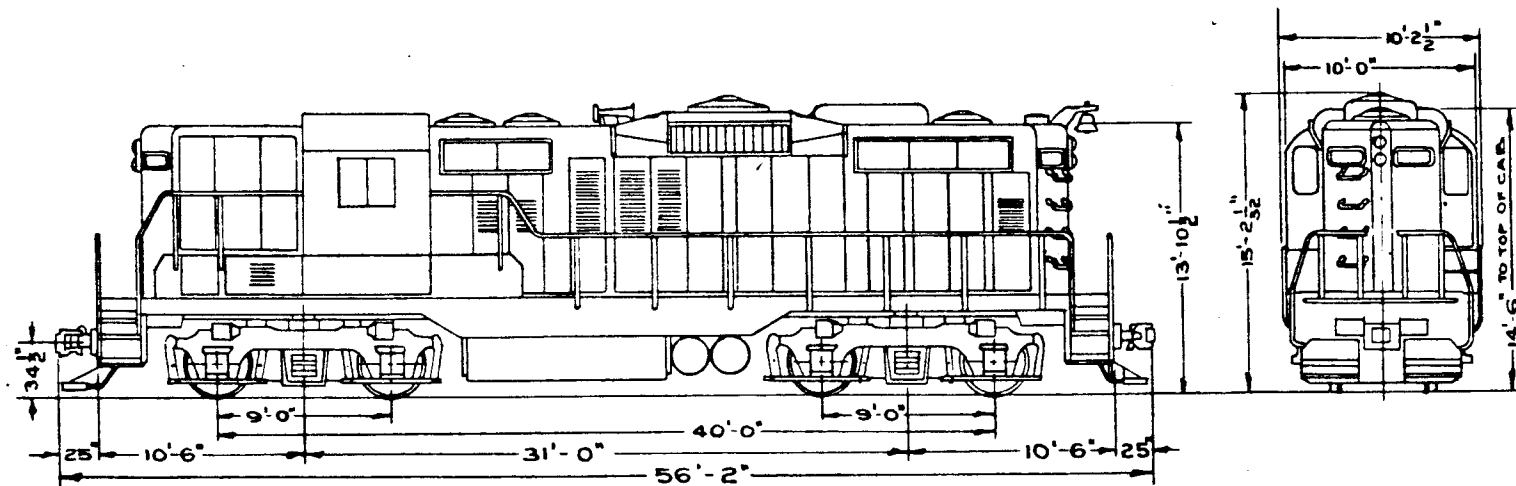
MECHANICAL DEPARTMENT

DIESEL UNIT DATA BOOK

CY. 4558
 GR-17J CLASS 4559 NUMBERS

DIESEL ENGINE: 1750 H.P.
 E.M.D. 567C V-type
 16 cylinder, 8 1/2" bore, V-type
 835 R.P.M. full speed
 275 R.P.M. Idling "

WEIGHT DISTRIBUTION		BUILDER	E.M.D.
FR. MIN	REAR MIN.	ORDER N ^o	5611
LIGHT		MODEL N ^o	GP-SR
LOADED		DATE BUILT	1957
	244,120		
			244,380



CAPACITIES	
ENG. COOLING WATER	189 IMP. GAL.
LUBRICATING OIL	166 IMP. GAL.
FUEL OIL	1080 IMP. GAL.
SAND STORAGE	18 CU. FT.
STEAM GEN. WATER	- IMP. GAL.

OPERATING FEATURES	
MAX. SPEED	65 M.P.H.
GEAR RATIO	62 x 15
T.E. STARTING	
T.E. CONTINUOUS	44,000
OPER. CURVE ALONE: 2 1/2°	COUPLED:

WHEELS: TYPE & CLASS
A-40 "C"

JOURNALS: TYPE & SIZE
Byatt 6 1/2" x 12"

TRUCKS
Swing Bolster

STEAM GENERATOR
Bone

AIR COMPRESSOR
Gardner Denver WBO

COOLING FANS
Four DELCO I-4499

AIR BRAKE
Westinghouse 24-RL

ELECTRICAL EQUIPMENT	
TRACTION MOTORS Four E.M.D. D37-B	AUXILIARY GEN: TYPE & NR Delco 18 KW D.C.
T.M. BLOWER MOTORS Four DELCO 1-435	ALTERNATOR: TYPE & NR EMD D-14
MAIN GENERATOR E.M.D. D12B	M.U. CONTROL Yes
	DYNAMIC BRAKE Yes

DEC 31 1974

Fully Automatic Transition	Four-Speed Solenoid Governor Control	Speed Recorder - Indicator	Steam Generator Remote Control Panel	Air Signal Line
Seal Beam HL with Trainline Control	Elect. Pneumatic and Auto-Sanding Feature	Combination Pilot & Footboard	Snowplow Electrical Connection	

MECHANICAL DEPARTMENT

DIESEL UNIT DATA BOOK

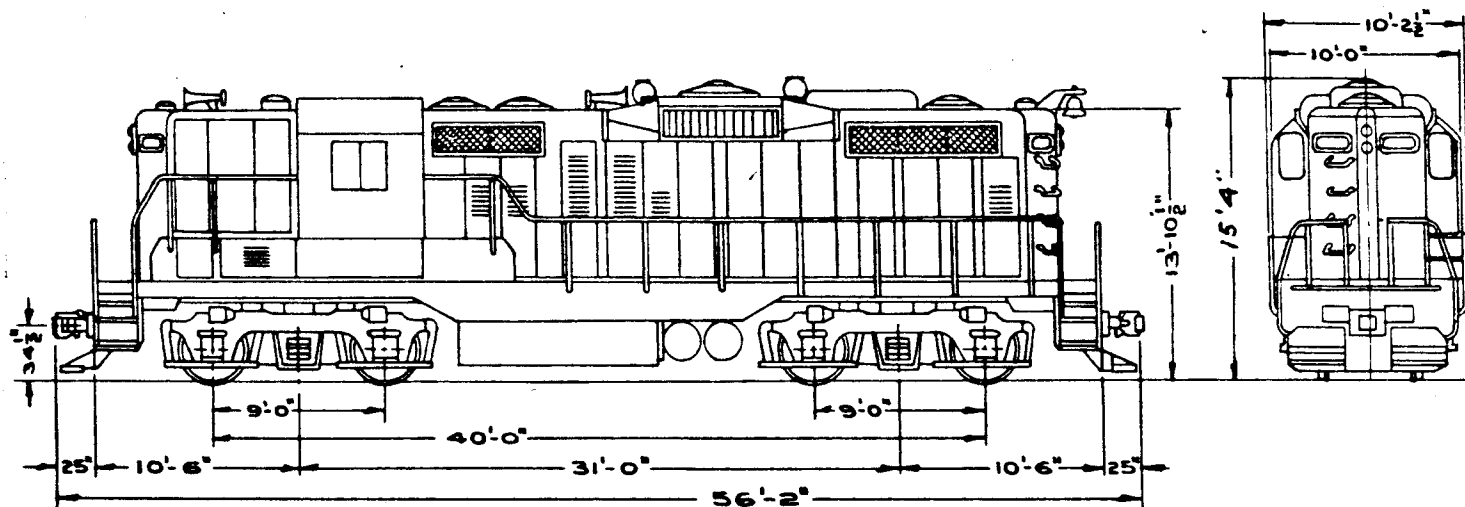
GR-17m To 4560
CLASS 4587
NUMBERS

DIESEL ENGINE: 1750 H.P.
G.M. 567C V-type
16 cylinder, 3 1/2" bore, 10" stroke
855 R.P.M. full speed
275 R.P.M. Idling "

WEIGHT		DISTRIBUTION		TOTAL
LOADED				247,000

BUILDER	G.M.
ORDER N ^o	C-234
MODEL N ^o	GP-9
DATE BUILT	1957

4567
4568
4569



RETIRED
4562
4564
4570
4582
4583

CAPACITIES		WHEELS: TYPE & CLASS	STEAM GENERATOR	ELECTRICAL EQUIPMENT	
ENG. COOLING WATER	189 IMP. GAL.	A-40 "C"	None	TRACTION MOTORS Four GM D 47B	
LUBRICATING OIL	167 IMP. GAL.	JOURNALS: TYPE & SIZE Ryatt 6 1/2" x 12"	AIR COMPRESSOR Gardner Denver W80	AUXILIARY GEN: TYPE & N ^o G.M. A-8102-A1 18 KW	
FUEL OIL	1000 IMP. GAL.			ALTERNATOR: TYPE & N ^o G.M. D-14	
SAND STORAGE	18 CU. FT.	TRUCKS Swing Bolster	COOLING FANS Four Reliance	M.U. CONTROL Yes	
STEAM GEN. WATER	- IMP. GAL.	OPERATING FEATURES	AIR BRAKE Westinghouse 24-RL	MAIN GENERATOR G.M. D-12-B	
			Air Signal Line		DYNAMIC BRAKE 700 Amp. (DISCONNECTED)
MAX. SPEED	65 M.P.H.				
GEAR RATIO	62 : 15				
T.E. STARTING					
T.E. CONTINUOUS	44,000 lbs				
OPER. CURVE ALONE: 39°	COUPLED: 21°				

DEC 31 1974

Fully Automatic Transition	Four-Speed Solenoid Governor Control	Speed Recorder - Indicator	Steam Generator Remote Control Panel	Auxiliary Generator Trainline	Experimental Steel Pilot at #1 End and Combination Pilot and Footboard at #2 End. Excluding Units 4565, 4567, 4569, 4576, 4577 and 4579
Snowplow Electrical Connection Excluding Units 4563 4572 to 4574	Seal Beam HL with Trainline Control	Elect. Pneumatic & Auto-Sanding Feature	Low M.P.H. Control Unit 4563 Only	Combination Pilot and Footboard Excluding Units 4565, 4567 4569, 4576, 4577 and 4579	

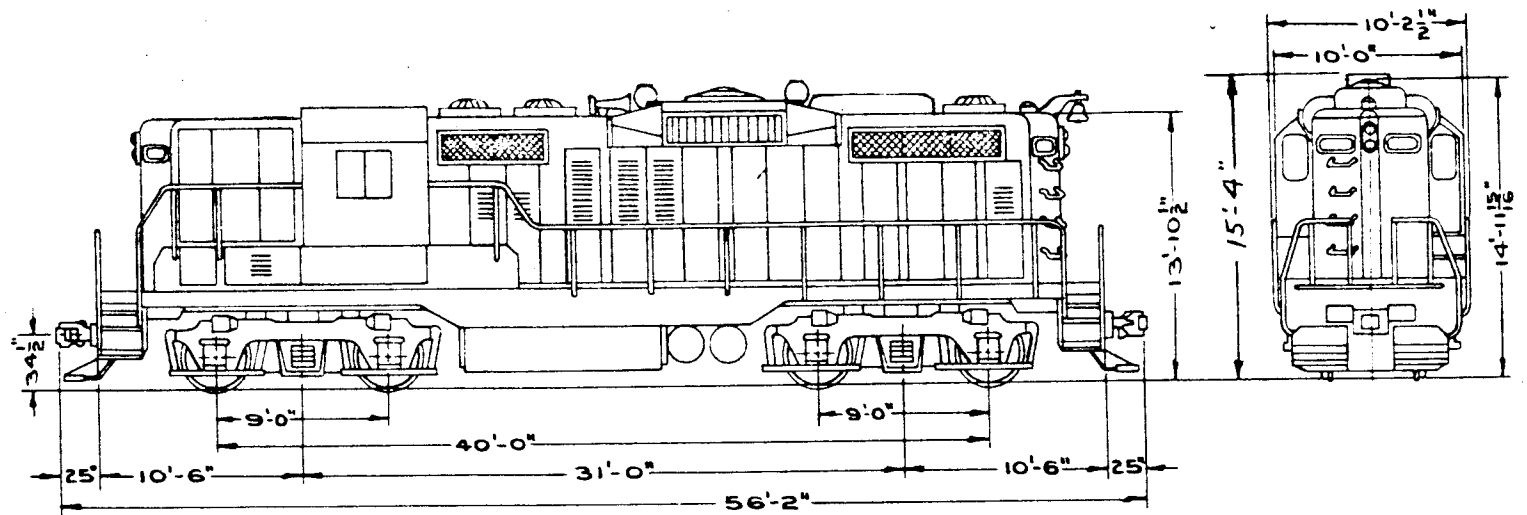
MECHANICAL DEPARTMENT

DIESEL UNIT DATA BOOK

GR-17r To 4588
CLASS NUMBERS

DIESEL ENGINE: 1750 H.P.
G.M. 567-C V-type
16 cylinder, 8 1/2" bore, 10" stroke
835 R.P.M. full speed
275 R.P.M. Idling "

WEIGHT DISTRIBUTION				BUILDER	G.M.
				ORDER N ^o	C-238
				MODEL N ^o	GP-9
LOADED			248,000	DATE BUILT	1957-8



RETIRED
4591

4591
4594
4597
4600
4601
GR 418a

CAPACITIES		WHEELS: TYPE & CLASS	STEAM GENERATOR	ELECTRICAL EQUIPMENT	
ENG. COOLING WATER	189 IMP. GAL.	A-40 "C"	None	TRACTION MOTORS	AUXILIARY GEN: TYPE & N ^o
LUBRICATING OIL	187 IMP. GAL.			Four G.M. D-47B	G.M. A-8102-A1 18 K.W.
FUEL OIL	1000 IMP. GAL.	JOURNALS: TYPE & SIZE	AIR COMPRESSOR	T.M. BLOWER MOTORS	ALTERNATOR: TYPE & N ^o
SAND STORAGE	18 CU. FT.	Ryatt 6 1/2" x 12"	Gardner Denver WBO	Four Reliance	G.M. D-14
STEAM GEN. WATER	- IMP. GAL.			MAIN GENERATOR	M.U. CONTROL
OPERATING FEATURES		TRUCKS	COOLING FANS		Yes
MAX. SPEED	65 M.P.H.	Swing Bolster	FOUR Reliance	G.M. D-12-B	DYNAMIC BRAKE
GEAR RATIO	62 : 15				700 AMP
T.E. STARTING			AIR BRAKE		Units 4597-4601 only
T.E. CONTINUOUS	44,000		Westinghouse 24-RL		
OPER. CURVE ALONE: 39°	COUPLED: 21°				

DEC 31 1974

Fully Automatic Transition	Four-Speed Solenoid Governor Control	Speed Recorder - Indicator	Steam Generator Remote Control Panel	Auxiliary Generator Trainline	Snowplow Electrical Connection. Excluding Units 4594, 4597 and 4601
Air Signal Line	Seal beam HL with Trainline Control	Elect. Pneumatic and Auto-Sanding Feature	Combination Pilot & Footboard	Low M.P.H. Control Units 4597 and 4599 Only	

MECHANICAL DEPARTMENT

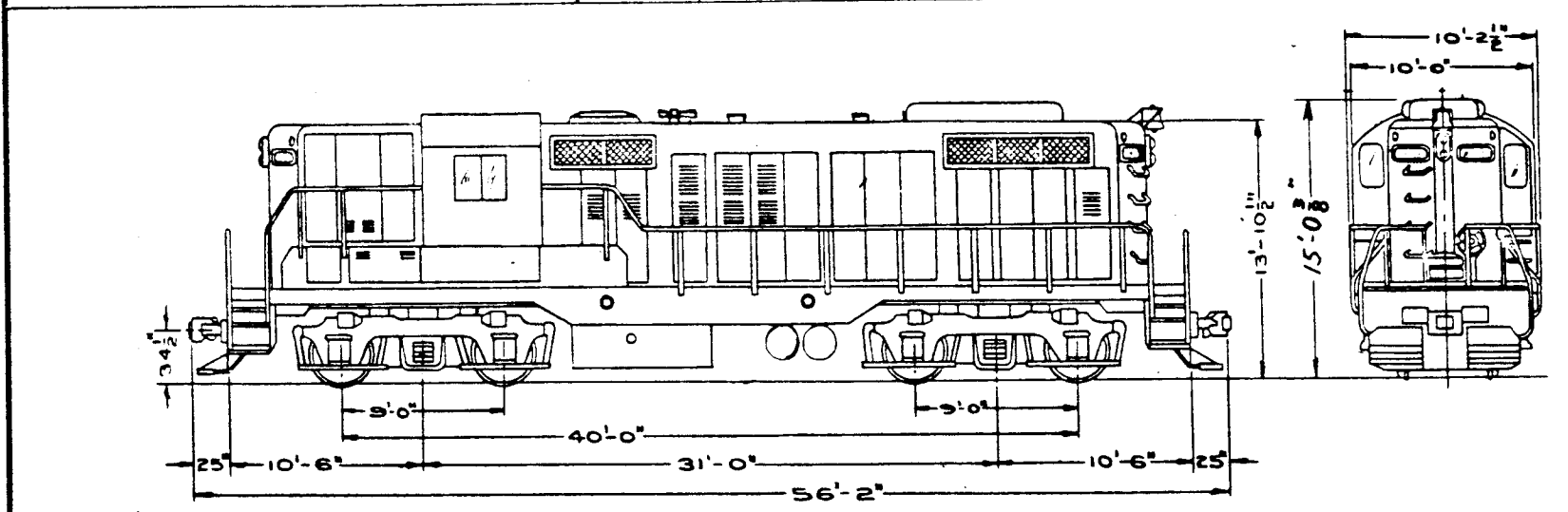
DIESEL UNIT DATA BOOK

G.T.W.
GR-18a 4700 to 4707
 CLASS NUMBERS

DIESEL ENGINE: 1800 H.P.
 E.M.D. 567-D V Type
 16 Cylinders 8½" bore 10" stroke
 835 R.P.M. Full Speed
 275 R.P.M. Idle Speed

	WEIGHT		DISTRIBUTION			
	FR. MIN	REAR MIN.	TOTAL	FR. MAX.	REAR MAX.	TOTAL
LIGHT	118020	115230	234220	119200	116380	235000
LOADED	122560	121930	245560	123740	123080	246240

BUILDER	E.M.D.
ORDER N ^o	5612
MODEL N ^o	GP-18
DATE BUILT	1960



RETIRED
 4705

CAPACITIES	
ENG. COOLING WATER	189 IMP. GAL.
LUBRICATING OIL	183 IMP. GAL.
FUEL OIL	1083 IMP. GAL.
SAND STORAGE	18 CU. FT.
STEAM GEN. WATER	- IMP. GAL.

OPERATING FEATURES	
MAX. SPEED	65 M.P.H.
GEAR RATIO	62:15
T.E. STARTING	
T.E. CONTINUOUS	44,000
OPER. CURVE ALONE: 38°	COUPLED: 21°

WHEELS: TYPE & CLASS A-40 C
JOURNALS: TYPE & SIZE Hyatt 6½" x 12"
TRUCKS Swing Bolster

STEAM GENERATOR None
AIR COMPRESSOR Gardner-Denver WBO Water Cooled
COOLING FANS Two Delco Type I-4700
AIR BRAKE Westinghouse 26-L

ELECTRICAL EQUIPMENT	
TRACTION MOTORS Four E.M.D. D-47-B3	AUXILIARY GEN: TYPE & N ^o Delco 18 KW
T.M. BLOWER MOTORS Four Delco Type I-435	ALTERNATOR: TYPE & N ^o E.M.D. D-14
MAIN GENERATOR E.M.D. D-22	M.U. CONTROL Yes
	DYNAMIC BRAKE None

DEC 31 1974

Fully Automatic Transition	Four-Speed Solenoid Governor Control	Speed Recorder - Indicator	Steam Generator Remote Control Panel	Auxiliary Generator Trainline
Seal beam HL with Trainline Control	Elect. Pneumatic and Auto-Sanding Feature	Combination Pilot and Footboard		

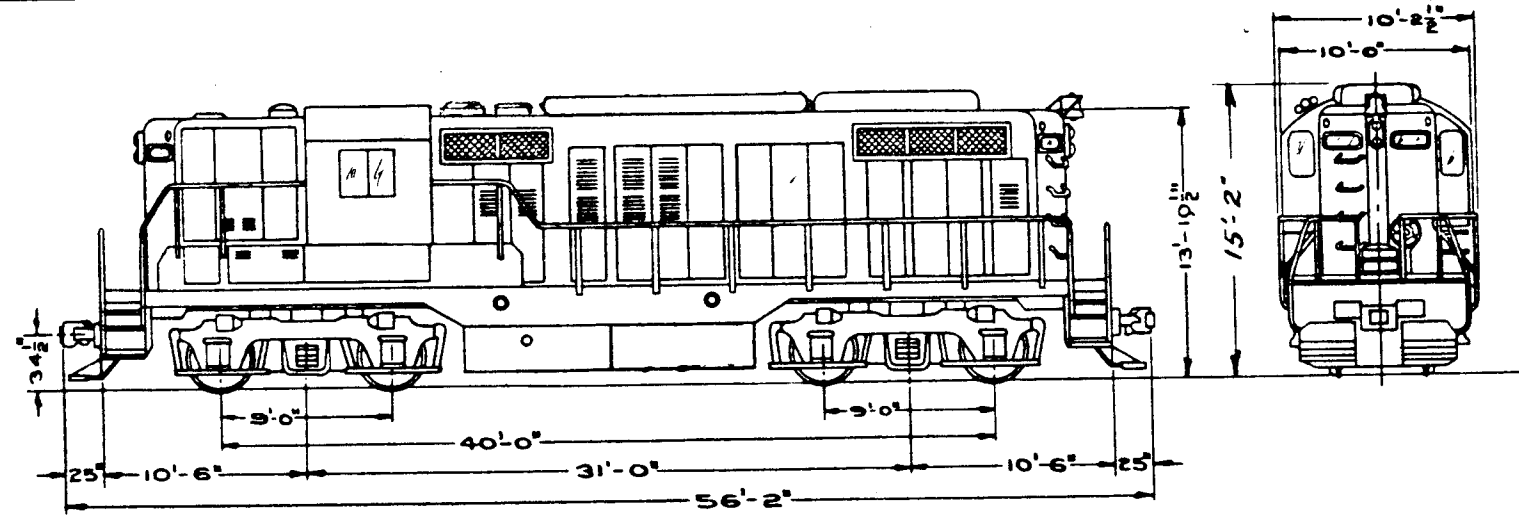
MECHANICAL DEPARTMENT

DIESEL UNIT DATA BOOK

G.W. 4900
 GRG-17c 4901
 CLASS NUMBERS

DIESEL ENGINE: 1750 H.P.
 G.M. 587C V-type
 16 cylinder, 8 1/2" bore, 10" stroke
 835 R.P.M. full speed
 275 R.P.M. Idling "

WEIGHT DISTRIBUTION						BUILDER	E.M.D.
	FR. MIN	REAR MIN.	TOTAL	FR. MAX.	REAR MAX.	ORDER N ^o	5355
LIGHT						255,000	MODEL N ^o
LOADED						254,000	DATE BUILT
							1954



CAPACITIES		WHEELS: TYPE & CLASS	STEAM GENERATOR	ELECTRICAL EQUIPMENT
ENG. COOLING WATER	189 IMP. GAL.	A-40 "C"	One Vapor OK-4625	TRACTION MOTORS E.M.D. D-37 4 Motors
LUBRICATING OIL	186 IMP. GAL.	JOURNALS: TYPE & SIZE	AIR COMPRESSOR	AUXILIARY GEN: TYPE & N ^o
FUEL OIL	916 IMP. GAL.	Hyatt 6 1/2" x 12"	Gardner Denver WKO	Deleo 18 KW 64-72 V. D.C.
SAND STORAGE	18 CU. FT.	TRUCKS	COOLING FANS	ALTERNATOR: TYPE & N ^o
STEAM GEN. WATER	916 IMP. GAL.	Swing Bolster	Four	GMD-14
OPERATING FEATURES			AIR BRAKE	M.U. CONTROL
MAX. SPEED	65 M.P.H.		Westinghouse 24 RL	Yes
GEAR RATIO	59 : 18			DYNAMIC BRAKE
T.E. STARTING				No
T.E. CONTINUOUS	56,000 lbs.			
OPER. CURVE ALONE: 59 ^o	COUPLED:			

DEC 31 1974

Fully Automatic Transition	Four-speed Solenoid Governor Control	Speed Recorder - Indicator	Steam Generator	Steam Generator Remote Control Panel	
Air Signal Line	Seal bear HL with Trainline Control	Thru Steam Trainline	Elect. Pneumatic & auto-Sanding Feature	Combination Pilot and Footboard	

MECHANICAL DEPARTMENT

DIESEL UNIT DATA BOOK

G R-17e

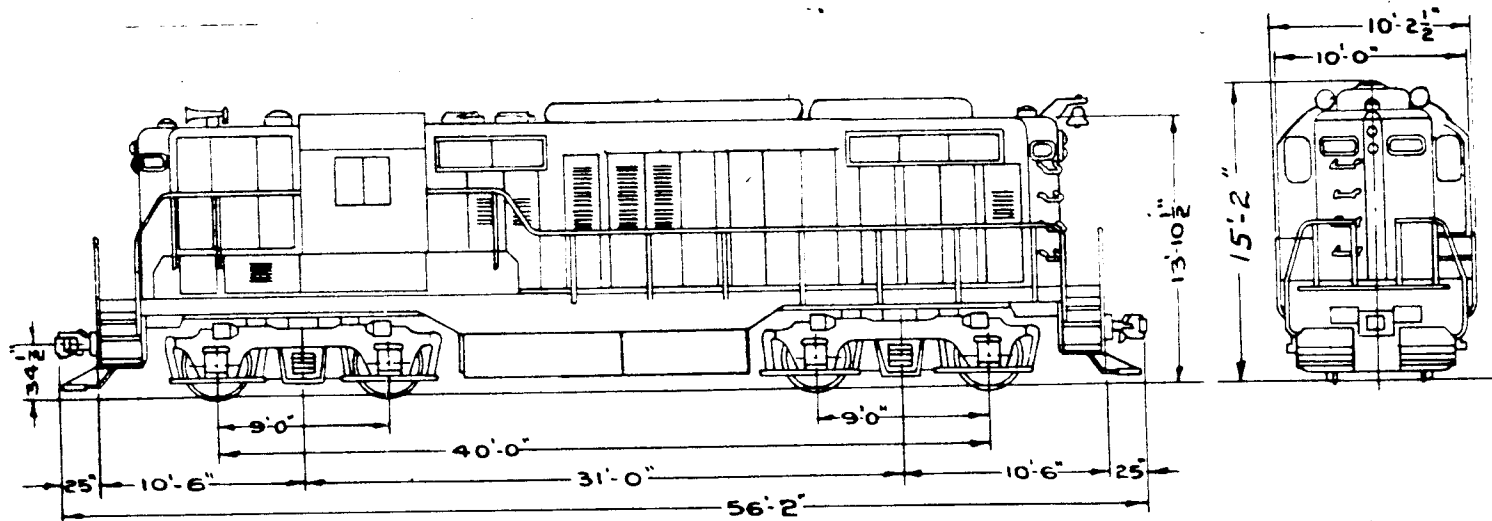
CV 4902-06

CLASS NUMBERS

DIESEL ENGINE: 1750 H.P.
E.M.D. 567C V-Type
16 cylinder, 8-1/2" Bore, 10" stroke
835 R.P.M. full speed
275 R.P.M. Idling "

WEIGHT		BUILDER	E.M.D.
TOTAL		ORDER N ^o	5444
LIGHT		MODEL N ^o	GP-SR
LOADED	239,000	DATE BUILT	1956

RETIRED



CAPACITIES		WHEELS: TYPE & CLASS	STEAM GENERATOR	ELECTRICAL EQUIPMENT
ENG. COOLING WATER	189 IMP GAL.	A-40 "C"	REMOVED One Vapor OK-4625	TRACTION MOTORS
LUBRICATING OIL	166 IMP GAL.	JOURNALS: TYPE & SIZE Hyatt 6-1/2" x 12"	AIR COMPRESSOR Gardner Denver WX0 Direct Drive	4EMD D-37-B
FUEL OIL	666 IMP GAL.			AUXILIARY GEN: TYPE & N ^o Delco 18 KW DC
SAND STORAGE	18 CU. FT.	TRUCKS Swing Bolster	COOLING FANS Four Delco	ALTERNATOR: TYPE & N ^o EMD D-14
STEAM GEN. WATER	1166 IMP GAL.			M.U. CONTROL Yes
OPERATING FEATURES			AIR BRAKE Westinghouse 24-RL	MAIN GENERATOR E.M.D. D-125
MAX. SPEED	65 MPH			DYNAMIC BRAKE No
GEAR RATIO	62 : 15			
T.E. STARTING				
T.E. CONTINUOUS	44,000 lbs.			
OPER. CURVE ALONE: 39°	COUPLED: 21°			

DEC 31 1974

Fully Automatic Transition	Four-Speed Solenoid Governor Control	Speed Recorder - Indicator	Auxiliary Generator Trainline	Air Signal Line
Seal Beam HL with Trainline Control	Elect. Pneumatic and Auto-Sanding Feature	Combination Pilot and Footboard	Snowplow Electrical Connection	

Steam Trainline not in use to be tested if required. Thru Steam Trainline Ends capped require piping inspection and application of Steam Connectors.

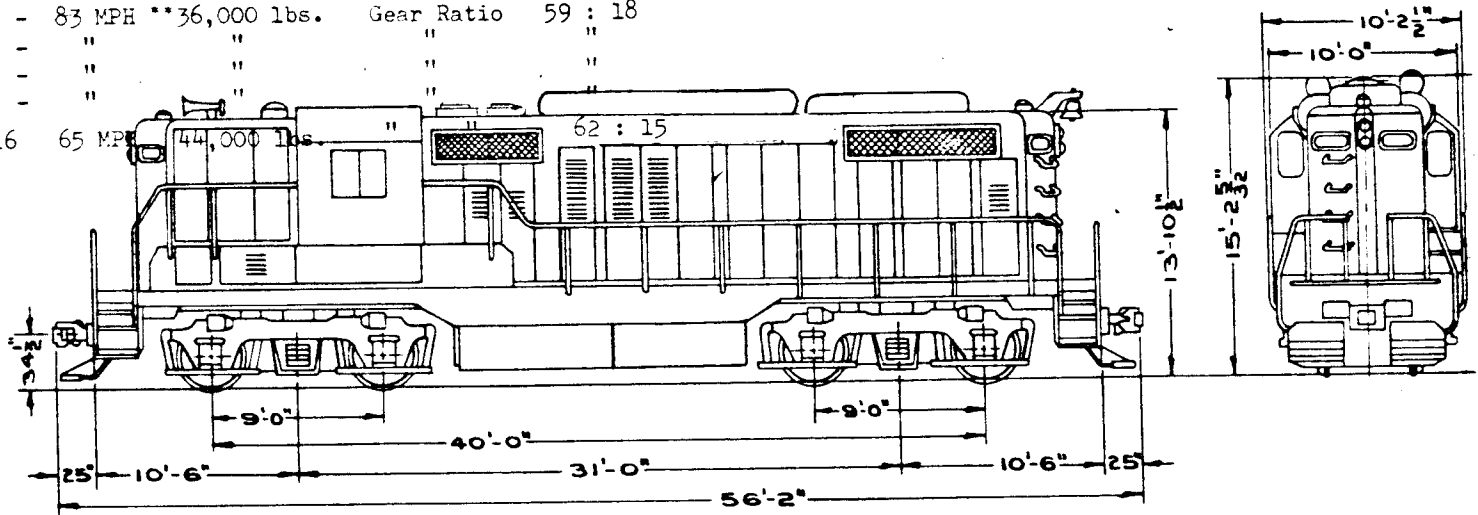
MECHANICAL DEPARTMENT

DIESEL UNIT DATA BOOK

GTW 4907
GRG-17k To 4922
CLASS NUMBERS

DIESEL ENGINE: 1750 H.P. E.M.D. 567-C V-type 16 cylinder, 8 1/2" bore, 10" stroke 836 R.P.M. full speed 275 RPM Idling "	WEIGHT DISTRIBUTION						BUILDER	E.M.D.	
		FR. MIN	REAR MIN.	TOTAL	FR. MAX.	REAR MAX.	TOTAL	ORDER N ^o	5514
	LIGHT	116,190	114,190	230,750	117,260	115,140	231,950	MODEL N ^o	GP-9
	LOADED	126,000	124,000	250,370	127,070	124,950	251,570	DATE BUILT	1957

- 4907-4910 - 83 MPH **36,000 lbs. Gear Ratio 59 : 18
- 4912-4913 - " " " " " "
- 4915 - " " " " " "
- 4917-4922 - " " " " " "
- 4914 & 4916 65 MPH 44,000 lbs. " " 62 : 15



Retired
4911

CAPACITIES		WHEELS: TYPE & CLASS	STEAM GENERATOR	ELECTRICAL EQUIPMENT	
ENG. COOLING WATER	189 IMP. GAL.	A-40 "6"	ONE Vapor OK-4625	TRACTION MOTORS	AUXILIARY GEN: TYPE & N ^o DELCO
LUBRICATING OIL	166 IMP. GAL.	JOURNALS: TYPE & SIZE Ryatt 6 1/2" x 12"	AIR COMPRESSOR Gardner Denver WBO	FOUR EMD D-37B	18 K.W. D.C.
FUEL OIL	916 IMP. GAL.			T.M. BLOWER MOTORS	ALTERNATOR: TYPE & N ^o
SAND STORAGE	18 CU. FT.	TRUCKS	COOLING FANS	Four Delco 1-455	EMD D-14
STEAM GEN. WATER	916 IMP. GAL.	Swing Bolster	FOUR DELCO 1-1787	MAIN GENERATOR	M.U. CONTROL Yes
OPERATING FEATURES			AIR BRAKE Westinghouse 24-RL	E.M.D. D-12B	DYNAMIC BRAKE No
MAX. SPEED	• M.P.H.				
GEAR RATIO	59 : 18				
T.E. STARTING					
T.E. CONTINUOUS	**				
OPER. CURVE ALONE: 39° COUPLED: 21°					

DEC 31 1974

Fully Automatic Transition	Four-Speed Solenoid Governor Control	Speed Recorder - Indicator	Steam Generator	Steam Generator Remote Control Panel
Air Signal Line	Seal beam HL with Trainline Control	Elect. Pneumatic and Auto-Sanding Feature	Combination Pilot and Footboard	Thru Steam Trainline Excluding Units 4910, 4912, 4918, 4921 and 4922

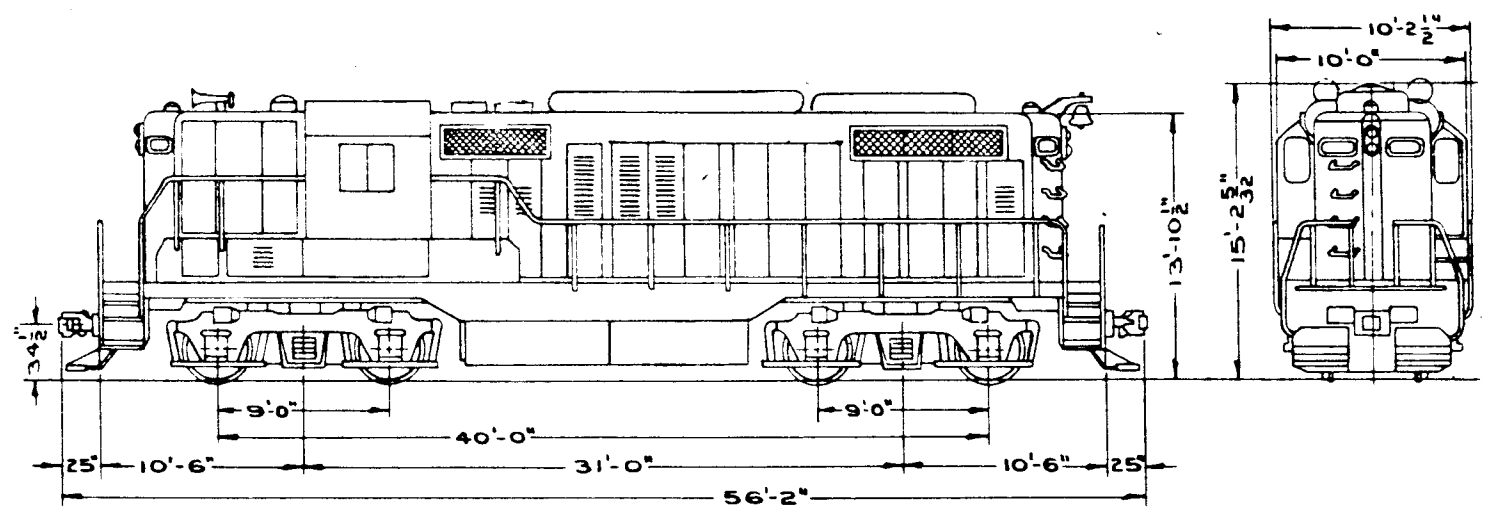
Steam Trainline not in use to be tested if required. Thru Steam Trainline Ends capped require piping inspection and application of Steam Connectors
Units 4910, 4912, 4918, 4921 and 4922 only

MECHANICAL DEPARTMENT

DIESEL UNIT DATA BOOK

CV 4923
GR -17K^{Tb} 4927
CLASS NUMBERS

DIESEL ENGINE: 1750 H.P. E.M.D. 567C V-type 16 cylinder, 8 $\frac{1}{2}$ " bore, 10" stroke, 835 R.P.M. full speed 275 R.P.M. Idling "	WEIGHT DISTRIBUTION						BUILDER	E.M.D.	
		FR. MIN	REAR MIN.	TOTAL	FR. MAX.	REAR MAX.	TOTAL	ORDER N ^o	5510
	LIGHT	116,020	114,710	231,090	116,460	115,210	231,550	MODEL N ^o	GP-9
	LOADED	126,150	124,570	251,080	126,590	125,070	251,540	DATE BUILT	1967



CAPACITIES		WHEELS: TYPE & CLASS A-40 "C"		STEAM GENERATOR ONE Vapor OK-4625 (RENDERED INOPERATIVE)	ELECTRICAL EQUIPMENT					
ENG. COOLING WATER	189 IMP. GAL.	JOURNALS: TYPE & SIZE Byatt 6 $\frac{1}{2}$ " x 12"		AIR COMPRESSOR Gardner Denver W80		TRACTION MOTORS FOUR E.M.D. D-57B	AUXILIARY GEN: TYPE & N ^o DELCO A-8102-A1 18 KW D.C.			
LUBRICATING OIL	166 IMP. GAL.					TRUCKS Swing Bolster		COOLING FANS FOUR Delco 1-1787		ALTERNATOR: TYPE & N ^o EMD D-14
FUEL OIL	958 IMP. GAL.					OPERATING FEATURES		AIR BRAKE Westinghouse 24-RL		M.U. CONTROL Yes
SAND STORAGE	18 CU. FT.									MAIN GENERATOR E.M.D. D-12B
STEAM GEN. WATER	1000 IMP. GAL.									
MAX. SPEED	55 M.P.H.									
GEAR RATIO	62 : 15									
T.E. STARTING										
T.E. CONTINUOUS	44,000 lbs.									
OPER. CURVE ALONE: 390 COUPLED: 21										

DEC 31 1974

Fully Automatic Transition	Four-Speed Solenoid Governor Control	Speed Recorder - Indicator	Steam Generator Remote Control Panel	Auxiliary Generator Trainline	Steam Trainline not in use to be tested if required. Thru Steam Trainline Ends capped require piping inspection and application of Steam Connectors
Seal beam HL with Trainline Control	Elect. Pneumatic and auto-Sanding Feature	Combination Pilot and Footboard	Air Signal Line Excluding Unit 4926	Snowplow Electrical Connection Excluding Unit 4926	

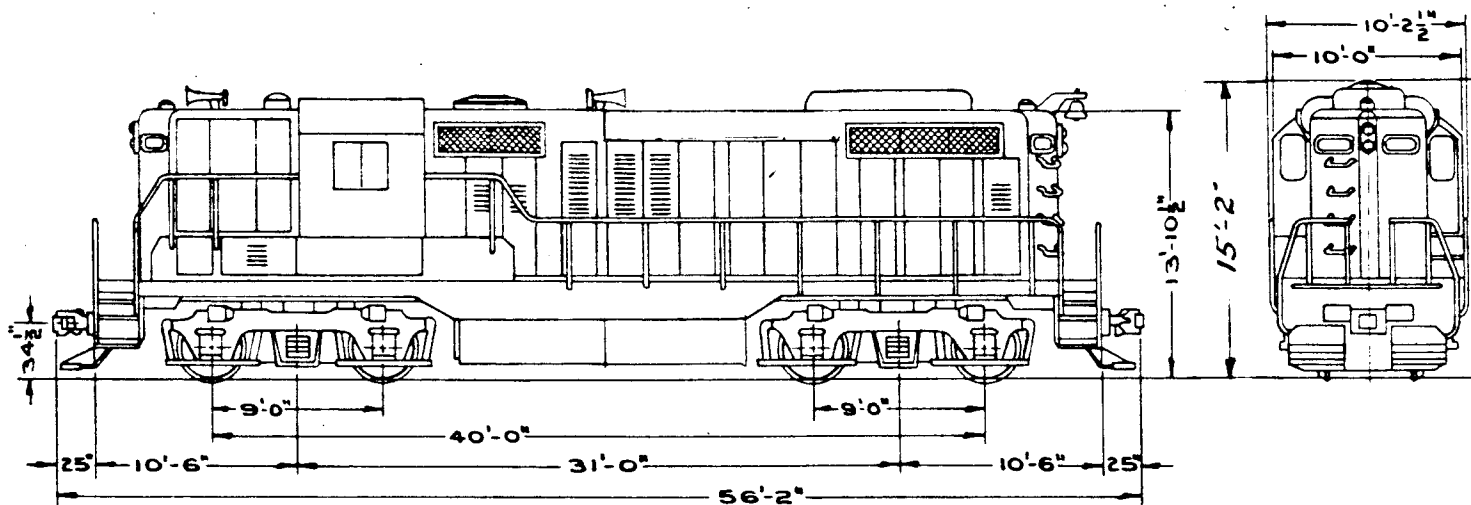
MECHANICAL DEPARTMENT

DIESEL UNIT DATA BOOK

CV 4928
GR -17s 4929
CLASS NUMBERS

DIESEL ENGINE: 1750 H.P.
E.M.D. 567-C Y-type
18 cylinder, 8 1/2" bore, 10" stroke,
835 R.P.M. full speed
275 R.P.M. Idling "

	WEIGHT			DISTRIBUTION			BUILDER	E.M.D.
	FR. MIN	REAR MIN.	TOTAL	FR. MAX	REAR MAX	TOTAL	ORDER N ^o	5558
LIGHT	116,780	114,310	231,090	116,870	114,660	231,530	MODEL N ^o	GP-9 R
LOADED	128,910	124,170	251,080	127,000	124,520	251,520	DATE BUILT	1957



Retired
4929

CAPACITIES		WHEELS: TYPE & CLASS		STEAM GENERATOR	ELECTRICAL EQUIPMENT	
ENG. COOLING WATER	189 IMP. GAL.	A-40	"C"	One Vapor OK-4625 (RENDERED INOPERATIVE)	TRACTION MOTORS	AUXILIARY GEN: TYPE & N ^o
LUBRICATING OIL	166 IMP. GAL.	JOURNALS: TYPE & SIZE		AIR COMPRESSOR	Four E.M.D. D-47	Delco A-8102-A1 16 K.W. D.C.
FUEL OIL	958 IMP. GAL.	Ryatt 6 1/2" x 12"		Gardner Denver WBO	T.M. BLOWER MOTORS	ALTERNATOR: TYPE & N ^o
SAND STORAGE	18 CU. FT.	TRUCKS		COOLING FANS	Four Delco 435	EMD D-14
STEAM GEN. WATER	1000 IMP. GAL.	Swing Bolster		TWO Delco 1-4700	MAIN GENERATOR	M.U. CONTROL
OPERATING FEATURES				AIR BRAKE	E.M.D. D-12B	Yes
MAX. SPEED	65 M.P.H.			Westinghouse 24 RL		DYNAMIC BRAKE
GEAR RATIO	62 : 15					No
T.E. STARTING						
T.E. CONTINUOUS	14,000 lbs.					
OPER. CURVE ALONE: 30°	COUPLED: 21°					

DEC 31 1974

Fully Automatic Transition	Four-Speed Solenoid Governor Control	Speed Recorder - Indicator	Steam Generator Remote Control Panel	Auxiliary Generator Trainline	Steam Trainline not in use to be tested if required. Thru steam Trainline ends capped require piping inspection and application of Steam.
Air Signal Line	Seal Beam HL with Trainline	Elect. Pneumatic and Auto-sanding Feature	Combination Pilot & Footboard		

MECHANICAL DEPARTMENT

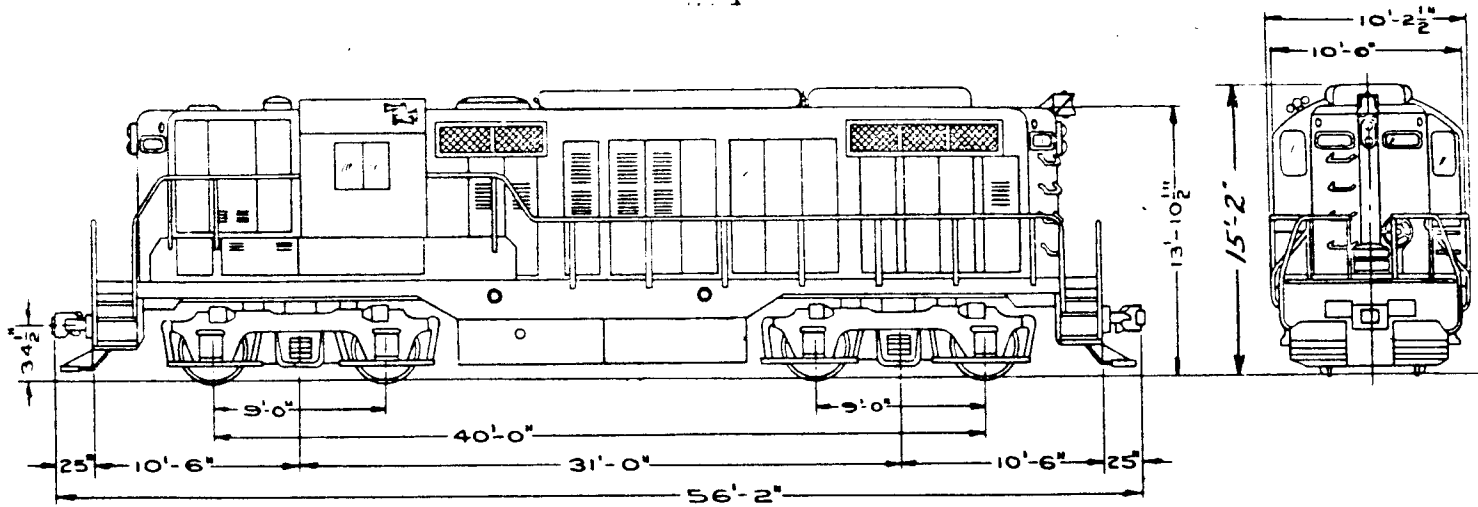
DIESEL UNIT DATA BOOK

G.W. 4930-
 CLASS GRG-17w 4933
 NUMBERS

DIESEL ENGINE: 1750 H.P.
 E.M.D. 567C V-type
 16 cylinder, 9 1/2" bore, 10" stroke,
 835 R.P.M. full speed
 275 R.P.M. Idling "

	WEIGHT DISTRIBUTION					
	FR. MIN	REAR MIN.	TOTAL	FR. MAX.	REAR MAX.	TOTAL
LIGHT	114,860	113,840	228,760	115,780	116,670	232,330
LOADED	115,500	115,000	230,500	125,640	126,800	252,320

BUILDER	E.M.D.
ORDER N ^o	5585
MODEL N ^o	GP-9
DATE BUILT	1958



CAPACITIES	
ENG. COOLING WATER	169 IMP. GAL.
LUBRICATING OIL	166 IMP. GAL.
FUEL OIL	958 IMP. GAL.
SAND STORAGE	18 CU. FT.
STEAM GEN. WATER	997 IMP. GAL.

OPERATING FEATURES	
MAX. SPEED	65 MPH
GEAR RATIO	59 : 18
T.E. STARTING	
T.E. CONTINUOUS	44,000 lbs
OPER. CURVE ALONE: 59°	COUPLED: 21°

WHEELS: TYPE & CLASS
A-40 "C"

JOURNALS: TYPE & SIZE
Byatt 6 1/2" x 12"

TRUCKS
Swing Bolster

STEAM GENERATOR
One Vapor OK-4625

AIR COMPRESSOR
Gardner Denver T80

COOLING FANS
TWO Delco I-4700

AIR BRAKE
Westinghouse 26-L

ELECTRICAL EQUIPMENT	
TRACTION MOTORS Four E.M.D. D-47	AUXILIARY GEN: TYPE & N ^o Delco 18 K.W.
T.M. BLOWER MOTORS Four Delco I-435	ALTERNATOR: TYPE & N ^o EMD D-14
MAIN GENERATOR E.M.D. D-12B	M.U. CONTROL Yes
	DYNAMIC BRAKE No

DEC 31 1974

Fully Automatic Transition	Four-Speed Solenoid Governor Control	Speed Recorder - Indicator	Steam Generator	Steam Generator Remote Control Panel
Air Signal Line	Seal Beam HL with Trainline Control	Thru Steam Trainline	Elect. Pneumatic and auto-Sanding Feature	Combination Pilot and Footboard

MECHANICAL DEPARTMENT

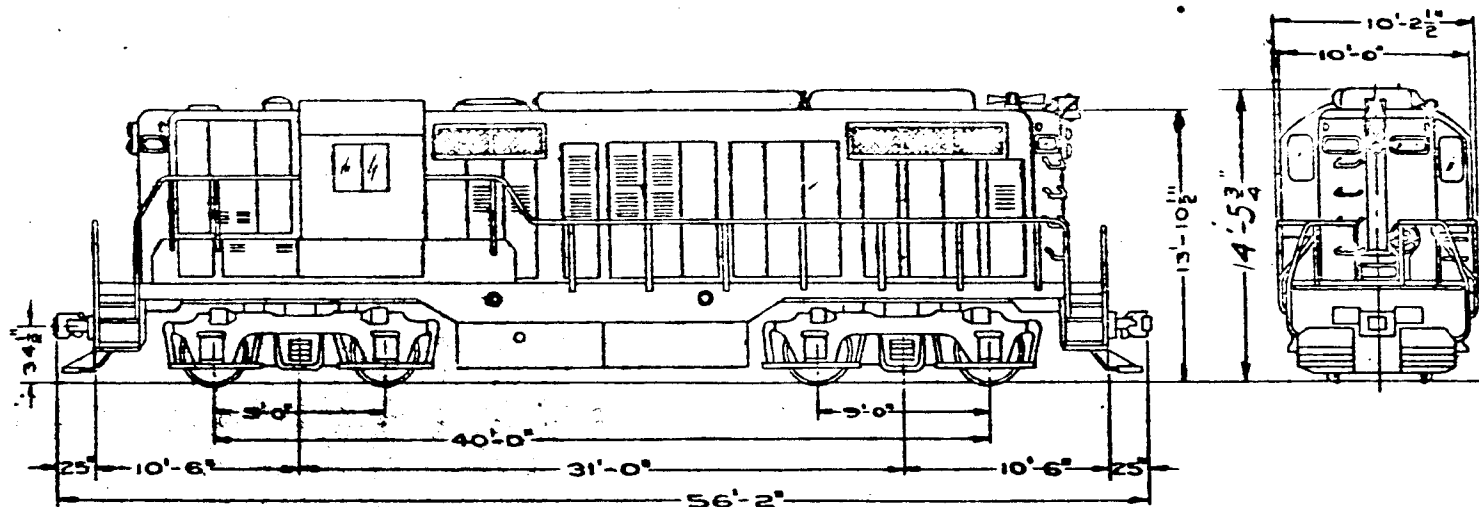
DIESEL UNIT DATA BOOK

G.T.W.
GRG-18b 4950-4952
 CLASS NUMBER 5

DIESEL ENGINE: 1800 H.P.
 E.M.D. 567-D V Type
 16 cylinders 8 1/2" bore 10" stroke
 835 R.P.M. Full Speed
 275 R.P.M. Idle Speed

	WEIGHT		DISTRIBUTION			
	FR. MIN	REAR MIN.	TOTAL	FR. MAX.	REAR MAX.	TOTAL
LIGHT	116810	115940	232770	116950	116120	233070
LOADED	126930	126020	252970	127070	126200	253270

BUILDER	E.M.D.
ORDER N ^o	5613
MODEL N ^o	GP-18
DATE BUILT	1960



Retired
 4951

CAPACITIES	
ENG. COOLING WATER	189 IMP. GAL.
LUBRICATING OIL	183 IMP. GAL.
FUEL OIL	958 IMP. GAL.
SAND STORAGE	18 CU. FT.
STEAM GEN. WATER	1000 IMP. GAL.
OPERATING FEATURES	
MAX. SPEED	83 M.P.H.
GEAR RATIO	59:18
T.E. STARTING	
T.E. CONTINUOUS	36,000 lbs
OPER. CURVE ALONE: 38°	COUPLED: 27°

WHEELS: TYPE & CLASS
A-40 C
JOURNALS: TYPE & SIZE
Ryatt 6 1/2" x 12"
TRUCKS
Swing Bolster

STEAM GENERATOR
One Vapor OK - 2750
AIR COMPRESSOR
Gardner Denver Water Cooled COOLING FANS
Two Delco Type I-4700
AIR BRAKE
Westinghouse 26-L

ELECTRICAL EQUIPMENT	
TRACTION MOTORS Four E.M.D. D-47-B3	AUXILIARY GEN: TYPE & NR Delco 18 KW
T.M. BLOWER MOTORS Four Delco I-435	ALTERNATOR: TYPE & NR E.M.D. D-11
MAIN GENERATOR E.M.D. D-22	M.U. CONTROL Yes
	DYNAMIC BRAKE None

DEC 31 1974

Fully Automatic Transition	Four-Speed Solenoid Governor Control	Speed Recorder - Indicator	Steam Generator	Steam Generator Remote Control Panel
Air signal Line	Seal Lean HL with Trainline Control	Thru Steam Trainline	Elect. Pneumatic and Auto-Sanding Feature	Combination Pilot and Footboard

MECHANICAL DEPARTMENT

DIESEL UNIT DATA BOOK

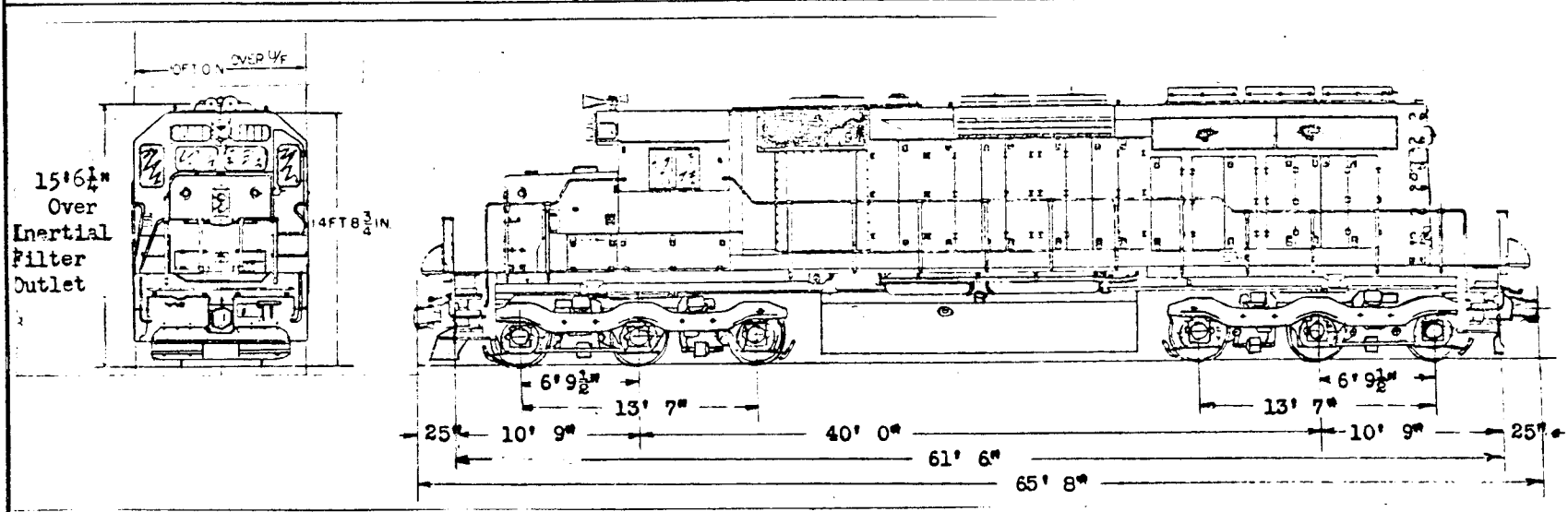
GF 30c

5000-5007

CLASS NUMBERS

DIESEL ENGINE: 3000 H.P.
 G.M.16-645 E3, 2 Cycle
 9 1/16" Bore, 10" Stroke
 900 R.P.M. Full Speed
 315 R.P.M. Idle Speed

WEIGHT	BUILDER	G.M.
	ORDER N ^o	C-322
LIGHT	MODEL N ^o	SD-40
LOADED	DATE BUILT	1967



RETIRED

CAPACITIES	
ENG. COOLING WATER	200 IMP. GAL.
LUBRICATING OIL	202 IMP. GAL.
FUEL OIL	3340 IMP. GAL.
SAND STORAGE	56 CU. FT.
STEAM GEN. WATER	IMP. GAL.

OPERATING FEATURES	
MAX. SPEED	65 MPH
GEAR RATIO	62:15
T.E. STARTING	
T.E. CONTINUOUS	74,000 lbs.
OPER. CURVE ALONE: 30 ^o	COUPLED: 17 ^o

WHEELS: TYPE & CLASS
D-40 "CR"

JOURNALS: TYPE & SIZE
Hyatt 6 1/2" x 12"

TRUCKS
3 Axle 3 Motor Flexicoil

STEAM GENERATOR
None

AIR COMPRESSOR

COOLING FANS
Three - 48"

AIR BRAKE
Westinghouse 26L Unitized

ELECTRICAL EQUIPMENT	
TRACTION MOTORS	AUXILIARY GEN: TYPE & NR
Six G.M.D-77	G.M. A-8102-A3
T.M. BLOWER MOTORS	ALTERNATOR: TYPE & NR
One Mechanical Drive	G.M. D-14
MAIN GENERATOR	M.U. CONTROL
GM AR10-D-14	Yes
	DYNAMIC BRAKE
	Yes
	STANDARD RANGE (*)

DEC 31 1974

Pacesetter	Fully Automatic Transition	Four-Speed Solenoid Governor Control	Speed Indicator	Steam Generator Remote Control Panel
Auxiliary Generator Trainline	Air Signal Line	Seal Beam HL with Trainline Control	Elect.Pneumatic and Auto-Sanding Feature	Automatic Locomotive Testing

(*) 5004 to 5007 have Vapor Digital Speed Log and Vapor Pace Setter Control
 Snowplow Pilot #1 End. - No Footboards #2 End.

MECHANICAL DEPARTMENT

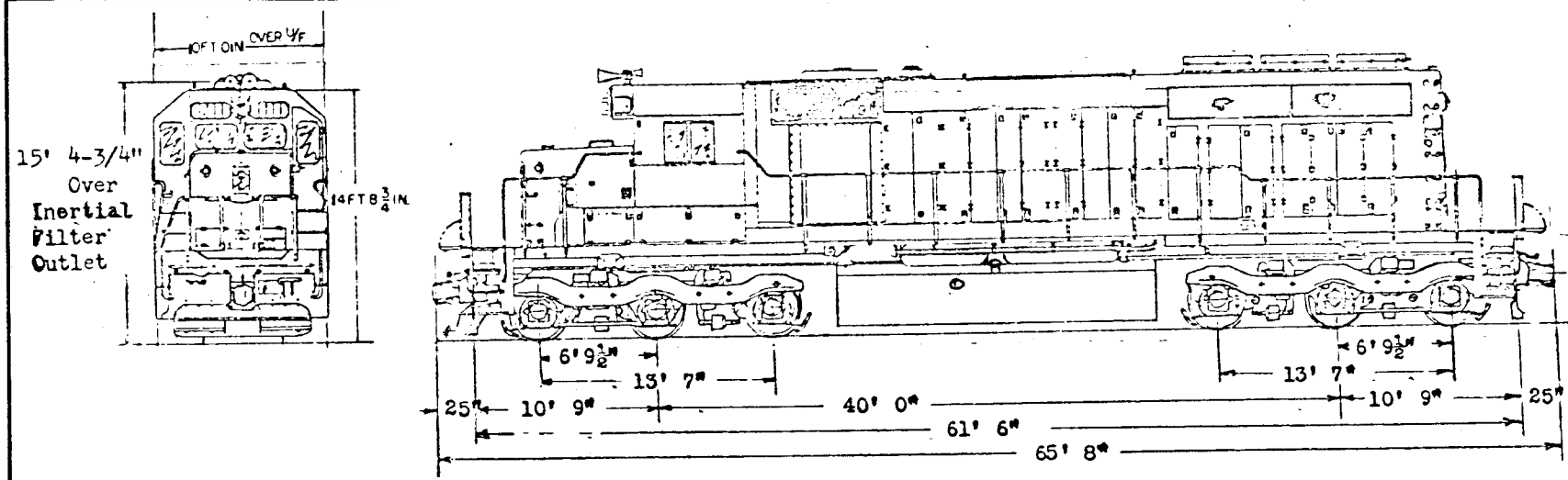
DIESEL UNIT DATA BOOK **GF 30 d**

5008 - 5075

CLASS NUMBERS

DIESEL ENGINE: 3000 H.P.
G.M.16-645 E3, 2 Cycle
9-1/16" Bore, 10" Stroke
900 R.P.M. Full Speed

WEIGHT	TOTAL	BUILDER	G.M.
		ORDER N ^o	324 & 325
LIGHT		MODEL N ^o	SD-40
LOADED	388,000	DATE BUILT	1967-68



RETIRED
5011

CAPACITIES		WHEELS: TYPE & CLASS	STEAM GENERATOR	ELECTRICAL EQUIPMENT	
ENG. COOLING WATER	200 IMP. GAL.	D-40 "CR"	None	TRACTION MOTORS	AUXILIARY GEN: TYPE & N ^o
LUBRICATING OIL	202 IMP. GAL.	JOURNALS: TYPE & SIZE	AIR COMPRESSOR	Six - G.M. D-77	G.M.A-8102-A3
FUEL OIL	3340 IMP. GAL.	Hyatt 6 1/2" x 12"	Gardner Denver WBO-8024	T.M. BLOWER MOTORS	ALTERNATOR: TYPE & N ^o
SAND STORAGE	56 CU. FT.	TRUCKS	COOLING FANS	One - Mechanical Drive	G.M. D-14
STEAM GEN. WATER	IMP. GAL.	3 Axle 3 Motor Flexicoil	AIR BRAKE	MAIN GENERATOR	M.U. CONTROL
OPERATING FEATURES		Air Signal Line	Westinghouse 26L Unitized	G.M. AR 10-D 14	DYNAMIC BRAKE
MAX. SPEED	65 M.P.H.				No
GEAR RATIO	62:15				
T.E. STARTING					
T.E. CONTINUOUS	74,000 lbs.				
OPER. CURVE ALONE: 300	COUPLED: 170				

DEC 31 1974

Fully Automatic Transition	Four-Speed Solenoid Governor Control	Speed Indicator	Steam Generator Remote Control Panel	Wraparound Pilot at #1 End Units 5008 to 5010, 5013 to 5017, 5019 to 5021, 5024 and 5025 Only.	Equipped with Combination Pilot & Footboard at #2 End & Wraparound Pilot at #1 End.
Auxiliary Generator Trainline	Seal Beam HL with Trainline Control	Elect. Pneumatic & Auto-Sanding Feature	Automotive Locomotive Testing	Snowplow Pilot at #1 End. Comb. Pilot & Footboard at #2 End. Unit 5074 only..	Excluding Units 5008 to 5010, 5013 to 5017, 5019 to 5021, 5024, 5025 and 5074.

MECHANICAL DEPARTMENT

DIESEL UNIT DATA BOOK

GF 30 e

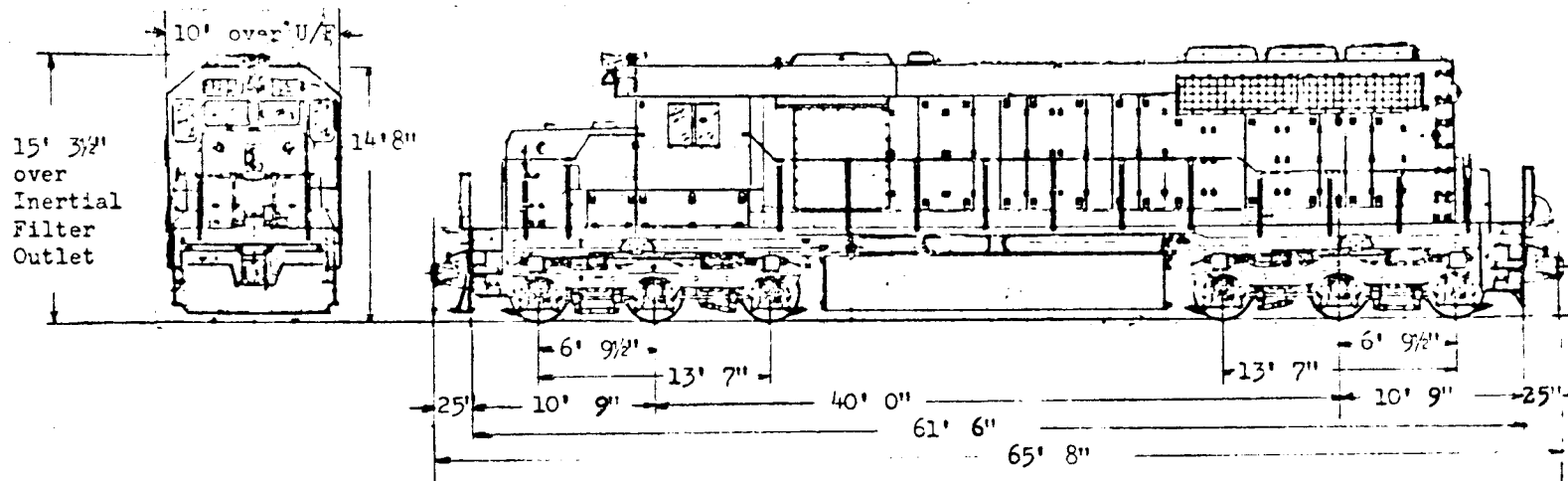
5076-5087

CLASS NUMBERS

DIESEL ENGINE: 3000 H.P.
EMD 16-645 E3, 2 cycle
9-1/16" bore, 10" stroke
900 P.P.M. full speed

WEIGHT	BUILDER	G.M.
TOTAL	ORDER N°	C-328
LIGHT	MODEL N°	SD-40
LOADED	DATE BUILT	1969

RETIRED



CAPACITIES		WHEELS: TYPE & CLASS	STEAM GENERATOR	ELECTRICAL EQUIPMENT	
ENG. COOLING WATER	245 IMP. GAL.	D-40 "CR"	None	TRACTION MOTORS	AUXILIARY GEN: TYPE & N°
LUBRICATING OIL	202 IMP. GAL.	JOURNALS: TYPE & SIZE	AIR COMPRESSOR	Six-GM D-77-B	Delco A-8102-A3
FUEL OIL	3340 IMP. GAL.	Hyatt 6 1/2" x 12"	Gardner Denver WB0-8024	T.M. BLOWER MOTORS	ALTERNATOR: TYPE & N°
SAND STORAGE	56 CU. FT.	TRUCKS	COOLING FANS	One - Mechanical Drive	EMD D-14
STEAM GEN. WATER	- IMP. GAL.	3 Axle 3 Motor - Flexicoil	AIR BRAKE	MAIN GENERATOR	M.U. CONTROL
OPERATING FEATURES		5076-5080 have Lo Mounted Brake Rigging	Westinghouse 26L Unitized	EMD AR 10 A1	DYNAMIC BRAKE
MAX. SPEED	65 M.P.H.	5081-5087 have Frame Mounted Brake Rigging			NO
GEAR RATIO	62:15				
T.E. STARTING					
T.E. CONTINUOUS	74,000				
OPER. CURVE ALONE: 30°	COUPLED: 17°				

Fully Automatic Transition	Four-Speed Solenoid Governor Control	Speed Indicator	Air Signal Line	Seal Beam HL with Trainline Control	Steam Generator Remote Control Panel
Elect.Pneumatic & Auto-Sanding Feature	Automatic Locomotive Testing	Snowplow Pilot #1 End No Footboards #2 End			Auxiliary Generator Trainline

DEC 31 1974

MECHANICAL DEPARTMENT

DIESEL UNIT DATA BOOK **GF 30 e** **5088-5125**

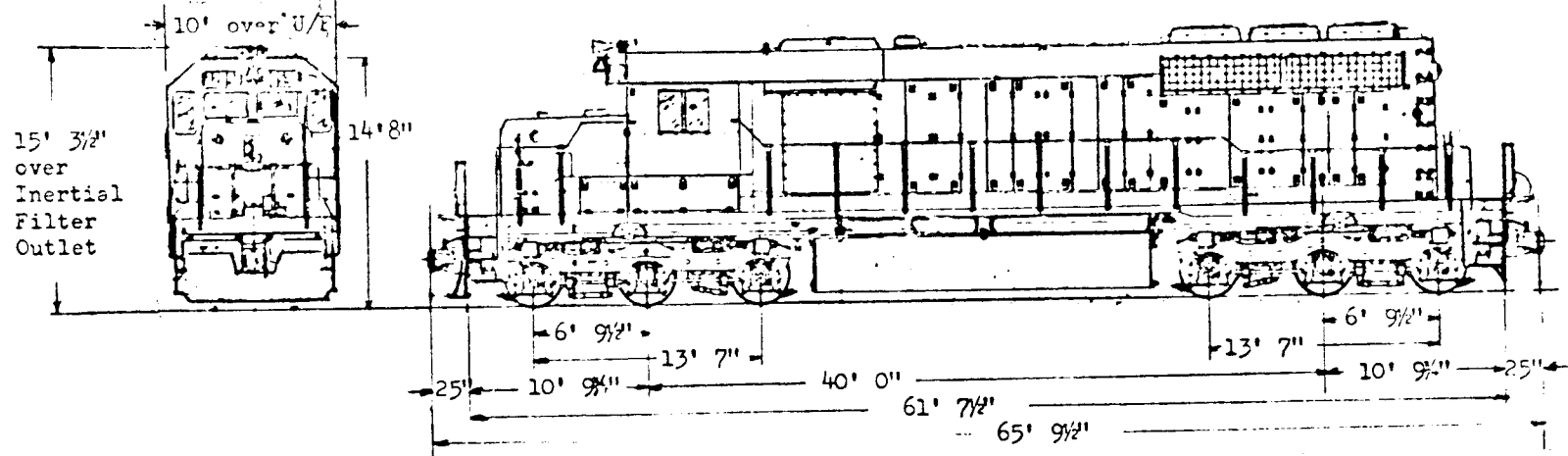
CLASS NUMBERS

DIESEL ENGINE: 3000 H.P.
EMD 16-645 E3, 2 cycle
9-1/16" bore, 10" stroke
900 R.P.M. full speed

(*) Units 3111 to 5125 have Extended Range
Dynamic Brakes and Vapor Digital Speed
Log

WEIGHT		BUILDER	G.M.
	TOTAL	ORDER N ^o	C-330
LIGHT		MODEL N ^o	SD-40
LOADED	389,000	DATE BUILT	1969

RETIRED



CAPACITIES		WHEELS: TYPE & CLASS		STEAM GENERATOR		ELECTRICAL EQUIPMENT					
ENG. COOLING WATER	245 IMP. GAL.	D-40	"CR"	None		TRACTION MOTORS					
LUBRICATING OIL	202 IMP. GAL.	JOURNALS: TYPE & SIZE		AIR COMPRESSOR		Six - GM D-77-B					
FUEL OIL	3340 IMP. GAL.					AUXILIARY GEN: TYPE & N ^o					
SAND STORAGE	56 CU. FT.	Hyatt 6 1/2" x 12"		Gardner Denver WB0-8024		ALTERNATOR: TYPE & N ^o					
STEAM GEN. WATER	- IMP. GAL.	TRUCKS		COOLING FANS		T.M. BLOWER MOTORS					
OPERATING FEATURES						3 Axle 3 Motor Flexicoil		One - Mechanical Drive		M.U. CONTROL	
MAX. SPEED	65 M.P.H.	OPER. CURVE ALONE: 300 COUPLED: 170		AIR BRAKE		MAIN GENERATOR					
GEAR RATIO	62:15					Three - 48"		EMD AR 10 A1		DYNAMIC BRAKE	
T.E. STARTING						Westinghouse 26L Unitized				NO - 5088 - 5110	
T.E. CONTINUOUS	74,000									YES - 5111 - 5125 (*)	

Fully Automatic Transition	Four-Speed Solenoid Governor Control	Speed Indicator	Air Signal Line	Seal Beam HL with Trainline Control	Steam Generator Remote Control Panel Units 5088 to 5110 Only.
Elect. Pneumatic & Auto. Sanding Feature	Automatic Locomotive Testing	Snowplow Pilot #1 End - No Footboards #2 End	Pacesetter Units 5111 to 5125 Only		Auxiliary Generator Trainline Units 5088 to 5110 Only

DEC 31 1974

MECHANICAL DEPARTMENT

DIESEL UNIT DATA BOOK

GF 30h

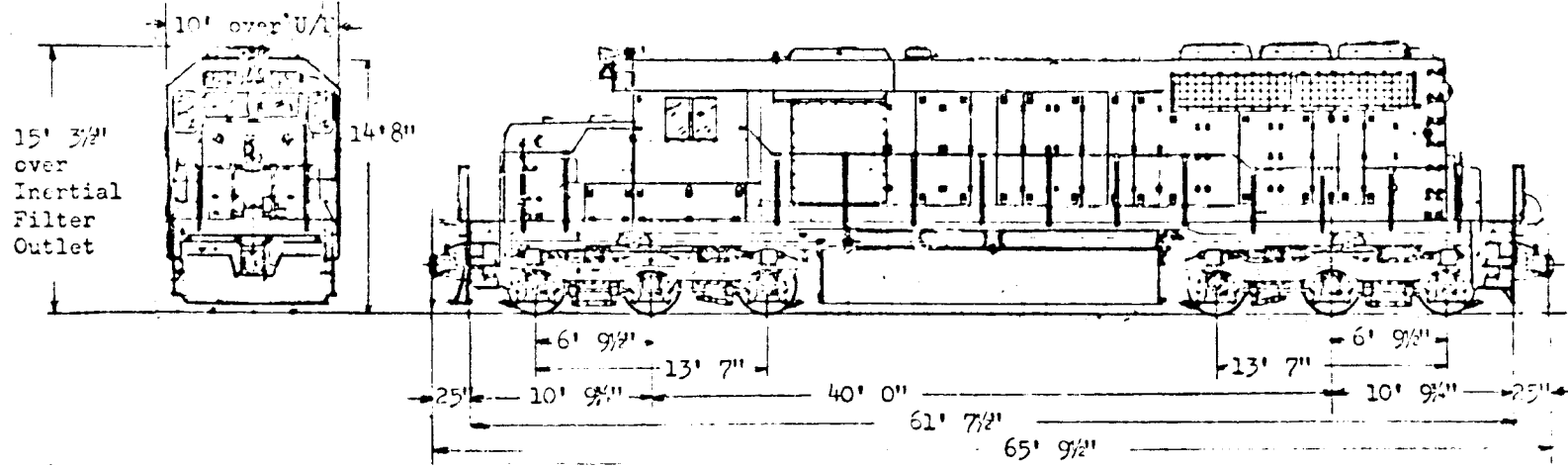
5126-5175

CLASS NUMBERS

DIESEL ENGINE: 3000 H.P.
EMD 16-645 E3, 2 cycle
9-1/16" bore, 10" stroke
900 R.P.M. full speed

(*) 5126 (1969) - 5127-5159 (1970) -
5160-517 (1971)
(**) 5126-5132 have Extended Range Dynamic
Brakes & Vapor Digital Speed Log

WEIGHT	BUILDER	G.M.
	ORDER N ^o	C-333
LIGHT	MODEL N ^o	SD-40
LOADED	DATE BUILT	(*)
TOTAL		388,000



RETIRED
5140
5151

CAPACITIES		WHEELS: TYPE & CLASS	STEAM GENERATOR	ELECTRICAL EQUIPMENT	
ENG. COOLING WATER	245 IMP. GAL.	D-40 "CR"	None	TRACTION MOTORS	AUXILIARY GEN: TYPE & N ^o
LUBRICATING OIL	202 IMP. GAL.	JOURNALS: TYPE & SIZE	AIR COMPRESSOR	Six - GM D-77-B	Delco A-8102-A3
FUEL OIL	3340 IMP. GAL.	Hyatt 6 1/2" x 12"	Gardner Denver WBO-8024	T.M. BLOWER MOTORS	ALTERNATOR: TYPE & N ^o
SAND STORAGE	56 CU. FT.	TRUCKS	COOLING FANS	One - Mechanical Drive	EMD D-14
STEAM GEN. WATER	- IMP. GAL.	3 Axle 3 Motor Flexicoil	Three - 48"	MAIN GENERATOR	M.U. CONTROL
OPERATING FEATURES			AIR BRAKE	EMD AR 10 A1	Yes
MAX. SPEED	65 M.P.H.		Westinghouse 26L Unitized		DYNAMIC BRAKE
GEAR RATIO	62:15				Yes 5126 - 5132 (**) No 5133 - 5175
T.E. STARTING					
T.E. CONTINUOUS	74,000				
OPER. CURVE ALONE: 300	COUPLED: 170				

DEC 31 1974

Fully Automatic Transition	Four-Speed Solenoid Governor Control	Speed Indicator	Air Signal Line	Seal Beam HL with Trainline Control
Elect. Pneumatic & Auto-Sanding Feature	Automatic Locomotive Testing	Snowplow Pilot #1 End No Footboards #2 End	Pacesetter Units 5126 to 5132 Only	Auxiliary Generator Trainline Excluding Units 5126 to 5130

MECHANICAL DEPARTMENT

DIESEL UNIT DATA BOOK

G F 30k

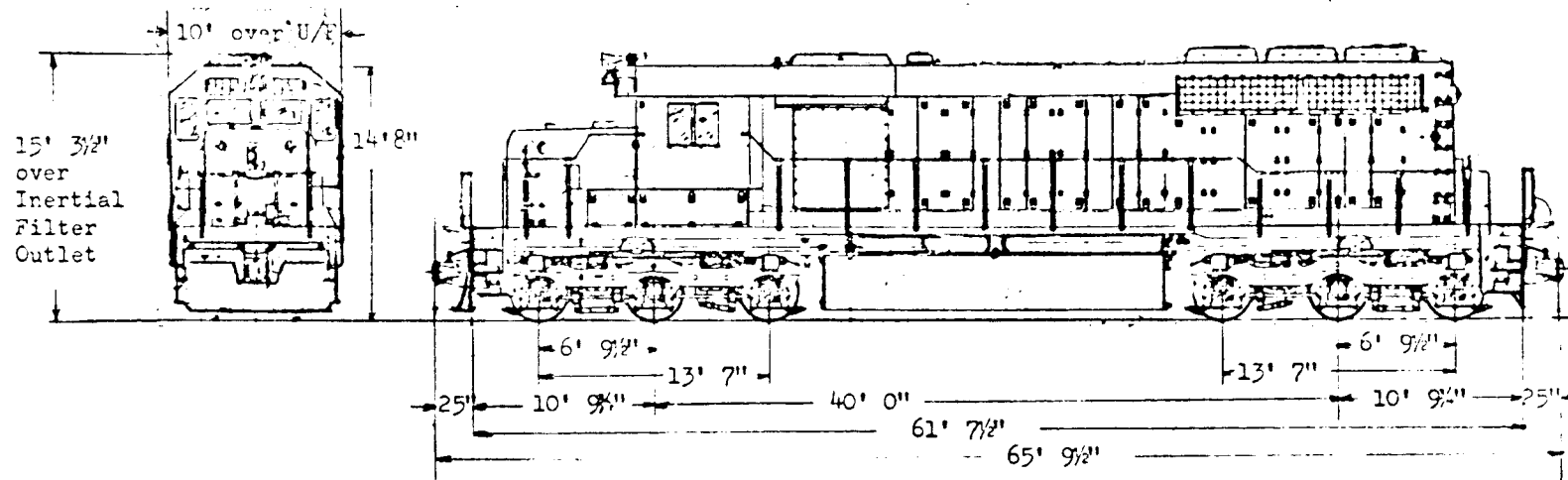
5176-5225

CLASS NUMBERS

DIESEL ENGINE: 3000 H.P.
EMD 16-645 E3, 2 cycle
9-1/16" bore, 10" stroke
900 R.P.M. full speed

WEIGHT		BUILDER	G.M.
TOTAL		ORDER N ^o	C-338
LIGHT		MODEL N ^o	SD-40
LOADED	388,000	DATE BUILT	1971

RETIRED



CAPACITIES		WHEELS: TYPE & CLASS	STEAM GENERATOR	ELECTRICAL EQUIPMENT
ENG. COOLING WATER	245 IMP. GAL.	D-40 "CR"	None	TRACTION MOTORS
LUBRICATING OIL	202 IMP. GAL.	JOURNALS: TYPE & SIZE	AIR COMPRESSOR	AUXILIARY GEN: TYPE & N ^o
FUEL OIL	3340 IMP. GAL.	Hyatt 6 1/2" x 12"	Gardner Denver WB0-8024	Six - GM D-77-B
SAND STORAGE	56 CU. FT.	TRUCKS	COOLING FANS	T.M. BLOWER MOTORS
STEAM GEN. WATER	- IMP. GAL.	3 Axle 3 Motor Flexicoil	Three - 48"	One - Mechanical Drive
OPERATING FEATURES			AIR BRAKE	MAIN GENERATOR
MAX. SPEED	65 M.P.H.		Westinghouse 26L Unitized	EMD AR 10 A1
GEAR RATIO	62:15			
T.E. STARTING				
T.E. CONTINUOUS	74,000			
OPER. CURVE ALONE: 30 ^o	COUPLED: 17 ^o			
				M.U. CONTROL
				Yes
				DYNAMIC BRAKE
				No

DEC 31 1974

Fully Automatic Transition	Four-Speed Solenoid Governor Control	Speed Indicator	Air Signal Line	Seal Beam HL with Trainline Control
Elect. Pneumatic & Auto-Sanding Feature	Wraparound Pilot at #1 End	Snowplow Pilot #1 End. No Footboards #2 End.		Automatic Locomotive Testing

MECHANICAL DEPARTMENT

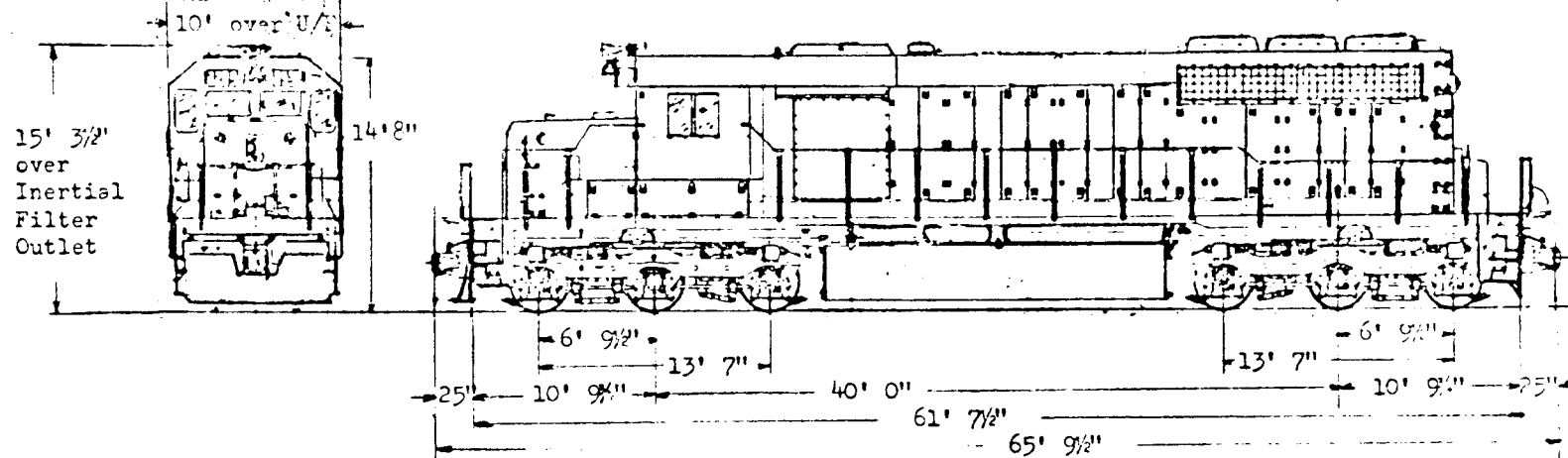
DIESEL UNIT DATA BOOK **GF 30 m** **5226-5240**

CLASS NUMBERS

DIESEL ENGINE : 3000 H.P.
EMD 16-645 E3, 2 cycle
9-1/16" bore, 10" stroke
900 R.P.M. full speed

WEIGHT	BUILDER	G.M.
	ORDER N ^o	C-345
LIGHT	MODEL N ^o	SD-40
LOADED	DATE BUILT	1971

RETIRED



CAPACITIES		WHEELS : TYPE & CLASS	STEAM GENERATOR	ELECTRICAL EQUIPMENT		
ENG. COOLING WATER	245 IMP. GAL.	D-40 "CR"	None	TRACTION MOTORS	AUXILIARY GEN: TYPE & N ^o	
LUBRICATING OIL	202 IMP. GAL.	JOURNALS: TYPE & SIZE Hyatt 6 1/2" x 12"	AIR COMPRESSOR Gardner Denver WB0-8024	Six - GM D-77-B	Delco A-8102-A3	
FUEL OIL	3340 IMP. GAL.			ALTERNATOR: TYPE & N ^o		
SAND STORAGE	56 CU. FT.	TRUCKS 3 Axle 3 Motor Flexicoil	COOLING FANS Three - 48"	T.M. BLOWER MOTORS	EMD D-14	
STEAM GEN. WATER	- IMP. GAL.			AIR BRAKE	One - Mechanical Drive	M.U. CONTROL Yes
OPERATING FEATURES			Westinghouse 26L Unitized	MAIN GENERATOR	DYNAMIC BRAKE No	
MAX. SPEED	65 M.P.H.			EMD AR 10 A1		
GEAR RATIO	62:15					
T.E. STARTING						
T.E. CONTINUOUS	74,000					
OPER. CURVE ALONE:	30 ^o					
	COUPLED: 17 ^o					

Fully Automatic Transition	Four-Speed Solenoid Governor Control	Speed Indicator	Air Signal Line	Seal Beam HL with Trainline Control
Elect. Pneumatic and Auto-Sanding Feature	Automatic Locomotive Testing	Snowplow Pilot #1 End. No Footboards #2 End.		

DEC 31 1974

MECHANICAL DEPARTMENT

DIESEL UNIT DATA BOOK

GR-20b

5500 TO 5536
& 5560*

CLASS

NUMBERS

DIESEL ENGINE: 2000 H.P.
GMD 16-645E 2 Cycle
9-1/16" Bore, 10" Stroke
315 R.P.M. Idle Speed
900 R.P.M. Full Speed

NOTE: UNITS 5537 TO 5559 MODIFIED
TO GR-20b CLASS, NOS. 200
TO 226 FOR NEW HUMP SERVICE.
1978/79.

WEIGHT

TOTAL

LIGHT

LOADED

257,000

BUILDER

ORDER N°

MODEL N°

DATE BUILT

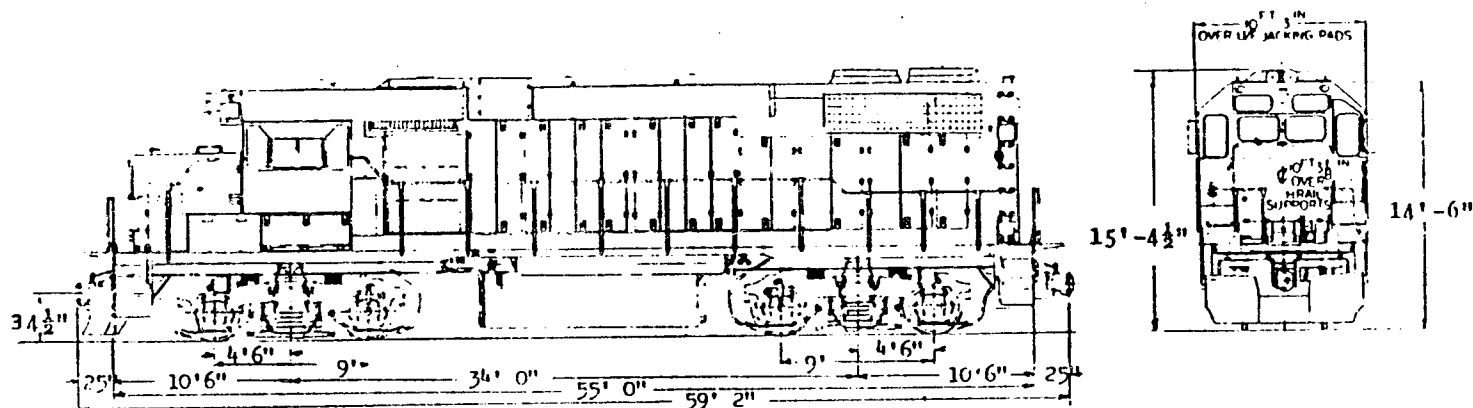
G.N.

C-350

GP-38-2

1972-73

RETIRED



*UNIT 5560 WITH CN DESIGN
CAB SIMILAR TO GR-20c

CAPACITIES		WHEELS: TYPE & CLASS	STEAM GENERATOR	ELECTRICAL EQUIPMENT	
ENG. COOLING WATER	200 IMP. GAL.	D-40 "CR"	No	TRACTION MOTORS	AUXILIARY GEN: TYPE & N°
LUBRICATING OIL	202.5 IMP. GAL.	JOURNALS: TYPE & SIZE	AIR COMPRESSOR	FOUR - GM D-77-B	Delco A 8102-A3
FUEL OIL	2160 IMP. GAL.	Hyatt 6 1/2" x 12"	Gardner Denver WDO-8101	T.M. BLOWER MOTORS	ALTERNATOR: TYPE & N°
SAND STORAGE	56 CU. FT.	TRUCKS	COOLING FANS	One - Mechanical Drive	GM D-14
STEAM GEN. WATER	- IMP. GAL.	Swing Bolster	AIR BRAKE	MAIN GENERATOR	M.W. CONTROL
OPERATING FEATURES			Two - 48"	GM AR-10	Yes
MAX. SPEED	65 MPH		Westinghouse 26 LUM		DYNAMIC BRAKE
GEAR RATIO	62 : 15				No
T.E. STARTING					
T.E. CONTINUOUS	49,000 lbs.				
OPER. CURVE ALONE: 42°	COUPLED: 24°				

DECEMBER 1979

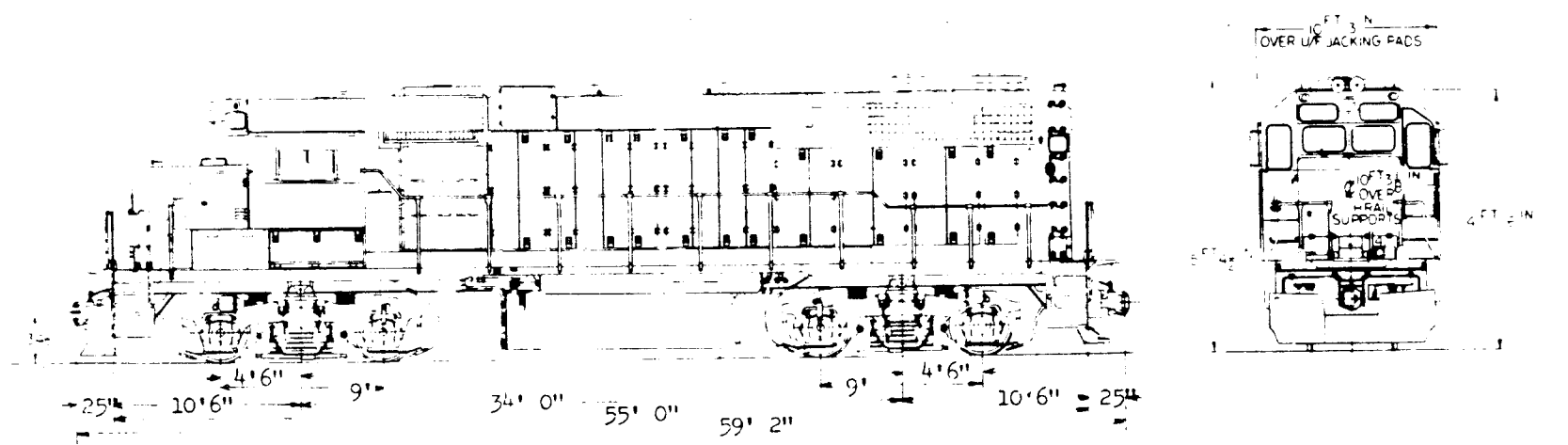
	Four-Speed Solenoid Governor Control	Speed Indicator	Steam Generator Remote Control Panel Excludes Unit 5560	Auxiliary Generator Trainline Excludes Unit 5560	Snowplow Pilot #1 End. No foot-board or pilot #2 end.
Seal Beam III with Trainline Control	Elect. Pneumatic & Auto. Sanding Feature	Automatic Locomotive Testing	Incinolet		

MECHANICAL DEPARTMENT

DIESEL UNIT DATA BOOK

GR-20-b 5500-5560
CLASS NUMBERS

DIESEL ENGINE: 2000 H.P. GMD 16-645E 2 Cycle 9-1/16" Bore, 10" Stroke 315 R.P.M. Idle Speed 900 R.P.M. Full Speed	WEIGHT DISTRIBUTION						BUILDER	G.M.
		FR. MIN	REAR MIN.	TOTAL	FR. MAX.	REAR MAX.	ORDER N ^o	C-350
	LIGHT						MODEL N ^o	GF 32-2
	LOADED					257,000	DATE BUILT	1972-73



CAPACITIES		WHEELS: TYPE & CLASS	STEAM GENERATOR	ELECTRICAL EQUIPMENT	
ENG. COOLING WATER	200 IMP. GAL.	D-40 "CR"	No	TRACTION MOTORS	AUXILIARY GEN: TYPE & N ^o
LUBRICATING OIL	202.5 IMP. GAL.			Four - GM D-77-B	Delco A 8102-A3
FUEL OIL	2160 IMP. GAL.	JOURNALS: TYPE & SIZE	AIR COMPRESSOR		ALTERNATOR: TYPE & N ^o
SAND STORAGE	56 CU. FT.	Hyatt 6 1/2" x 12"	Gardner Denver WBC-8101	T.M. BLOWER MOTORS	GM D-14
STEAM GEN. WATER	- IMP. GAL.			One - Mechanical Drive	M.U. CONTROL
OPERATING FEATURES		TRUCKS	COOLING FANS		Yes
MAX. SPEED	65 M.P.H.	Swing Bolster	Two - 48"	MAIN GENERATOR	DYNAMIC BRAKE
GEAR RATIO	62 : 15			GM AR-10	No
T.E. STARTING			AIR BRAKE		
T.E. CONTINUOUS	49,000 lbs		Westinghouse 26 LUM.		
OPER. CURVE ALONE: 42°	COUPLED: 24°				

DEC 31 1974

Fully Automatic Transition	Four-Speed Solenoid Governor Control	Speed Indicator	Steam Generator Remote Control Panel Excludes Unit 5560	Auxiliary Generator Trainline Excludes Unit 5560
Seal beam HL with Trainline Control	Elect. Pneumatic & auto-sanding Feature	Automatic Locomotive Testing	Snowplow Pilot #1 End. No footboards #2 End.	Air Signal Line

MECHANICAL DEPARTMENT

DIESEL UNIT DATA BOOK

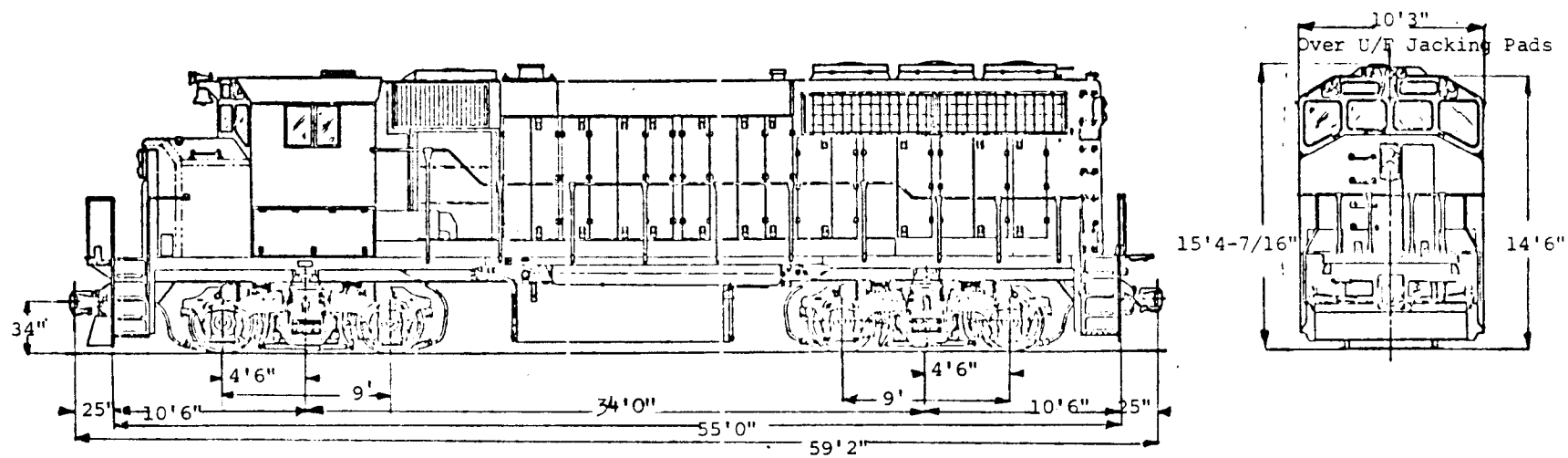
GR-20c
CLASS

5561-5610
NUMBERS

DIESEL ENGINE: 2000 HP
GM 16-645E 2 cycle
9-1/16" Bore, 10" stroke
315 RPM Idle Speed
900 RPM Full Speed

WEIGHT		DISTRIBUTION				
	FR. MIN	REAR MIN.	TOTAL	FR. MAX.	REAR MAX.	TOTAL
LIGHT						
LOADED						257,000

BUILDER	GM
ORDER N ^o	C-360
MODEL N ^o	GP38-2
DATE BUILT	1973/74



CAPACITIES		
ENG. COOLING WATER	200	IMP. GAL.
LUBRICATING OIL	202.5	IMP. GAL.
FUEL OIL	2160	IMP. GAL.
SAND STORAGE	56	CU. FT.
STEAM GEN. WATER	--	IMP. GAL.

WHEELS: TYPE & CLASS	D - 40 "CR"
JOURNALS: TYPE & SIZE	HYATT 6 1/2" x 12
TRUCKS	SWING BOLSTER

STEAM GENERATOR	NO
AIR COMPRESSOR	GARDNER DENVER WBO - 8101
COOLING FANS	TWO 48"
AIR BRAKE	WESTINGHOUSE 26 LUM

ELECTRICAL EQUIPMENT	
TRACTION MOTORS	FOUR GMD77B
AUXILIARY GEN: TYPE & N ^o	18KW A 8102A3
T.M. BLOWER MOTORS	ONE MECHANICAL DRIVE
ALTERNATOR: TYPE & N ^o	GM D14
MAIN GENERATOR	GMAR10E1
M.U. CONTROL	YES
DYNAMIC BRAKE	NO

OPERATING FEATURES		
MAX. SPEED	65	M.P.H.
GEAR RATIO	62:15	
T.E. STARTING		
T.E. CONTINUOUS	49,000	lbs.
OPER. CURVE ALONE: 42°	COUPLED: 24°	

Fully Automatic Transition	Four-Speed Solenoid Governor Control	Speed Indicator	Seal Beam HL with Trainline Control	Elect. Pneumatic and Auto-Sanding Feature
Automatic Locomotive Testing	Snowplow Pilot #1 end No footboards #2 end	Straight Air (Snowplow Service)		

DEC 31 1974

MECHANICAL DEPARTMENT

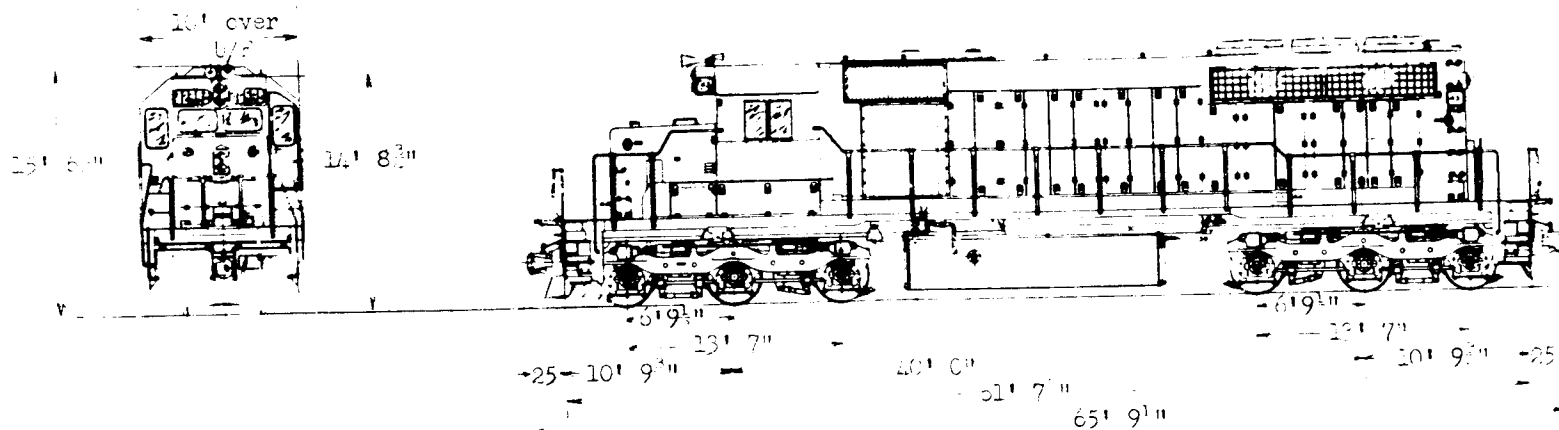
DIESEL UNIT DATA BOOK GF-30f

GTW
5900-5911
CLASS NUMBERS

DIESEL ENGINE: 3000 H.P.
EMD 16-645, E3, 2 cycle
9-1/16" bore, 10" stroke
900 R.P.M. full speed

WEIGHT	BUILDER	E.M.D.
	ORDER N ^o	7186
LIGHT	MODEL N ^o	SD-40
LOADED	DATE BUILT	1969

RETIRED



CAPACITIES		WHEELS: TYPE & CLASS	STEAM GENERATOR	ELECTRICAL EQUIPMENT	
ENG. COOLING WATER	254 IMP. GAL.	D-40 CR	None	TRACTION MOTORS	AUXILIARY GEN: TYPE & N ^o
LUBRICATING OIL	243 IMP. GAL.	JOURNALS: TYPE & SIZE Hyatt 6 1/2" x 12"	AIR COMPRESSOR Gardner-Denver WBO	Six - D-77-DC	Delco A-8102-A3
FUEL OIL	3200 IMP. GAL.			ALTERNATOR: TYPE & N ^o	
SAND STORAGE	56 CU. FT.	TRUCKS 3 Axle 3 Motor Flexicoil	COOLING FANS Three - 48"	T.M. BLOWER MOTORS	E.M.D. D-14
STEAM GEN. WATER	- IMP. GAL.			AIR BRAKE	One - Mechanical Drive
OPERATING FEATURES			Westinghouse 26LU	MAIN GENERATOR	DYNAMIC BRAKE
MAX. SPEED	65 MPH			E.M.D. AR-10 A1	No
GEAR RATIO	62:15				
T.E. STARTING					
T.E. CONTINUOUS	70,000				
OPER. CURVE ALONE:	300	COUPLED:	170		

Fully Automatic Transition	Four-Speed Solenoid Governor Control	Speed Recorder - Indicator	Air Signal Line	Seal Beam HL with Trainline Control
Elect. Pneumatic & Auto-Sanding Feature	Automatic Locomotive Testing	Wraparound Pilot at #1 End		

DEC 31 1974

MECHANICAL DEPARTMENT

DIESEL UNIT DATA BOOK

GF-30g

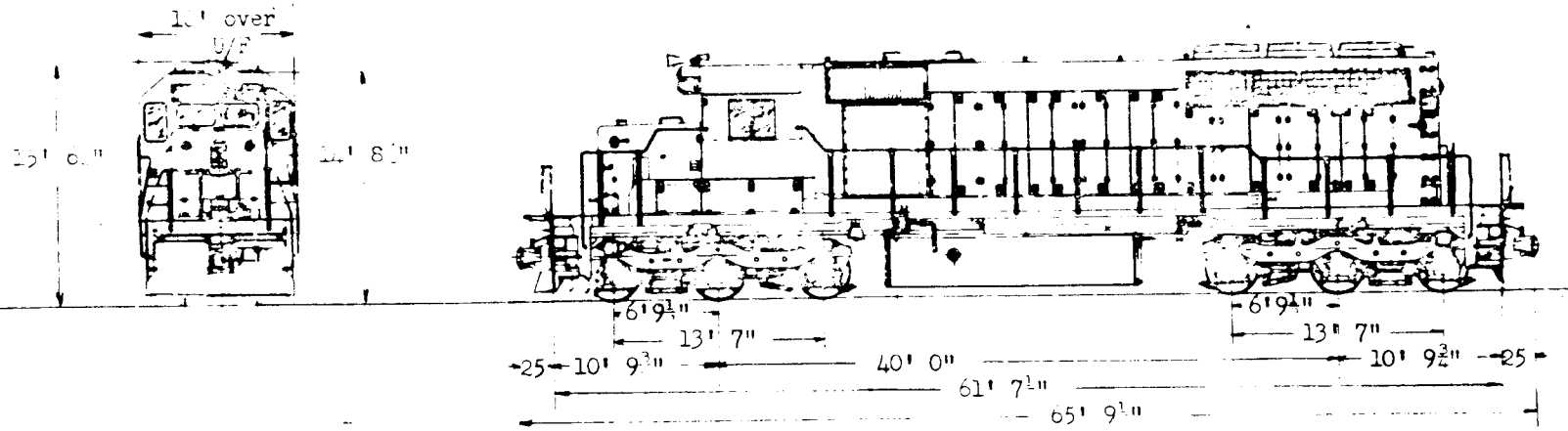
GTW
5912-5920

CLASS NUMBERS

DIESEL ENGINE : 3000 H.P.
EMD 16-645 E3, 2 cycle
9-1/16" bore, 10" stroke
900 R.P.M. full speed

WEIGHT	BUILDER	E.M.D.
	ORDER N ^o	7221
LIGHT	MODEL N ^o	SD-40
LOADED	DATE BUILT	1970
TOTAL		367,000

RETIRED



CAPACITIES		WHEELS : TYPE & CLASS	STEAM GENERATOR	ELECTRICAL EQUIPMENT	
ENG. COOLING WATER	254 IMP. GAL.	D-40 CR	None	TRACTION MOTORS	AUXILIARY GEN: TYPE & N ^o
LUBRICATING OIL	243 IMP. GAL.	JOURNALS: TYPE & SIZE Hyatt 6 1/2" x 12"	AIR COMPRESSOR Gardner-Denver WBO	Six - D-77-DC	Delco A-8102-A3
FUEL OIL	3200 IMP. GAL.			ALTERNATOR : TYPE & N ^o	
SAND STORAGE	56 CU. FT.	TRUCKS 3 Axle 3 Motor Flexicoil	COOLING FANS Three - 48"	T.M. BLOWER MOTORS	E.M.D. D-14
STEAM GEN. WATER	- IMP. GAL.			MAIN GENERATOR	One - Mechanical Drive
OPERATING FEATURES			AIR BRAKE Westinghouse 26LU	DYNAMIC BRAKE No	
MAX. SPEED	65 M.P.H.				
GEAR RATIO	62:15				
T.E. STARTING					
T.E. CONTINUOUS	70,000				
OPER. CURVE ALONE	300 COUPLED: 170				

Fully Automatic Transition	Four-Speed Solenoid Governor Control	Speed Recorder - Indicator	Air Signal Line	Seal Beam HL with Trainline Control
Elect.Pneumatic and Auto-Sanding Feature	Automatic Locomotive Testing	Wraparound Pilot at #1 End		

DEC 31 1974

MECHANICAL DEPARTMENT

DIESEL UNIT DATA BOOK

GF-30

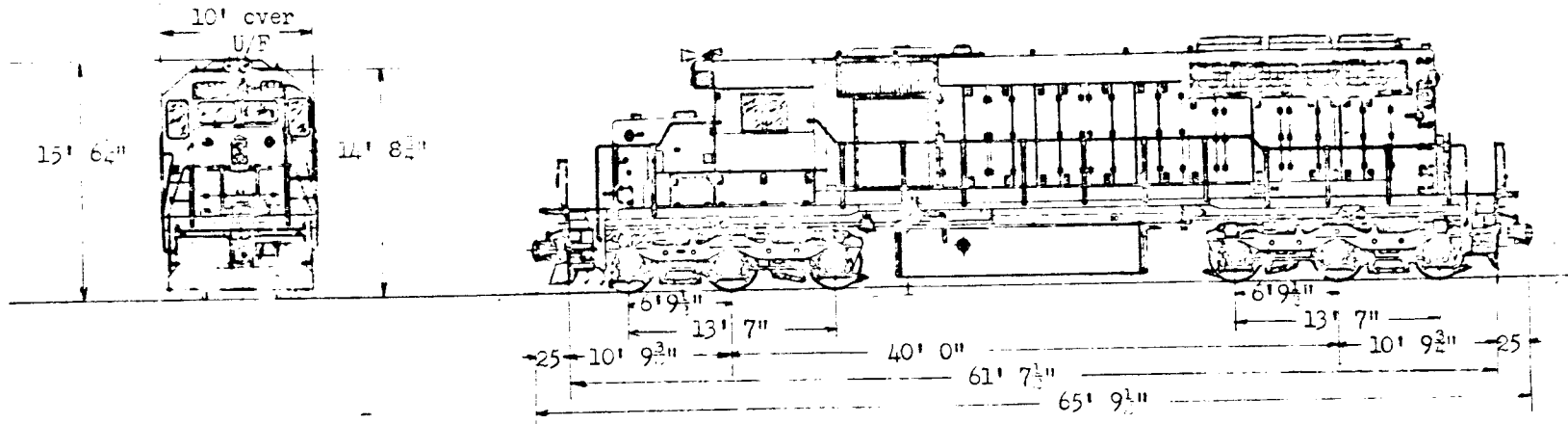
GTW
5921-5929

CLASS NUMBERS

DIESEL ENGINE: 3000 H.P.
EMD 16-645 E3, 2 cycle
9-1/16" bore, 10" stroke
900 R.P.M. full speed

WEIGHT		BUILDER	E.M.D.
	TOTAL	ORDER N ^o	7289
LIGHT		MODEL N ^o	SD-40
LOADED	367,000	DATE BUILT	1970

RETIRED



CAPACITIES			WHEELS: TYPE & CLASS		STEAM GENERATOR		ELECTRICAL EQUIPMENT	
ENG. COOLING WATER	254	IMP. GAL.	D-40	CR	None		TRACTION MOTORS	
LUBRICATING OIL	243	IMP. GAL.	JOURNALS: TYPE & SIZE Hyatt		AIR COMPRESSOR Gardner-Denver WBO		Six- D-77-DC	
FUEL OIL	3200	IMP. GAL.					AUXILIARY GEN: TYPE & N ^o Delco A-8102-A3	
SAND STORAGE	56	CU. FT.	TRUCKS 3 Axle 3 Motor Flexicoil		COOLING FANS Three - 48"		ALTERNATOR: TYPE & N ^o E.M.D. D-14	
STEAM GEN. WATER	-	IMP. GAL.					M.U. CONTROL Yes	
OPERATING FEATURES					AIR BRAKE Westinghouse 26LU		T.M. BLOWER MOTORS	
MAX. SPEED	65	MPH					One - Mechanical Drive	
GEAR RATIO	62:15						MAIN GENERATOR	
T.E. STARTING							E.M.D. AR-10-A1	
T.E. CONTINUOUS	70,000				DYNAMIC BRAKE		NO	
OPER. CURVE ALONE: 30 ^o COUPLED: 17 ^o								

Fully Automatic Transition	Four-Speed Solenoid Governor Control	Speed Recorder - Indicator	Air Signal Line	Seal Beam HL with Trainline Control	
Elect. Pneumatic & Auto-Sanding Feature	Automatic Locomotive Testing	Wraparound Pilot at No. 1 End			

DEC 31 1974

MECHANICAL DEPARTMENT

DIESEL UNIT DATA BOOK **GPA 17 a 6500-6512**

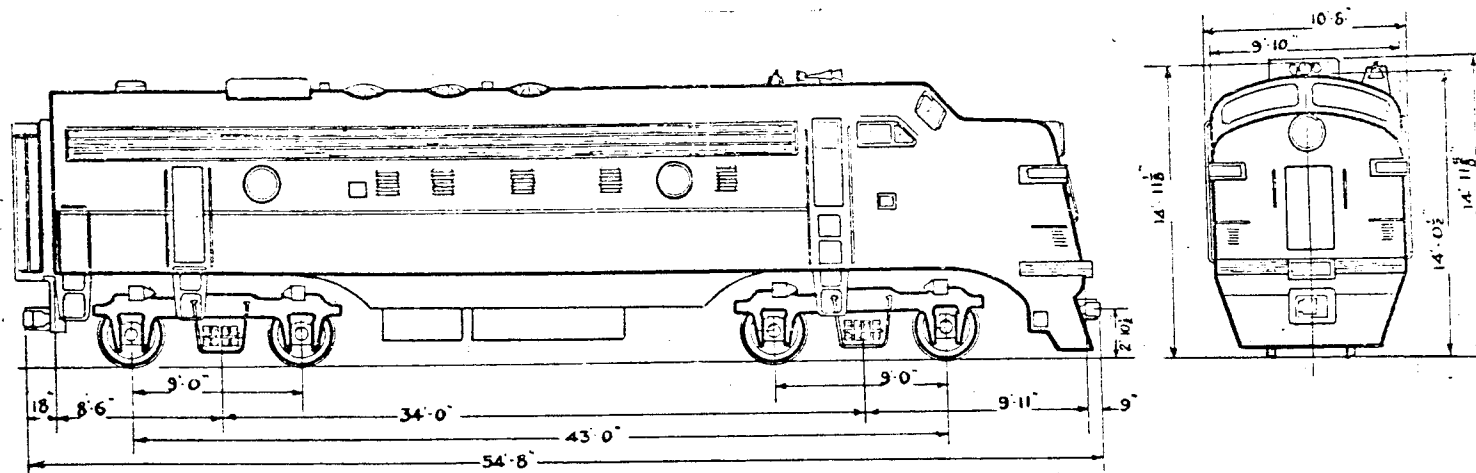
CLASS NUMBERS

DIESEL ENGINE : 1750 H.P.
 G.M. 567C V-type
 16 Cylinder, 8½" Bore, 10" Stroke
 835 R.P.M. Full speed
 275 R.P.M. Idling "

WEIGHT	BUILDER	G.M.
	ORDER N ^o	C-183
LIGHT	MODEL N ^o	FP 9A
LOADED	DATE BUILT	1954-1955

RETIRED

6500
6503



CAPACITIES		WHEELS : TYPE & CLASS	STEAM GENERATOR	ELECTRICAL EQUIPMENT	
ENG. COOLING WATER	188 IMP. GAL.	A-40 "C"	ONE - Vapor - OK-4625	TRACTION MOTORS	
LUBRICATING OIL	167 IMP. GAL.	JOURNALS: TYPE & SIZE	AIR COMPRESSOR	AUXILIARY GEN: TYPE & N ^o	
FUEL OIL	1000 IMP. GAL.	HYATT - 6½" x 12"	Gardner Denver WXO	G.M. D-37 4 Motors	Delco or Tamper 18 KW 74V D.C.
SAND STORAGE	16 CU. FT.	TRUCKS	COOLING FANS	T.M. BLOWER MOTORS	ALTERNATOR : TYPE & N ^o
STEAM GEN. WATER	1500 IMP. GAL.	Swing Bolster	FOUR-Reliance I-1777	Reliance A.C. 3 Phase Induction	G.M. D-14
OPERATING FEATURES			AIR BRAKE	MAIN GENERATOR	M.U. CONTROL
MAX. SPEED	89 M.P.H.		Westinghouse 24 RL	G.M. D-12	Yes
GEAR RATIO	58 - 19				DYNAMIC BRAKE
T.E. STARTING					No
T.E. CONTINUOUS	33000 lbs.				
OPER. CURVE ALONE: 23°	COUPLED:				

DEC 31 1974

Fully Automatic Transition	Four-Speed Solenoid Governor Control	Speed Recorder - Indicator	Steam Generator	Steam Generator Remote Control Panel	Combination Pilot & Footboard
Auxiliary Generator Trainline	Air Signal Line	Seal Beam HL with Trainline Control	Thru Steam Trainline	Elect.Pneumatic and Auto-Sanding Feature	

MECHANICAL DEPARTMENT

DIESEL UNIT DATA BOOK **GPA 17 b**

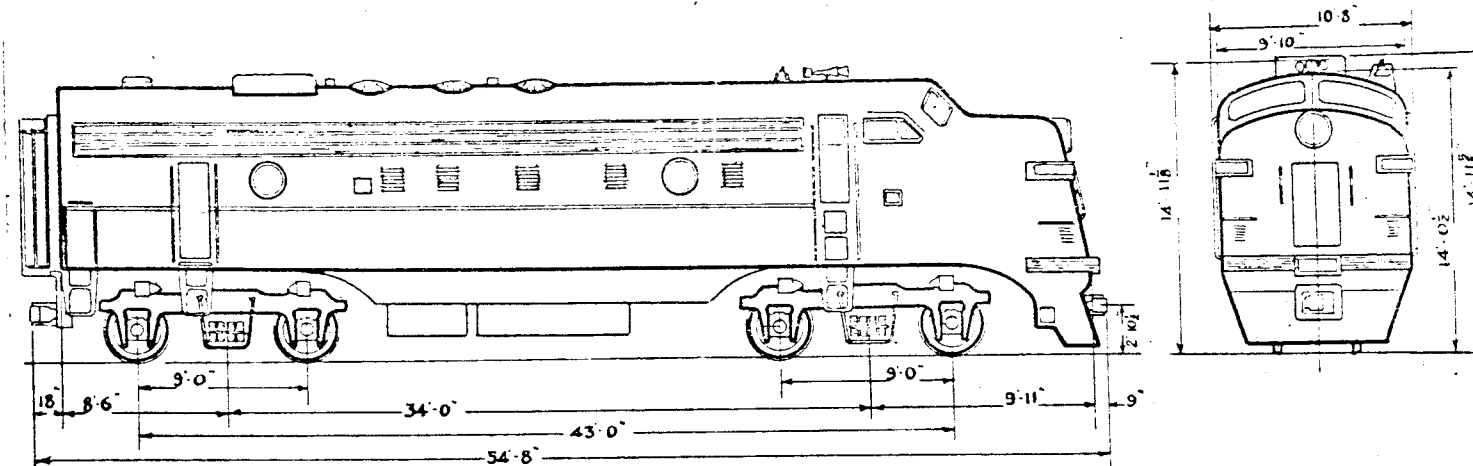
6513

CLASS NUMBERS

DIESEL ENGINE : 1750 H.P.
 G.M. 567C V-type
 16 Cylinder, 8½" Bore, 10" Stroke
 835 R.P.M. Full speed
 275 R.P.M. Idling "

WEIGHT		BUILDER	G.M.
	TOTAL	ORDER N ^o	C-183
LIGHT		MODEL N ^o	FP 9A
LOADED	256,000	DATE BUILT	1955

RETIRED



CAPACITIES		WHEELS : TYPE & CLASS	STEAM GENERATOR	ELECTRICAL EQUIPMENT
ENG. COOLING WATER	188 IMP. GAL.	A-40 "C"	ONE - Vapor OK-4625	TRACTION MOTORS
LUBRICATING OIL	167 IMP. GAL.	JOURNALS: TYPE & SIZE	AIR COMPRESSOR	G.M. D-37 4 Motors
FUEL OIL	1000 IMP. GAL.	Hyatt 6½" x 12"	Gardner Denver WX0	T.M. BLOWER MOTORS
SAND STORAGE	16 CU. FT.	TRUCKS	COOLING FANS	Reliance A.C. 3 Phase Induction
STEAM GEN. WATER	1500 IMP. GAL.	Swing Bolster	AIR BRAKE	G.M. D-12
OPERATING FEATURES				MAIN GENERATOR
MAX. SPEED	89 M.P.H.			G.M. D-12
GEAR RATIO	58 - 19			
T.E. STARTING				
T.E. CONTINUOUS	33000 lbs.			
OPER. CURVE ALONE: 230	COUPLED:			
				AUXILIARY GEN: TYPE & N ^o
				Delco or Tamper 18 KW 74V D.C.
				ALTERNATOR: TYPE & N ^o
				G.M. D-14
				M.U. CONTROL
				Yes
				DYNAMIC BRAKE
				No

Fully Automatic Transition	Four-Speed Solenoid Governor Control	Speed Recorder - Indicator	Steam Generator	Steam Generator Remote Control Panel
Auxiliary Generator Trainline	Air Signal Line	Seal Beam HL with Trainline Control	Thru Steam Trainline	Elect. Pneumatic and Auto-Sanding Feature

Combination Pilot and Footboard

DEC 31 1974

MECHANICAL DEPARTMENT

DIESEL UNIT DATA BOOK

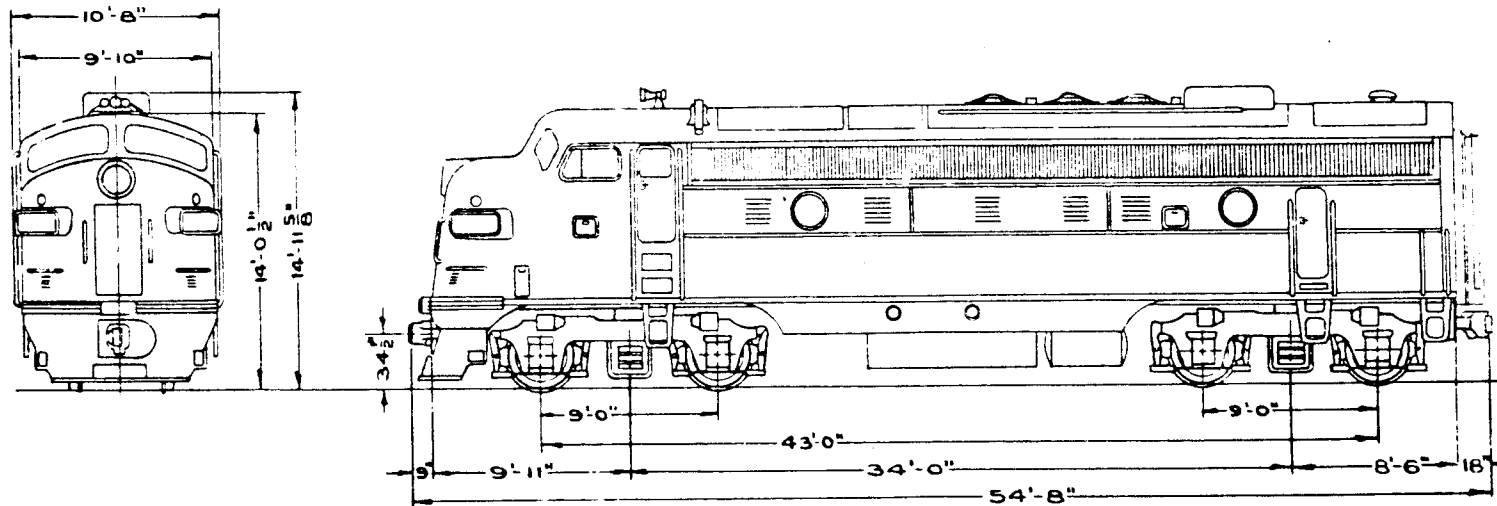
GPA 17 c

6514-6522

CLASS NUMBERS

DIESEL ENGINE: 1750 H.P.
 G.M. 567C V-type
 16 Cylinder, 8½ bore, 10"stroke
 835 R.P.M. full speed
 275 R.P.M. Idling speed

WEIGHT	TOTAL	BUILDER	G.M.
		ORDER N ^o	C-217
	LIGHT	MODEL N ^o	FP-9A
LOADED	256,000	DATE BUILT	1957



RETIRED
 6517
 6522

CAPACITIES		WHEELS : TYPE & CLASS	STEAM GENERATOR	ELECTRICAL EQUIPMENT
ENG. COOLING WATER	188 IMP. GAL.	A-40 "C"	ONE - Vapor OK-4625	TRACTION MOTORS
LUBRICATING OIL	167 IMP. GAL.	JOURNALS: TYPE & SIZE	AIR COMPRESSOR	AUXILIARY GEN: TYPE & N ^o
FUEL OIL	1000 IMP. GAL.	Hyatt 6½" x 12"	Gardner Denver W.B.O.	G.M. D-37 4 Motors
SAND STORAGE	16 CU. FT.	TRUCKS	COOLING FANS	T.M. BLOWER MOTORS
STEAM GEN. WATER	1500 IMP. GAL.	Swing Bolster	FOUR - Tamper A.C.	G.M. D-14
OPERATING FEATURES			AIR BRAKE	FOUR - Reliance
MAX. SPEED	39 MPH		Westinghouse 24 RL	MAIN GENERATOR
GEAR RATIO	58 - 19			G.M. D-12-B
T.E. STARTING				
T.E. CONTINUOUS	33000 lbs.			
OPER. CURVE ALONE: 230	COUPLED:			

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Fully Automatic Transition	Four-Speed Solenoid Governor Control	Speed Recorder-Indicator	Steam Generator	Steam Generator Remote Control Panel	Combination Pilot & Footboard
Auxiliary Generator Trainline	Air Signal Line	Seal Beam HL with Trainline Control	Thru Steam Trainline	Elect. Pneumatic and Auto-Sanding Feature	Automatic Locomotive Testing Excludes Units 6514 and 6515

MECHANICAL DEPARTMENT

DIESEL UNIT DATA BOOK

GPA 17d

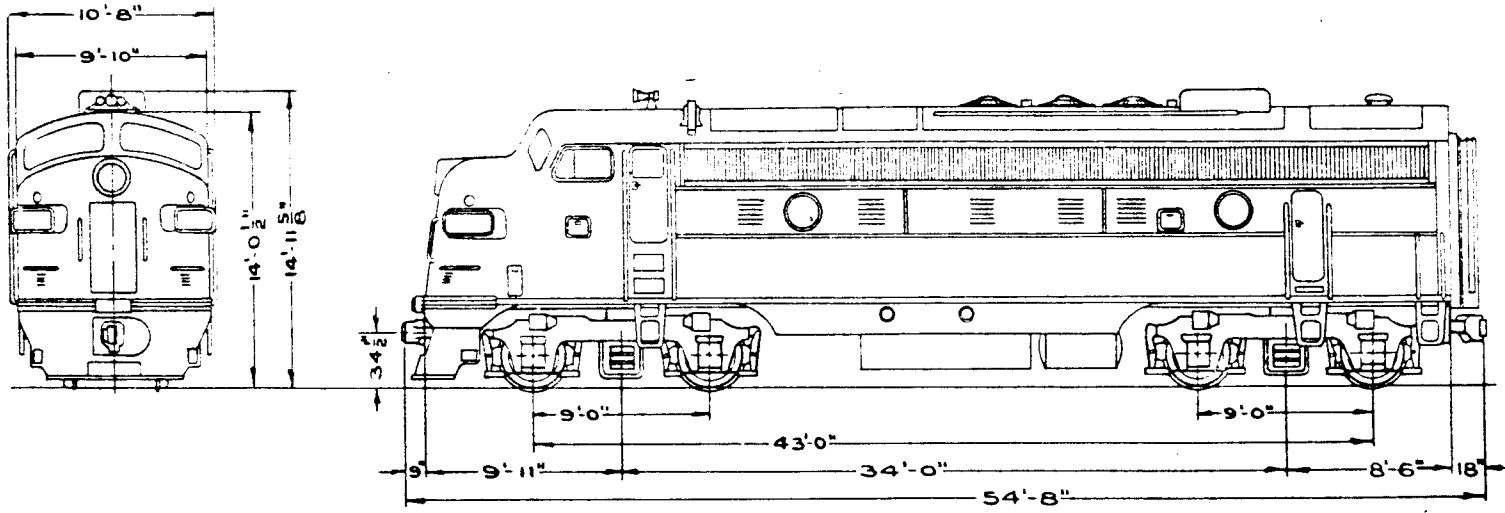
6523-6532

CLASS NUMBERS

DIESEL ENGINE: 1750 HP
 G.M. 567C V-type
 16 Cylinder, 8½" bore, 10" stroke
 835 R.P. . full speed
 275 R.P.M. idling speed

WEIGHT	BUILDER	G.M.
	ORDER N ^o	C-230
LIGHT	MODEL N ^o	FP-9A
LOADED	DATE BUILT	1957

RETIRED



CAPACITIES		WHEELS: TYPE & CLASS	STEAM GENERATOR	ELECTRICAL EQUIPMENT
ENG. COOLING WATER	188 IMP. GAL.	A-40 "C"	ONE - Vapor OK-4625	TRACTION MOTORS
LUBRICATING OIL	167 IMP. GAL.	JOURNALS: TYPE & SIZE	AIR COMPRESSOR	AUXILIARY GEN: TYPE & N ^o
FUEL OIL	1000 IMP. GAL.	Hyatt 6½" x 12"	Gardner Denver WBO	G.M. A-8102-A2 18 KW
SAND STORAGE	16 CU. FT.	TRUCKS	COOLING FANS	ALTERNATOR: TYPE & N ^o
STEAM GEN. WATER	1500 IMP. GAL.	Swing Bolster	FOUR - Tamper A.C.	G.M. D-14
OPERATING FEATURES			AIR BRAKE	M.U. CONTROL
MAX. SPEED	89 M.P.H.		Westinghouse 24 RL	Yes
GEAR RATIO	58 - 19			both ends
T.E. STARTING				DYNAMIC BRAKE
T.E. CONTINUOUS	33000 lbs.			No
OPER. CURVE ALONE: 230	COUPLED: 230			

Fully Automatic Transition	Four-Speed Solenoid Governor Control	Speed Recorder - Indicator	Steam Generator	Steam Generator Remote Control Panel	Automatic Locomotive Testing
Auxiliary Generator Trainline	Air Signal Line	Seal Beam HL with Trainline Control	Thru Steam Trainline	Elect. Pneumatic and Auto-Sanding Feature	Combination Pilot and Footboard

DEC 31 1974

MECHANICAL DEPARTMENT

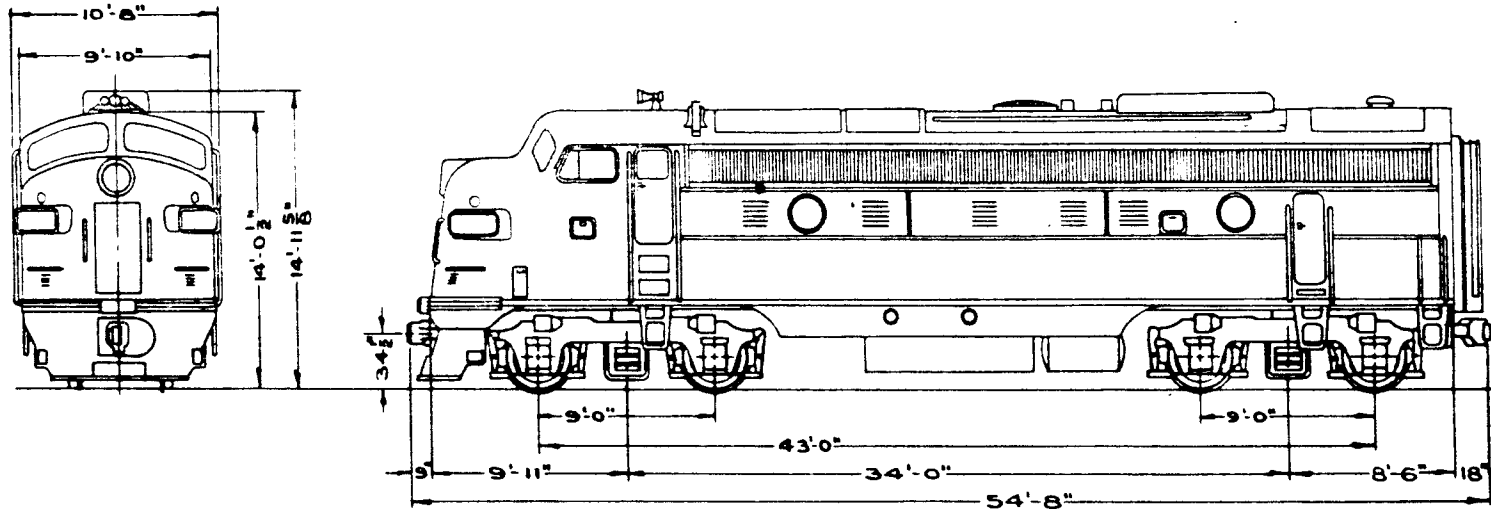
DIESEL UNIT DATA BOOK **GPA 17 e** **6533 - 6542**

CLASS NUMBERS

DIESEL ENGINE : 1750 H.P.
 G.M. 567C V-type
 16 cylinder 8 1/2" Bore, 10" Stroke
 835 R.P.M. Full Speed
 275 R.P.M. Idling "

WEIGHT	BUILDER	G.M.
	ORDER N ^o	C-242
LIGHT	MODEL N ^o	FP-9A
LOADED	DATE BUILT	1958

RETIRED
6538



CAPACITIES		WHEELS : TYPE & CLASS	STEAM GENERATOR	ELECTRICAL EQUIPMENT
ENG. COOLING WATER	188 IMP. GAL.	A-40 "C"	ONE - Vapor OK-4625	TRACTION MOTORS
LUBRICATING OIL	167 IMP. GAL.	JOURNALS: TYPE & SIZE	AIR COMPRESSOR	AUXILIARY GEN: TYPE & N ^o
FUEL OIL	1000 IMP. GAL.	Hyatt 6 1/2" x 12"	Gardner Denver WBO	G.M. A-8102-A2
SAND STORAGE	16 CU. FT.	TRUCKS	COOLING FANS	18 KW
STEAM GEN. WATER	1500 IMP. GAL.	Swing Bolster	Two Tamper A.C.	ALTERNATOR: TYPE & N ^o
OPERATING FEATURES			AIR BRAKE	G.M. D-14
MAX. SPEED	89 M.P.H.		Westinghouse 24 RL	M.U. CONTROL
GEAR RATIO	58 - 19			Yes
T.E. STARTING				Both ends
T.E. CONTINUOUS	33000 lbs.			DYNAMIC BRAKE
OPER. CURVE ALONE: 23°	COUPLED: 23°			No

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Fully Automatic Transition	Four-Speed Solenoid Governor Control	Speed Recorder - Indicator	Steam Generator	Steam Generator Remote Control Panel	Automatic Locomotive Testing
Auxiliary Generator Trainline	Air Signal Line	Seal Beam HL with Trainline Control	Thru Steam Trainline	Elect. Pneumatic and Auto-Sanding Feature	Combination Pilot & Footboard

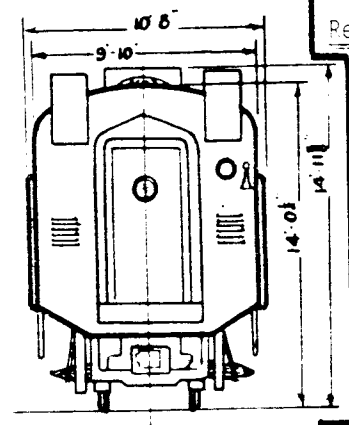
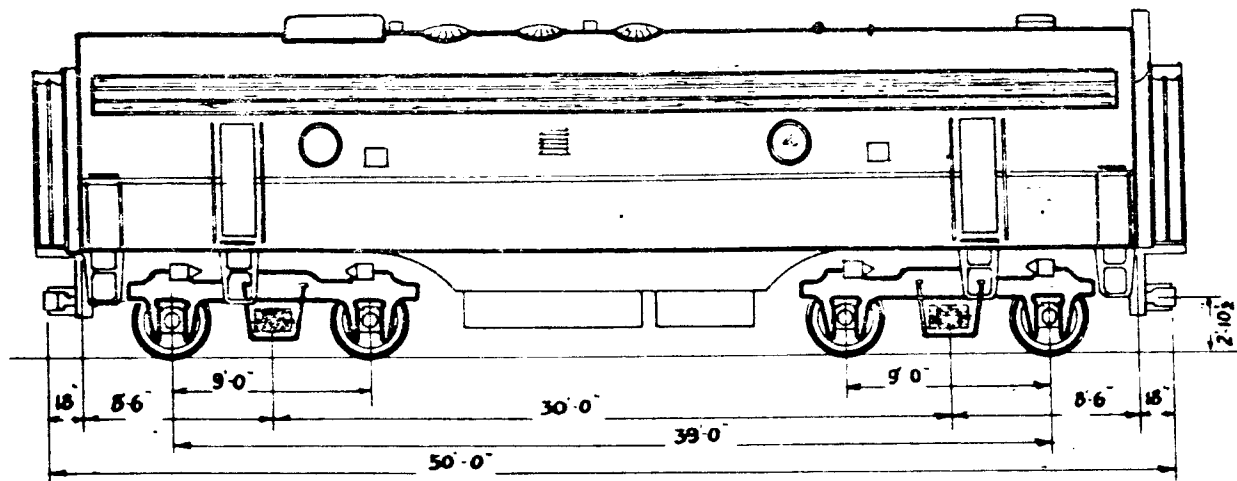
MECHANICAL DEPARTMENT

DIESEL UNIT DATA BOOK

GPB-17a To 6600
CLASS NUMBERS
6612

DIESEL ENGINE: 1750 H.P.
G.M. 567C V. Type
16 cyl. 8 1/2" bore 10" stroke
835 R.P.M. full speed
275 R.P.M. idling "

WEIGHT		DISTRIBUTION				BUILDER	G.M.
FR. MIN	REAR MIN	TOTAL	FR. MAX	REAR MAX	TOTAL	ORDER N°	C-182
LIGHT						MODEL N°	F-9B
LOADED					256,000	DATE BUILT	1954-55



Retired
6600
6601
6608
6609

CAPACITIES		
ENG. COOLING WATER	188	IMP. GAL.
LUBRICATING OIL	167	IMP. GAL.
FUEL OIL	1000	IMP. GAL.
SAND STORAGE	16	CU. FT.
STEAM GEN. WATER	1600	IMP. GAL.

WHEELS: TYPE & CLASS	
A-40	"C"
JOURNALS: TYPE & SIZE	
Byatt	6 1/2" x 12"

STEAM GENERATOR	
Two Vapor OK-4625	
AIR COMPRESSOR	
Gardner Denver WX0	

ELECTRICAL EQUIPMENT	
TRACTION MOTORS G.M. D.37 4 Motors	AUXILIARY GEN: TYPE & NR Deleo or Taper 18 K.W. 74V. D.C.
T.M. BLOWER MOTORS Reliance A.C. 3 phase induction	ALTERNATOR: TYPE & NR G.M. D-14
MAIN GENERATOR G.M. D 12	M.U. CONTROL Yes
	DYNAMIC BRAKE No

OPERATING FEATURES		
MAX. SPEED	89	MPH
GEAR RATIO	58 - 19	
TE. STARTING		
TE. CONTINUOUS	33,000 lbs.	
OPER. CURVE ALONE: 23°	COUPLED:	

TRUCKS	
Swing Bolster	

COOLING FANS	
FOUR - Reliance	
AIR BRAKE	
Westinghouse - 24 RL.	

Fully Automatic Transition	Four-speed Solenoid Governor Control	Steam Generator	Auxiliary Generator Trainline	Air Signal Line
Thru Steam Trainline	Elect. Pneumatic and Auto-Signaling Feature			

DEC 31 1974

MECHANICAL DEPARTMENT

DIESEL UNIT DATA BOOK

GPB-176

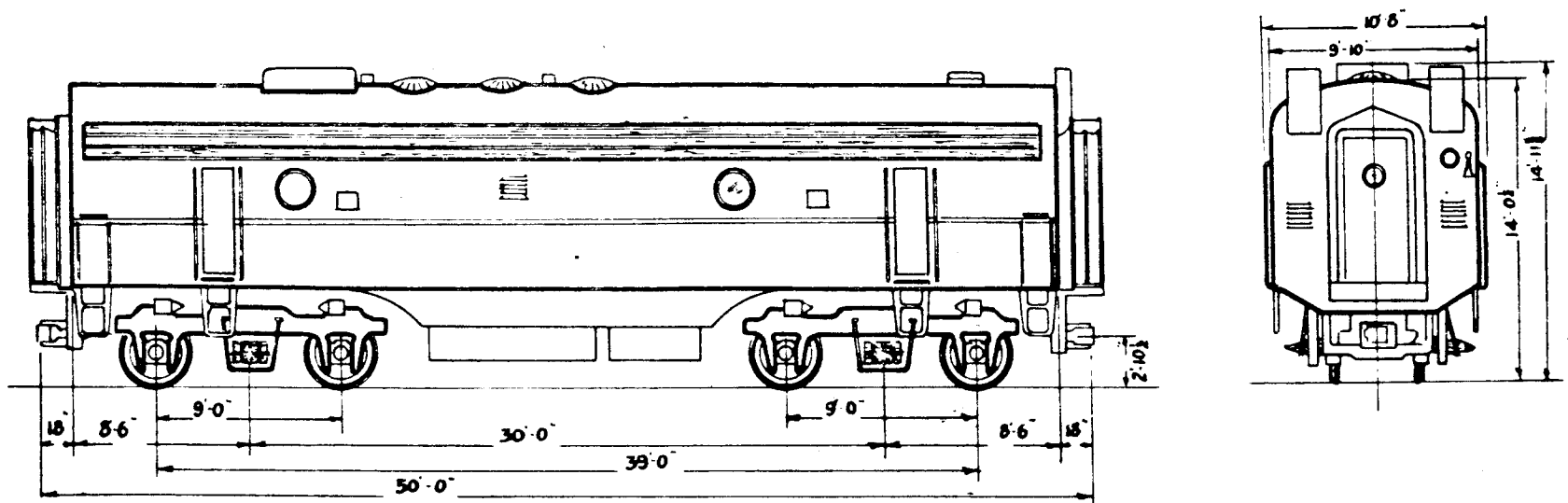
6613

CLASS

NUMBERS

DIESEL ENGINE: 1750 H.P.
 G.M. 567C V-type
 16 cylinder, 8 1/2" Bore, 10" stroke
 836 R.P.M. full speed
 275 R.P.M. Idling "

WEIGHT		DISTRIBUTION					BUILDER	G.M.
FR. MIN	REAR MIN.	TOTAL	FR. MAX.	REAR MAX.	TOTAL	ORDER N ^o	C-182	
LIGHT						MODEL N ^o	F-9B	
LOADED					256,000	DATE BUILT	1955	



CAPACITIES		WHEELS: TYPE & CLASS	STEAM GENERATOR	ELECTRICAL EQUIPMENT
ENG. COOLING WATER	188 IMP. GAL.	A-40 "C"	TWO Vapor OK-4625	TRACTION MOTORS G.M. D-37 4 Motors
LUBRICATING OIL	167 IMP. GAL.	JOURNALS: TYPE & SIZE Hyatt 6 1/2" x 12"	AIR COMPRESSOR Gardner Denver WXO	AUXILIARY GEN: TYPE & N ^o Deleo or Tamper 18 KW 74V. D.C.
FUEL OIL	1000 IMP. GAL.	TRUCKS Swing Bolster	COOLING FANS Four	ALTERNATOR: TYPE & N ^o G.M. D-14
SAND STORAGE	16 CU. FT.		AIR BRAKE Westinghouse 24 R.L.	M.U. CONTROL Yes
STEAM GEN. WATER	1600 IMP. GAL.			DYNAMIC BRAKE No
OPERATING FEATURES				MAIN GENERATOR G.M. D-12
MAX. SPEED	89 MPH			
GEAR RATIO	58 - 19			
T.E. STARTING				
T.E. CONTINUOUS	33,000 lbs.			
OPER. CURVE ALONE: 23°	COUPLED:			

DEC 31 1974

Fully Automatic Transition	Four-Speed Solenoid Governor Control	Steam Generator	Auxiliary Generator Trainline	Air Signal Line
Thru Steam Trainline	Elect. Pneumatic and Auto-Sanding Feature			

MECHANICAL DEPARTMENT

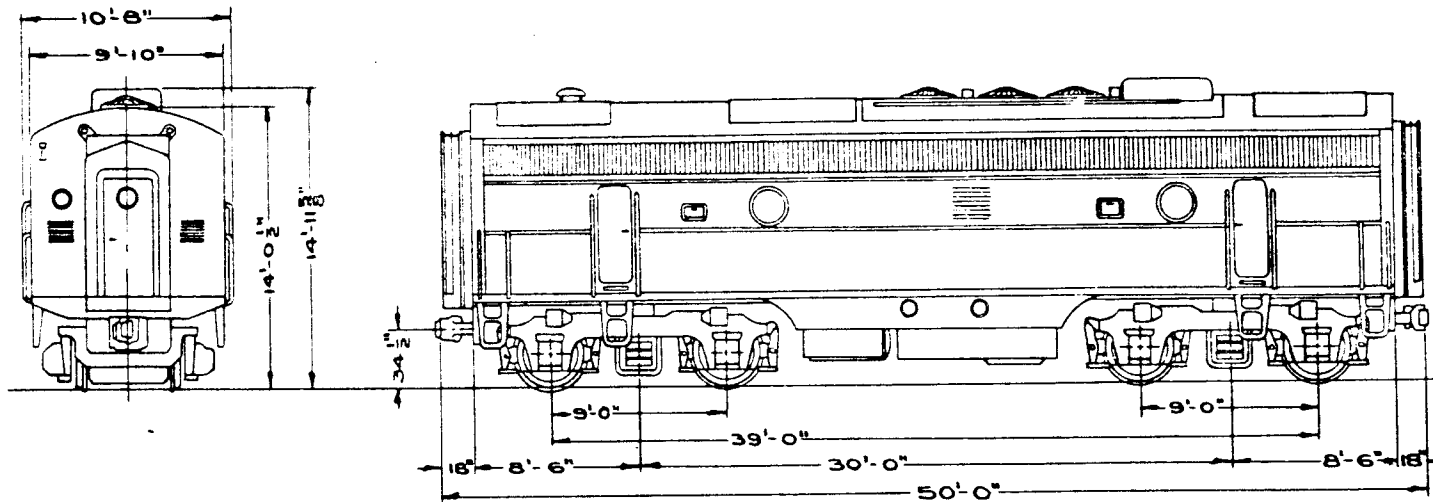
DIESEL UNIT DATA BOOK

GPB-17c To 6614
CLASS NUMBERS 6620

DIESEL ENGINE: 1750 H.P.
G.M. 567 C V-Type
16 Cylinder, 8 1/2" Bore, 10" Stroke
835 R.P.M. Full speed
275 R.P.M. Idling "

	WEIGHT			DISTRIBUTION		
	FR. MIN	REAR MIN.	TOTAL	FR. MAX.	REAR MAX.	TOTAL
LIGHT						
LOADED						256,000

BUILDER	G.M.
ORDER N ^o	C-218
MODEL N ^o	F-9B
DATE BUILT	1967



CAPACITIES		WHEELS: TYPE & CLASS	STEAM GENERATOR	ELECTRICAL EQUIPMENT
ENG. COOLING WATER	188 IMP. GAL.	A-40 "C"	Two Vapor CK-4625	TRACTION MOTORS G.M. D-37 4 Motors
LUBRICATING OIL	167 IMP. GAL.	JOURNALS: TYPE & SIZE Hyatt 6 1/2" x 12"	AIR COMPRESSOR Gardner Denver W80	AUXILIARY GEN: TYPE & N ^o G.M. A-8102-A2 18 KW
FUEL OIL	1000 IMP. GAL.			ALTERNATOR: TYPE & N ^o G.M. D-14
SAND STORAGE	16 CU. FT.	TRUCKS Swing Bolster	COOLING FANS Four Temper A.C.	M.U. CONTROL Yes
STEAM GEN. WATER	1600 IMP. GAL.			AIR BRAKE Westinghouse 24 RL
OPERATING FEATURES				MAIN GENERATOR G.M. D-12-B
MAX. SPEED	89 M.P.H.			
GEAR RATIO	58 - 19			
T.E. STARTING				
T.E. CONTINUOUS	33,000 lbs.			
OPEN CURVE ALONE	23°			
COUPLED	23°			

DEC 31 1974

Fully Automatic Transition	four-Speed Selenoid Governor Control	Steam Generator	Auxiliary Generator Trainline	air Signal Line
Elect. Pneumatic & auto-banding Feature	Thru Steam Trainline Unit 6619 Only	End Valves removed only Excluding Unit 6619	Automatic Locomotive Testing. Excluding Units 6614 and 6615	

MECHANICAL DEPARTMENT

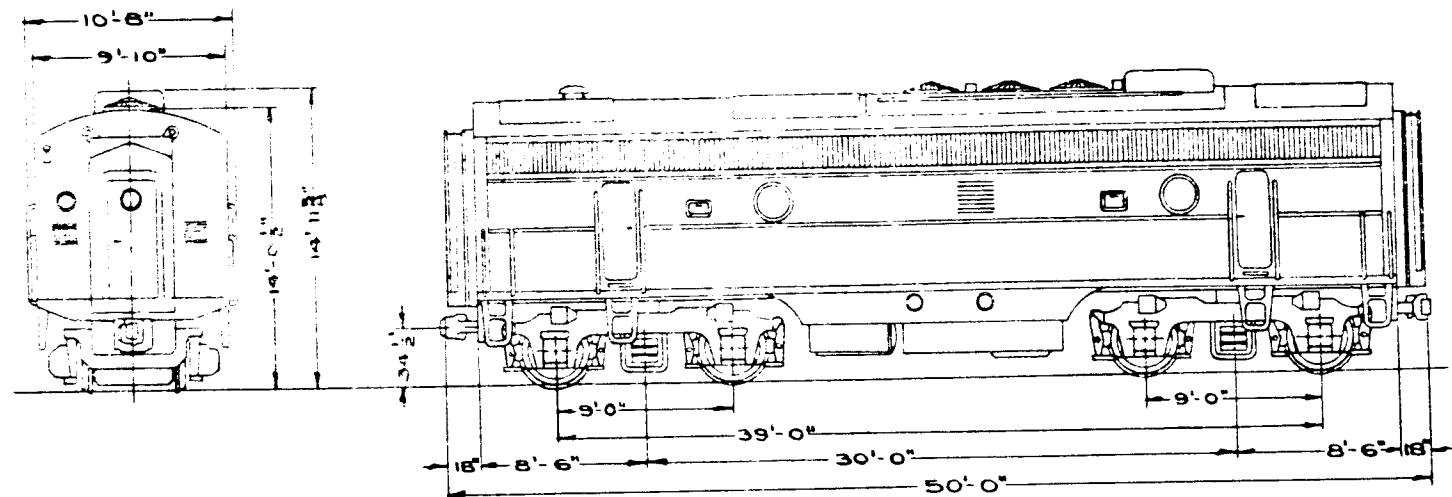
DIESEL UNIT DATA BOOK

GPB-17d To 6621
CLASS 6630
NUMBERS

DIESEL ENGINE: 1750 H.P.
G.M. 5670 V-type
16 cylinder, 8 1/2" Bore, 10" Stroke
635 R.P.M. Full Speed
275 R.P.M. Idling "

WEIGHT		DISTRIBUTION			
FR. MIN	REAR MIN	TOTAL	FR. MAX	REAR MAX	TOTAL
LIGHT					
LOADED					256,000

BUILDER	G.M.
ORDER N ^o	G-251
MODEL N ^o	F-9B
DATE BUILT	1957



CAPACITIES		
ENG. COOLING WATER	188	IMP GAL
LUBRICATING OIL	167	IMP GAL
FUEL OIL	1000	IMP GAL
SAND STORAGE	16	CU FT.
STEAM GEN. WATER	1600	IMP GAL

WHEELS: TYPE & CLASS	A-40 "C"
JOURNALS: TYPE & SIZE	Eystt 8 1/2" x 12"

STEAM GENERATOR	TWO Vapor OL-4625
AIR COMPRESSOR	Gardner Denver WBO

ELECTRICAL EQUIPMENT	
TRACTION MOTORS	AUXILIARY GEN: TYPE & N ^o
G.M. D-57 4 Motors	G.M. A8102-A2 18 K.W.
T.M. BLOWER MOTORS	ALTERNATOR: TYPE & N ^o
FOUR - Reliance	G.M. D-14
MAIN GENERATOR	M.U. CONTROL
G.M. D12-B	Yes
	DYNAMIC BRAKE
	No

OPERATING FEATURES		
MAX. SPEED	89	MPH
GEAR RATIO	58:19	
T.E. STARTING		
T.E. CONTINUOUS	33,000 lbs.	
OPER. CURVE ALONE	230	COUPLED: 230

TRUCKS	Swing Bolster
--------	---------------

COOLING FANS	Four Temper A.C.
AIR BRAKE	Westinghouse 24-RL

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Fully Automatic Transition	Four-Speed Solenoid Governor Control	Steam Generator	auxiliary Generator Trainline	Air signal line	
Elect. Pneumatic and Auto-Sanding Feature	Automatic Inoperative Testing	Thru Steam Trainline Unit 6626 Only	End Valves removed only Excluding Unit 6626		

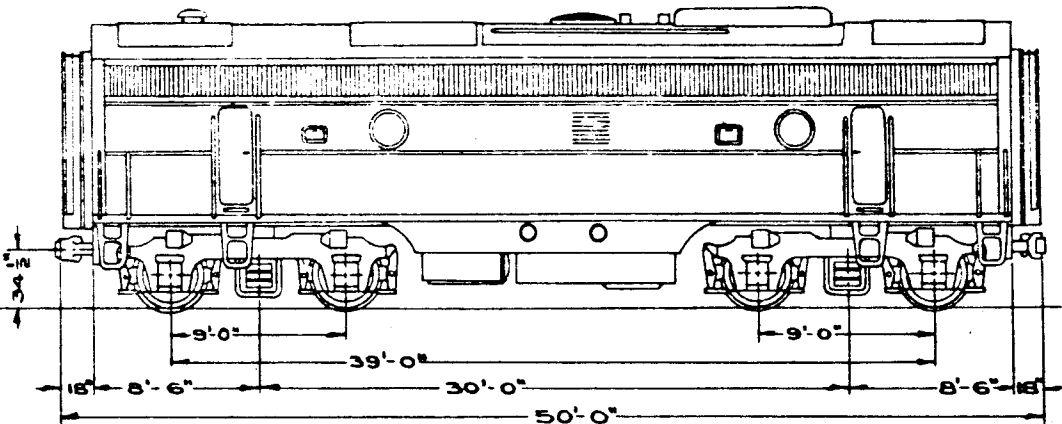
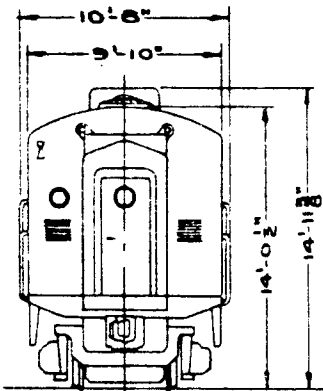
MECHANICAL DEPARTMENT

DIESEL UNIT DATA BOOK

GPB-17e To 6637
CLASS NUMBERS

DIESEL ENGINE: 1750 H.P.
G.M. 567C V-type
16 cylinder, 8 1/2" bore, 10" stroke
835 R.P.M. full speed
275 R.P.M. Idling "

WEIGHT DISTRIBUTION		BUILDER	G.M.
FR. MIN	REAR MIN.	ORDER N ^o	C-245
LIGHT		MODEL N ^o	F-9-B
LOADED		DATE BUILT	1958



CAPACITIES		
ENG. COOLING WATER	188	IMP. GAL.
LUBRICATING OIL	167	IMP. GAL.
FUEL OIL	1000	IMP. GAL.
SAND STORAGE	16	CU. FT.
STEAM GEN. WATER	1600	IMP. GAL.

OPERATING FEATURES		
MAX. SPEED	89	M.P.H.
GEAR RATIO	58 : 19	
T.E. STARTING		
T.E. CONTINUOUS	33,000 lbs.	
OPER. CURVE ALONE	230	
COUPLED	230	

WHEELS: TYPE & CLASS
A-40 "C"
JOURNALS: TYPE & SIZE
Ryatt 6 1/2" x 12"

TRUCKS
Swing Bolster

STEAM GENERATOR
Two - Vapor OK-4825
AIR COMPRESSOR
Gardner Denver W.B.O.

COOLING FANS
Two - Texper A.C.
AIR BRAKE
Westinghouse 24-RL

ELECTRICAL EQUIPMENT
TRACTION MOTORS
G.M. D-47B
4 Motors

T.M. BLOWER MOTORS
FOUR - Reliance
MAIN GENERATOR
G.M. D-12-B

AUXILIARY GEN: TYPE & N^o
G.M. A-8102-A2
18 K.W.

ALTERNATOR: TYPE & N^o
G.M. D-14
M.U. CONTROL
Yes
DYNAMIC BRAKE
No

DEC 31 1974

Fully Automatic Transition	Four-speed solenoid Governor Control	Steam generator	auxiliary generator Trainline	Air signal line
Elect. Pneumatic and auto-Sanding Feature	automatic locomotive Testing	Thru Steam Trainline Units 6632, 6633, 6636, and 6637 Only	End Valves removed only Units 6631, 6634 and 6635 only	

MECHANICAL DEPARTMENT

DIESEL UNIT DATA BOOK

MPA-18c

6758

6759

CLASS

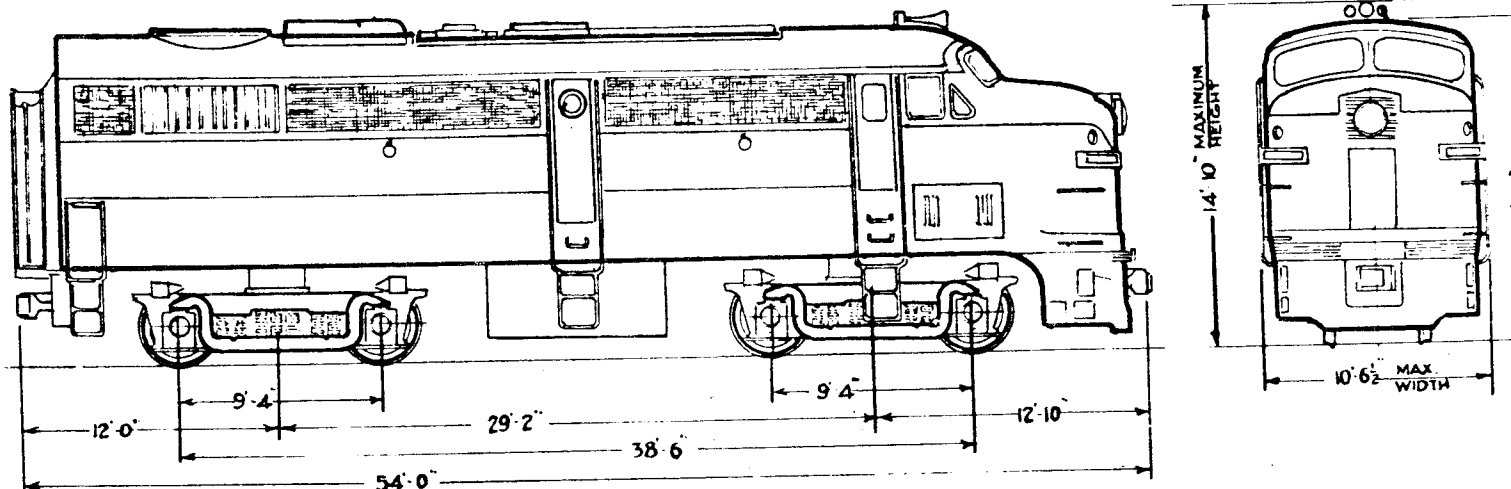
NUMBERS

DIESEL ENGINE: 1800 H.P.
 Also 251-B V-type
 12 Cylinder, 9" bore, 10½" stroke
 1000 R.P.M. Full speed
 400 R.P.M. Idle

WEIGHT		DISTRIBUTION		
Unit 6758 formerly 6751	FR. MAX.	REAR MAX.	TOTAL	
Unit 6759 formerly 6755			261,000	
LOADED				

BUILDER	M.L.W.
ORDER N ^o	4407
MODEL N ^o	FPA-2
DATE BUILT	1955

Re-engined in 1958



CAPACITIES		WHEELS: TYPE & CLASS	STEAM GENERATOR	ELECTRICAL EQUIPMENT	
ENG. COOLING WATER	208 IMP. GAL.	A-40 "C"	One Vapor OK-4625	TRACTION MOTORS	AUXILIARY GEN: TYPE & N ^o
LUBRICATING OIL	167 IMP. GAL.	JOURNALS: TYPE & SIZE Tinken 6½" x 12"	AIR COMPRESSOR Westinghouse 3 CDC	FOUR G.E. 752	G.E. GY-27
FUEL OIL	1000 IMP. GAL.			T.M. BLOWER MOTORS	
SAND STORAGE	22 CU. FT.	TRUCKS	COOLING FANS	G.E. GY-29	M.U. CONTROL
STEAM GEN. WATER	1550 IMP. GAL.	Heavy Swing Bolster Model MT-50662	One Mechanical Drive	MAIN GENERATOR	Yes
OPERATING FEATURES			AIR BRAKE	G.E. GT-581	DYNAMIC BRAKE
MAX. SPEED	92 M.P.H.		Westinghouse 24 RL		No
GEAR RATIO	82 : 21				
T.E. STARTING					
T.E. CONTINUOUS	38,000 lbs.				
OPER. CURVE ALONE	210				
COUPLED:					

DEC 31 1974

Fully Automatic Transition	Four-Speed Solenoid Governor Control	Speed Recorder - Indicator	Steam Generator	Steam Generator Remote Control Panel	Combination Pilot and Footboard
Auxiliary Generator Trainline	Air Signal Line	Seal beam HL with Trainline Control	Thru Steam Trainline	Elect. Pneumatic and Auto-Sanding Feature	Snowplow Electrical Connection Unit 6759 Only

MECHANICAL DEPARTMENT

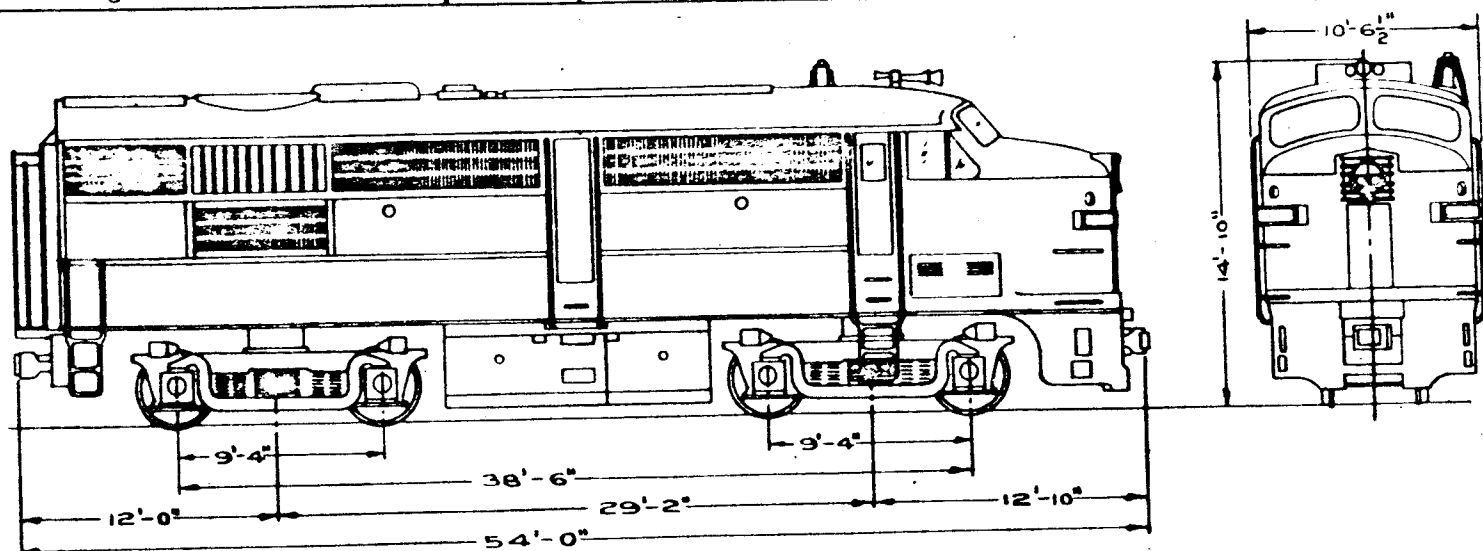
DIESEL UNIT DATA BOOK

MPA-18_a CLASS ⁶⁷⁶⁰To ⁶⁷⁶⁶ NUMBERS

DIESEL ENGINE: 1800 H.P.
 Also 251-B V-type
 12 cylinder, 9" bore, 10 $\frac{1}{2}$ " stroke
 1000 R.P.M. Full speed
 400 R.P.M. Idling "

	WEIGHT		DISTRIBUTION			
	FR. MIN	REAR MIN.	TOTAL	FR. MAX.	REAR MAX.	TOTAL
LIGHT						
LOADED						259,000

BUILDER	M.I.N.
ORDER N ^o	SO.4408
MODEL N ^o	FPA-4
DATE BUILT	1958



Retired
6766

CAPACITIES		WHEELS: TYPE & CLASS	STEAM GENERATOR	ELECTRICAL EQUIPMENT	
ENG. COOLING WATER	183 IMP. GAL.	A-40 "C"	One Vapor OK-4625	TRACTION MOTORS	AUXILIARY GEN: TYPE & NR
LUBRICATING OIL	166 IMP. GAL.			Four	C.G.E. GX-27
FUEL OIL	1000 IMP. GAL.	JOURNALS: TYPE & SIZE	AIR COMPRESSOR	G.E. 752	ALTERNATOR: TYPE & NR
SAND STORAGE	22 CU. FT.	S.K.F. 6 $\frac{1}{2}$ " x 12"	Westinghouse 3CDC	T.M. BLOWER	GTA 6 PAI
STEAM GEN. WATER	1550 IMP. GAL.			Two	M.U. CONTROL
OPERATING FEATURES		TRUCKS	COOLING FANS	Sturtevant	Yes
MAX. SPEED	92 M.P.H.	Heavy Swing Bolster	One Koppers	Mechanical Drive	
GEAR RATIO	62 : 21	Model MT-5088	Right angle drive	MAIN GENERATOR	DYNAMIC BRAKE
T.E. STARTING				C.G.E. GT-581	No
T.E. CONTINUOUS	38,000 lbs.		AIR BRAKE		
OPER. CURVE ALONE: 21 ^o	COUPLED: 21 ^o		Westinghouse 24-RL		

Fully Automatic Transition	Four-Speed Solenoid Governor Control	Speed Recorder - Indicator	Steam Generator	Steam Generator Remote Control Panel	Combination Pilot and Footboard
Auxiliary Generator Trainline	Air Signal Line	Seal Beam HL with Trainline Control	Thru Steam Trainline	Elect. Pneumatic and Auto-Sanding Feature	Snowplow Electrical Connection

DEC 31 1974

MECHANICAL DEPARTMENT

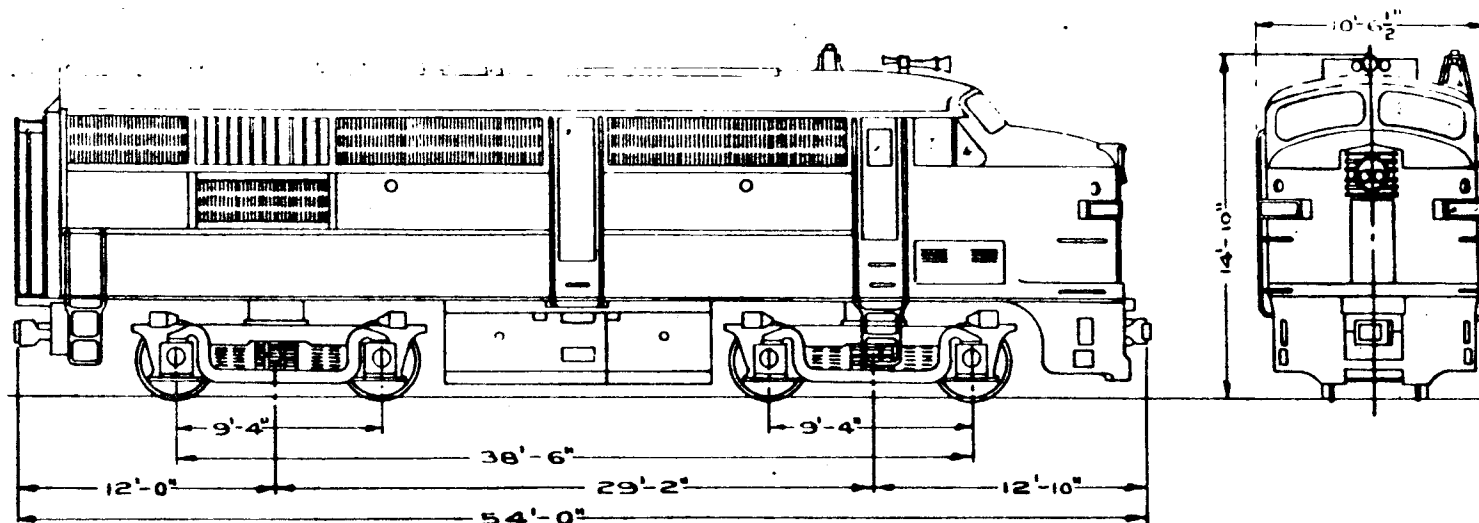
DIESEL UNIT DATA BOOK

MPA-18b To 6767
CLASS To 6793
NUMBERS

DIESEL ENGINE: 1800 H.P.
Also D.E.W. 251-B V-type
12 cylinder, 9" bore, 10 1/2" stroke
1000 R.P.M. Full speed
400 R.P.M. Idling "

WEIGHT		DISTRIBUTION				
FR. MIN	REAR MIN.	TOTAL	FR. MAX.	REAR MAX.	TOTAL	
LIGHT						
LOADED					258,000	

BUILDER	M.L.W.
ORDER N ^o	4409
MODEL N ^o	FPA-4
DATE BUILT	1959



CAPACITIES	
ENG. COOLING WATER	183 IMP. GAL.
LUBRICATING OIL	166 IMP. GAL.
FUEL OIL	1000 IMP. GAL.
SAND STORAGE	22 CU. FT.
STEAM GEN. WATER	1550 IMP. GAL.

WHEELS: TYPE & CLASS
A-40 "0"
JOURNALS: TYPE & SIZE
S.K.F. 6 1/2" x 12"

STEAM GENERATOR
One Vapor OK-4625
AIR COMPRESSOR
Westinghouse 3 CDC

ELECTRICAL
TRACTION MOTORS
FOUR G.E. 752
T.M. BLOWER
Two Startsvant Mechanical Drive
MAIN GENERATOR
C.G.E. GT-581

EQUIPMENT
AUXILIARY GEN: TYPE & N ^o
C.G.E. GT-27
ALTERNATOR: TYPE & N ^o
M.U. CONTROL
Yes
DYNAMIC BRAKE
No

OPERATING FEATURES	
MAX. SPEED	- 92 M.P.H.
GEAR RATIO	62 : 21
T.E. STARTING	
T.E. CONTINUOUS	58,000 lbs.
OPER. CURVE ALONE: 21°	COUPLED: 21°

TRUCKS
Heavy Swing Bolster Model MT-5088

COOLING FANS
One Koppers Mechanical Drive
AIR BRAKE
Westinghouse 24 RL

Fully Automatic Transition	Four-Speed Solenoid Governor Control	Speed Recorder - Indicator	Steam Generator	Steam Generator Remote Control Panel
Auxiliary Generator Trainline	Air Signal Line	Seal Beam HL with Trainline Control	Thru Steam Trainline	Elect. Pneumatic and Auto-Sanding Feature

Combination Pilot and Footboard
Automatic Locomotive Testing.
Unit 6767 Only

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MECHANICAL DEPARTMENT

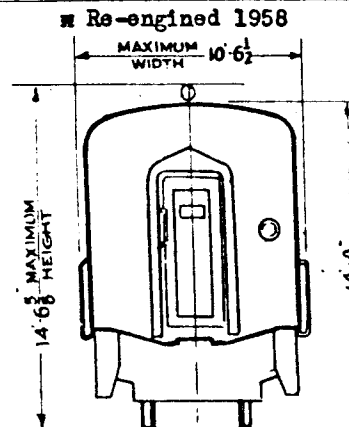
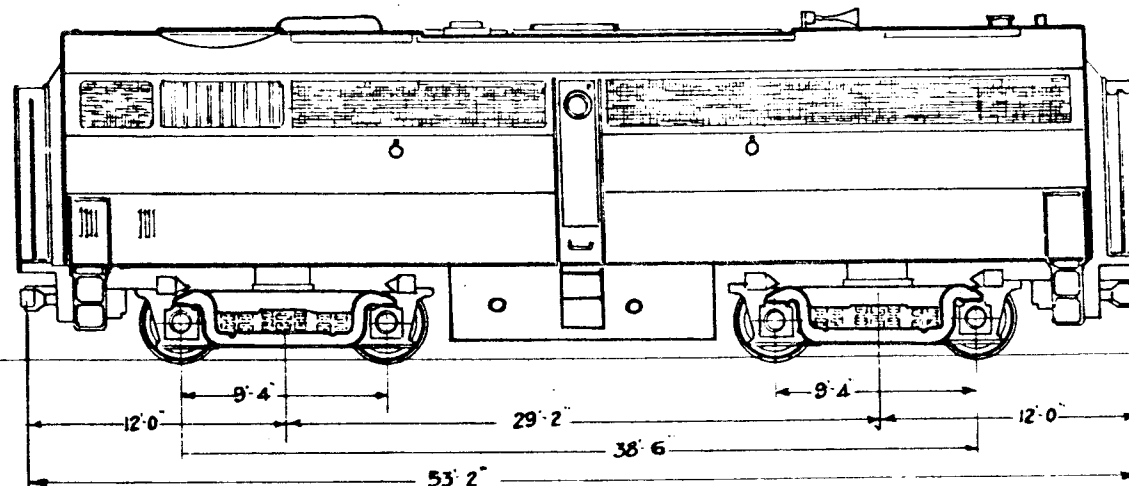
DIESEL UNIT DATA BOOK

MPB-18c ⁶⁸⁵⁸
CLASS ₄₈₅₉ NUMBERS

DIESEL ENGINE: 1800 H.P.
Also 251-B V-type
12 Cylinder, 9" bore, 10¹/₂" stroke
1000 R.P.M. Full Speed
400 " Idle "

		WEIGHT DISTRIBUTION					BUILDER	
		FR. MIN	REAR MIN.	TOTAL	FR. MAX.	REAR MAX.	TOTAL	M.L.W.
LIGHT								ORDER N ^o 4504
LOADED						258,000		MODEL N ^o FPB-2
								DATE BUILT 1955

■ Formerly 6851 and 6855



CAPACITIES	
ENG. COOLING WATER	208 IMP. GAL.
LUBRICATING OIL	167 IMP. GAL.
FUEL OIL	1000 IMP. GAL.
SAND STORAGE	22 CU. FT.
STEAM GEN. WATER	1550 IMP. GAL.

WHEELS: TYPE & CLASS A-40 "C"
JOURNALS: TYPE & SIZE Timken 6 ¹ / ₂ " x 12"

STEAM GENERATOR Two Vapor OK-4625
AIR COMPRESSOR Westinghouse 3 CDC

ELECTRICAL EQUIPMENT	
TRACTION MOTORS FOUR G.E. 752	AUXILIARY GEN: TYPE & N ^o G.E. GY-27
T.M. BLOWER MOTORS	ALTERNATOR: TYPE & N ^o

OPERATING FEATURES	
MAX. SPEED	92 M.P.H.
GEAR RATIO	62 : 21
T.E. STARTING	
T.E. CONTINUOUS	38,000 lbs.
OPER. CURVE ALONE: 21° COUPLED	

TRUCKS Heavy Swing Bolster Model MT-50662

COOLING FANS One Mechanical Drive
AIR BRAKE Westinghouse 24 K

G.E. GY-29	M.U. CONTROL Yes
MAIN GENERATOR G.E. GT-581	DYNAMIC BRAKE No

DEC 31 1974

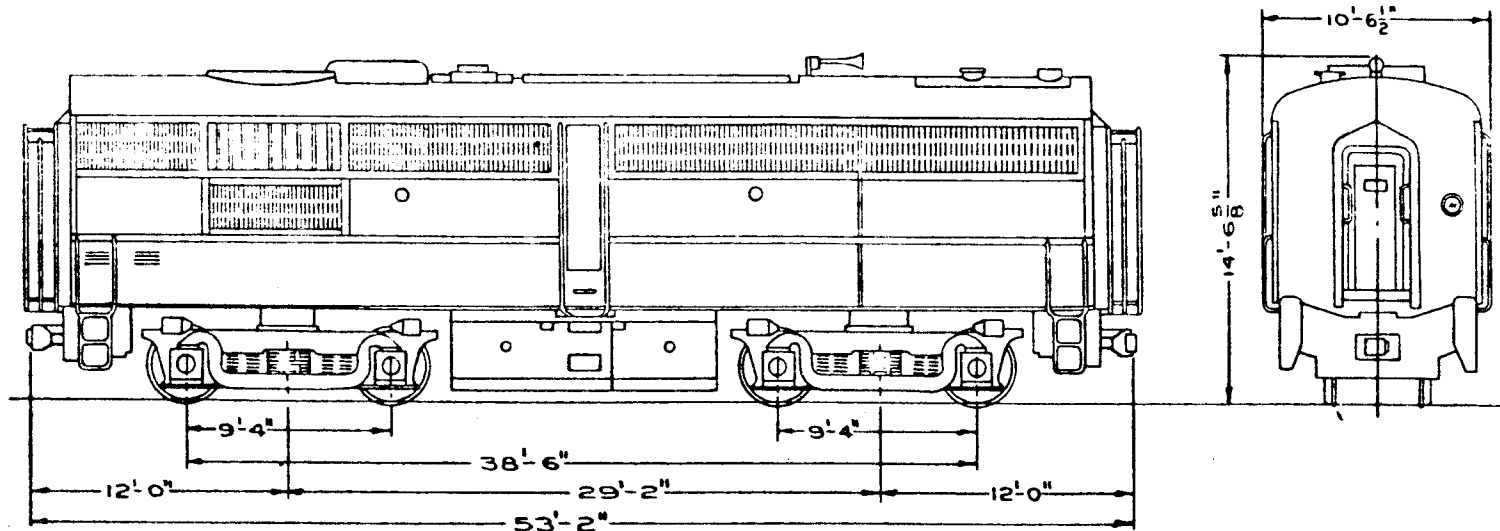
Fully Automatic Transition	Four-Speed Solenoid Governor Control	Steam Generator	Auxiliary Generator Trainline	Air Signal Line	
Thru Steam Trainline	Elect. Pneumatic and Auto-Sanding Feature				

MECHANICAL DEPARTMENT

DIESEL UNIT DATA BOOK

MPB-18a To 6860
CLASS NUMBERS

DIESEL ENGINE : 1800 H.P. A100 251-B V-type 12 cylinder, 9" bore, 10½" stroke 1000 R.P.M. Full speed 400 R.P.M. Idling "	WEIGHT DISTRIBUTION						BUILDER	M.L.F.
	FR. MIN	REAR MIN.	TOTAL	FR. MAX.	REAR MAX.	TOTAL	ORDER N ^o	SO. 1506
	LIGHT						MODEL N ^o	FPB-4
	LOADED					258,000	DATE BUILT	1958



CAPACITIES		WHEELS : TYPE & CLASS	STEAM GENERATOR	ELECTRICAL EQUIPMENT	
ENG. COOLING WATER	183 IMP. GAL.	A-40 "C"	TWO Vapor OK-1625	TRACTION MOTORS	AUXILIARY GEN: TYPE & N ^o
LUBRICATING OIL	166 IMP. GAL.			FOUR	C.G.E. GY-27
FUEL OIL	1000 IMP. GAL.	JOURNALS: TYPE & SIZE	AIR COMPRESSOR	G.E. 752	ALTERNATOR : TYPE & N ^o
SAND STORAGE	22 CU. FT.	S.K.F. 6½" x 12"	Westinghouse 3 CDC	T.M. BLOWER	GTA 6 PAI
STEAM GEN. WATER	1550 IMP. GAL.			TWO	M.U. CONTROL
OPERATING FEATURES		TRUCKS	COOLING FANS	Sturtevant	Yes
MAX. SPEED	92 M.P.H.	Heavy Swing Bolster	One Koppers	Mechanical Drive	
GEAR RATIO	62 : 21	Model MT-5088	Right Angle Drive	MAIN GENERATOR	DYNAMIC BRAKE
T.E. STARTING			AIR BRAKE	CGE G.T. 581	No
T.E. CONTINUOUS	38,000 lbs.		Westinghouse 24 RL		
OPER. CURVE ALONE: 21°	COUPLED: 21°				

Fully Automatic Transition	Four-Speed Solenoid Governor Control	Steam Generator	Auxiliary Generator Trainline	Air Signal Line	
Thru Steam Trainline	Elect. Pneumatic and Auto-Sanding Feature				

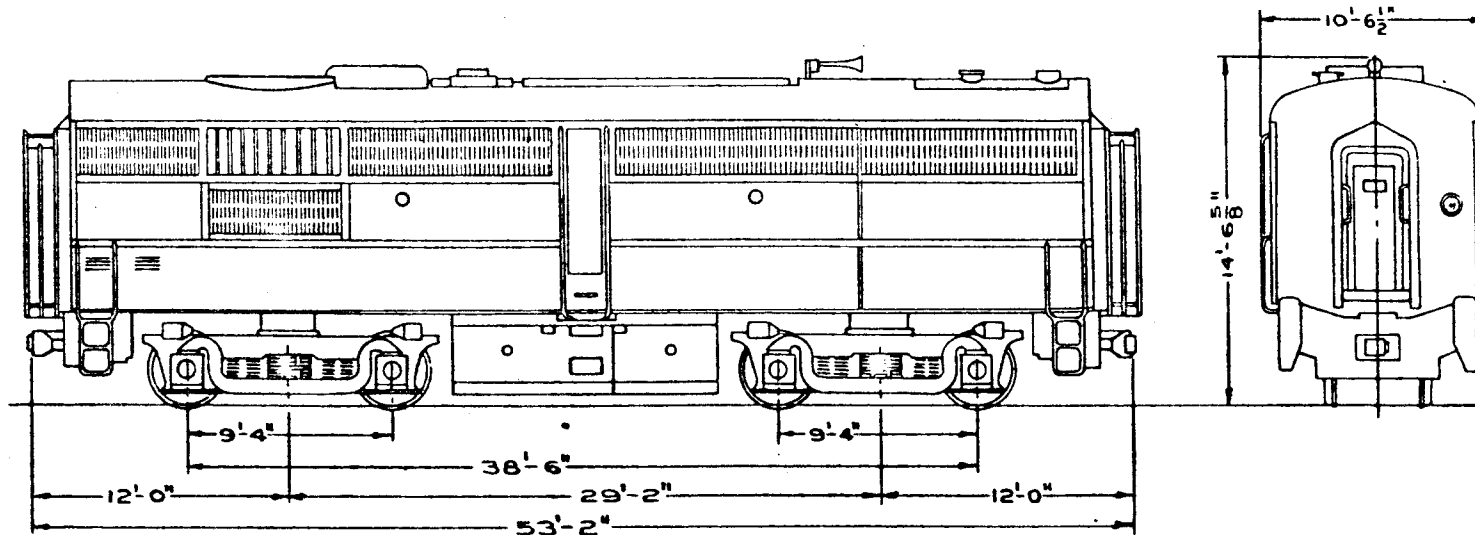
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MECHANICAL DEPARTMENT

DIESEL UNIT DATA BOOK

6867
MPB-186 To 6871
CLASS NUMBERS

DIESEL ENGINE: 1800 H.P. Alco D.E.W. 251-B V-type 12 cylinder, 9" bore, 10 $\frac{1}{2}$ " stroke 1000 R.P.M. Full speed 400 R.P.M. Idling "	WEIGHT DISTRIBUTION						BUILDER	M.L.W.	
		FR. MIN	REAR MIN.	TOTAL	FR. MAX.	REAR MAX.	TOTAL	ORDER N ^o	4506
	LIGHT							MODEL N ^o	FPB-4
	LOADED						258,000	DATE BUILT	1959



CAPACITIES		WHEELS: TYPE & CLASS A-40 "C"	STEAM GENERATOR	ELECTRICAL EQUIPMENT		
ENG. COOLING WATER	183 IMP. GAL.		Two Vapor OK-4625	TRACTION MOTORS	AUXILIARY GEN: TYPE & N ^o	
LUBRICATING OIL	166 IMP. GAL.	JOURNALS: TYPE & SIZE SKP 6 $\frac{1}{2}$ " x 12"	AIR COMPRESSOR	FOUR	C.G.E. GY-27	
FUEL OIL	1000 IMP. GAL.		Westinghouse 3 CDC	G.3. 752	ALTERNATOR: TYPE & N ^o	
SAND STORAGE	22 CU. FT.	TRUCKS Heavy Swing Bolster Model MT-5088	COOLING FANS	T.M. BLOWER	M.U. CONTROL Yes	
STEAM GEN. WATER	1550 IMP. GAL.		One Koppers Mechanical Drive	TWO Starveant Mechanical Drive		MAIN GENERATOR
OPERATING FEATURES		AIR BRAKE Westinghouse 24 RL	AIR BRAKE Westinghouse 24 RL	C.G.E. GT-581	DYNAMIC BRAKE	
MAX. SPEED	92 M.P.H.			OPER. CURVE ALONE: 21 ^o COUPLED: 21 ^o		NO
GEAR RATIO	62 : 21					
T.E. STARTING						

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Fully Automatic Transition	Four-Speed Solenoid Governor Control	Steam Generator	auxiliary Generator Trainline	Air Signal Line	
Thru Steam Train-line	Elect.Pneumatic and auto-Sanding Feature				

MECHANICAL DEPARTMENT

DIESEL UNIT DATA BOOK

GS-12a

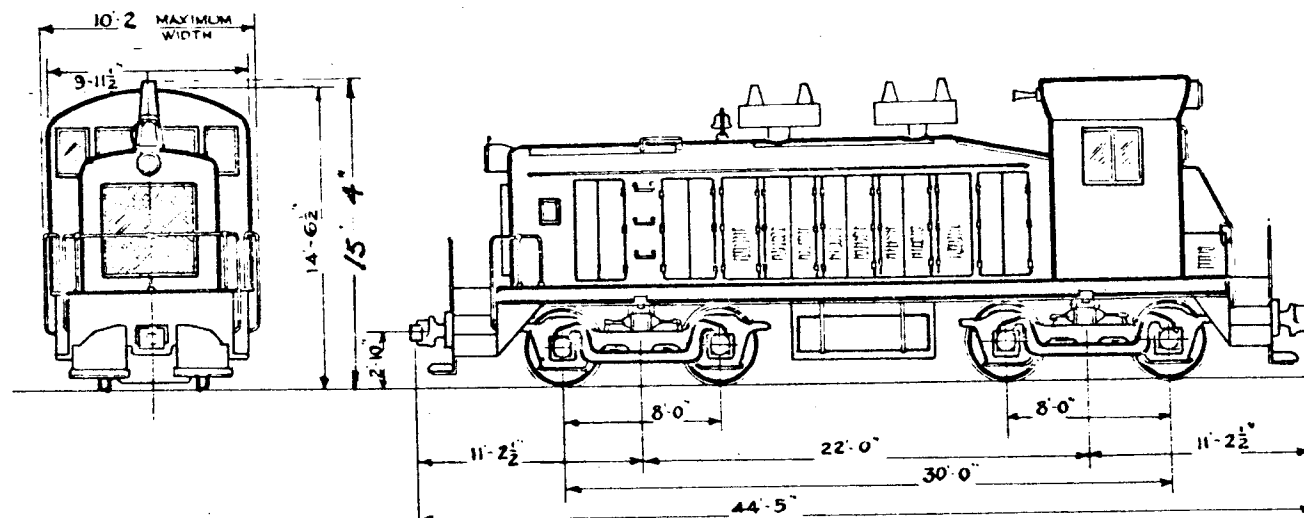
7000
7009

CLASS

NUMBERS

DIESEL ENGINE: 1200 H.P.
E.M.D. 567 B V-type
12 cylinder, 8 1/2" bore, 10" stroke,
800 R.P.M. Full speed
275 R.P.M. Idling "

		WEIGHT DISTRIBUTION					BUILDER	
		FR. MIN	REAR MIN.	TOTAL	FR. MAX.	REAR MAX.	TOTAL	G.M.D.
LIGHT								ORDER N ^o C-13B
LOADED						247,000		MODEL N ^o 574-9
								DATE BUILT 1952



CAPACITIES			WHEELS: TYPE & CLASS		STEAM GENERATOR		ELECTRICAL EQUIPMENT	
ENG. COOLING WATER	185	IMP. GAL.	A-40	"C"	None		TRACTION MOTORS	AUXILIARY GEN: TYPE & N ^o
LUBRICATING OIL	138	IMP. GAL.	JOURNALS: TYPE & SIZE		AIR COMPRESSOR		FOUR	DELCO 10 K.V.
FUEL OIL	500	IMP. GAL.	Friction 6 1/2" x 12"		Gardner Denver WXO		E.M.D. D-27B	ALTERNATOR: TYPE & N ^o
SAND STORAGE	28	CU. FT.	TRUCKS		COOLING FANS		T.M. BLOWER	None
STEAM GEN. WATER	-	IMP. GAL.	AAR Type A		One Mechanical Drive		NO Mechanical Drive	M.U. CONTROL
OPERATING FEATURES					AIR BRAKE		MAIN GENERATOR	No
MAX. SPEED	40	M.P.H.			Westinghouse 6-SI		E.M.D. D-15c	DYNAMIC BRAKE
GEAR RATIO	62 : 15							No
T.E. STARTING								
T.E. CONTINUOUS	36,000 lbs.							
OPER. CURVE ALONE: 57°	COUPLED:							

					Air Signal Line Excluding Units 7000, 7001, 7003, 7004
					Combination Pilot and Footboard Units 7000 and 7005 Only

DEC 31 1974

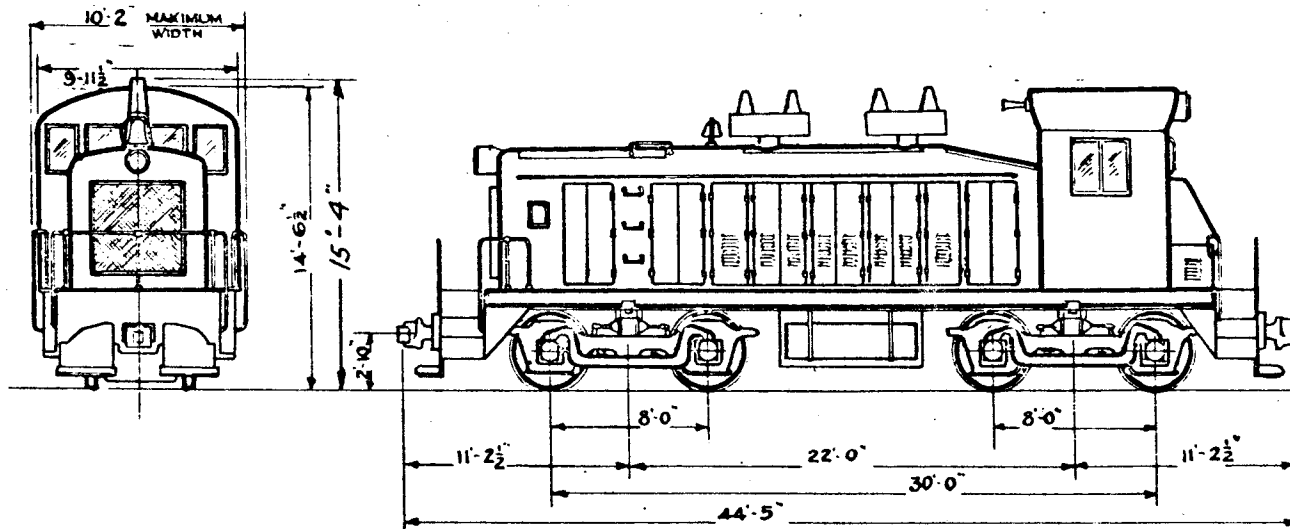
MECHANICAL DEPARTMENT

DIESEL UNIT DATA BOOK

GS-126 ^{GTW 7010} To 7014
 CLASS NUMBERS

DIESEL ENGINE: 1200 H.P.
 E.M.D. 567-B V-type
 12 cylinder, 8½" bore, 10" stroke,
 800 R.P.M. Full speed
 275 R.P.M. Idling "

WEIGHT DISTRIBUTION							BUILDER	E.M.D.
	FR. MIN	REAR MIN.	TOTAL	FR. MAX.	REAR MAX.	TOTAL	ORDER N ^o	4045
LIGHT							MODEL N ^o	SW-9
LOADED						246,900	DATE BUILT	1952



CAPACITIES		WHEELS: TYPE & CLASS	STEAM GENERATOR	ELECTRICAL EQUIPMENT	
ENG. COOLING WATER	185 IMP. GAL.	A-40 "C"	None	TRACTION MOTORS	AUXILIARY GEN: TYPE & N ^o
LUBRICATING OIL	138 IMP. GAL.			FOUR	Delco 10 K.W.
FUEL OIL	500 IMP. GAL.	JOURNALS: TYPE & SIZE	AIR COMPRESSOR	E.M.D. D-27B	ALTERNATOR: TYPE & N ^o
SAND STORAGE	28 CU. FT.	Friction 6½" x 12"	Gardner Denver REXO	T.M. BLOWER	None
STEAM GEN. WATER	- IMP. GAL.			T.M. Mechanical Drive	M.U. CONTROL
OPERATING FEATURES		TRUCKS	COOLING FANS	MAIN GENERATOR	DYNAMIC BRAKE
MAX. SPEED	40 M.P.H.	AAR Type A	One Mechanical Drive	E.M.D. D-15-C	No
GEAR RATIO	62 : 15				
T.E. STARTING			AIR BRAKE		
T.E. CONTINUOUS	36,000 lbs.		Westinghouse 6-SL		
OPER. CURVE ALONE: 57°	COUPLED:				

					Air Signal Line
					Unit 7014 Only

DEC 31 1974

MECHANICAL DEPARTMENT

DIESEL UNIT DATA BOOK

GS12 c

GTW
7015-16

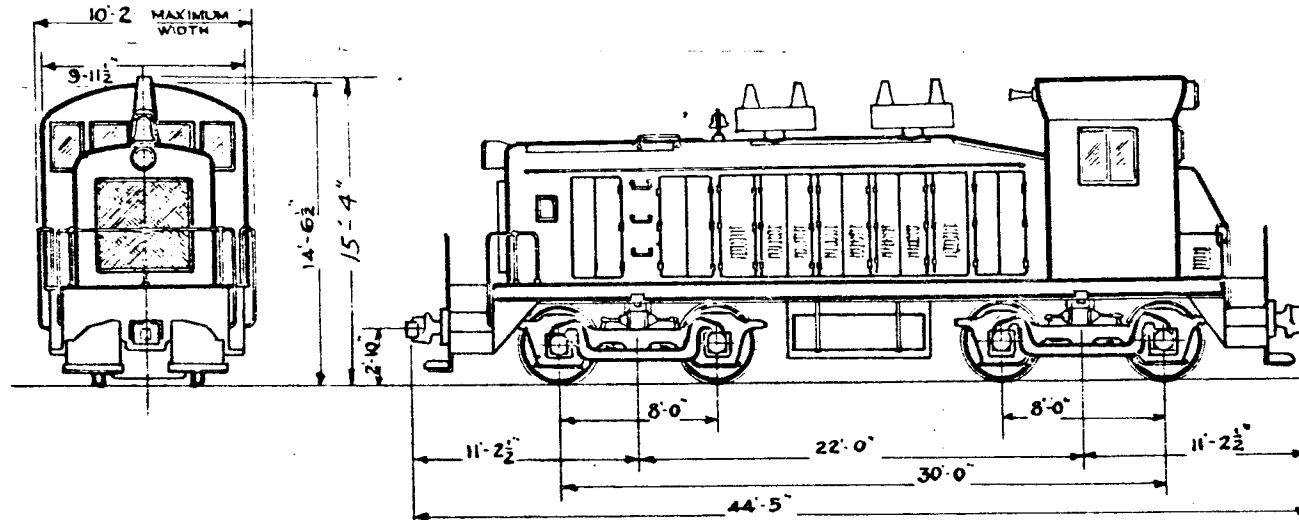
CLASS

NUMBERS

DIESEL ENGINE: 1200 H.P.
E.M.D. 567-B V-type
12 cylinder, 8½" bore, 10" stroke
800 R.P.M. full speed
275 R.P.M. idling "

WEIGHT	BUILDER	G.M.C.
	ORDER N ^o	4178
LIGHT	MODEL N ^o	SW-9
LOADED	DATE BUILT	1953

RETIRED



CAPACITIES		WHEELS: TYPE & CLASS	STEAM GENERATOR	ELECTRICAL EQUIPMENT	
ENG. COOLING WATER	185 IMP. GAL.	A-40 "C"		TRACTION MOTORS	AUXILIARY GEN: TYPE & N ^o
LUBRICATING OIL	138 IMP. GAL.			FOUR E.M.D. D27B	DELCO 10 K.W.
FUEL OIL	500 IMP. GAL.	JOURNALS: TYPE & SIZE	AIR COMPRESSOR		ALTERNATOR: TYPE & N ^o
SAND STORAGE	28 CU. FT.	Friction 6½" x 12"	Gardner Denver WX0	T.M. BLOWER MOTORS	None
STEAM GEN. WATER	- IMP. GAL.			Two Mechanical Drive	M.U. CONTROL
OPERATING FEATURES		TRUCKS	COOLING FANS		No
MAX. SPEED	40 M.P.H.	AAR Type A	One Mechanical Drive	MAIN GENERATOR	DYNAMIC BRAKE
GEAR RATIO	62:15			E.M.D. D-15.C	No
T.E. STARTING			AIR BRAKE		
T.E. CONTINUOUS	36,000 lbs.		Westinghouse 6 SL		
OPER. CURVE ALONE: 570	COUPLED:				

Air Signal Line
Unit 7016 Only

DEC 31 1974

MECHANICAL DEPARTMENT

DIESEL UNIT DATA BOOK

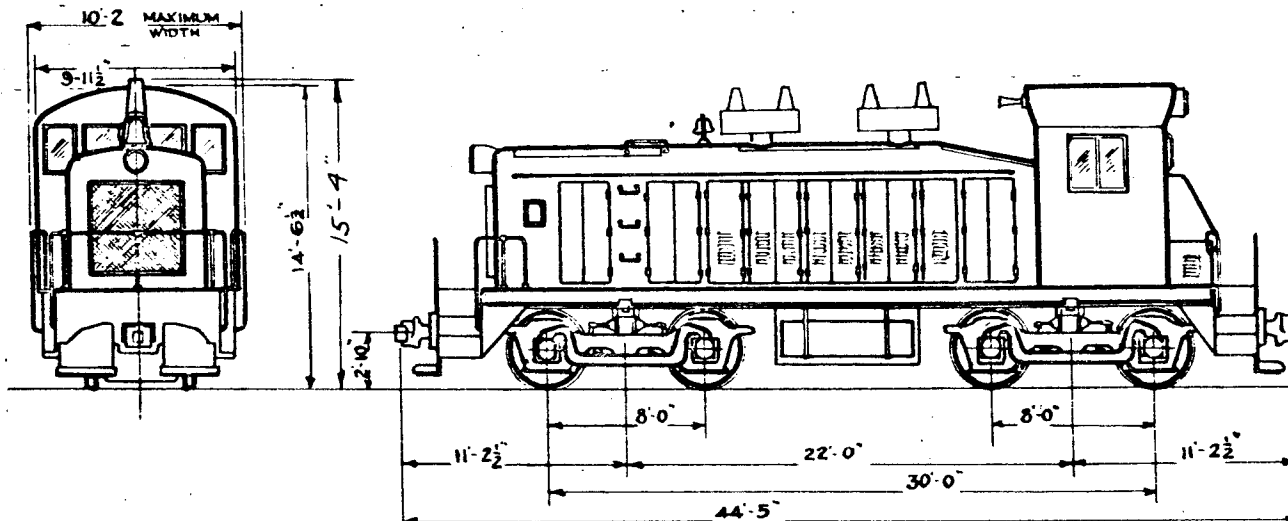
GS 12d

GTW7017-19

CLASS NUMBERS

DIESEL ENGINE: 1200 H.P.
E.M.D. 567-B V-type
12 cylinder, 8½" bore, 10" stroke,
800 R.P.M. full speed
275 R.P.M. idling "

WEIGHT	BUILDER	G.M.C.
	ORDER N ^o	4300
LIGHT	MODEL N ^o	SW-9
LOADED	DATE BUILT	1955
246,540		



RETIRED

CAPACITIES		WHEELS : TYPE & CLASS	STEAM GENERATOR	ELECTRICAL EQUIPMENT
ENG. COOLING WATER	185 IMP. GAL.	A-40 "C"	None	TRACTION MOTORS
LUBRICATING OIL	138 IMP. GAL.	JOURNALS: TYPE & SIZE	AIR COMPRESSOR	AUXILIARY GEN: TYPE & N ^o
FUEL OIL	500 IMP. GAL.	Friction 6½" x 12"	Gardner Denver WX0	FOUR EMD D-37
SAND STORAGE	28 CU. FT.	TRUCKS	COOLING FANS	T.M. BLOWER MOTORS
STEAM GEN. WATER	- IMP. GAL.	AAR Type A	One Mechanical Drive	Two Mechanical Drive
OPERATING FEATURES			AIR BRAKE	MAIN GENERATOR
MAX. SPEED	40 M.P.H.		Westinghouse 6SL	E.M.D. D-15C
GEAR RATIO	62:15			
T.E. STARTING				
T.E. CONTINUOUS	36,000 lbs.			
OPER. CURVE ALONE: 57 ⁰	COUPLED:			

Air Signal Line
Unit 7019 Only

DEC 31 1974

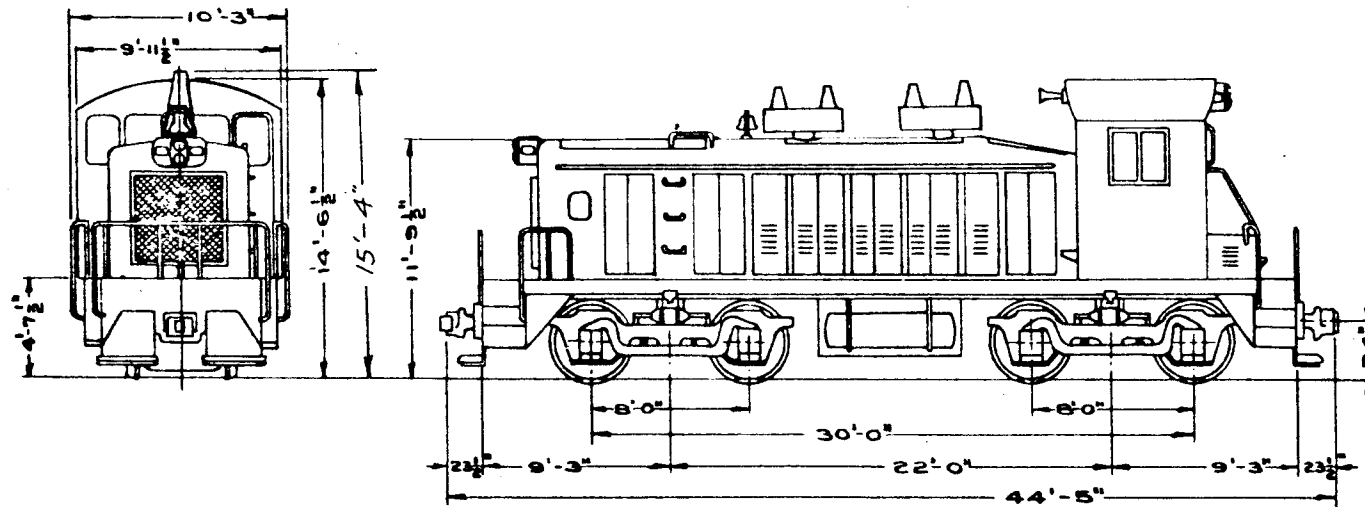
MECHANICAL DEPARTMENT

DIESEL UNIT DATA BOOK **GS12 e** **7020 - 7030**

CLASS NUMBERS

DIESEL ENGINE : 1200 H.P.
 G.M. 567-C V-type
 12 cylinder, 8½" bore, 10" stroke,
 800 R.P.M. Full speed
 275 R.P.M. Idling "

WEIGHT	BUILDER	G.M.
	ORDER N ^o	C-201
LIGHT	MODEL N ^o	SW-1200
LOADED	DATE BUILT	1956



RETIRED

CAPACITIES		WHEELS : TYPE & CLASS	STEAM GENERATOR	ELECTRICAL EQUIPMENT	
ENG. COOLING WATER	185 IMP. GAL.	A-40 "C"	None	TRACTION MOTORS	AUXILIARY GEN: TYPE & N ^o
LUBRICATING OIL	137 IMP. GAL.	JOURNALS: TYPE & SIZE	AIR COMPRESSOR	Four G.M. D-37	G.M. A-8102-A1
FUEL OIL	500 IMP. GAL.				Friction 6½" x 12"
SAND STORAGE	24 CU. FT.	TRUCKS	COOLING FANS	T.M. BLOWER MOTORS	ALTERNATOR : TYPE & N ^o
STEAM GEN. WATER	- IMP. GAL.			AAR Type A	One Mechanical Drive
OPERATING FEATURES		AIR BRAKE	Westinghouse 6-SL	MAIN GENERATOR	M.U. CONTROL
MAX. SPEED	40 M.P.H.			G.M. D-15-C	No
GEAR RATIO	62:15			DYNAMIC BRAKE	No
T.E. STARTING					
T.E. CONTINUOUS	36,000 lbs.				
OPER. CURVE ALONE	570				
COUPLED	380				

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		Air Signal Line Excluding Units 7024 and 7030	Standby Heater Units 7023 and 7024 only	Combination Pilot & Foot board Units 7020, 7021 and 7022 Only

MECHANICAL DEPARTMENT

DIESEL UNIT DATA BOOK

GS 12 f

7031-7033

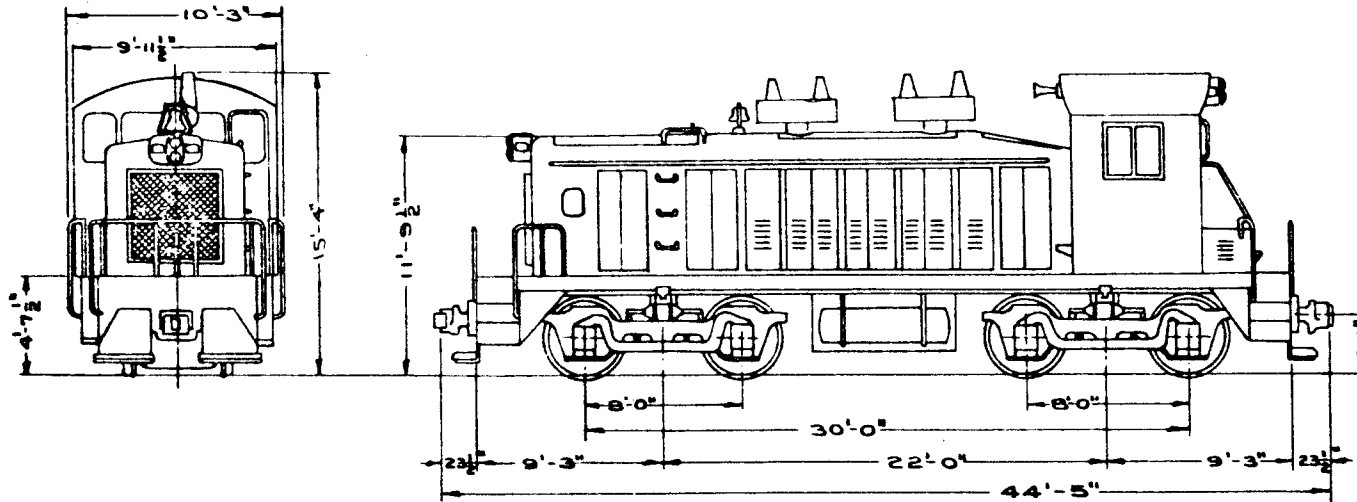
CLASS

NUMBERS

DIESEL ENGINE: 1200 H.P.
 G.M. 567 C V-type
 12 cylinder, 8½" bore, 10" stroke,
 800 R.P.M. Full speed
 275 R.P.M. Idling "

WEIGHT	BUILDER	G.M.
	ORDER N ^o	C-216
LIGHT	MODEL N ^o	SW-1200
LOADED	DATE BUILT	1957
TOTAL		
246,000		

RETIRED



CAPACITIES		WHEELS: TYPE & CLASS	STEAM GENERATOR	ELECTRICAL EQUIPMENT
ENG. COOLING WATER	185 IMP. GAL.	A-40 "C"	None	TRACTION MOTORS
LUBRICATING OIL	137 IMP. GAL.			AUXILIARY GEN: TYPE & N ^o
FUEL OIL	500 IMP. GAL.	JOURNALS: TYPE & SIZE	AIR COMPRESSOR	G.M. A-8102-A1 18 K.W.
SAND STORAGE	24 CU. FT.	Friction 6½" x 12"	Gardner Denver WXO	ALTERNATOR: TYPE & N ^o
STEAM GEN. WATER	- IMP. GAL.			T.M. BLOWER MOTORS
		TRUCKS	COOLING FANS	None
OPERATING FEATURES		AAR Type A	One Mechanical Drive	Two Mechanical Drive
MAX. SPEED	40 M.P.H.			MAIN GENERATOR
GEAR RATIO	62 : 15			G.M. D-15C
T.E. STARTING			AIR BRAKE	
T.E. CONTINUOUS	36,000 lbs.		Westinghouse 6-SL	
OPER. CURVE ALONE: 579	COUPLED: 380			DYNAMIC BRAKE
				No

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MECHANICAL DEPARTMENT

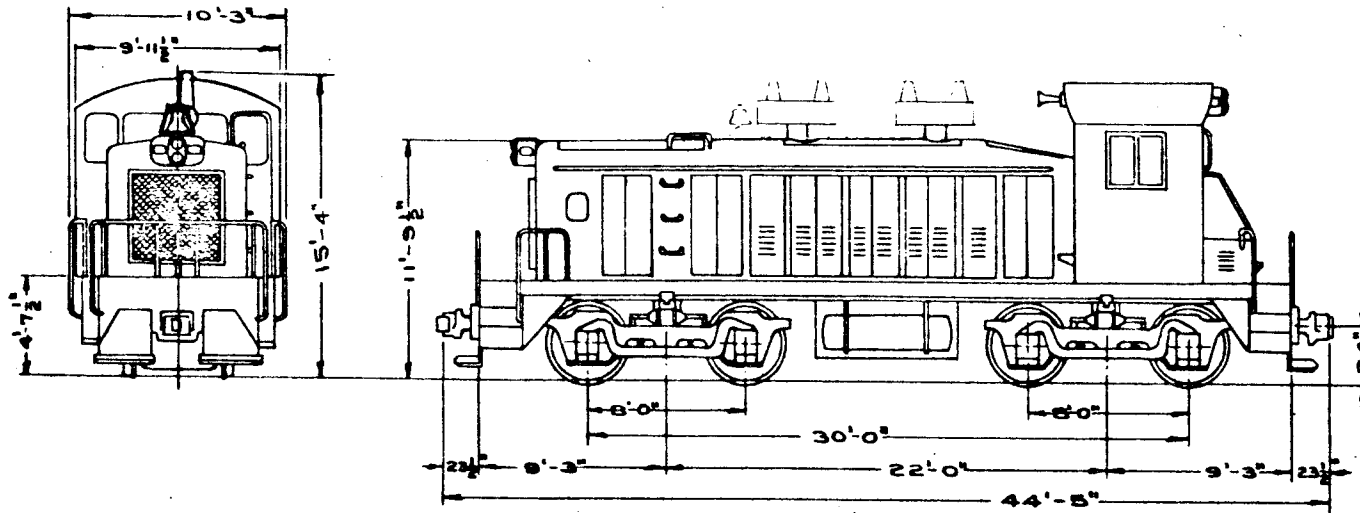
DIESEL UNIT DATA BOOK **GS 12 g**

7034-7035

CLASS NUMBERS

DIESEL ENGINE: 1200 H.P.
 G.M. 567-C V-type
 12 cylinder, 8½" bore, 10" stroke
 800 R.P.M. Full speed
 275 R.P.M. Idling "

WEIGHT	BUILDER	G.M.D.
	ORDER N ^o	C-265
LIGHT	MODEL N ^o	SW-1200
LOADED	DATE BUILT	1959



RETIRED

CAPACITIES		WHEELS: TYPE & CLASS	STEAM GENERATOR	ELECTRICAL EQUIPMENT
ENG. COOLING WATER	158 IMP. GAL.	A-40 "C"	None	TRACTION MOTORS
LUBRICATING OIL	108 IMP. GAL.	JOURNALS: TYPE & SIZE Friction 6½" x 12"	AIR COMPRESSOR Gardner Denver WBO	AUXILIARY GEN: TYPE & N ^o G.M. A-8102-A1 18 K.W.
FUEL OIL	500 IMP. GAL.			ALTERNATOR: TYPE & N ^o
SAND STORAGE	24 CU. FT.	TRUCKS AAR Type A	COOLING FANS One Mechanical Drive	None
STEAM GEN. WATER	- IMP. GAL.			AIR BRAKE Westinghouse 26-L
OPERATING FEATURES				MAIN GENERATOR G.M. D-15-C
MAX. SPEED	40 M.P.H.			DYNAMIC BRAKE No
GEAR RATIO	62 : 15			
T.E. STARTING				
T.E. CONTINUOUS	36,000			
OPER. CURVE ALONE: 570	COUPLED: 380			

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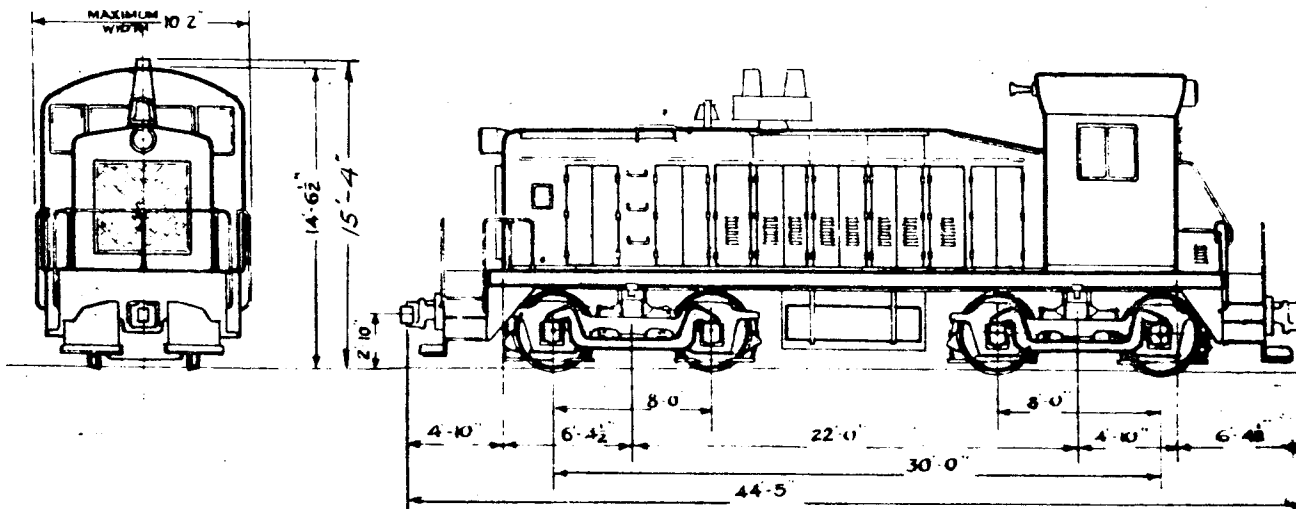
MECHANICAL DEPARTMENT

DIESEL UNIT DATA BOOK GS 8 a 7150 - 7171

CLASS NUMBERS

DIESEL ENGINE : 800 H.P.
G.M.D. 567-B V-type
8 cylinder, 8½" bore, 10" stroke
800 R.P.M. Full speed
275 R.P.M. Idling "

WEIGHT	TOTAL	BUILDER	G.M.D.
		ORDER N ^o	C-112
LIGHT		MODEL N ^o	SW-8
LOADED	232,000	DATE BUILT	1951



RETIRED

CAPACITIES		WHEELS : TYPE & CLASS	STEAM GENERATOR	ELECTRICAL EQUIPMENT
ENG. COOLING WATER	158 IMP. GAL.	A-40 "C"	None	TRACTION MOTORS
LUBRICATING OIL	108 IMP. GAL.	JOURNALS: TYPE & SIZE	AIR COMPRESSOR	AUXILIARY GEN: TYPE & N ^o
FUEL OIL	500 IMP. GAL.	Friction 6½" x 12"	Gardner Denver WXO	FOUR GM D-27-B
SAND STORAGE	28 CU. FT.	TRUCKS	COOLING FANS	T.M. BLOWER MOTORS
STEAM GEN. WATER	- IMP. GAL.	AAR Type A	One Mechanical Drive	Two Mechanical Drive
OPERATING FEATURES			AIR BRAKE	MAIN GENERATOR
MAX. SPEED	40 M.P.H.		Westinghouse 6 SL	G.M.D. D15C
GEAR RATIO	62 : 15			
T.E. STARTING				
T.E. CONTINUOUS	36,000 lbs.			
OPER. CURVE ALONE:	57 COUPLED:			

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				Combination Pilot & Footboard Units 7157, 7159 to 7162, 7164, 7165, 7169 and 7170 only.

MECHANICAL DEPARTMENT

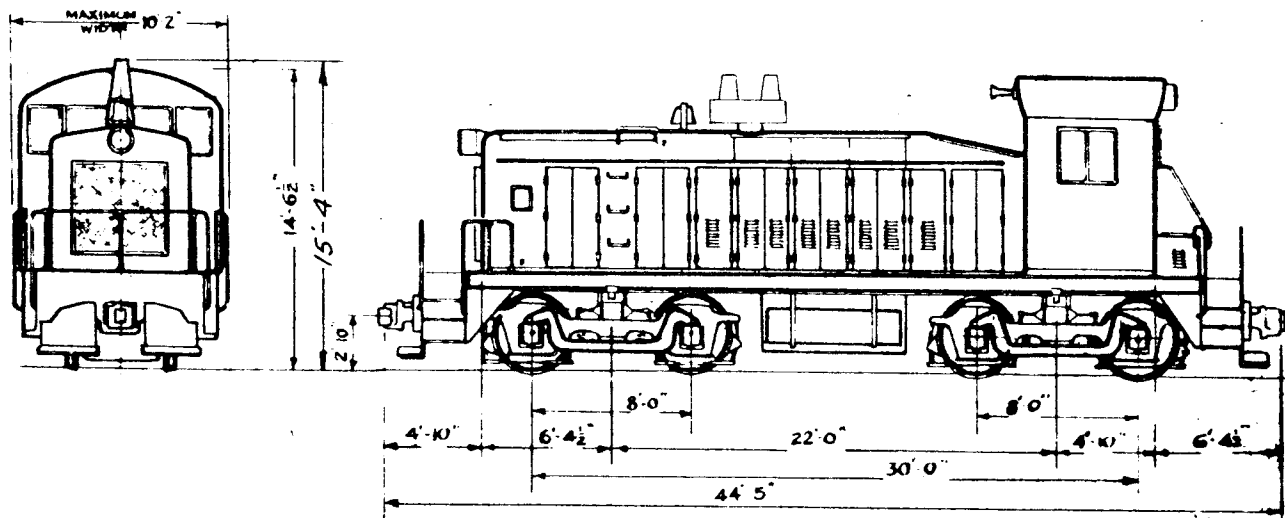
DIESEL UNIT DATA BOOK **GS 8 b**

7172-7183

CLASS NUMBERS

DIESEL ENGINE : 800 H.P.
 G.M.D. 567-B V-type
 8 cylinder, 8½" bore, 10" stroke,
 800 R.P.M. Full speed
 275 R.P.M. Idling "

WEIGHT	BUILDER	G.M.D.
	ORDER N ^o	C-125
LIGHT	MODEL N ^o	SW-8
LOADED	DATE BUILT	1951



RETIRED

CAPACITIES		WHEELS : TYPE & CLASS	STEAM GENERATOR	ELECTRICAL EQUIPMENT	
ENG. COOLING WATER	158 IMP. GAL.	A-40 "C"	None	TRACTION MOTORS	AUXILIARY GEN: TYPE & N ^o
LUBRICATING OIL	108 IMP. GAL.	JOURNALS: TYPE & SIZE Friction 6½" x 12"	AIR COMPRESSOR Gardner Denver WX0	GMD D27B	Delco 10 K.W. A7159
FUEL OIL	500 IMP. GAL.			T.M. BLOWER MOTORS	None
SAND STORAGE	28 CU. FT.	TRUCKS AAR Type A	COOLING FANS One Mechanical Drive	TWO Mechanical Drive	M.U. CONTROL
STEAM GEN. WATER	- IMP. GAL.			AIR BRAKE Westinghouse 6 SL	MAIN GENERATOR G.M.D. D15C
OPERATING FEATURES					DYNAMIC BRAKE
MAX. SPEED	40 M.P.H.			No	
GEAR RATIO	62:15				
T.E. STARTING					
T.E. CONTINUOUS	36,000 lbs.				
OPER. CURVE ALONE: 570	COUPLED:				

		Air Signal Line Unit 7175 Only	Standby Heater Units 7174 and 7175 Only	Combination Pilot and Footboard Excluding Units 7173, 7179 and 7182

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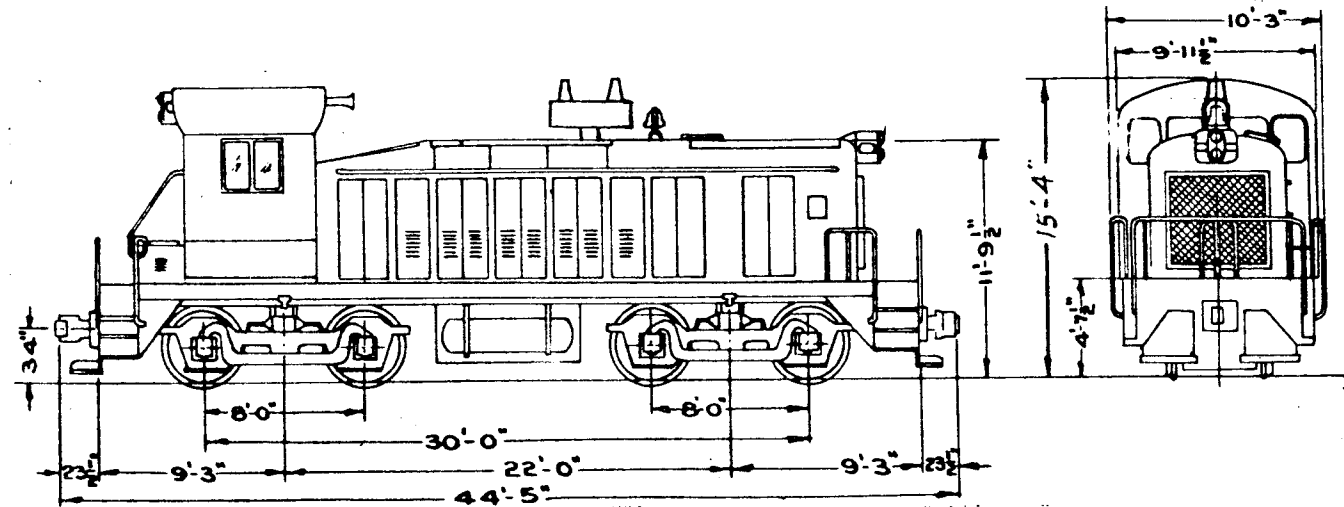
MECHANICAL DEPARTMENT

DIESEL UNIT DATA BOOK

GS-9a To 7200
CLASS NUMBERS
7224

DIESEL ENGINE: 900 H.P.
G.M.D. 567-C V-type
8 cylinder, 8 1/2" bore, 10" stroke
835 R.P.M. Full speed
275 R.P.M. Idling "

WEIGHT DISTRIBUTION		BUILDER	G.M.D.
FR. MIN	REAR MIN.	ORDER N ^o	C-173
LIGHT		MODEL N ^o	SW-900
LOADED		DATE BUILT	1953-54



7200 to 7208 775 Gals.

CAPACITIES		WHEELS: TYPE & CLASS	STEAM GENERATOR	ELECTRICAL EQUIPMENT	
ENG. COOLING WATER	158 IMP. GAL.	A-40 "C"	None	TRACTION MOTORS	AUXILIARY GEN: TYPE & N ^o
LUBRICATING OIL	108 IMP. GAL.			Four GMD D27B	Delco 10 K.W. A-7159
FUEL OIL	500 IMP. GAL.	JOURNALS: TYPE & SIZE	AIR COMPRESSOR		ALTERNATOR: TYPE & N ^o
SAND STORAGE	28 CU. FT.	Friction 6 1/2" x 12"	Gardner Denver WKO	T.M. BLOWER	None
STEAM GEN. WATER	- IMP. GAL.			Two Mechanical Drive	M.U. CONTROL
OPERATING FEATURES		TRUCKS	COOLING FANS	MAIN GENERATOR	DYNAMIC BRAKE
MAX. SPEED	40 M.P.H.	AAR Type A	One Mechanical Drive	G.M.D. D15C	None
GEAR RATIO	62 : 15				
T.E. STARTING			AIR BRAKE		
T.E. CONTINUOUS	36,000 lbs.		Westinghouse 6 SL		
OPER. CURVE ALONE: 57°	COUPLED:				

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	Air Signal Line. Unit 7221 Only.	Combination Pilot and Footboard. Units 7203, 7212 and 7215 Only.	Snowplow Electrical Connection. Unit 7204 Only.	
	Low M.P.H. Control Units 7217 to 7219, 7222 and 7223 Only.			

MECHANICAL DEPARTMENT

DIESEL UNIT DATA BOOK

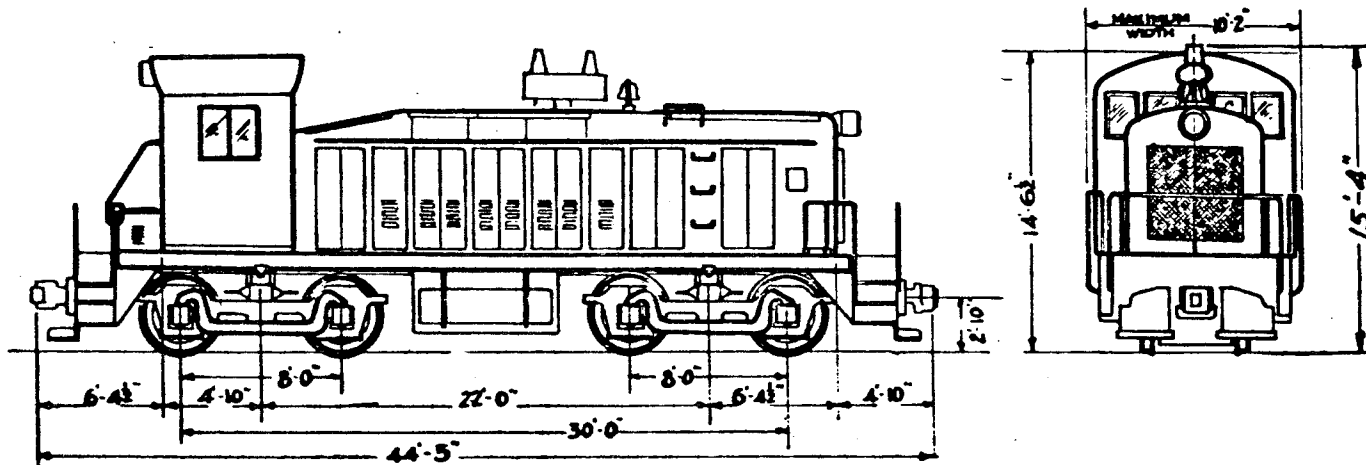
GS-9-b
CLASS

GTW 7225
TD 7232
NUMBERS

DIESEL ENGINE: 900 H.P.
E.M.D. 567C V-type
8 cylinder, 8 1/2" bore, 10" stroke,
836 R.P.M. Full speed
275 " Idling "

	WEIGHT			DISTRIBUTION		
	FR. MIN	REAR MIN.	TOTAL	FR. MAX.	REAR MAX.	TOTAL
LIGHT	111,720	119,810	223,070	113,290	112,170	224,610
LOADED	114,760	114,060	229,350	116,330	115,410	230,890

BUILDER	E.M.D.
ORDER N ^o	4577
MODEL N ^o	SW 900
DATE BUILT	1956



Retired
7230

CAPACITIES		
ENG. COOLING WATER	158	IMP. GAL.
LUBRICATING OIL	112	IMP. GAL.
FUEL OIL	500	IMP. GAL.
SAND STORAGE	22	CU. FT.
STEAM GEN. WATER	-	IMP. GAL.
OPERATING FEATURES		
MAX. SPEED	40	M.P.H.
GEAR RATIO	62 : 15	
T.E. STARTING		
T.E. CONTINUOUS	36,000 lbs.	
OPER. CURVE ALONE: 57°	COUPLED: 38°	

WHEELS: TYPE & CLASS	
A-40	"C"
JOURNALS: TYPE & SIZE	
Friction	6 1/2" x 12"
TRUCKS	
AAR Type A	

STEAM GENERATOR	
None	
AIR COMPRESSOR	
Gardner Denver WBO	
COOLING FANS	
One Mechanical Drive	
AIR BRAKE	
Westinghouse 6-BL	

ELECTRICAL EQUIPMENT	
TRACTION MOTORS FOUR E.M.D. D-37-B	AUXILIARY GEN: TYPE & N ^o Deleo 10 K.W.
T.M. BLOWER Two Mechanical Drive	ALTERNATOR: TYPE & N ^o None
MAIN GENERATOR E.M.D. D-15	M.U. CONTROL No
	DYNAMIC BRAKE No

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MECHANICAL DEPARTMENT

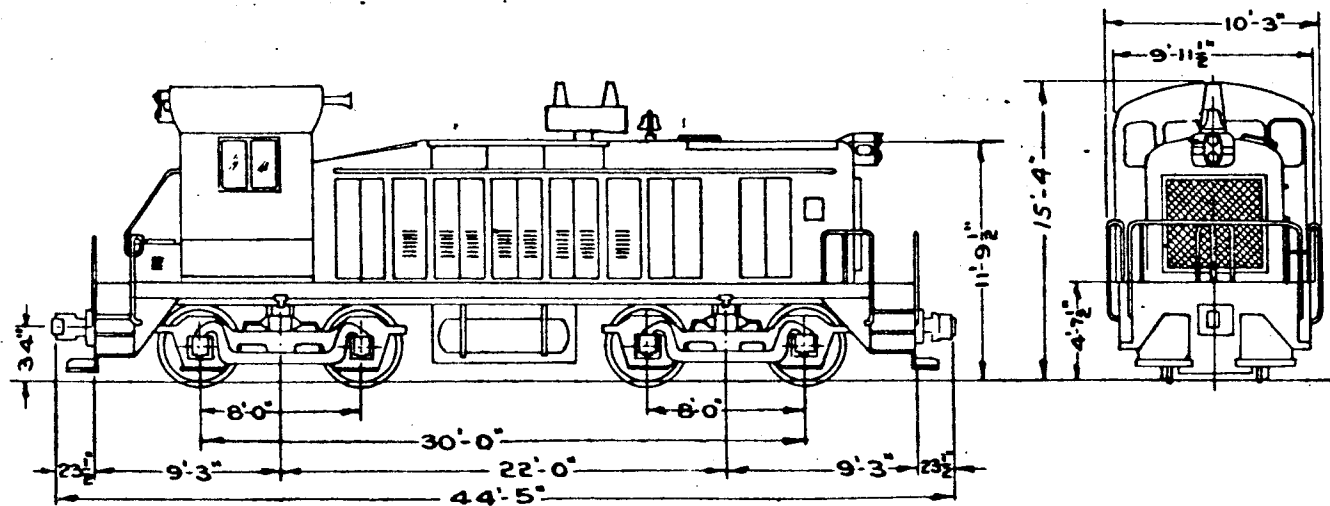
DIESEL UNIT DATA BOOK

GS-9c ⁷²³³
CLASS ⁷²⁴²
NUMBERS

DIESEL ENGINE: 900 H.P.
G.M. 567C V-type
8 cylinder, 8 1/2" bore, 10" stroke
835 R.P.M. full speed
275 R.P.M. Idling "

		WEIGHT			DISTRIBUTION		
		FR. MIN	REAR MIN.	TOTAL	FR. MAX.	REAR MAX.	TOTAL
LIGHT							
LOADED							232,000

BUILDER	G.M.
ORDER N ^o	C-229
MODEL N ^o	S.W. 900
DATE BUILT	1957



CAPACITIES	
ENG. COOLING WATER	158 IMP. GAL.
LUBRICATING OIL	108 IMP. GAL.
FUEL OIL	500 IMP. GAL.
SAND STORAGE	24 CU. FT.
STEAM GEN. WATER	- IMP. GAL.

WHEELS: TYPE & CLASS	STEAM GENERATOR
A-40 "C"	None
JOURNALS: TYPE & SIZE	AIR COMPRESSOR
Friction 6 1/2" x 12"	Gardner Denver WKO

TRUCKS	COOLING FANS
AAR Type A	One Mechanical Drive
	AIR BRAKE
	Westinghouse 6-SL

ELECTRICAL EQUIPMENT	
TRACTION MOTORS	AUXILIARY GEN: TYPE & N ^o
FOUR G.M. D-47B	G.M. A-8102-A1 18 K.W.
T.M. BLOWER	ALTERNATOR: TYPE & N ^o
Two Mechanical Drive	None
MAIN GENERATOR	M.U. CONTROL
G.M. D-15C	No
	DYNAMIC BRAKE
	No

OPERATING FEATURES	
MAX. SPEED	40 M.P.H.
GEAR RATIO	62 : 15
T.E. STARTING	
T.E. CONTINUOUS	36,000 lbs.
OPER. CURVE ALONE: 57°	COUPLED: 38°

				Air Signal Line Unit 7233 Only

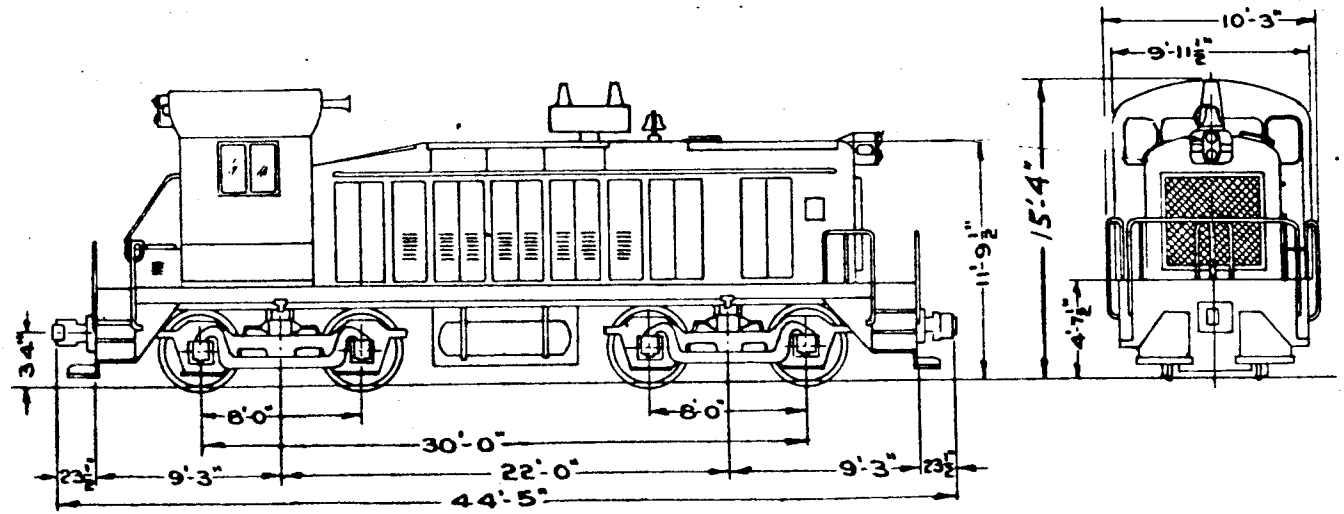
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MECHANICAL DEPARTMENT

DIESEL UNIT DATA BOOK

GS-9d To 7248
CLASS NUMBERS 7252

DIESEL ENGINE: 900 H.P. G.M. 567 C V-type 8 cylinder, 8½" bore, 10" stroke 835 R.P.M. full speed 275 R.P.M. Idling "	WEIGHT DISTRIBUTION						BUILDER	G.M.
	FR. MIN	REAR MIN.	TOTAL	FR. MAX.	REAR MAX.	TOTAL	ORDER N°	C-241
	LIGHT						MODEL N°	SW-900
	LOADED					233,000	DATE BUILT	1958



CAPACITIES		WHEELS: TYPE & CLASS	STEAM GENERATOR	ELECTRICAL EQUIPMENT			
ENG. COOLING WATER	158 IMP. GAL.	A-40 "C"	None	TRACTION MOTORS	AUXILIARY GEN: TYPE & NR		
LUBRICATING OIL	108 IMP. GAL.	JOURNALS: TYPE & SIZE	AIR COMPRESSOR	FOUR	G.M. A-8102-A1		
FUEL OIL	500 IMP. GAL.			G.M. D-47B	18 K.W.		
SAND STORAGE	24 CU. FT.	Friction 6½" x 12"	Gardner Denver WKO	T.M. BLOWER	ALTERNATOR: TYPE & NR		
STEAM GEN. WATER	- IMP. GAL.	TRUCKS	COOLING FANS	Two Mechanical Drive	None		
OPERATING FEATURES				AAR Type A	One Mechanical Drive	MAIN GENERATOR	M.U. CONTROL
MAX. SPEED	- 40 MPH				AIR BRAKE		G.M. D-15C
GEAR RATIO	62 : 15	Westinghouse 6-SL	DYNAMIC BRAKE				
T.E. STARTING						No	
T.E. CONTINUOUS	36,000 lbs						
OPER. CURVE ALONE: 57°	COUPLED: 38°						

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				Combination Pilot and Footboard.
				Units 7250, 7251 and 7252 Only.

MECHANICAL DEPARTMENT

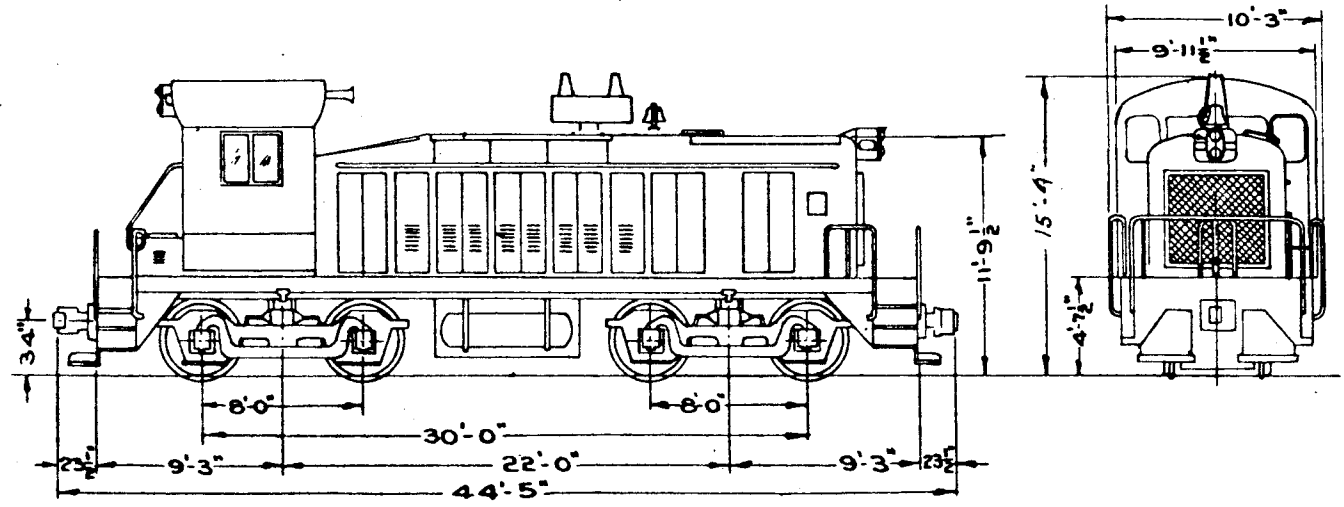
DIESEL UNIT DATA BOOK

GS-9e ^{orw 7262} To 7268
CLASS NUMBERS

DIESEL ENGINE: 900 H.P.
E.M.D. 567-C V-type
8 cylinder, 8 1/2" bore, 10" stroke,
835 R.P.M. Full speed
275 R.P.M. Idling "

		WEIGHT DISTRIBUTION						
		FR. MIN	REAR MIN.	TOTAL	FR. MAX.	REAR MAX.	TOTAL	
LIGHT		110,750	111,530	222,460	113,060	112,680	225,470	ORDER N ^o
LOADED		111,520	112,140	223,840	116,090	115,920	231,750	MODEL N ^o
								DATE BUILT
								1958

BUILDER E.M.D.
ORDER N^o 4424
MODEL N^o SW-900
DATE BUILT 1958



CAPACITIES		
ENG. COOLING WATER	158	IMP. GAL.
LUBRICATING OIL	112	IMP. GAL.
FUEL OIL	500	IMP. GAL.
SAND STORAGE	22	CU. FT.
STEAM GEN. WATER	-	IMP. GAL.
OPERATING FEATURES		
MAX. SPEED	40	M.P.H.
GEAR RATIO	62 : 15	
T.E. STARTING		
T.E. CONTINUOUS	36,000 lbs.	
OPER. CURVE ALONE: 57°	COUPLED: 38°	

WHEELS: TYPE & CLASS	
A-40	"C"
JOURNALS: TYPE & SIZE	
Friction	6 1/2" x 12"
TRUCKS	
AAR Type A	

STEAM GENERATOR	
None	
AIR COMPRESSOR	
Gardner Denver WBO	
COOLING FANS	
One Mechanical Drive	
AIR BRAKE	
Westinghouse 26-L	

ELECTRICAL EQUIPMENT	
TRACTION MOTORS FOUR E.M.D. D-47	AUXILIARY GEN: TYPE & N ^o DELCO 10 K.W.
T.M. BLOWER Two Mechanical Drive	ALTERNATOR: TYPE & N ^o None
MAIN GENERATOR E.M.D. D-15	M.U. CONTROL No
	DYNAMIC BRAKE No

Steam Generator Remote Control Panel
Unit 7264 Only

Standby Heater
Unit 7265 Only

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MECHANICAL DEPARTMENT

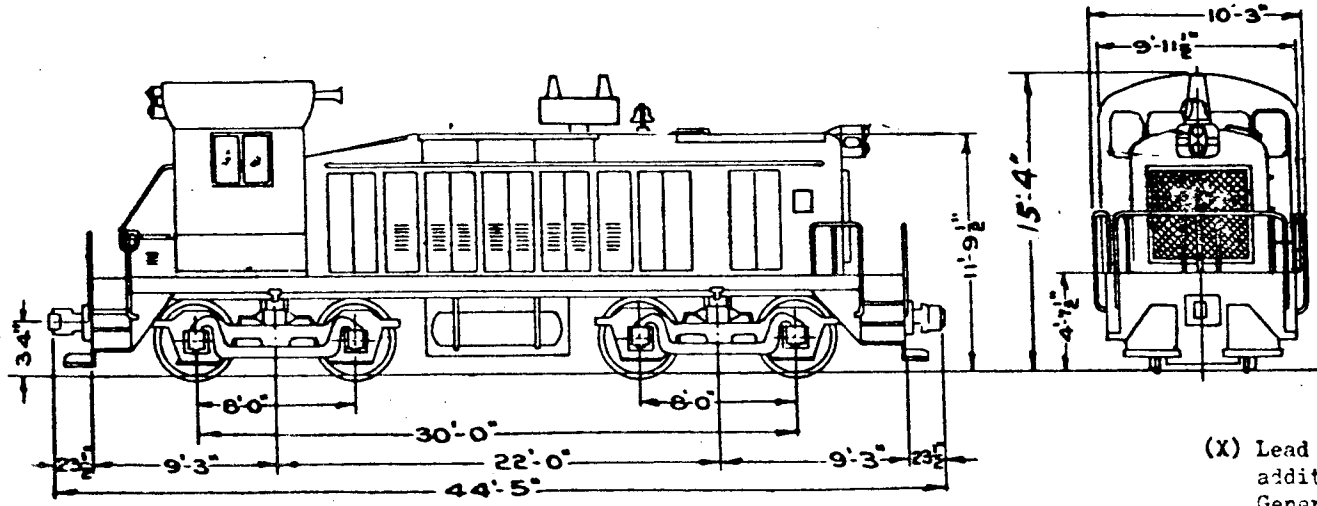
DIESEL UNIT DATA BOOK

GS-9d CLASS 7600
TO 7608
NUMBERS

DIESEL ENGINE: 900 H.P.
 G.M. 567 C V-type
 8 cylinder, 8 1/2" bore, 10" stroke
 635 R.P.M. full speed
 275 R.P.M. Idling "

WEIGHT		DISTRIBUTION			
FR. MIN	REAR MIN.	TOTAL	FR. MAX.	REAR MAX.	TOTAL
LIGHT					
LOADED					249 000

BUILDER	G.M.
ORDER N ^o	C-241
MODEL N ^o	SW-900
DATE BUILT	1958



(X) Lead units have an additional Auxiliary Generator (5GY-24)

CAPACITIES	
ENG. COOLING WATER	158 IMP. GAL.
LUBRICATING OIL	108 IMP. GAL.
FUEL OIL	500 IMP. GAL.
SAND STORAGE	24 CU. FT.
STEAM GEN. WATER	- IMP. GAL.

OPERATING FEATURES	
MAX. SPEED	- 40 M.P.H.
GEAR RATIO	62 : 15
T.E. STARTING	
T.E. CONTINUOUS	36,000 lbs
OPER. CURVE ALONE: 570	COUPLED: 380

WHEELS: TYPE & CLASS A-40 "C"
JOURNALS: TYPE & SIZE Friction 6 1/2" x 12"
TRUCKS AAR Type A

STEAM GENERATOR None
AIR COMPRESSOR Gardner Denver TXO
COOLING FANS One Mechanical Drive
AIR BRAKE Westinghouse 6-SL

ELECTRICAL EQUIPMENT
TRACTION MOTORS FOUR G.M. D-47B
T.M. BLOWER Two Mechanical Drive
MAIN GENERATOR G.M. D-15C

AUXILIARY GEN: TYPE & N ^o G.M. A-8102-A1 18 K.W. (X)
ALTERNATOR: TYPE & N ^o None
M.U. CONTROL YES
DYNAMIC BRAKE No

DEC 31 1974

		Hump Control	Units Equipped as Lead Units-Switchers Units 7600 to 7604 Only	Speed Indicator Excluding Unit 7606	Units equipped as Trail Units - Switchers Units 7605 to 7607 Only.

MECHANICAL DEPARTMENT

DIESEL UNIT DATA BOOK

GY-9d 400-405

CLASS NUMBERS

RENUMBERED & RECLASSIFIED

OLD	NEW
7600	401
7601	401
7602	402
7603	403
7604	404
7607	405

7254 ←

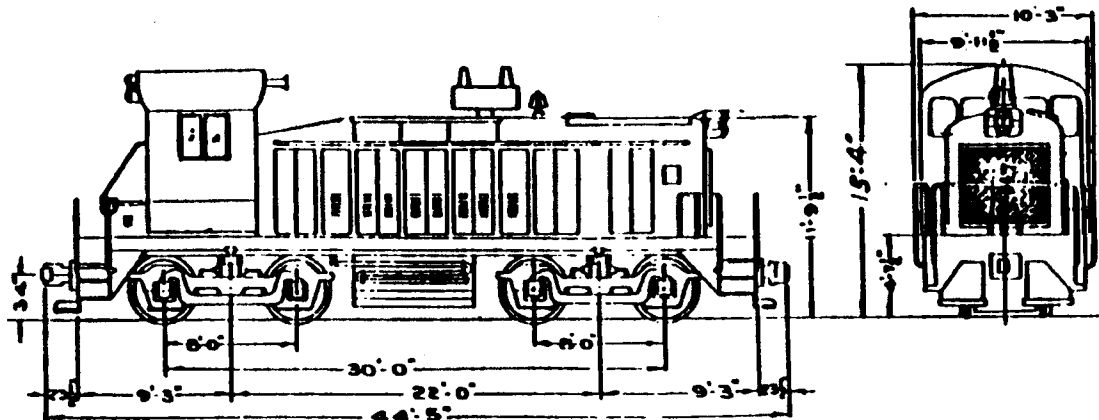
DIESEL ENGINE: 900 H.P.
 G.I. 567-C V-Type
 8 cylinder 8 1/2" bore 10" stroke
 835 K.P.H. Full Speed
 275 K.P.H. Idling Speed

*FORMERLY GS-9d CLASS LOCOMOTIVES NOS. 7600 TO 7604 & 7607 - MODIFIED FOR NEW YARD SERVICE - 1979. RENUMBERING ON LEFT HAND SIDE OF DIAGRAM.

WEIGHT		BUILDER	G.M.
	TOTAL	ORDER N°	C-241
LIGHT		MODEL N°	SW-900
LOADED	253,000	DATE BUILT	1958

RETIRED

401



CAPACITIES		WHEELS: TYPE & CLASS	STEAM GENERATOR	ELECTRICAL EQUIPMENT	
WATER	158 IMP GAL	A-40 "C"	None	TRACTION MOTORS	AUXILIARY GEN: TYPE & HP
LUBRICATING OIL	108 IMP GAL	JOURNALS: TYPE & SIZE	AIR COMPRESSOR	Four - GM D-47H	131 X-8102-A1 15 KW
FUEL OIL	775 IMP GAL	Friction 6 1/2" x 12"	Gardner Denver WXU	<u>T.M. BLOWER MOTORS</u>	(Two Per Unit)
SAND STORAGE	24 CU FT.	<u>TRUCKS</u>	<u>COOLING FANS</u>	Two - Mechanical Drive	ALTERNATOR: TYPE & HP
STEAM GEN. WATER	- IMP GAL.	AAK Type A	One - Mechanical Drive	<u>MAIN GENERATOR</u>	None
<u>OPERATING FEATURES</u>			<u>AIR BRAKE</u>	G.M. D-15C	<u>M.U. Z-BENTON</u>
MAX. SPEED	40 MPH		Westinghouse 6-SL (19)		YES - Not Fully Compatible with Pachtetter Equipped Locom.
GEAR RATIO	62 : 15				<u>DYNAMIC BRAKE</u>
TYPE STARTING					No
TYPE CONTINUOUS	36,000 lbs.				
OPER. CURVE ALONE	570				
COUPLED	380				

DECEMBER 1979

LEAD EQUIPMENT FOR YARD BOOSTER CLASSES: GY-00a NY-00a				
Combination Pilot & Footboards - Both Ends	Side Switching Steps Step Lights	Speed Indicator	GM - Rheostatic Slow Speed Control	Quick Disconnect Booster Cables
			Timed Automatic Electric Drain Valves	

MECHANICAL DEPARTMENT

DIESEL UNIT DATA BOOK

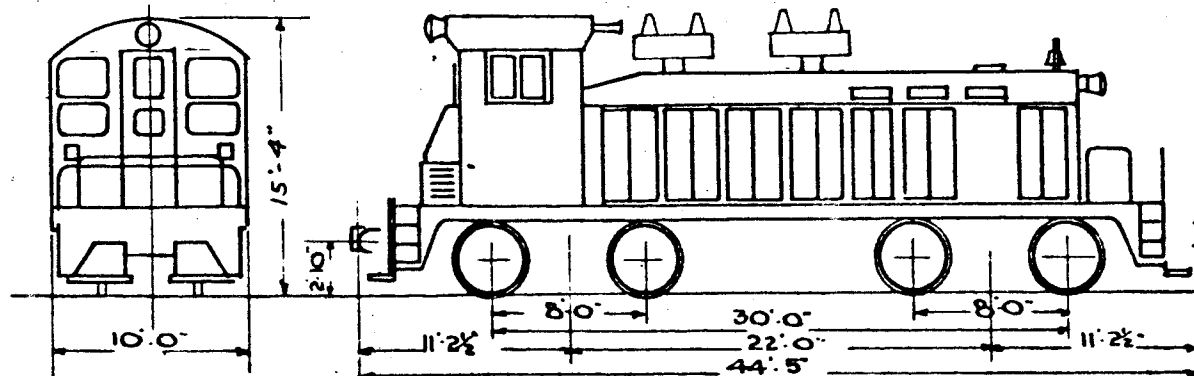
GTW7900

GS-10a CLASS 7901-02-04 To 14 NUMBERS

DIESEL ENGINE: 1000 H.P.
 Elect. Motive Corp. Model 12-567A V-Type
 12 cylinder, 8½" bore, 10" stroke,
 800 R.P.M.

WEIGHT		DISTRIBUTION			
FR. MIN	REAR MIN.	TOTAL	FR. MAX.	REAR MAX.	TOTAL
LIGHT					
LOADED					246,700

BUILDER	E.M.D.
ORDER N ^o	E-445
MODEL N ^o	MT-2
DATE BUILT	1941-42



Retired
 7900
 7901
 7902
 7903
 7909
 7910
 7912
 7913
 7914

CAPACITIES		WHEELS: TYPE & CLASS A-40 "C"	STEAM GENERATOR None	ELECTRICAL EQUIPMENT	
ENG. COOLING WATER	166 IMP. GAL.	JOURNALS: TYPE & SIZE Friction 6½" x 12"	AIR COMPRESSOR Gardner Denver WXO	TRACTION MOTORS	AUXILIARY GEN: TYPE & NR & Exciter EMD A-3001 10 K.W.
LUBRICATING OIL	104 IMP. GAL.			FOUR EMD Type "D"	ALTERNATOR: TYPE & NR
FUEL OIL	500 IMP. GAL.	TRUCKS AAR Type A	COOLING FANS	T.M. BLOWER MOTORS	M.U. CONTROL No
SAND STORAGE	28 CU. FT.			MAIN GENERATOR	DYNAMIC BRAKE No
STEAM GEN. WATER	- IMP. GAL.			Elect. Motive Corp. D4	
OPERATING FEATURES					
MAX. SPEED	40 - M.P.H.				
GEAR RATIO	15 x 62				
T.E. STARTING			AIR BRAKE Westinghouse 1½ EL		
T.E. CONTINUOUS	31,000 lbs.				
OPER. CURVE ALONE:	COUPLED:				

			Air Signal Line Units 7904, 7908 and 7911 Only	Standby Heater Unit 7911 Only

DEC 31 1974

MECHANICAL DEPARTMENT

DIESEL UNIT DATA BOOK **GS 10 a**

7936 - 7945
7956 - 7965

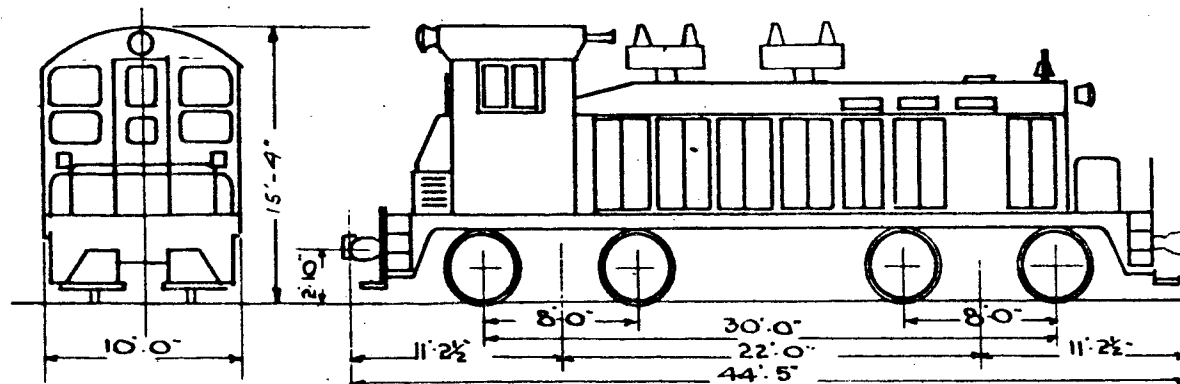
CLASS NUMBERS

DIESEL ENGINE: 1000 H.P.
Elect.Motive Corp.Model 12-567A
12 Cylinder, 8½" bore, 10" stroke,
800 R.P.M.

Units 7936 - 7945 - Order No. E-761
Units 7956 - 7965 - Order No. E-874

WEIGHT	
TOTAL	
LOADED	248,000
LOADED	247,000

BUILDER	E.M.Corp.
ORDER N ^o	E-874
MODEL N ^o	NW-2
DATE BUILT	1946-47



RETIRED
7959
7960
7961
7962
7963
7964
7965

7940
7944

CAPACITIES		WHEELS: TYPE & CLASS	STEAM GENERATOR	ELECTRICAL EQUIPMENT	
ENG. COOLING WATER	166 IMP. GAL.	A-40 "C"	None	TRACTION MOTORS	AUXILIARY GEN: TYPE & N ^o
LUBRICATING OIL	104 IMP. GAL.	JOURNALS: TYPE & SIZE	AIR COMPRESSOR	Four EMD Type "D"	& Exciter EMD A-3001
FUEL OIL	500 IMP. GAL.	Friction 6½" x 12"	Gardner Denver WX0	T.M. BLOWER MOTORS	ALTERNATOR: TYPE & N ^o
SAND STORAGE	28 CU. FT.	TRUCKS	COOLING FANS		M.V. CONTROL
STEAM GEN. WATER	- IMP. GAL.	AAR Type A	AIR BRAKE	MAIN GENERATOR	DYNAMIC BRAKE
OPERATING FEATURES			Westinghouse 14-EL	EMD D-4	No
MAX. SPEED	40 M.P.H.				No
GEAR RATIO	15:62				
T.E. STARTING					
T.E. CONTINUOUS	31,000				
OPER. CURVE ALONE:	COUPLED:				

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	Snowplow Electrical Connection Unit 7937 Only.	Air Signal Line Units 7936 to 7939 & 7942 Only.	Combination Pilot & Footboard Units 7936, 7937, 7943, 7945 & 7956 Only.	

MECHANICAL DEPARTMENT

DIESEL UNIT DATA BOOK

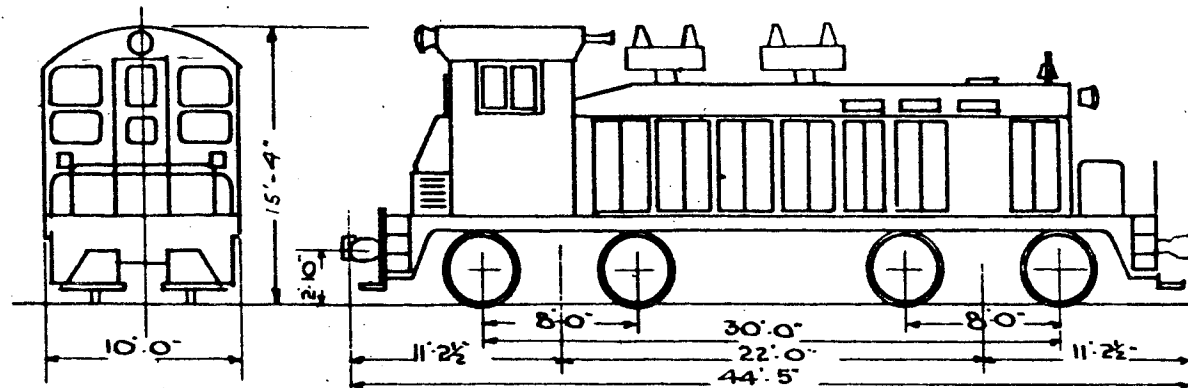
GS-10a GTW 7966-7974

CLASS NUMBERS

DIESEL ENGINE : 1000 H.P.
Elect.Motive Corp.Model 12-567 A
12 cylinder, 8½" bore, 10" stroke,
800 R.P.M.

WEIGHT	BUILDER	E.M. Corp
	ORDER N ^o	E-874
LIGHT	MODEL N ^o	NW-2
LOADED	DATE BUILT	1947-48

RETIRED



CAPACITIES		
ENG. COOLING WATER	166	IMP. GAL.
LUBRICATING OIL	104	IMP. GAL.
FUEL OIL	500	IMP. GAL.
SAND STORAGE	28	CU. FT.
STEAM GEN. WATER	-	IMP. GAL.

OPERATING FEATURES		
MAX. SPEED	40	M.P.H.
GEAR RATIO	15:62	
T.E. STARTING		
T.E. CONTINUOUS	31000 lbs.	
OPER. CURVE ALONE:	COUPLED:	

WHEELS : TYPE & CLASS
A-40 "C"

JOURNALS: TYPE & SIZE
Friction 6½" x 12"

TRUCKS
AAR Type A

STEAM GENERATOR
None

AIR COMPRESSOR
Gardner Denver WX0

COOLING FANS

AIR BRAKE
Westinghouse 14 EL

ELECTRICAL EQUIPMENT	
TRACTION MOTORS	AUXILIARY GEN: TYPE & N ^o
Four EMD Type "D"	EMD A-3001
T.M. BLOWER MOTORS	ALTERNATOR : TYPE & N ^o
	M.U. CONTROL
	NO
MAIN GENERATOR	DYNAMIC BRAKE
EMD D-4	NO

DEC 31 1974

					Standby Heater Units 7966 to 7968 and 7970 Only

MECHANICAL DEPARTMENT

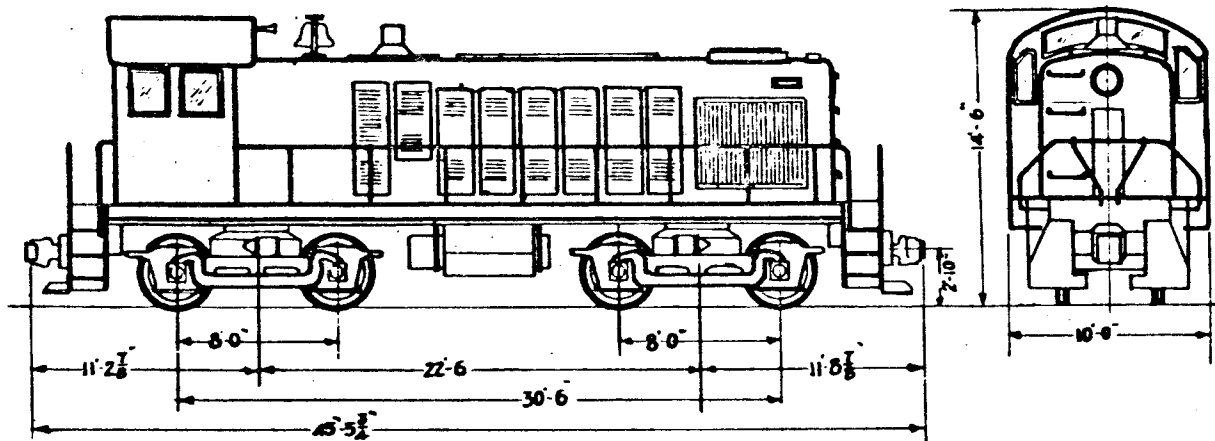
DIESEL UNIT DATA BOOK

MS-10c CLASS ⁸⁰¹⁶To ⁸⁰²⁵ NUMBERS

DIESEL ENGINE: 1000 H.P.
 Alco - In line 539
 6 cylinder, 12 1/2" bore, 13" stroke
 740 R.P.M. Full speed
 275 R.P.M. Idling "

	WEIGHT			DISTRIBUTION		
	FR. MIN	REAR MIN.	TOTAL	FR. MAX.	REAR MAX.	TOTAL
LIGHT						
LOADED						229,000

BUILDER	M.L.W.
ORDER N ^o	SO-4106
MODEL N ^o	S-4
DATE BUILT	1951-1952



Retired
 8017
 8020 to
 8024

CAPACITIES	
ENG. COOLING WATER	280 IMP. GAL.
LUBRICATING OIL	67 IMP. GAL.
FUEL OIL	530 IMP. GAL.
SAND STORAGE	27 CU. FT.
STEAM GEN. WATER	IMP. GAL.

OPERATING FEATURES	
MAX. SPEED	40 M.P.H.
GEAR RATIO	16 - 75
T.E. STARTING	
T.E. CONTINUOUS	34,000 lbs.
OPER. CURVE ALONE: 50° COUPLED	

WHEELS: TYPE & CLASS A-40 "C"
JOURNALS: TYPE & SIZE Friction 6 1/2" x 12"
TRUCKS AAR Type A Model MT-5020

STEAM GENERATOR None
AIR COMPRESSOR Westinghouse 3 CD
COOLING FANS One Mechanical Drive
AIR BRAKE Westinghouse 14 EL

ELECTRICAL EQUIPMENT	AUXILIARY GEN: TYPE & NR
TRACTION MOTORS FOUR G.E. 731	G.E. GMG 139
T.M. BLOWER TWO Sturtevant Mechanical Drive	ALTERNATOR: TYPE & NR
MAIN GENERATOR G.E. GT-553-A	M.U. CONTROL Unit 8025 Only
	DYNAMIC BRAKE No

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				Combination Pilot and Footboard Unit 8025 only	Snowplow Electrical Connection Unit 8025 only

MECHANICAL DEPARTMENT

DIESEL UNIT DATA BOOK

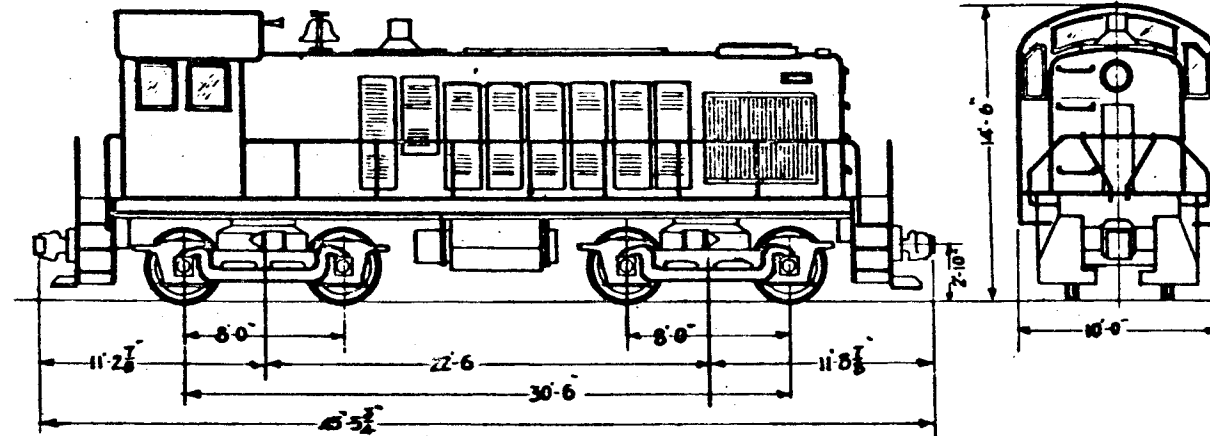
MS-10d
CLASS

GTW 8027
NUMBERS

DIESEL ENGINE: 1000 H.P. M^cINTOSH-SEYMOUR
Aleo In line 539
6 cylinder, 12½" bore, 13" stroke
740 R.P.M. full speed
275 R.P.M. Idling "

WEIGHT		DISTRIBUTION				
	FR. MIN	REAR MIN.	TOTAL	FR. MAX.	REAR MAX.	TOTAL
LIGHT						219,700
LOADED						229,700

BUILDER	A100
ORDER N ^o	20854
MODEL N ^o	S-4
DATE BUILT	1963



CAPACITIES		
ENG. COOLING WATER	200	IMP. GAL.
LUBRICATING OIL	67	IMP. GAL.
FUEL OIL	530	IMP. GAL.
SAND STORAGE	27	CU. FT.
STEAM GEN. WATER		IMP. GAL.

OPERATING FEATURES		
MAX. SPEED	40	MPH
GEAR RATIO	16 - 75	
T.E. STARTING		
T.E. CONTINUOUS	34,000 lbs.	
OPER. CURVE ALONE 50' COUPLED:		

WHEELS: TYPE & CLASS A-40 "C"
JOURNALS: TYPE & SIZE Priction 6½" x 12"
TRUCKS AAR Type A Model MT-50587

STEAM GENERATOR None
AIR COMPRESSOR Westinghouse 3 CD
COOLING FANS One Mechanical Drive
AIR BRAKE Westinghouse 14-EL

ELECTRICAL EQUIPMENT	
TRACTION MOTORS FOUR GE-731	AUXILIARY GEN: TYPE & N ^o G.E. GMG-139
T.M. BLOWER TWO Sturtevant Mechanical Drive	ALTERNATOR: TYPE & N ^o
MAIN GENERATOR G.E. GE-553A	M.U. CONTROL No
	DYNAMIC BRAKE No

DEC 31 1974

MECHANICAL DEPARTMENT

DIESEL UNIT DATA BOOK

MS 10 e

8028-8033

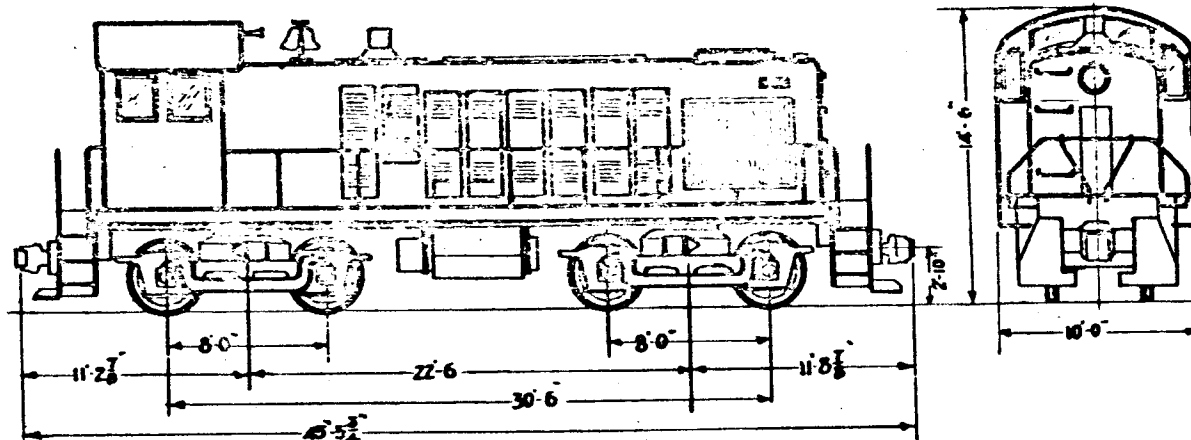
CLASS

NUMBERS

DIESEL ENGINE: 1000 H.P.
Alco In Line 539
6 cylinder, 12½" bore, 13" stroke,
740 R.P.M. full speed
275 R.P.M. idling speed

WEIGHT		BUILDER	M.L.W.
	TOTAL	ORDER N ^o	50-4108
LIGHT		MODEL N ^o	S-4
LOADED	230,000	DATE BUILT	1954

RETIRED



CAPACITIES			WHEELS: TYPE & CLASS	STEAM GENERATOR	ELECTRICAL EQUIPMENT	
ENG. COOLING WATER	200	IMP. GAL.	A-40 "C"	None	TRACTION MOTORS	AUXILIARY GEN: TYPE & N^o
LUBRICATING OIL	67	IMP. GAL.	JOURNALS: TYPE & SIZE	AIR COMPRESSOR	Four	G.E. GMG 139
FUEL OIL	530	IMP. GAL.			Westinghouse 3CD	ALTERNATOR: TYPE & N^o
SAND STORAGE	27	CU. FT.	Friction 6½" x 12"	COOLING FANS	TWO	M.V. CONTROL
STEAM GEN. WATER		IMP. GAL.	TRUCKS	One Mechanical Drive	Sturtevant	
OPERATING FEATURES				AAR Type A	AIR BRAKE	MAIN GENERATOR
MAX. SPEED	40	M.P.H.	Model MT-5020	Westinghouse 6 SL	G.E. GT-553A	No
GEAR RATIO	16 - 75					
T.E. STARTING						
T.E. CONTINUOUS	34,000 lbs.					
OPER. CURVE ALONE: 500			COUPLED:			

Auto Transition with
Forestalling Features

Combination Pilot and
Footboard
Units 8028 and 8029
Only

DEC 31 1974

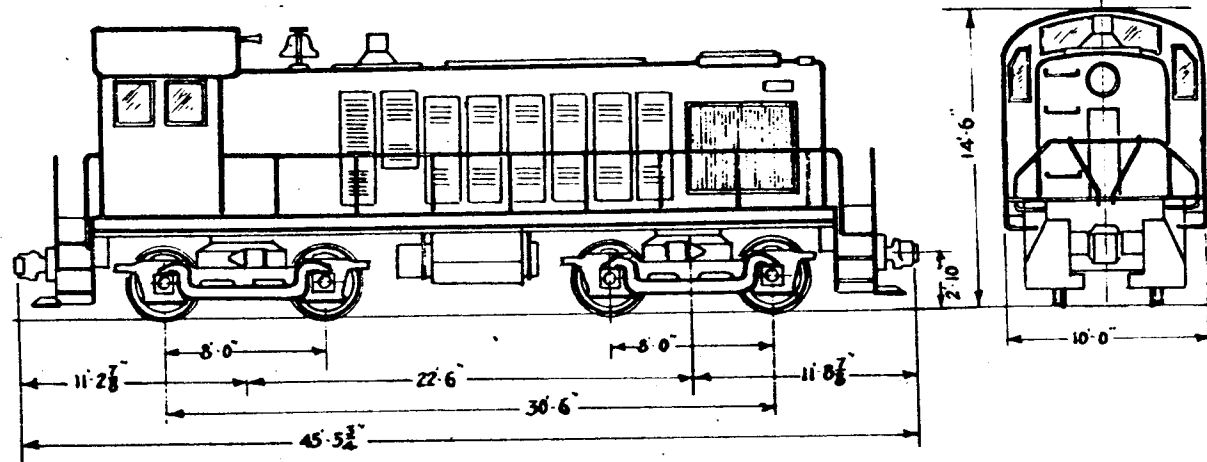
MECHANICAL DEPARTMENT

DIESEL UNIT DATA BOOK

GTW 8034
MS-10f CLASS
8035 NUMBERS

DIESEL ENGINE: 1000 H.P.
Aloo in line 539
6 cylinder, 12 1/2" bore, 13" stroke,
740 R.P.M. Full speed
275 R.P.M. Idling "

WEIGHT DISTRIBUTION							BUILDER	Aloo
	FR. MIN	REAR MIN.	TOTAL	FR. MAX.	REAR MAX.	TOTAL	ORDER N ^o	S0-20959
LIGHT						224,100	MODEL N ^o	S-4
LOADED						233,900	DATE BUILT	1955



CAPACITIES			WHEELS: TYPE & CLASS	STEAM GENERATOR	ELECTRICAL EQUIPMENT
ENG. COOLING WATER	200	IMP. GAL.	A-40 "C"	None	TRACTION MOTORS FOUR G.E. 731
LUBRICATING OIL	67	IMP. GAL.	JOURNALS: TYPE & SIZE Friction 6 1/2" x 12"	AIR COMPRESSOR Westinghouse 3 CD	AUXILIARY GEN: TYPE & N ^o G.E. GMG 139
FUEL OIL	530	IMP. GAL.			TRUCKS AAR Type A Model MT-50587
SAND STORAGE	27	CU. FT.	OPERATING FEATURES	AIR BRAKE Westinghouse 14 EL	
STEAM GEN. WATER		IMP. GAL.			MAX. SPEED 40 M.P.H.
			GEAR RATIO 75 - 16		
			T.E. STARTING		
			T.E. CONTINUOUS 34,000 lbs.		
			OPER. CURVE ALONE 50° COUPLED:		

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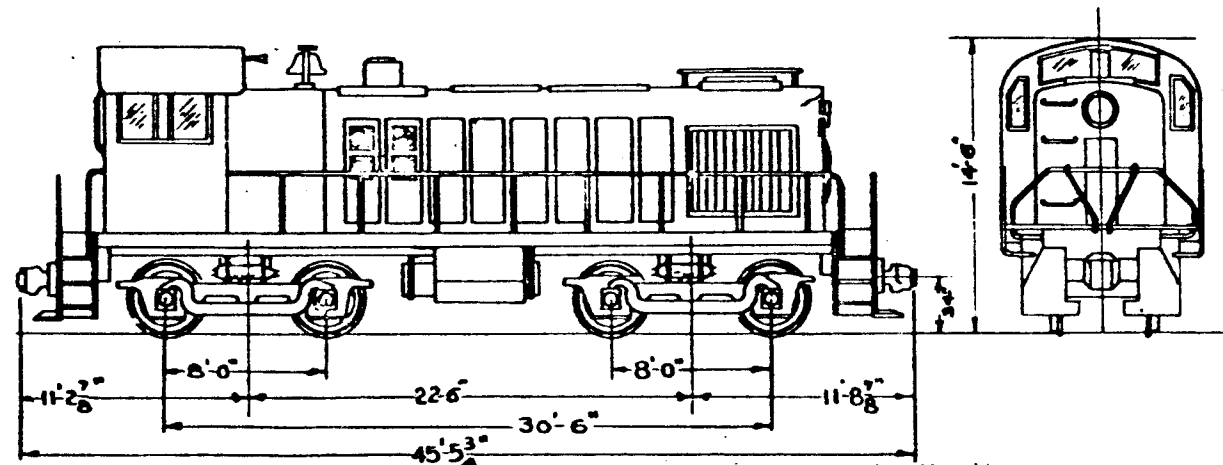
MECHANICAL DEPARTMENT

DIESEL UNIT DATA BOOK

MS-103 CLASS **8036**
 To **8077** NUMBERS

DIESEL ENGINE: 1000 H.P.
 Also D.E.W. In line 539
 6 cylinder, 12½" bore, 13" stroke,
 740 R.P.M. full speed
 275 R.P.M. Idling "

WEIGHT DISTRIBUTION							BUILDER	M.L.W.
	FR. MIN	REAR MIN.	TOTAL	FR. MAX.	REAR MAX.	TOTAL	ORDER N ^o	SO-4110
LIGHT							MODEL N ^o	S-4
LOADED						230,000	DATE BUILT	1955-1956



CAPACITIES			WHEELS: TYPE & CLASS	STEAM GENERATOR	ELECTRICAL EQUIPMENT		
ENG. COOLING WATER	200	IMP. GAL.	A-40 "C"	None	TRACTION MOTORS FOUR G.E. 731		
LUBRICATING OIL	67	IMP. GAL.	JOURNALS: TYPE & SIZE Friction 6½" x 12"	AIR COMPRESSOR Westinghouse 3 CD		AUXILIARY GEN: TYPE & N ^o G.E. GMC-139	
FUEL OIL	530	IMP. GAL.		TRUCKS AAR Type A Model MT-5020	COOLING FANS One Mechanical Drive	ALTERNATOR: TYPE & N ^o	
SAND STORAGE	27	CU. FT.	OPERATING FEATURES			AIR BRAKE Westinghouse 6 SL	M.U. CONTRCL Units 8055, 8063, 8065 to 8069, 8072, 8075 & 8077 only.
STEAM GEN. WATER		IMP. GAL.		MAX. SPEED	40		M.P.H.
			GEAR RATIO	75 - 16			
			T.E. STARTING				
			T.E. CONTINUOUS	34,000 lbs.			
			OPER. CURVE ALONE 50° COUPLED:				

DEC 31 1974

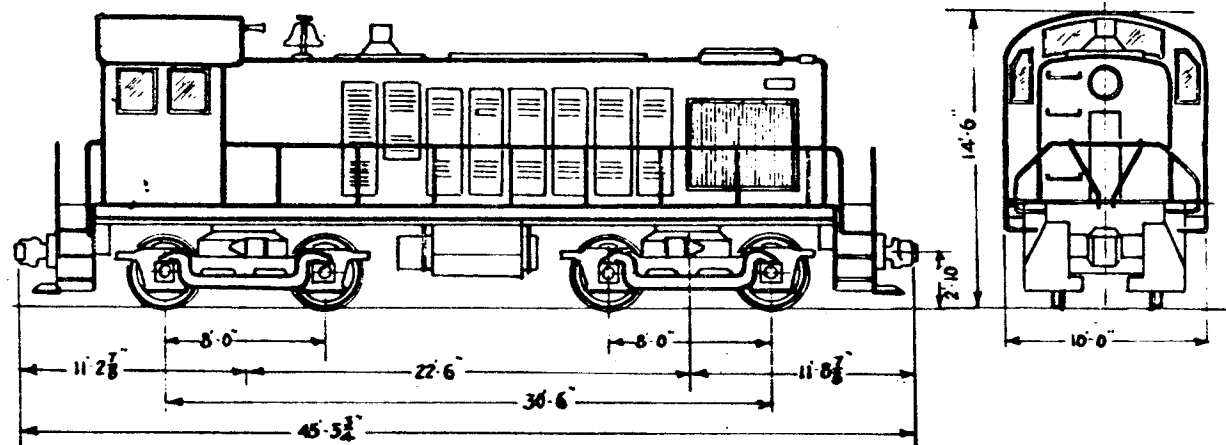
				Air Signal Line Units 8036, 8040, 8042, 8048, 8051, 8056 to 8058, 8060, 8062, 8067, 8069, 8071, 8072, 8077 only	Combination Pilot and Footboard Units 8041, 8046, 8049, 8050, 8054, 8064, 8067, 8069 to 8072, 8074 & 8075 only
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MECHANICAL DEPARTMENT

DIESEL UNIT DATA BOOK

MS-104 CLASS **8078** To **8079** NUMBERS

DIESEL ENGINE: 1000 H.P. Also D.E.W. In Line 539 6 cylinder, 12½" bore. 13" stroke 740 R.P.M. Full speed 275 R.P.M. Idling "	WEIGHT DISTRIBUTION						BUILDER	M.L.V.
		FR. MIN	REAR MIN.	TOTAL	FR. MAX.	REAR MAX.	ORDER N ^o	SO-4110
	LIGHT						MODEL N ^o	S-4
	LOADED						DATE BUILT	1955



CAPACITIES			WHEELS: TYPE & CLASS A-40 "C"	STEAM GENERATOR None	ELECTRICAL EQUIPMENT	
ENG. COOLING WATER	280	IMP. GAL.	JOURNALS: TYPE & SIZE Friction 6½" x 12"	AIR COMPRESSOR Westinghouse 3CD	TRACTION MOTORS FOUR G.E. 731	
LUBRICATING OIL	67	IMP. GAL.			T.M. BLOWER Two Sturtevant Mechanical Drive	AUXILIARY GEN: TYPE & N ^o G.E. GM-139
FUEL OIL	530	IMP. GAL.			TRUCKS AAR Type A Model MT-5020	ALTERNATOR: TYPE & N ^o
SAND STORAGE	27	CU. FT.				M.U. CONTROL Yes
STEAM GEN. WATER	-	IMP. GAL.	MAIN GENERATOR G.E. GT 553A	DYNAMIC BRAKE No		
OPERATING FEATURES						
MAX. SPEED	40	- M.P.H.				
GEAR RATIO	75	: 16				
T.E. STARTING						
T.E. CONTINUOUS	34 000					
OPER. CURVE ALONE	50°	COUPLED:				

				Air Signal Line	Combination Pilot and Footboard Unit 8079 Only

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MECHANICAL DEPARTMENT

DIESEL UNIT DATA BOOK

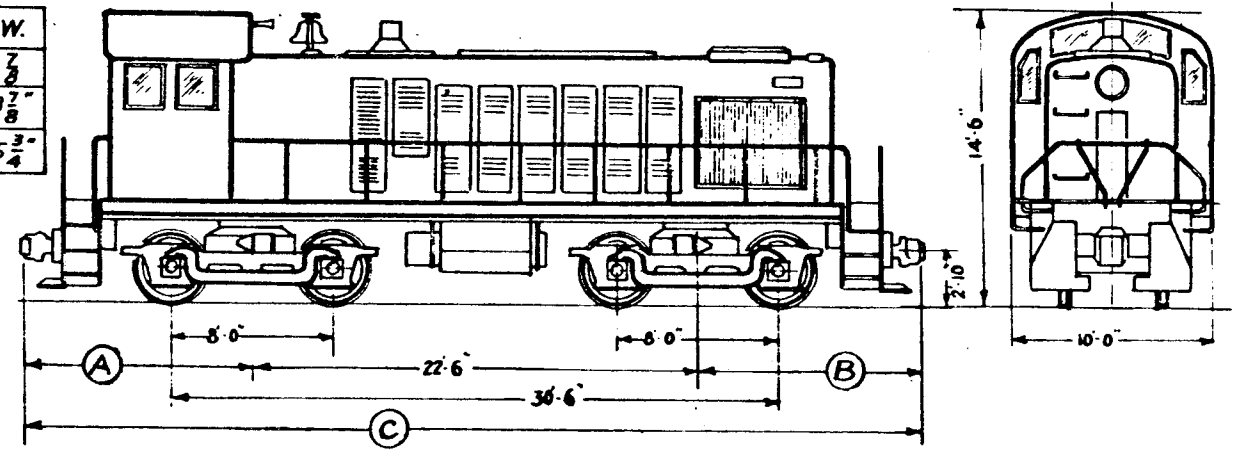
MS-10j ^{CV 8080-81}
_{CLASS} ^{STW 8082}
_{NUMBERS}

DIESEL ENGINE: 1000 H.P.
 Alco In Line 539
 6 cylinder, 12 1/2" bore, 13" stroke,
 740 R.P.M. full speed
 275 R.P.M. Idling "

		WEIGHT DISTRIBUTION					
		FR. MIN	REAR MIN.	TOTAL	FR. MAX.	REAR MAX.	TOTAL
LIGHT							222,390
LOADED							232,190

BUILDER	Alco
ORDER N ^o	SO-20977
MODEL N ^o	S-4
DATE BUILT	1955

	C.V.	G.T.W.
A	11'-5 7/8"	11'-2 7/8"
B	11'-11 7/8"	11'-8 7/8"
C	45'-11 3/4"	45'-5 3/4"



CAPACITIES	
ENG. COOLING WATER	260 IMP. GAL.
LUBRICATING OIL	67 IMP. GAL.
FUEL OIL	530 IMP. GAL.
SAND STORAGE	27 CU. FT.
STEAM GEN. WATER	IMP. GAL.

OPERATING FEATURES	
MAX. SPEED	40 M.P.H.
GEAR RATIO	75 : 16
T.E. STARTING	
T.E. CONTINUOUS	34,000 lbs.
OPER. CURVE ALONE 50°	COUPLED:

WHEELS: TYPE & CLASS A-40 "C"
JOURNALS: TYPE & SIZE Friction 6 1/2" x 12"
TRUCKS AAR Type A Model MT-50587

STEAM GENERATOR -
AIR COMPRESSOR Westinghouse 3CD
COOLING FANS One Mechanical Drive
AIR BRAKE Westinghouse 14-EL

ELECTRICAL EQUIPMENT	AUXILIARY GEN: TYPE & N ^o G.E. GM-139
TRACTION MOTORS FOUR G.E. 731	ALTERNATOR: TYPE & N ^o
T.M. BLOWER Two Sturtevant Mechanical Drive	M.U. CONTROL No
MAIN GENERATOR G.E. GT-553-A	DYNAMIC BRAKE No

					Air Signal Line Unit 8082 Only

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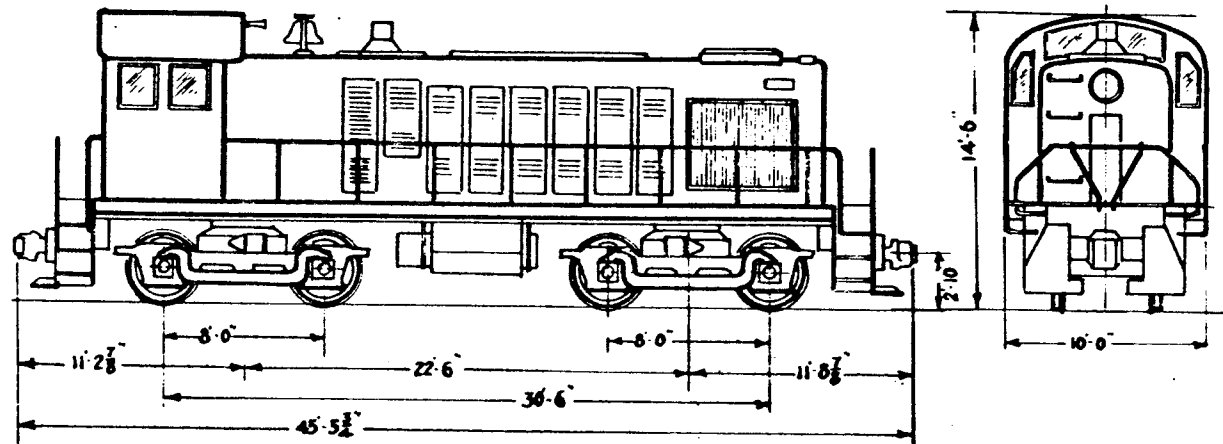
MECHANICAL DEPARTMENT

DIESEL UNIT DATA BOOK

GTW 8083
MS-10k To 8090
CLASS NUMBERS

DIESEL ENGINE: 1000 H.P.
Aloo In Line 539
6 cylinder, 12 1/2" bore, 13" stroke,
740 R.P.M. full speed
275 R.P.M. Idling "

WEIGHT DISTRIBUTION						BUILDER	Aloo
	FR. MIN	REAR MIN.	TOTAL	FR. MAX.	REAR MAX.	ORDER N ^o	SO.20978
LIGHT						222,590	MODEL N ^o S-4
LOADED						232,390	DATE BUILT 1955



CAPACITIES		WHEELS: TYPE & CLASS	STEAM GENERATOR	ELECTRICAL EQUIPMENT	
ENG. COOLING WATER	200 IMP. GAL.	A-40 "C"	None	TRACTION MOTORS	AUXILIARY GEN: TYPE & N ^o
LUBRICATING OIL	67 IMP. GAL.	JOURNALS: TYPE & SIZE Friction 6 1/2" x 12"	AIR COMPRESSOR Westinghouse 3 CD	FOUR	G.E. GMC-139
FUEL OIL	530 IMP. GAL.			G.E. 731	ALTERNATOR: TYPE & N ^o
SAND STORAGE	27 CU. FT.	TRUCKS	COOLING FANS One Mechanical Drive	T.M. BLOWER	M.J. CONTROL No
STEAM GEN. WATER	- IMP. GAL.			Two	
OPERATING FEATURES		AAR Type A Model MT-50587	AIR BRAKE Westinghouse 14 EL	MAIN GENERATOR	DYNAMIC BRAKE No
MAX. SPEED	40 M.P.H.			G.E. GT-553A	
GEAR RATIO	75 - 16				
T.E. STARTING					
T.E. CONTINUOUS	34,000 lbs.				
OPER. CURVE ALONE	50° COUPLED:				

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					Air Signal Line

MECHANICAL DEPARTMENT

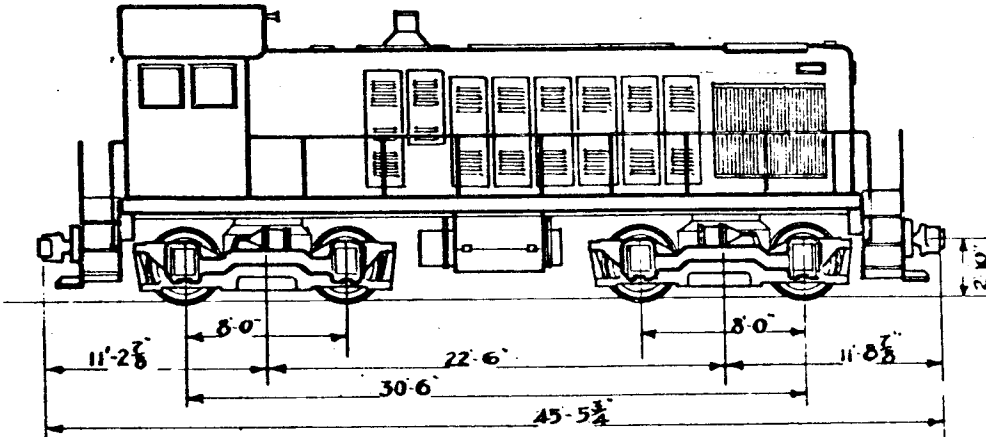
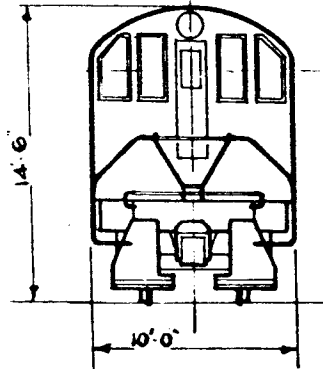
DIESEL UNIT DATA BOOK

MS-10_a CLASS ⁸⁰⁹¹To ⁸¹²¹GTW NUMBERS

DIESEL ENGINE: 1000 H.P. *McINTOSH SEYMOUR*
 6 cylinder 4 cycle 539
 12½" bore, 13" stroke,
 740 R.P.M. Full speed
 250 R.P.M. Idling "

	WEIGHT			DISTRIBUTION			BUILDER	Aloo
	FR. MIN	REAR MIN	TOTAL	FR. MAX	REAR MAX	TOTAL	ORDER N ^o	
LIGHT						220,200	MODEL N ^o	S-2
LOADED						230,000	DATE BUILT	

8091 to 92 Built 1942	Order S-1848	8093 to 85 Built 1941-42	Order S-1848 (8094.3)
8096 to 8105 " 1944	" S-1930	8106 to 11 " 1946	" S-3005
8112 to 14 " 1947	" S-3028	8115 to 21 " 1947	" S-3035



Retired
 8091
 8092
 8094
 8096
 8099
 8101 to
 8103
 8105
 8109
 8112 to
 8119

CAPACITIES		WHEELS: TYPE & CLASS A-40 "C"	STEAM GENERATOR None	ELECTRICAL EQUIPMENT		
ENG. COOLING WATER	200 IMP. GAL.			JOURNALS: TYPE & SIZE Friction 7"x14"	AIR COMPRESSOR Westinghouse 3 C.D.	TRACTION MOTORS
LUBRICATING OIL	66 IMP. GAL.	FOUR	G.E. 731-C2			G.E. No. 5 G.M.G. 130-A5
FUEL OIL	530 IMP. GAL.	TRUCKS Blunt type Model MT-50430	COOLING FANS One Mechanical Drive	T.M. BLOWER	ALTERNATOR: TYPE & N ^o	
SAND STORAGE	27 CU. FT.			Two	Sturtevant	M.U. CONTROL
STEAM GEN. WATER	- IMP. GAL.	OPERATING FEATURES	AIR BRAKE Westinghouse 14 EL	MAIN GENERATOR	No	
				Two	Sturtevant	DYNAMIC BRAKE
				Mechanical Drive	G.E. type 5	No
					G.T. 553-C2	

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MECHANICAL DEPARTMENT

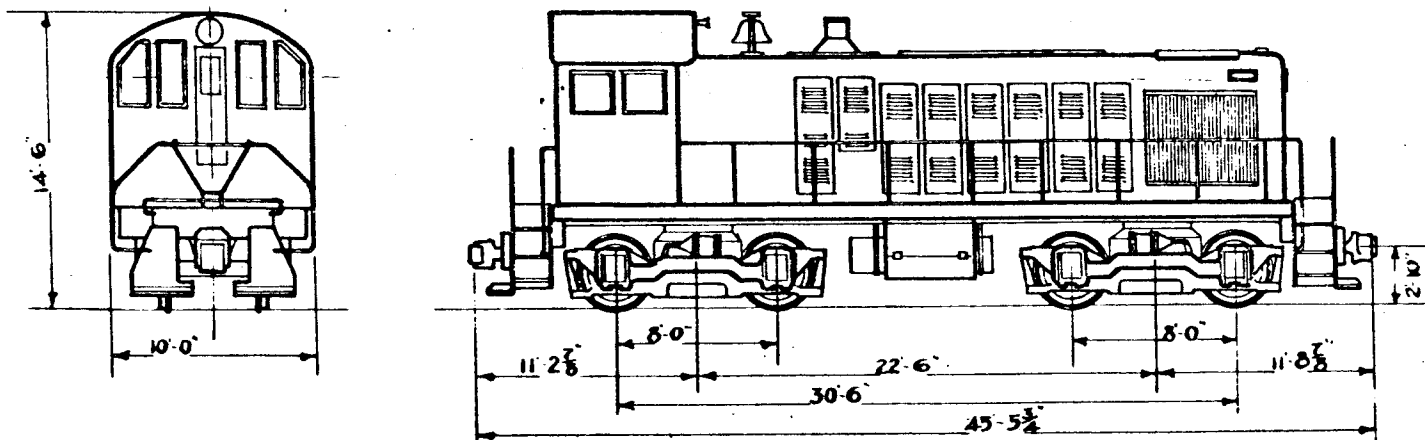
DIESEL UNIT DATA BOOK

MS-10a TO 8122
CLASS NUMBERS 8141

DIESEL ENGINE: 1000 H.P.
Also In Line 539
6 Cylinder 12½" bore, 13" stroke
740 R.P.M. Full speed
275 R.P.M. Idling "

	WEIGHT			DISTRIBUTION		
	FR. MIN	REAR MIN.	TOTAL	FR. MAX.	REAR MAX.	TOTAL
LIGHT						
LOADED						234,000

BUILDER	M.L.W.
ORDER N ^o	DM-556
MODEL N ^o	S-2
DATE BUILT	1949



Retired
8122 to
8138
8140
8141

CAPACITIES			WHEELS: TYPE & CLASS	STEAM GENERATOR	ELECTRICAL EQUIPMENT	
ENG. COOLING WATER	200	IMP. GAL.	A-40	None	TRACTION MOTORS	AUXILIARY GEN: TYPE & N ^o
LUBRICATING OIL	67	IMP. GAL.	JOURNALS: TYPE & SIZE Friction 7" x 14"	AIR COMPRESSOR Westinghouse 3 CD	FOUR	G.E. GMG 139
FUEL OIL	530	IMP. GAL.			TRUCKS "Blunt" type Model MT-50430	COOLING FANS One Mechanical Drive
SAND STORAGE	27	CU. FT.	AIR BRAKE Westinghouse 14 EL	T.M. BLOWER		
STEAM GEN. WATER		IMP. GAL.		OPERATING FEATURES	MAIN GENERATOR	Sturtevant
			MECHANICAL DRIVE			G.E. GT-553 A
MAX. SPEED	40	M.P.H.				No
GEAR RATIO	16 @ 75					
T.E. STARTING						
T.E. CONTINUOUS	34,000 lbs.					
OPER. CURVE ALONE 50° COUPLED:						

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MECHANICAL DEPARTMENT

DIESEL UNIT DATA BOOK

MS-106

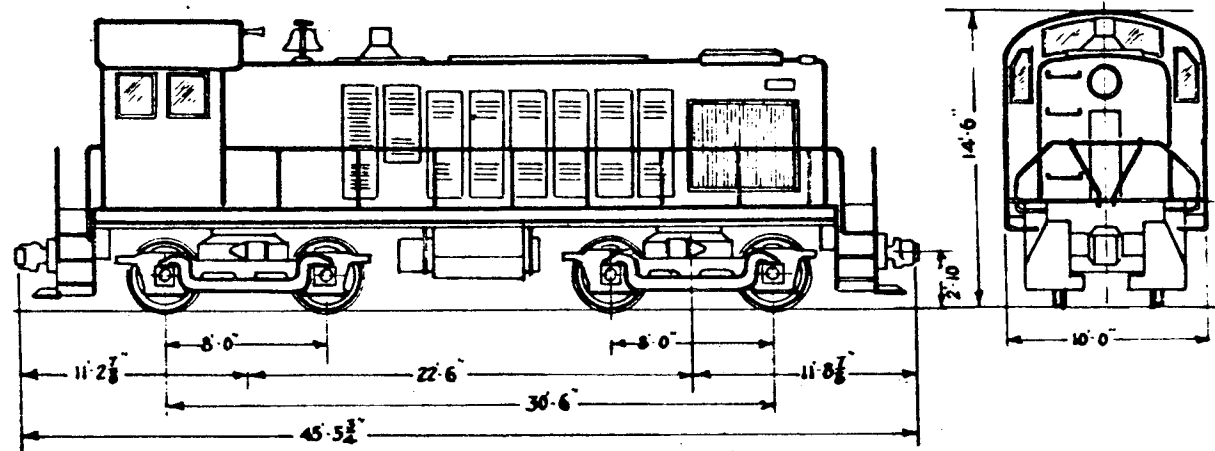
GTW 8162

CLASS NUMBERS

DIESEL ENGINE: 1000 H.P. MCINTOSH-SEYMOUR
 6 cylinder, 12½" bore, 13" stroke, 539
 740 R.P.M. Full speed

	WEIGHT			DISTRIBUTION		
	FR. MIN	REAR MIN.	TOTAL	FR. MAX.	REAR MAX.	TOTAL
LIGHT						
LOADED						234,000

BUILDER	A100
ORDER N ^o	20737
MODEL N ^o	S-4
DATE BUILT	1951



CAPACITIES		WHEELS: TYPE & CLASS A-40 "C"	STEAM GENERATOR None	ELECTRICAL EQUIPMENT	
ENG. COOLING WATER	200 IMP. GAL.			JOURNALS: TYPE & SIZE Friction 6½" x 12"	AIR COMPRESSOR Westinghouse 3 CD
LUBRICATING OIL	66 IMP. GAL.	TRUCKS AAR Type A Model MT-50587	COOLING FANS One Mechanical Drive		
FUEL OIL	530 IMP. GAL.			AIR BRAKE Westinghouse 14-EL	T.M. BLOWER MOTORS
SAND STORAGE	CU. FT.	OPER. CURVE ALONE: COUPLED:	DYNAMIC BRAKE No		
STEAM GEN. WATER	IMP. GAL.				
OPERATING FEATURES					
MAX. SPEED	40 MPH				
GEAR RATIO	16 : 75				
T.E. STARTING					
T.E. CONTINUOUS	34,000 lbs.				

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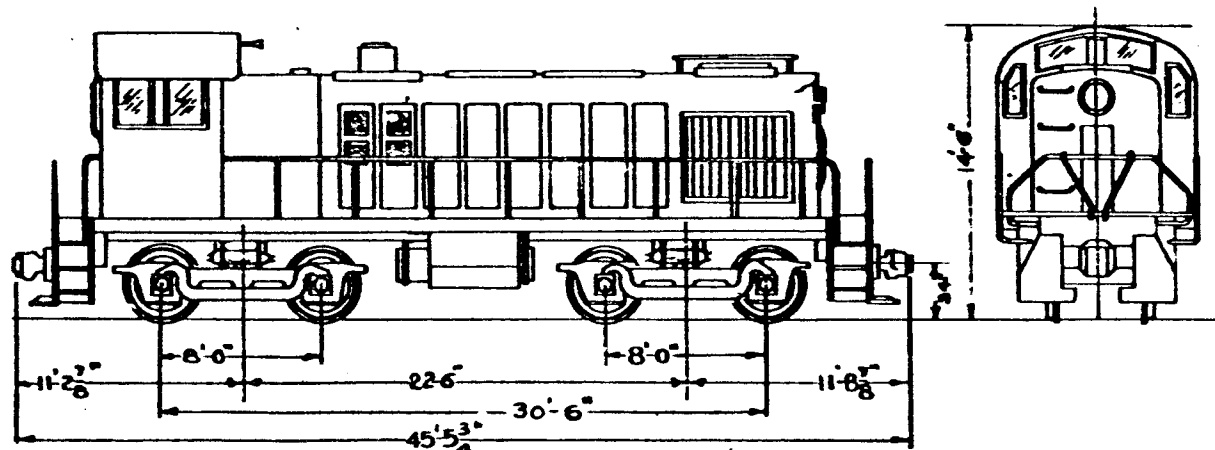
MECHANICAL DEPARTMENT

DIESEL UNIT DATA BOOK

MS-102 ⁸¹⁶³ TO ⁸¹⁹⁵
 CLASS NUMBERS

DIESEL ENGINE: 1000 H.P.
 Also D.E.W. In Line 539
 6 cylinder, 12½" bore, 13" stroke,
 740 R.P.M. full speed
 315 R.P.M. Idling

WEIGHT DISTRIBUTION		BUILDER	M.L.W.
FR. MIN	REAR MIN.	ORDER N ^o	SO.4112
LIGHT		MODEL N ^o	S-4
LOADED		DATE BUILT	1956-57



CAPACITIES		WHEELS: TYPE & CLASS	STEAM GENERATOR	ELECTRICAL EQUIPMENT	
ENG. COOLING WATER	200 IMP. GAL.	A-40 "C"	None	TRACTION MOTORS	AUXILIARY GEN: TYPE & N ^o
LUBRICATING OIL	67 IMP. GAL.			FOUR	G.E. - GMC-139A2
FUEL OIL	530 IMP. GAL.	JOURNALS: TYPE & SIZE	AIR COMPRESSOR	G.E. 731	ALTERNATOR: TYPE & N ^o
SAND STORAGE	27 CU. FT.	Friction 6½" x 12"	Westinghouse 3CD	T.M. BLOWER	
STEAM GEN. WATER	IMP. GAL.			TWO Sturtevant Mechanical Drive	M.U. CONTROL
OPERATING FEATURES		TRUCKS	COOLING FANS	MAIN GENERATOR	Units 8183 and 8192 to 8195 only.
MAX. SPEED	40 -M.P.H.	AAR Type A Model MT-5061	ONE Mechanical Drive	G.E. GT-553A	DYNAMIC BRAKE
GEAR RATIO	75 : 16				No
T.E. STARTING			AIR BRAKE		
T.E. CONTINUOUS	34,000 lbs.		Westinghouse 6 SL		
OPER. CURVE ALONE 50° COUPLED:					

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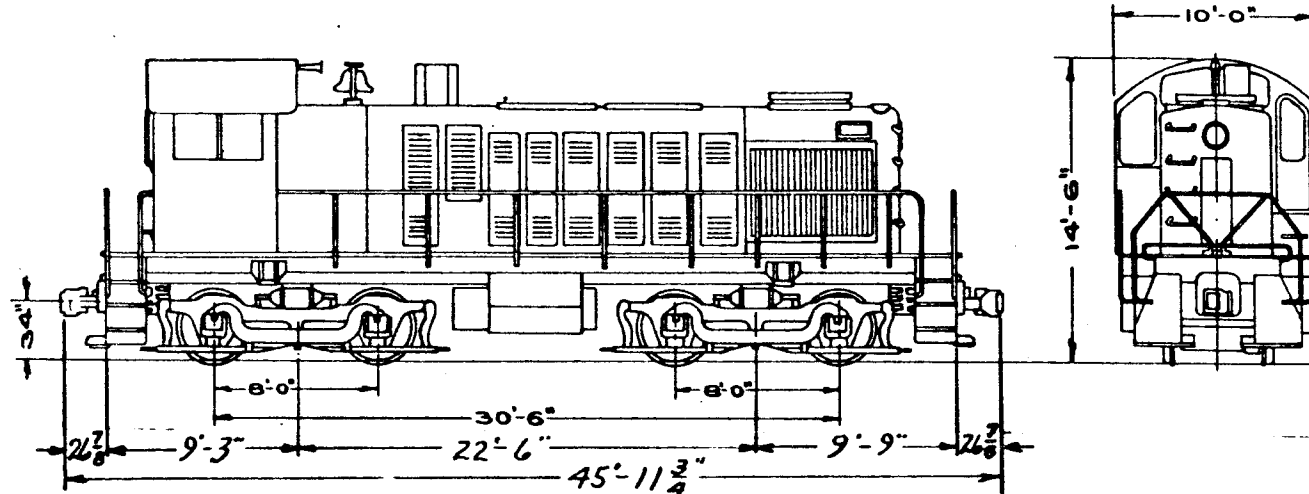
			Hump Control Units 8192 to 8195 Only	Air Signal Line Units 8166, 8192 to 8195 Only	Combination Pilot and Footboard Units 8164, 8170, 8175 to 8180, 8183, 8185 to 8190 and 8194 Only

MECHANICAL DEPARTMENT

DIESEL UNIT DATA BOOK

GTW 8196
MS-10^m To 8205
CLASS NUMBERS

DIESEL ENGINE: 1000 H.P. Alco In Line 539 6 cylinder, 12 $\frac{1}{2}$ " bore, 13" stroke, 740 R.P.M. full speed 315 R.P.M. Idling "	WEIGHT DISTRIBUTION						BUILDER	Alco	
		FR. MIN	REAR MIN.	TOTAL	FR. MAX.	REAR MAX.	TOTAL	ORDER N ^o	SO.21031
	LIGHT	112,160	109,090	221,250	112,190	109,600	221,790	MODEL N ^o	S-4
	LOADED	115,190	115,860	231,050	115,190	115,860	231,050	DATE BUILT	1956



CAPACITIES		WHEELS: TYPE & CLASS A-40 "C"		STEAM GENERATOR None		ELECTRICAL EQUIPMENT			
ENG. COOLING WATER	200 IMP. GAL.	JOURNALS: TYPE & SIZE Friction 6 $\frac{1}{2}$ " x 12"		AIR COMPRESSOR Westinghouse 3CD		TRACTION MOTORS		AUXILIARY GEN: TYPE & No	
LUBRICATING OIL	67 IMP. GAL.					FOUR G.E. 731		G.E. GMG 139	
FUEL OIL	530 IMP. GAL.					T.M. BLOWER Two Sturtevant Mechanical Drive		ALTERNATOR: TYPE & No	
SAND STORAGE	27 CU. FT.							M.U. CONTROL	
STEAM GEN. WATER	- IMP. GAL.	TRUCKS AAR Type A Model MT-50587		COOLING FANS One Mechanical Drive		No			
OPERATING FEATURES		AIR BRAKE Westinghouse 6 SL		MAIN GENERATOR G.E. GT-553		DYNAMIC BRAKE			
MAX. SPEED	40 M.P.H.					No			
GEAR RATIO	75 : 16					No			
T.E. STARTING						No			
T.E. CONTINUOUS	34,000 lbs.								
OPER. CURVE ALONE: 57°	COUPLED: 57°								

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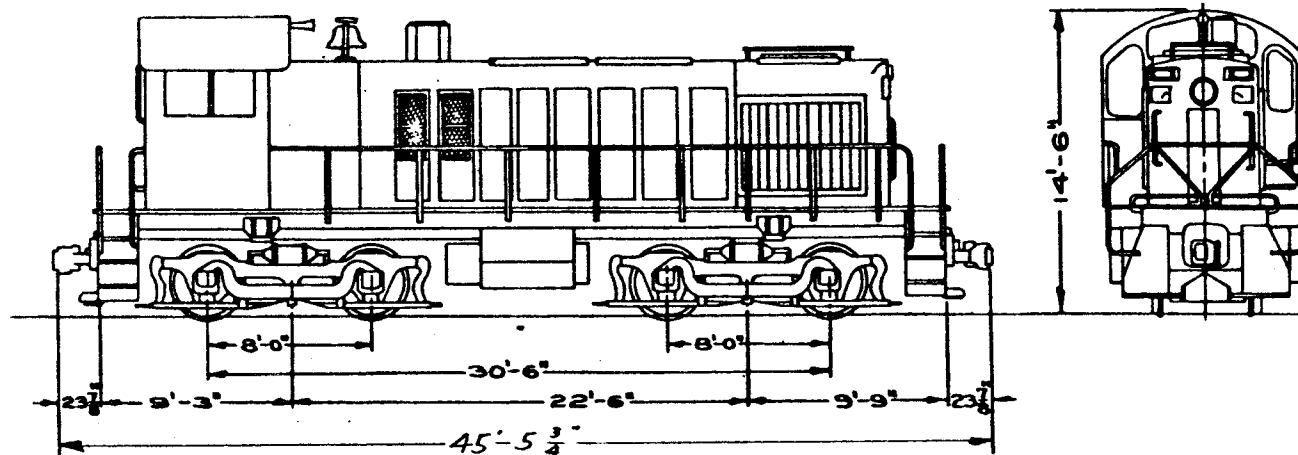
MECHANICAL DEPARTMENT

DIESEL UNIT DATA BOOK

MS-107 ^{To} 8206
CLASS ^{NUMBERS} 8234

DIESEL ENGINE: 1000 H.P.
Aloo D.E.W. In Line 539
6 cylinder, 12½" bore, 13" stroke,
740 R.P.M. full speed
315 R.P.M. Idling "

WEIGHT DISTRIBUTION							BUILDER	M.L.W.
	FR. MIN	REAR MIN.	TOTAL	FR. MAX.	REAR MAX.	TOTAL	ORDER N ^o	S.O.4113
LIGHT							MODEL N ^o	S-7
LOADED						228,000	DATE BUILT	1957



CAPACITIES		WHEELS: TYPE & CLASS	STEAM GENERATOR	ELECTRICAL EQUIPMENT
ENG. COOLING WATER	200 IMP GAL	A-40 "C"	None	TRACTION MOTORS
LUBRICATING OIL	67 IMP GAL			G.E. 731
FUEL OIL	530 IMP GAL	JOURNALS: TYPE & SIZE	AIR COMPRESSOR	4 Motors
SAND STORAGE	27 CU. FT.	Friction 6½" x 12"	Westinghouse 3CD	T.M. BLOWER
STEAM GEN. WATER	- IMP GAL			Two Sturtevant Mechanical Drive
OPERATING FEATURES		TRUCKS	COOLING FANS	MAIN GENERATOR
MAX. SPEED	40 MPH	AAR Type A Model MT-5061	ONE Mechanical Drive	GE GT-553
GEAR RATIO	16 : 75			
T.E. STARTING			AIR BRAKE	
T.E. CONTINUOUS	34,000		6 SL	
OPER. CURVE ALONE: 57°	COMBLED: 57°			
				AUXILIARY GEN: TYPE & N ^o
				G.E. GNG-139 PA3
				ALTERNATOR: TYPE & N ^o
				M.U. CONTROL
				No
				DYNAMIC BRAKE
				No

		Fully Automatic Transition	Standby Heater Unit 8219 Only	Snowplow Electrical Combination Units 8209 to 8211 and 8222 Only	Combination Pilot and Footboard Excluding Units 8207, 8211, 8217, 8220, 8227, 8231 to 8234

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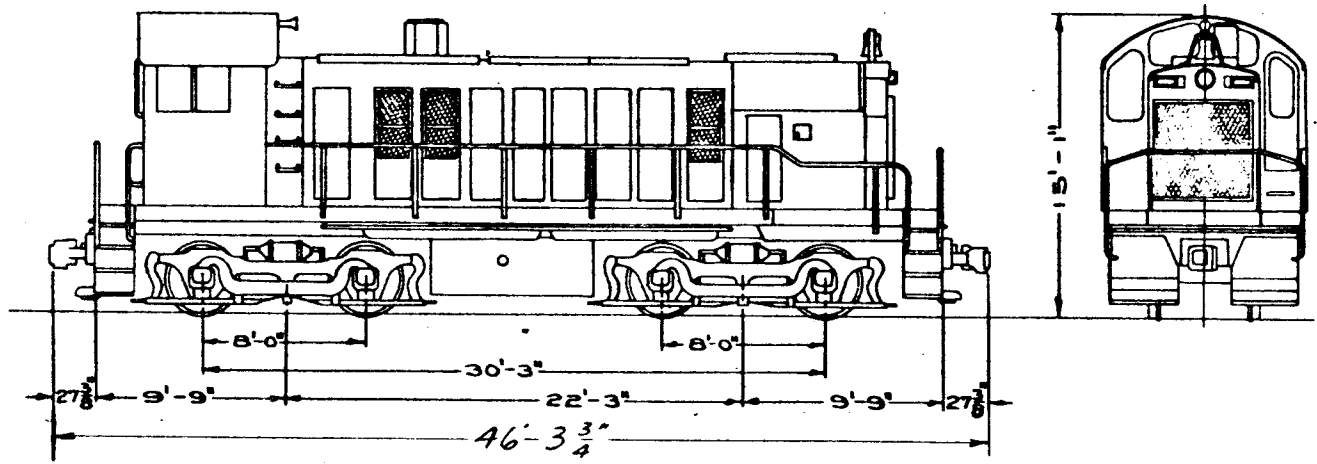
MECHANICAL DEPARTMENT

DIESEL UNIT DATA BOOK

MS-10 p CLASS
 8235 TO 8245 NUMBERS

DIESEL ENGINE: 1000 H.P.
 Alco 539 In Line 539
 6 Cylinder 12½" bore 13" stroke
 740 RPM full speed
 315 RPM Idling "

		WEIGHT			DISTRIBUTION			BUILDER	M.L.W.
		FR. MIN	REAR MIN.	TOTAL	FR. MAX.	REAR MAX.	TOTAL	ORDER N ^o	
LIGHT								MODEL N ^o	DL-410
LOADED							232,000	DATE BUILT	1958



CAPACITIES		WHEELS: TYPE & CLASS	STEAM GENERATOR	ELECTRICAL EQUIPMENT
ENG. COOLING WATER	260 IMP. GAL.	A-40 "C"	None	TRACTION MOTORS
LUBRICATING OIL	67 IMP. GAL.			FOUR
FUEL OIL	570 IMP. GAL.	JOURNALS: TYPE & SIZE	AIR COMPRESSOR	G.E. 731
SAND STORAGE	27 CU. FT.	Friction 6½" x 12"	Westinghouse 3CD	AUXILIARY GEN: TYPE & N ^o
STEAM GEN. WATER	- IMP. GAL.			G.E. GMC-139
OPERATING FEATURES		TRUCKS	COOLING FANS	ALTERNATOR: TYPE & N ^o
MAX. SPEED	40 M.P.H.	AAR Type A	One Mechanical Drive	
GEAR RATIO	75 : 16	Model MT-5062		M.U. CONTROL
T.E. STARTING			AIR BRAKE	No
T.E. CONTINUOUS	34,000		Westinghouse 6 SL	DYNAMIC BRAKE
OPER. CURVE ALONE: 57°	COUPLED: 57°			No

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			Standby Heater Unit 8244 Only	Combination Pilot and Footboard Excluding Units 8237, 8243 and 8245	Low M.P.H. Control Units 8240 to 8242 Only

MECHANICAL DEPARTMENT

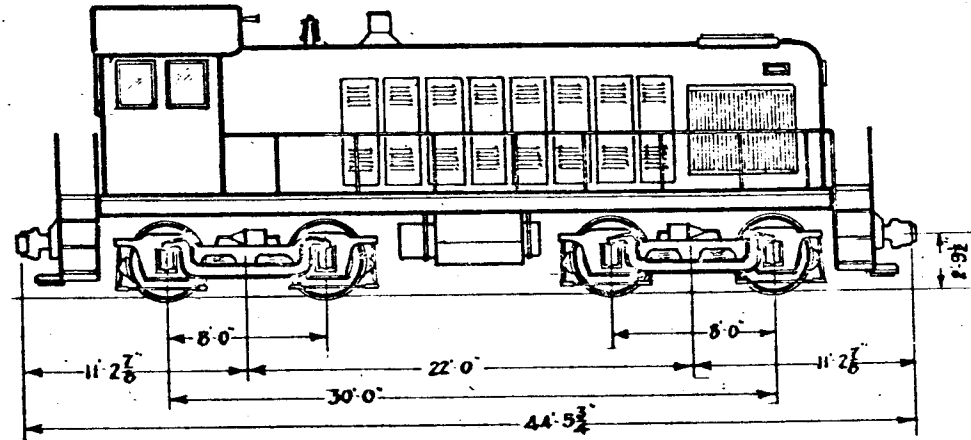
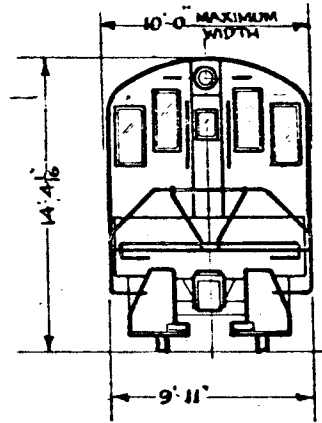
DIESEL UNIT DATA BOOK

MS-7_e To 8460
 CLASS NUMBERS

DIESEL ENGINE: 660 H.P.
 Alco D.E.W. In Line 539
 6 cylinder, 12½" bore, 13" stroke,
 740 R.P.M. full speed
 275 R.P.M. Idling "

	WEIGHT			DISTRIBUTION		
	FR. MIN	REAR MIN.	TOTAL	FR. MAX	REAR MAX	TOTAL
LIGHT						
LOADED						198,000

BUILDER	M.L.W.
ORDER N ^o	SO.4002
MODEL N ^o	S-3
DATE BUILT	1952



Retired
 8450 to
 8454
 8456 to
 8458
 8460

CAPACITIES	
ENG. COOLING WATER	185 IMP. GAL.
LUBRICATING OIL	67 IMP. GAL.
FUEL OIL	530 IMP. GAL.
SAND STORAGE	27 CU. FT.
STEAM GEN. WATER	- IMP. GAL.

WHEELS: TYPE & CLASS A-40 "C"
JOURNALS: TYPE & SIZE Friction 6½" x 12"
TRUCKS AAR Type A Model MT-5020

STEAM GENERATOR None
AIR COMPRESSOR Westinghouse 3 CD
COOLING FANS One Mechanical Drive
AIR BRAKE Westinghouse EL-14

ELECTRICAL EQUIPMENT	
TRACTION MOTORS FOUR G.E. 731	AUXILIARY GEN: TYPE & N ^o G.E. G.M.G. 139A1
T.M. BLOWER TWO Sturtevant Mechanical Drive	ALTERNATOR: TYPE & N ^o
MAIN GENERATOR G.E. G.T. 552-A	M.U. CONTROL
	DYNAMIC BRAKE No

OPERATING FEATURES	
MAX. SPEED	40 M.P.H.
GEAR RATIO	75 : 16
T.E. STARTING	
T.E. CONTINUOUS	30,000 lbs.
OPER. CURVE ALONE: 115°	COUPLED:

			Standby Heater	Combination Pilot and Footboard	Air Signal Line Unit 8455 Only

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MECHANICAL DEPARTMENT

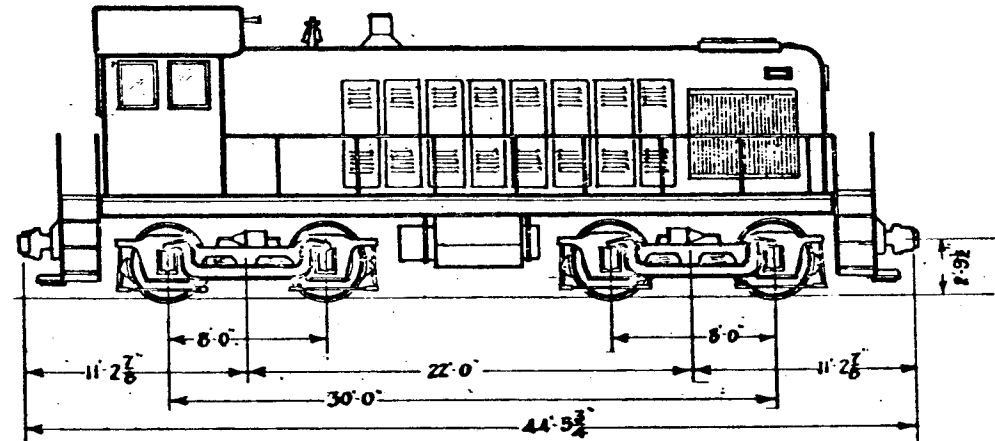
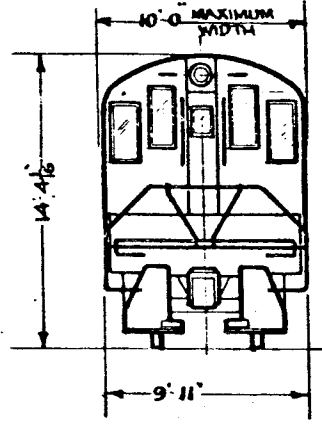
DIESEL UNIT DATA BOOK

MS-76 CLASS ⁸⁴⁶³To ⁸⁴⁸³ NUMBERS

DIESEL ENGINE : 660 H.P.
 Also D.E.W. in line 539
 6 cylinder, 12 1/2" bore, 13" stroke,
 740 R.P.M. full speed
 275 R.P.M. Idling "

WEIGHT DISTRIBUTION	WEIGHT			DISTRIBUTION		
	FR. MIN	REAR MIN.	TOTAL	FR. MAX.	REAR MAX.	TOTAL
LIGHT						
LOADED						199,000

BUILDER	M.L.W.
ORDER N ^o	SO.4007
MODEL N ^o	S-3
DATE BUILT	1953



Retired
 8463 to
 8472
 8474 to
 8483

CAPACITIES		WHEELS : TYPE & CLASS A-40 "C"	STEAM GENERATOR -	ELECTRICAL EQUIPMENT	
ENG. COOLING WATER	183 IMP. GAL.			JOURNALS: TYPE & SIZE Friction 6 1/2" x 12"	AIR COMPRESSOR Westinghouse 3CD
LUBRICATING OIL	67 IMP. GAL.	TRUCKS AAR Type A Model MT-5020	COOLING FANS One Mechanical Drive	T.M. BLOWER TWO Sturtevant Mechanical Drive	ALTERNATOR : TYPE & N ^o
FUEL OIL	520 IMP. GAL.			AIR BRAKE Westinghouse EL-14	MAIN GENERATOR G.E. G.T.552-A
SAND STORAGE	27 CU. FT.				DYNAMIC BRAKE No
STEAM GEN. WATER	- IMP. GAL.				
OPERATING FEATURES					
MAX. SPEED	40 M.P.H.				
GEAR RATIO	75 : 16				
T.E. STARTING					
T.E. CONTINUOUS	30,000 lbs.				
OPER. CURVE ALONE: 115°	COUPLED:				

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			Standby Heater	Combination Pilot and Footboard

MECHANICAL DEPARTMENT

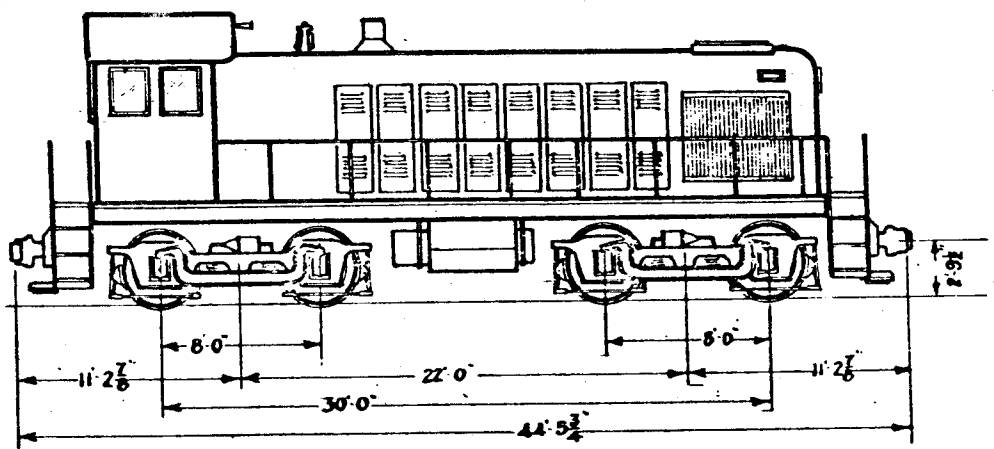
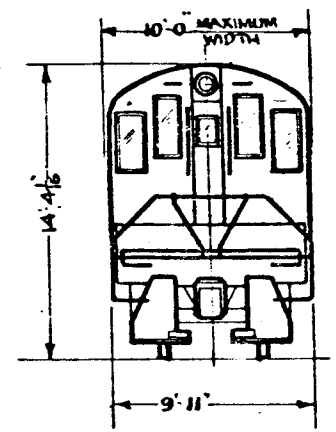
DIESEL UNIT DATA BOOK

MS-7c CLASS To 8484
8498 NUMBERS

DIESEL ENGINE: 660 H.P.
Also D.E.W. in line 539
6 cylinder 12½" bore, 13" stroke,
740 R.P.M. Full speed
275 R.P.M. Idling "

	WEIGHT			DISTRIBUTION		
	FR. MIN	REAR MIN.	TOTAL	FR. MAX.	REAR MAX.	TOTAL
LIGHT						
LOADED						199,000

BUILDER	M.L.W.
ORDER N ^o	SO.4009
MODEL N ^o	S-3
DATE BUILT	1954



Retired
8485 to
8495
8497
8498

CAPACITIES	
ENG. COOLING WATER	163 IMP. GAL.
LUBRICATING OIL	67 IMP. GAL.
FUEL OIL	530 IMP. GAL.
SAND STORAGE	27 CU. FT.
STEAM GEN. WATER	- IMP. GAL.

WHEELS: TYPE & CLASS
A-40 "C"
JOURNALS: TYPE & SIZE
Friction 6½" x 12"

STEAM GENERATOR
-
AIR COMPRESSOR
Westinghouse 3 CD

ELECTRICAL EQUIPMENT
TRACTION MOTORS
FOUR G.E. 731
T.M. BLOWER
Two Sturtevant Mechanical Drive
MAIN GENERATOR
G.E. GT 552-A

AUXILIARY GEN: TYPE & N ^o
G.E. GMC 139 A1
ALTERNATOR: TYPE & N ^o

OPERATING FEATURES	
MAX. SPEED	40 M.P.H.
GEAR RATIO	75 - 16
T.E. STARTING	
T.E. CONTINUOUS	30,000 lbs.
OPER. CURVE ALONE: 115°	COUPLED:

TRUCKS
AAR Type A Model MT-5020

COOLING FANS
One Mechanical Drive
AIR BRAKE
Westinghouse 6-SL

MAIN GENERATOR
G.E. GT 552-A

M.U. CONTROL
DYNAMIC BRAKE
No

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			Combination Pilot and Footboard	Standby Heater Unit 8496 Only

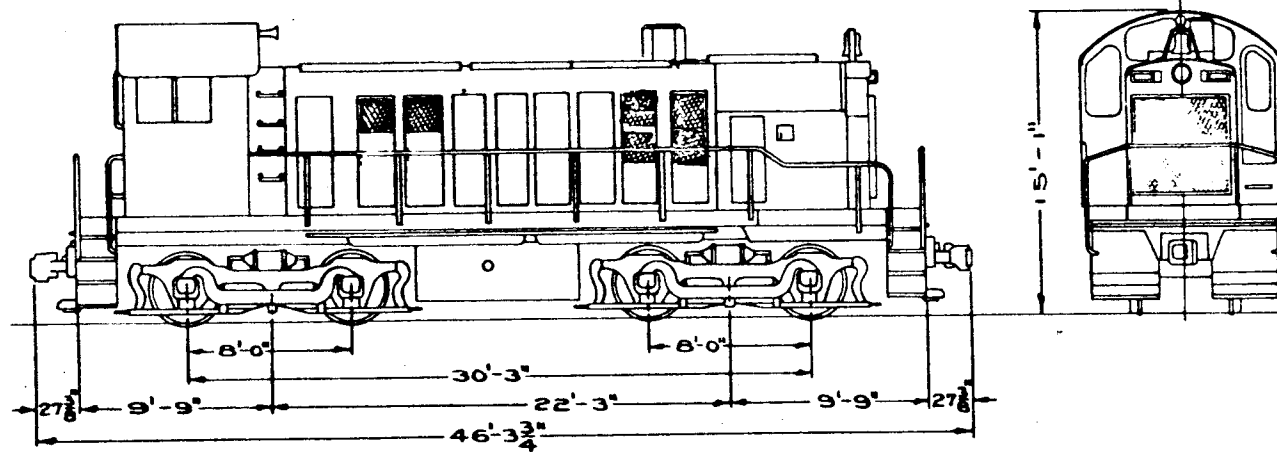
MECHANICAL DEPARTMENT

DIESEL UNIT DATA BOOK

MS-10q CLASS 8500 To 8522 NUMBERS

DIESEL ENGINE: 1000 H.P.
 Alco D.E.W. 251B in line
 6 cylinder, 9" bore, 10½" stroke
 1025 R.P.M. Full speed.
 375 R.P.M. Idling speed.

WEIGHT DISTRIBUTION							BUILDER	M.L.W.
	FR. MIN	REAR MIN.	TOTAL	FR. MAX.	REAR MAX.	TOTAL	ORDER N ^o	DL-411
LIGHT							MODEL N ^o	DL-411
LOADED						233,000	DATE BUILT	1959



CAPACITIES		WHEELS: TYPE & CLASS	STEAM GENERATOR	ELECTRICAL EQUIPMENT	
ENG. COOLING WATER	92 IMP. GAL.	A - 40 "C"	None	TRACTION MOTORS	AUXILIARY GEN: TYPE & N ^o
LUBRICATING OIL	120 IMP. GAL.	JOURNALS: TYPE & SIZE	AIR COMPRESSOR	Four G.E. 731	G.G.E. GMC-490
FUEL OIL	600 IMP. GAL.	Friction 6½"x 12"	Westinghouse 3 CDC	T.M. BLOWER MOTORS	ALTERNATOR: TYPE & N ^o
SAND STORAGE	27 CU. FT.	TRUCKS	COOLING FANS	Two Sturtevant Mechanical Drive	M.U. CONTROL No.
STEAM GEN. WATER	- IMP. GAL.	AAR Type A Model MT-5063	One Koppers Mechanical Drive	MAIN GENERATOR	DYNAMIC BRAKE No
OPERATING FEATURES			AIR BRAKE	5 GT-740 PA1	
MAX. SPEED	40 M.P.H		Westinghouse 6 SL		
GEAR RATIO	75 : 16				
T.E. STARTING					
T.E. CONTINUOUS	36,000 lbs.				
OPER. CURVE ALONE: 57°	COUPLED: 57°				

Standby Heater
 Units 8513 to 8522
 Only

DEC 31 1974

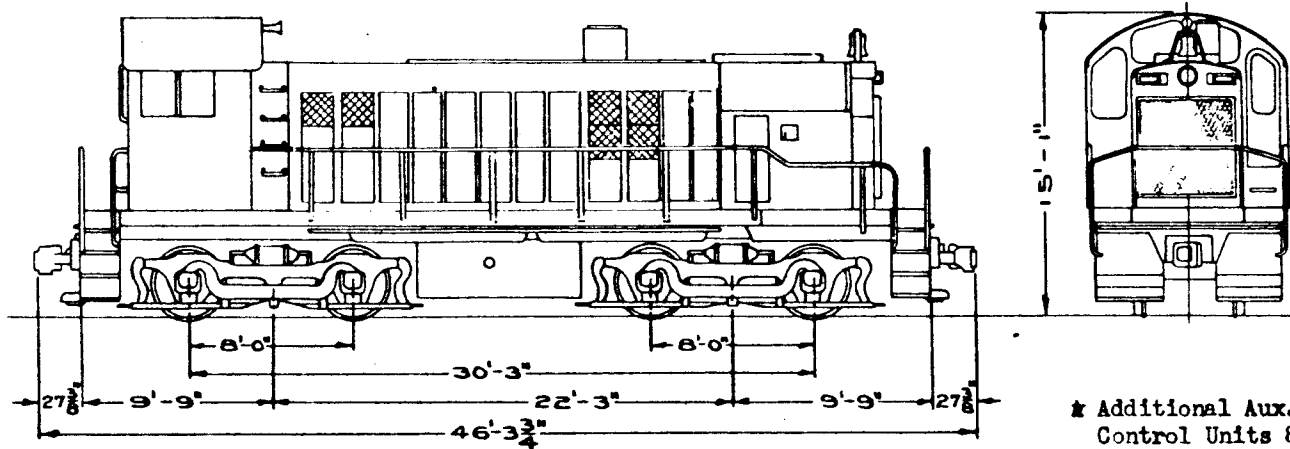
MECHANICAL DEPARTMENT

DIESEL UNIT DATA BOOK

MS-10r CLASS To 8600 8625 NUMBERS

DIESEL ENGINE: 1000 H.P.
 Alco D.E.W. 251_B In Line
 6 cylinder, 9" bore, 10 $\frac{1}{2}$ " stroke,
 1025 R.P.M. Full speed.
 375 R.P.M. Idling speed.

		WEIGHT DISTRIBUTION			BUILDER		M.L.W.	
		FR. MIN	REAR MIN.	TOTAL	FR. MAX.	REAR MAX.	TOTAL	
LIGHT								
LOADED							246,000	
							ORDER N ^o	4123
							MODEL N ^o	DL-411A
							DATE BUILT	1959



* Additional Aux. Gen. on Hump Control Units 8604, 8606, 8614 to 8625.

CAPACITIES		WHEELS: TYPE & CLASS	STEAM GENERATOR	ELECTRICAL EQUIPMENT	
ENG. COOLING WATER	92 IMP. GAL.	A-40 "C"	None	TRACTION MOTORS	AUXILIARY GEN: TYPE & N ^o
LUBRICATING OIL	120 IMP. GAL.			FOUR	C.G.E. GMG 490
FUEL OIL	600 IMP. GAL.	JOURNALS: TYPE & SIZE	AIR COMPRESSOR	G.E. 752	* G.E. 5 GY-24 A
SAND STORAGE	27 CU. FT.	Friction 6 $\frac{1}{2}$ " x 12"	Westinghouse 3 CDC	T.M. BLOWER MOTORS	ALTERNATOR: TYPE & N ^o
STEAM GEN. WATER	- IMP. GAL.			Two Sturtevant Mechanical Drive	M.U. CONTROL
OPERATING FEATURES		TRUCKS	COOLING FANS	MAIN GENERATOR	Yes
MAX. SPEED	40 M.P.H.	AAR Type A	One Koppers Mechanical Drive	C.G.E. GT-740	DYNAMIC BRAKE
GEAR RATIO	74 : 18	Model MT - 5065			No
T.E. STARTING			AIR BRAKE		
T.E. CONTINUOUS	47,000 lbs.		Westinghouse 26 L		
OPER. CURVE ALONE: 57 ^o	COUPLED: 57 ^o				

DEC 31 1974

	Fully Automatic Transition	Hump Control	Speed Indicator Units 8601, 8604, 8606, 8614 to 8625 Only	Units equipped as Lead Units - Switchers Units 8604, 8606, 8614 to 8625 only	Units equipped as Trail Units-Switchers Units 8600 to 8603, 8605, 8607 to 8613 Only

MECHANICAL DEPARTMENT

DIESEL UNIT DATA BOOK

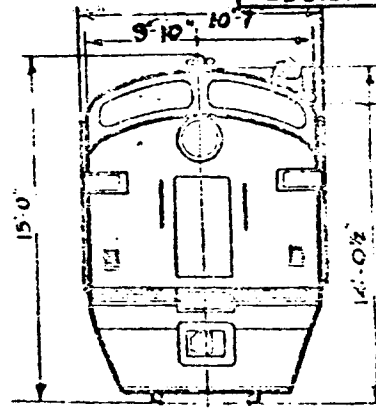
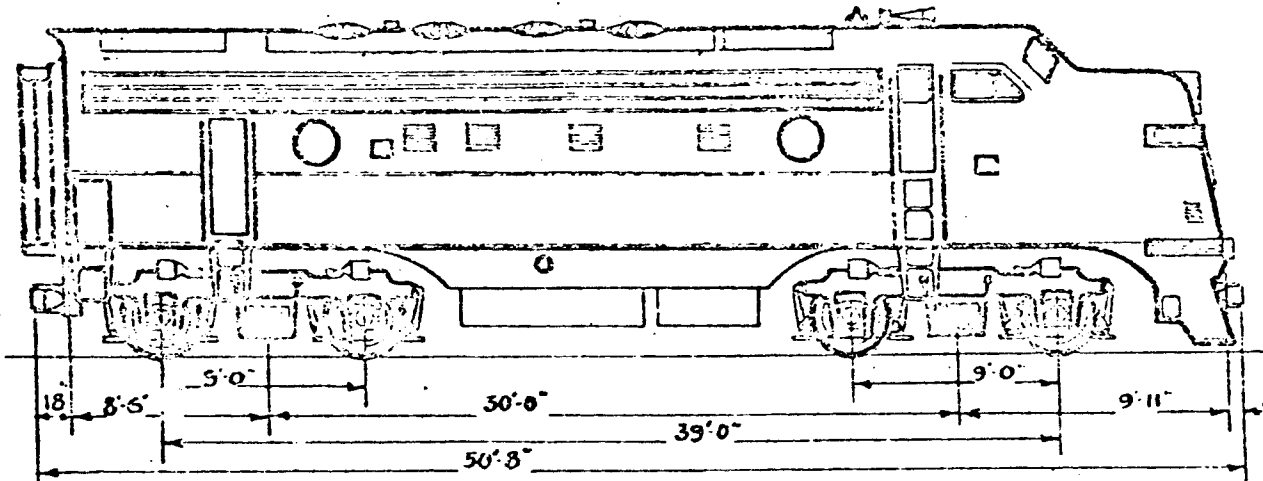
GFA-17-a **9150-9179**
CLASS NUMBERS

DIESEL ENGINE: 1750 H.P.
G.M.D. 567 EC V Type
16 Cylinder, 8 1/2" Bore, 10" Stroke
835 R.P.M. Full speed
275 " Idling "

Orig. Nos.	New Nos.
9084	9150
9094	9151
9034	9152
9070	9153
9096	9154
9040	9155
9060	9156
9064	9157
9080	9158
9038	9159
9076	9160
9142	9161
9140	9162
9116	9163
9128	9164
9104	9165
9110	9166
9100	9167
9052	9168
9042	9169
9106	9170
9015	9171
9072	9172
9118	9173
9082	9174
9132	9175
9114	9176
9088	9177
9056	9178
9120	9179

ORIGINAL BUILDER		G.M.
TOTAL WEIGHT LOADED	ORDER N ^o	C114, C145
229,000	MODEL N ^o	F-7A
	DATE BUILT	1952

REBUILT TRANSCONA
1972-73
1974



CAPACITIES		WHEELS: TYPE & CLASS	STEAM GENERATOR	ELECTRICAL EQUIPMENT	
ENG. COOLING WATER	192 IMP. GAL.	D-40 "C"	None	TRACTION MOTORS	AUXILIARY GEN: TYPE & NO
LUBRICATING OIL	167 IMP. GAL.	JOURNALS: TYPE & SIZE	AIR COMPRESSOR	G.M.D. D47B/D77	Delco
FUEL OIL	1000 IMP. GAL.	Hyatt 6 1/2" x 12"	Gardner Denver WBO	4 Motors	18 KW A-8102
SAND STORAGE	16 CU. FT.	TRUCKS	COOLING FANS	T.M. BLOWER MOTORS	ALTERNATOR: TYPE & NO
STEAM GEN. WATER	- IMP. GAL.	SWING BOLSTER	Four - Delco	Four - Delco	G.M. D-14
OPERATING FEATURES			AIR BRAKE	MAIN GENERATOR	M.U. CONTROL
MAX. SPEED	65 M.P.H.		Westinghouse 24 R.L.	G.M.D. D-12	Yes
GEAR RATIO	62 - 15			Seal Beam Headlight	DYNAMIC BRAKE
T.E. STARTING					No
T.E. CONTINUOUS	44,000 lbs.				EL Transition
OPER. CURVE ALONE	230				
	COUPLED:				

DEC 31 1974

Fully Automatic Transition	Four-Speed Solenoid Governor Control	Speed Recorder - Indicator	Steam Generator Remote Control Panel	Auxiliary Generator Trainline
Air Signal Line	Seal beam HL with Trainline Control	Elect. Pneumatic and Auto-Sanding Feature	Automatic Locomotive Testing	Combination Pilot and Footboard

MECHANICAL DEPARTMENT

DIESEL UNIT DATA BOOK

GFB-17-a 9190-9199

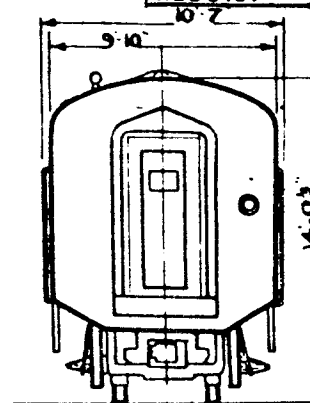
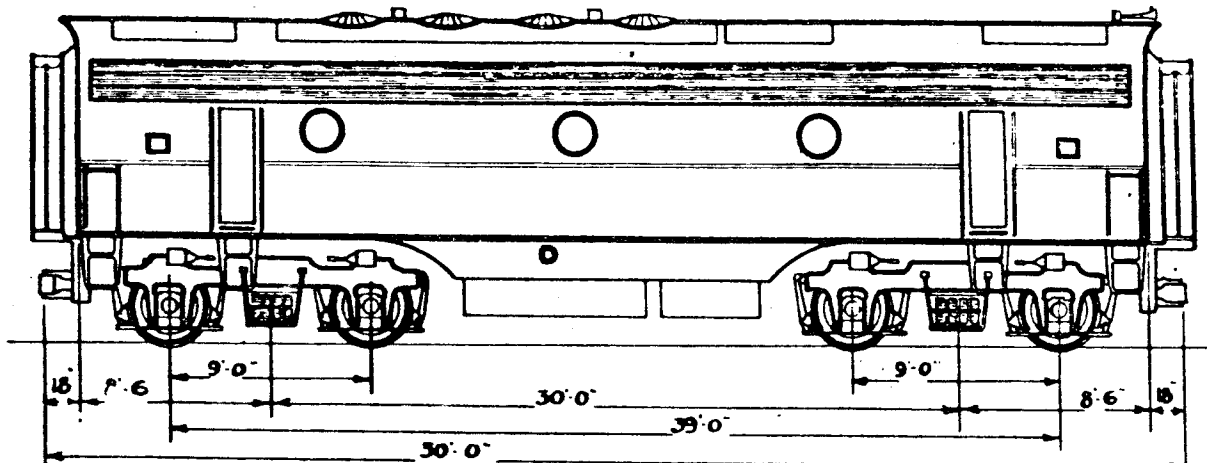
CLASS NUMBERS

DIESEL ENGINE: 1750 H.P.
 G.M.D. 567 BC V Type
 16 Cylinder, 8 1/2" Bore, 16" Stroke
 835 R.P.M. Full speed
 275 R.P.M. Idling speed

Crif. No.	9039	9031	9063	9057	9035	9059	9053	9029	9037	9041
New Nos.	9190	9191	9192	9193	9194	9195	9196	9197	9198	9199

ORIGINAL BUILDER		G.M.
TOTAL WEIGHT	ORDER N ^o	C114,C137
LOADED	MODEL N ^o	F7B
230,000	DATE BUILT	1951-1952

REBUILT TRANSCONA
 1972-73



CAPACITIES		WHEELS: TYPE & CLASS	STEAM GENERATOR	ELECTRICAL EQUIPMENT
ENG. COOLING WATER	180 IMP. GAL.	D-40 "C"	None	TRACTION MOTORS
LUBRICATING OIL	167 IMP. GAL.	JOURNALS: TYPE & SIZE	AIR COMPRESSOR	G.M.D. D47B/D77
FUEL OIL	1000 IMP. GAL.			4 Motors
SAND STORAGE	16 CU. FT.	Hyatt 6 1/2" x 12"	Gardner Denver WBO	T.M. BLOWER MOTORS
STEAM GEN. WATER	- IMP. GAL.	TRUCKS	COOLING FANS	Four - Delco
OPERATING FEATURES		Swing Bolster	Four - Delco	MAIN GENERATOR
MAX. SPEED	65 M.P.H.		AIR BRAKE	G.M. D-12
GEAR RATIO	62 - 15		Westinghouse 24 R.L.	AUXILIARY GEN: TYPE & N ^o
T.E. STARTING				Delco
T.E. CONTINUOUS	44,000 lbs.			18 KW A-8102
OPER. CURVE ALONE: 25 ^o	COUPLED:			ALTERNATOR: TYPE & N ^o
				G.M. D-14
				M.U. CONTROL
				Yes
				DYNAMIC BRAKE
				No
				El Transition

DEC 31 1974

Fully Automatic Transition	Four-Speed Solenoid Governor Control	Auxiliary Generator Trainline	Air Signal Line	Elect. Pneumatic and Auto-Sanding Feature	Automatic Locomotive Testing

MECHANICAL DEPARTMENT

DIESEL UNIT DATA BOOK

GFB-17-a 9190-9199

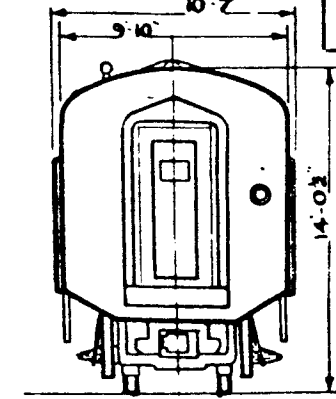
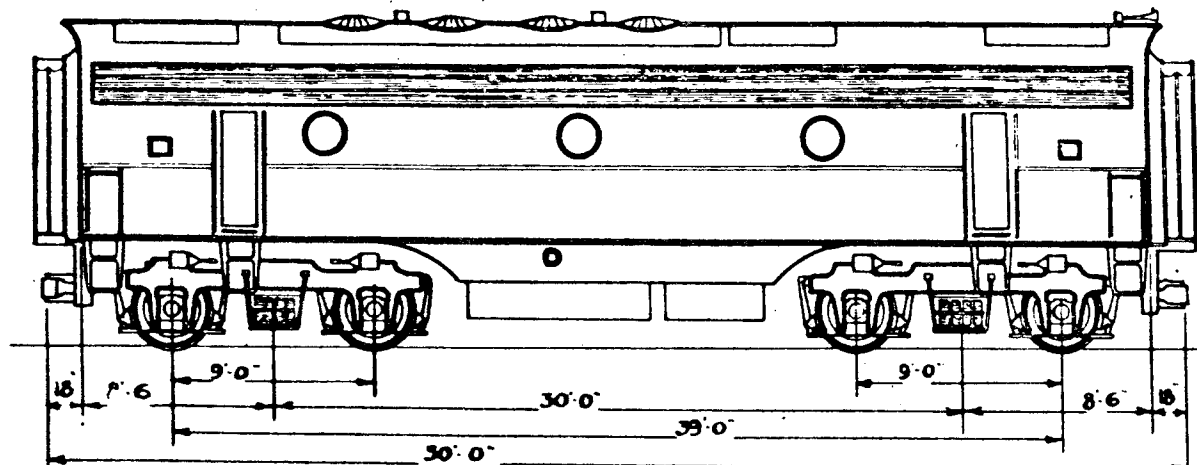
CLASS NUMBERS

DIESEL ENGINE: 1750 H.P.
 G.M.D. 567 BC V Type
 16 Cylinder, 8 1/2" Bore, 10" Stroke
 835 R.P.M. Full speed
 275 R.P.M. Idling speed

New	Crit.	
Nos.	Nos.	
9190	9039	
9191	9031	
9192	9063	
9193	9057	
9194	9035	
9195	9059	
9196	9053	
9197	9029	
9198	9037	
9199	9041	

ORIGINAL BUILDER		G.M.
TOTAL WEIGHT	ORDER N ^o	C114,C137
LOADED	MODEL N ^o	F7B
230,000	DATE BUILT	1951-1952

REBUILT TRANSCONA
 1972-73



CAPACITIES		WHEELS: TYPE & CLASS	STEAM GENERATOR	ELECTRICAL EQUIPMENT
ENG. COOLING WATER	180 IMP. GAL.	D-40 "C"	None	TRACTION MOTORS
LUBRICATING OIL	167 IMP. GAL.	JOURNALS: TYPE & SIZE	AIR COMPRESSOR	G.M.D. D47B/D77 4 Motors
FUEL OIL	1000 IMP. GAL.	Hyatt 6 1/2" x 12"	Gardner Denver WBO	T.M. BLOWER MOTORS
SAND STORAGE	16 CU. FT.	TRUCKS	COOLING FANS	Four - Delco
STEAM GEN. WATER	- IMP. GAL.	Swing Bolster	AIR BRAKE	MAIN GENERATOR
OPERATING FEATURES			Westinghouse 24 R.L.	G.M. D-12
MAX. SPEED	65 M.P.H.			
GEAR RATIO	62 - 15			
T.E. STARTING				
T.E. CONTINUOUS	44,000 lbs.			
OPER. CURVE ALONE: 23 ^o	COUPLED:			
				AUXILIARY GEN: TYPE & N ^o Delco 18 KW A-8102
				ALTERNATOR: TYPE & N ^o G.M. D-14
				M.U. CONTROL Yes
				DYNAMIC BRAKE No El Transition

DEC 31 1974

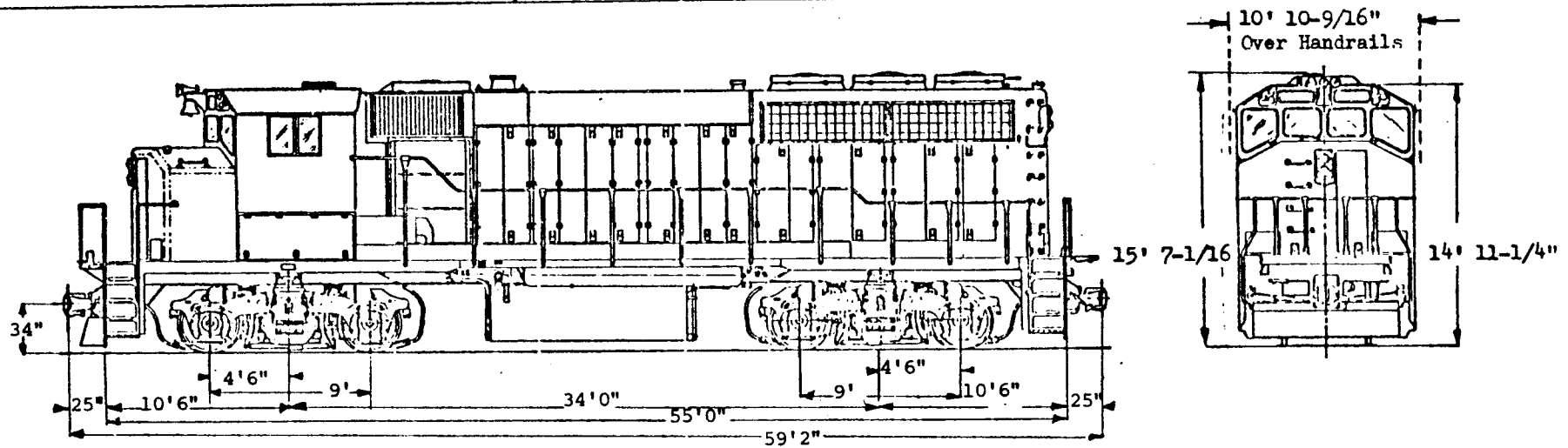
Fully Automatic Transition	Four-Speed Solenoid Governor Control	Auxiliary Generator Trainline	Air Signal Line	Elect. Pneumatic and Auto-Sanding Feature	Automatic Locomotive Testing

MECHANICAL DEPARTMENT

DIESEL UNIT DATA BOOK

GF-430a 9400-9490
CLASS NUMBERS

DIESEL ENGINE : 3000 HP GM 16-645E3 2 CYCLE 9-1/16" BORE, 10" STROKE 315 RPM IDLE SPEED 900 RPM FULL SPEED	WEIGHT DISTRIBUTION						BUILDER	GM
		FR. MIN	REAR MIN.	TOTAL	FR. MAX.	REAR MAX.	ORDER N ^o	C-365
	LIGHT						MODEL N ^o	GP40-2L
	LOADED					262,000	DATE BUILT	1974



CAPACITIES			WHEELS : TYPE & CLASS	STEAM GENERATOR	ELECTRICAL EQUIPMENT
ENG. COOLING WATER	245	IMP. GAL.	D-40 CR	NO	TRACTION MOTORS
LUBRICATING OIL	202.5	IMP. GAL.	JOURNALS: TYPE & SIZE	AIR COMPRESSOR	4 - GM D77B
FUEL OIL	3000	IMP. GAL.	HYATT 6 1/2" x 12"	GARDNER DENVER WBO 8101	AUXILIARY GEN: TYPE & N ^o
SAND STORAGE	36	CU. FT.	TRUCKS	COOLING FANS	18 KW A-8102A3
STEAM GEN. WATER	--	IMP. GAL.	SWING BOLSTER	3 - 48" FANS	ALTERNATOR: TYPE & N ^o
OPERATING FEATURES			Note: - 76 MPH	AIR BRAKE	GM D14
MAX. SPEED	SEE NOTE	M.P.H	9400-9449 60:17 RATIO	WESTINGHOUSE	M.U. CONTROL
GEAR RATIO	SEE NOTE		47,000# T.E.C.	26 LUM	YES
T.E. STARTING			9450-9490 - 65 MPH		DYNAMIC BRAKE
T.E. CONTINUOUS	SEE NOTE		62:15 RATIO		NO
OPER. CURVE ALONE: 42°	COUPLED: 24°		50,000# T.E.C.		

DEC 31 1974

Fully Automatic Transition	Four-Speed Solenoid Governor Control	Speed Indicator	Seal Beam HL with Trainline Control	Elect. Pneumatic and Auto-Sanding Feature
Automatic Locomotive Testing	Snowplow Pilot #1 End No Footboards #2 End		Straight Air (Snowplow Service)	Positive Traction Control

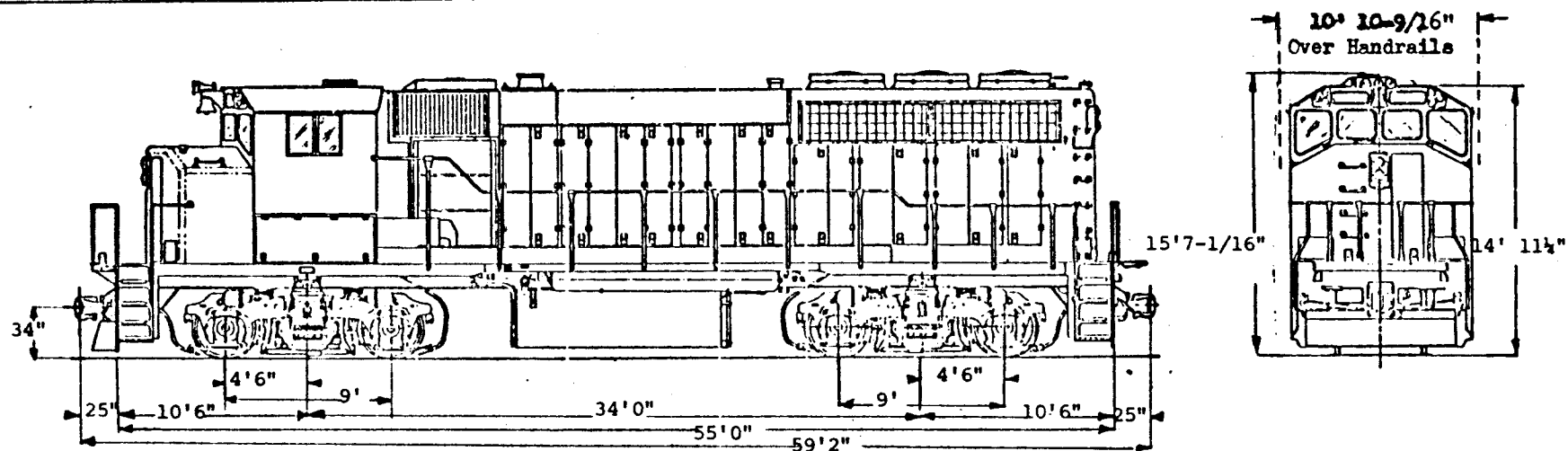
MECHANICAL DEPARTMENT

DIESEL UNIT DATA BOOK

GF-430b 9491-9530
CLASS NUMBERS

DIESEL ENGINE : 3000 HP
GM 16-645E3 - 2 CYCLE
9-1/16" BORE, 10" STROKE
315 RPM IDLE SPEED
900 RPM FULL SPEED

WEIGHT DISTRIBUTION						BUILDER	GM
	FR. MIN	REAR MIN.	TOTAL	FR. MAX.	REAR MAX.	ORDER N ^o	C-372
LIGHT						MODEL N ^o	GP40-2L
LOADED						DATE BUILT	1974
						262,000	



CAPACITIES		WHEELS : TYPE & CLASS	STEAM GENERATOR	ELECTRICAL EQUIPMENT	
ENG. COOLING WATER	245 IMP. GAL.			D40 CR	NO
LUBRICATING OIL	202.5 IMP. GAL.	JOURNALS: TYPE & SIZE	AIR COMPRESSOR	4 - GM D77B	18 KW A8102A3
FUEL OIL	3000 IMP. GAL.			Gardner Denver WBO 8101	T.M. BLOWER MOTORS
SAND STORAGE	36 CU. FT.	HYATT 6 1/2" x 12"	COOLING FANS	ONE - MECHANICAL DROVE	GM D14
STEAM GEN. WATER	IMP. GAL.	TRUCKS	AIR BRAKE	MAIN GENERATOR	M.U. CONTROL
OPERATING FEATURES		SWING BOLSTER	3 - 48"		GM AR10A6
MAX. SPEED	65 M.P.H		WESTINGHOUSE 26 LUM		DYNAMIC BRAKE
GEAR RATIO	62:15				NO
T.E. STARTING					
T.E. CONTINUOUS	50,000 LBS.				
OPER. CURVE ALONE	42° COUPLER 24°				

DEC 31 1974

Fully Automatic Transition	Four-Speed Solenoid Governor Control	Speed Indicator	Seal beam HL with Trainline Control	Elect. Pneumatic and Auto-Sanding Feature
Automatic Locomotive Testing	Snowplow Pilot #1 End. - No footboards #2 End.		Straight Air (Snowplow Service)	Positive Traction Control

MECHANICAL DEPARTMENT

DIESEL UNIT DATA BOOK

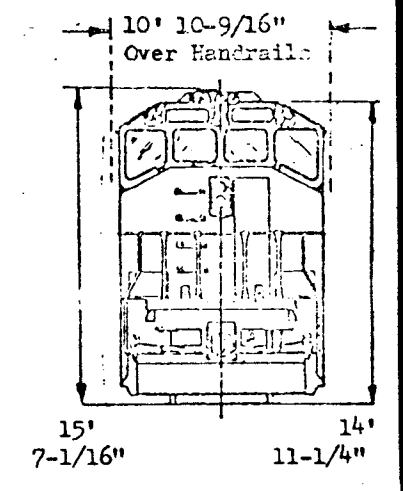
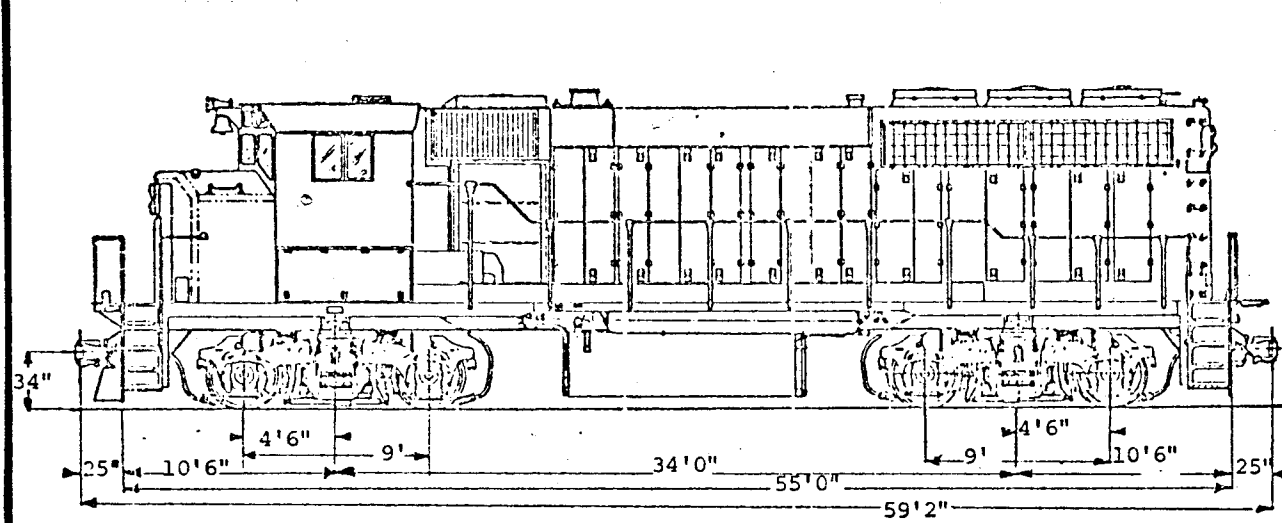
GF-430c

9531-9632

CLASS NUMBERS

DIESEL ENGINE: 16-645E3
3000 HP, 900 RPM, 16 Cylinder
Turbocharged Two-Cycle
Diesel Engine

WEIGHT	TOTAL	BUILDER	D.D.GMC
	233,000	ORDER N ^o	C-376
LIGHT LOADED	263,000	MODEL N ^o	GP40-2
		DATE BUILT	1975



RETIRED

CAPACITIES		WHEELS: TYPE & CLASS	STEAM GENERATOR	ELECTRICAL EQUIPMENT	
ENG. COOLING WATER	229 IMP. GAL.	AAR Design D-40		TRACTION MOTORS	AUXILIARY GEN: TYPE & N^o
LUBRICATING OIL	202.5 IMP. GAL.	Material Class "CR"		GM D77	CANRON Model A-8102-
FUEL OIL	3000 IMP. GAL.	Heumann Profile		1050 AMP	A-3, 225 AMP, 18 KW
SAND STORAGE	38 CU. FT.	JOURNALS: TYPE & SIZE	AIR COMPRESSOR	357 KW	ALTERNATOR: TYPE & N^o
STEAM GEN. WATER	IMP. GAL.	Hyatt Roller Bearings	GARDNER DENVER, Model WBO	T.M. BLOWER MOTORS	GM D14
		6-1/2"	8101, One Stage, 3-Cylinder	Blower is direct	215 V @ 120 Hz & 900 RPM
			Water Cooled, 254 CFM	driven from engine	M.U. CONTROL
OPERATING FEATURES		TRUCKS	COOLING FANS		Yes
MAX. SPEED	67 M.P.H.	Reduced Maintenance, Fully	DELCO Inverted squirrel	MAIN GENERATOR	
GEAR RATIO	62:15	Flexible Bolster, Swing	cage type	GM AR10A6	DYNAMIC BRAKE
T.E. STARTING	62,300 lbs.	Hanger, Two-axle Trucks		4200 AMP	No
T.E. CONTINUOUS	55,000 lbs.		AIR BRAKE	2130 KW	
OPER. CURVE ALONE:	COUPLED:		WESTINGHOUSE 26 LUM		
42° or 142' radius	24° or 240' radius				

Fully Automatic Transition	Four-Speed Solenoid Governor Control	Speed Indicator	Seal Beam HL with Trainline Control	Elect. Pneumatic and Auto. Sanding Feature
Positive Traction Control	Snowplow Pilot #1 End- No Footboards #2 End	Straight Air (Snowplow Service)		

FEB. 28, 1975

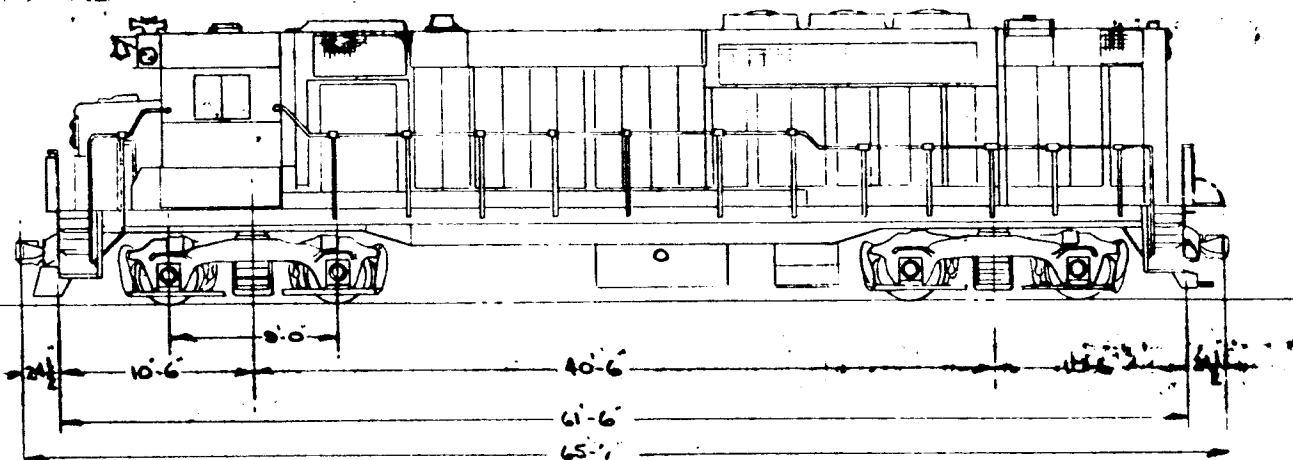
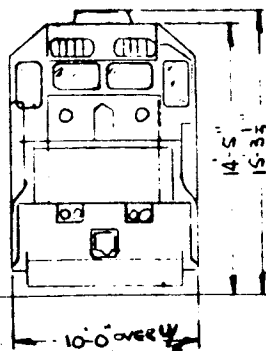
MECHANICAL DEPARTMENT

DIESEL UNIT DATA BOOK

Government of Ontario
GRE-430a **9800-9807**
 CLASS NUMBERS

DIESEL ENGINE: 3000 H.P.
 G.M. 16-645 E3, 2 Cycle
 9-1/16" Bore, 10" Stroke
 900 R.P.M. Full Speed

		WEIGHT DISTRIBUTION					BUILDER	G.M.
		FR. MIN	REAR MIN.	TOTAL	FR. MAX.	REAR MAX.	ORDER N ^o	C-313
LIGHT							MODEL N ^o	GP-40 TC
LOADED						264,000	DATE BUILT	1966



CAPACITIES		WHEELS: TYPE & CLASS	STEAM GENERATOR	ELECTRICAL EQUIPMENT
ENG. COOLING WATER	210 IMP. GAL.	A-40 "32"		TRACTION MOTORS
LUBRICATING OIL	200 IMP. GAL.			Four - G.M. D-77
FUEL OIL	1000 IMP. GAL.	JOURNALS: TYPE & SIZE	AIR COMPRESSOR	AUXILIARY GEN: TYPE & N ^o
SAND STORAGE	40 CU. FT.	Hyatt 6 1/2" x 12"	Gardner Denver WBO 8024	G.M. A-8102-A3
STEAM GEN. WATER	IMP. GAL.			ALTERNATOR: TYPE & N ^o
OPERATING FEATURES		TRUCKS	COOLING FANS	G.M. D-14
MAX. SPEED	83 M.P.H.	Swing Bolster	Three - 48"	M.U. CONTROL
GEAR RATIO	60 : 17			Yes
T.E. STARTING			AIR BRAKE	DYNAMIC BRAKE
T.E. CONTINUOUS	47,000		Westinghouse 26L	No
OPER. CURVE ALONE: 39°	COUPLED: 18°			POWER SUPPLY FOR TRAIN CONSIST
				Diesel Engine G.M. 12-149 V Type
				Alternator G.E. ATI-740 Series

DEC 31 1974

MECHANICAL DEPARTMENT

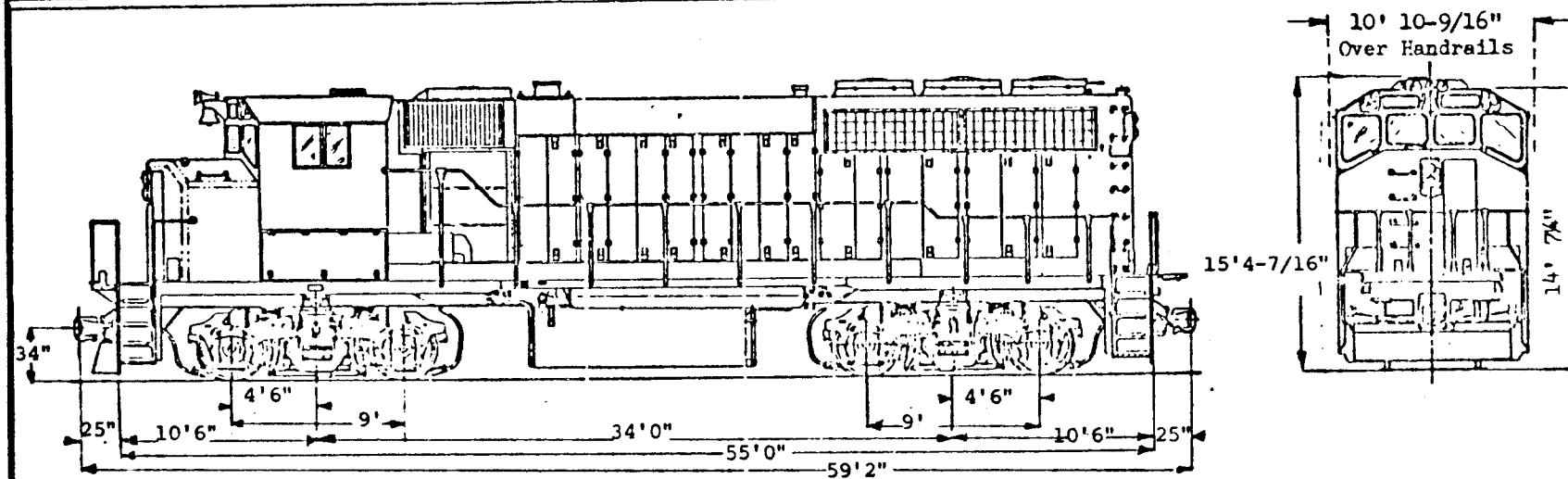
DIESEL UNIT DATA BOOK

GR 430c
CLASS

9808-9811
NUMBERS

DIESEL ENGINE : 3000 HP
GM 16-645E3 2 CYCLE
9-1/16" Bore, 10" Stroke
315 RPM Idle Speed
900 RPM Full Speed

WEIGHT	TOTAL	BUILDER	GM
		ORDER N ^o	C-361
LIGHT		MODEL N ^o	GP40-2
LOADED	258,000	DATE BUILT	1974



RETIRED

CAPACITIES		WHEELS : TYPE & CLASS	STEAM GENERATOR	ELECTRICAL EQUIPMENT
ENG. COOLING WATER	245 IMP. GAL.	D40 CR	No	TRACTION MOTORS
LUBRICATING OIL	202 IMP. GAL.			AUXILIARY GEN: TYPE & N ^o
FUEL OIL	2160 IMP. GAL.	JOURNALS: TYPE & SIZE	AIR COMPRESSOR	18 KW
SAND STORAGE	56 CU. FT.	HYATT 6½" x 12"	Gardner Denver WBO 8101	A8102A3
STEAM GEN. WATER	- IMP. GAL.	TRUCKS	COOLING FANS	ALTERNATOR : TYPE & N ^o
OPERATING FEATURES		SWING BOLSTER	3-48"	GM D14
MAX. SPEED	82 M.P.H.		AIR BRAKE	M.U. CONTROL
GEAR RATIO	59:18		WESTINGHOUSE 26 LUM	Yes
T.E. STARTING				DYNAMIC BRAKE
T.E. CONTINUOUS	55,400			No
OPER. CURVE ALONE: 42 ^o	COUPLED: 24 ^o			

DEC 31 1974

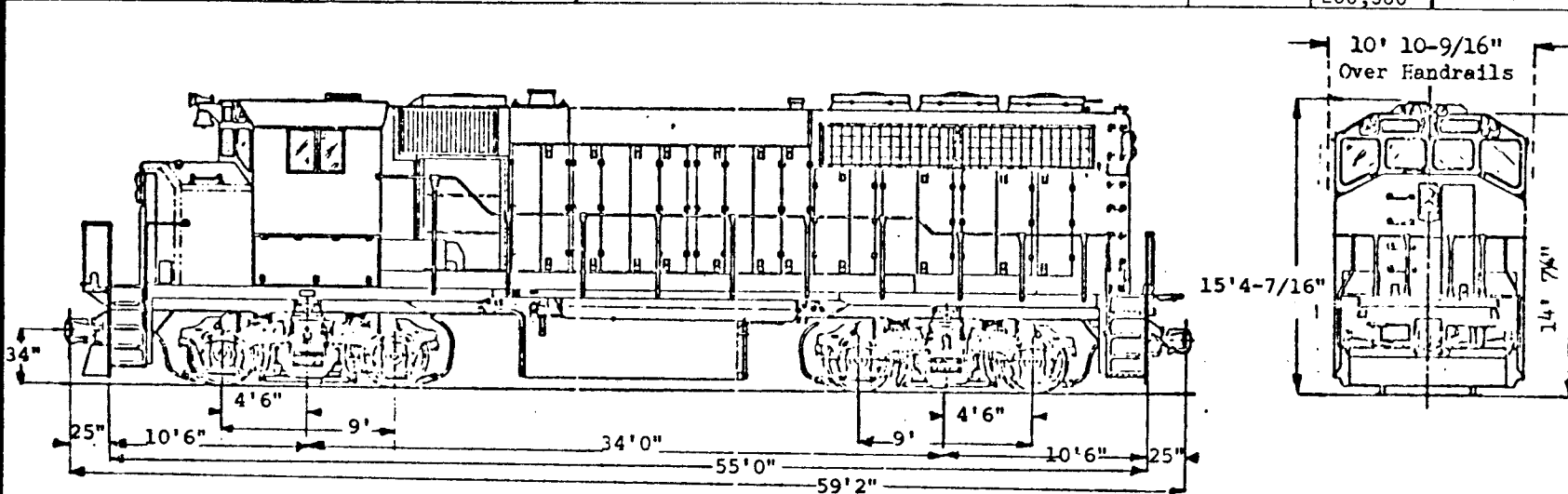
MECHANICAL DEPARTMENT

DIESEL UNIT DATA BOOK

Gov't. of Ontario
GR430d 9812-9814
 CLASS NUMBERS

DIESEL ENGINE: 16 - 645E3
 3000 HP, 900 RPM, 16 CYLINDER
 TURBOCHARGED TWO-CYCLE,
 DIESEL ENGINE

WEIGHT	BUILDER	DD-GMC
	ORDER N ^o	C-375
LIGHT	MODEL N ^o	GP-40-2
LOADED	DATE BUILT	NOV./74



RETIRED

CAPACITIES		WHEELS: TYPE & CLASS	STEAM GENERATOR	ELECTRICAL EQUIPMENT
ENG. COOLING WATER	229 IMP. GAL.	AAR Design D-40 Material Class "B"	—	TRACTION MOTORS
LUBRICATING OIL	202.5 IMP. GAL.			JOURNALS: TYPE & SIZE
FUEL OIL	2160 IMP. GAL.	Hyatt Roller Bearings 6-7/8"	AIR COMPRESSOR	GM D77 1050 AMP 357 KW
SAND STORAGE	38 CU. FT.	Reduced Maintenance, Fully Flexible Bolster, Swing Hanger, Two-axle Trucks	GARDNER DENVER, Model WBO 8101, One Stage, 3-Cylinder Water Cooled, 254 CFM	CANRON Model A-8102- A-3, 225 AMP, 18 KW
STEAM GEN. WATER	IMP. GAL.		TRUCKS	COOLING FANS
OPERATING FEATURES			DELCO Inverted squirrel cage type	GM D14, 215 V @ 120 Hz & 900 RPM
MAX. SPEED	82 M.P.H.		AIR BRAKE	M.U. CONTROL
GEAR RATIO	59:18		WESTINGHOUSE 26 LUM	Yes
T.E. STARTING	50,800 lbs.			DYNAMIC BRAKE
T.E. CONTINUOUS	45,600 lbs.			No
OPER. CURVE ALONE:	COUPLED:			
	240 or 240' radius			

DEC 31 1974

MECHANICAL DEPARTMENT

DIESEL UNIT DATA BOOK

Gov't of Ontario

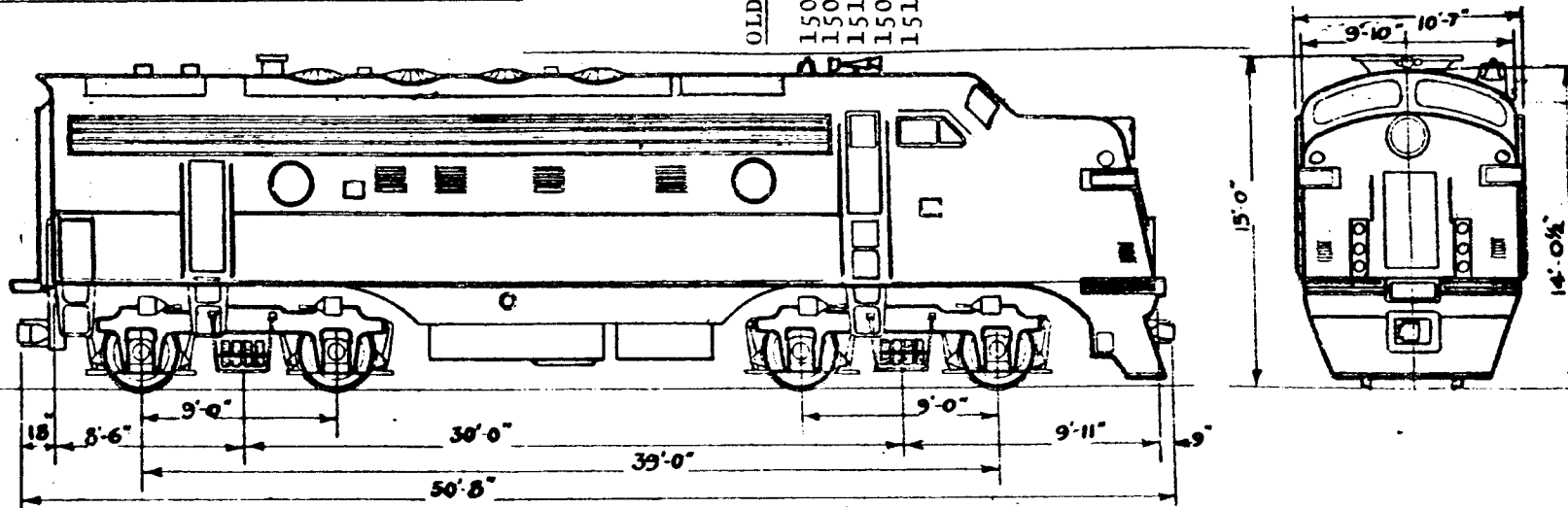
A.P.C.U. 9858-9862
CLASS NUMBERS

DIESEL ENGINE :
HARPER DETROIT DIESEL
16V 140 NA 900 BHP 1800 RPM

NEW
9858
9859
9860
9861
9862

OLD
1503
1509
1517
1505
1513

	BUILDER	GM & O
TOTAL	ORDER N ^o	
	MODEL N ^o	REBUILT
169,500	DATE BUILT	1974



CAPACITIES		WHEELS : TYPE & CLASS	STEAM GENERATOR	ELECTRICAL EQUIPMENT
ENG. COOLING WATER	95 IMP. GAL.	40" - "B"	N.A.	TRACTION MOTORS
LUBRICATING OIL	33 IMP. GAL.	JOURNALS: TYPE & SIZE	AIR COMPRESSOR	AUXILIARY GEN: TYPE & NR
FUEL OIL	1000 IMP. GAL.	(ROLLER)	N.A.	ALTERNATOR : TYPE & NR
SAND STORAGE	16 CU. FT.	HYATT 6 1/2 x 12	COOLING FANS	BATTERY CHARGER
STEAM GEN. WATER	IMP. GAL.	TRUCKS	4 - 36 In. 9 H.P.	STATION-TYPE CT-79K64 B-75
OPERATING FEATURES		4 Wheel Freight	AIR BRAKE	M.U. CONTROL
MAX. SPEED	IS TRACK SPEED LIMIT	Truck-Gear Removed	WABCO	Loco Trainline
GEAR RATIO	TRACTION MOTOR & GEAR	Detroit	26-L	Coach Trainline
T.E. STARTING	REMOVED	Series 149		Power Trainline
T.E. CONTINUOUS		Diesel Engine		DYNAMIC BRAKE
OPER. CURVE ALONE:	COUPLED:			
				MAIN GENERATOR
				600 KW - 750 KVA
				0.8 P.F.
				575 Volts - 3 Phase
				4 Wire - 60 Hertz

DEC 31 1974

CN RAIL

MP&CE

DIESEL UNIT DATA BOOK

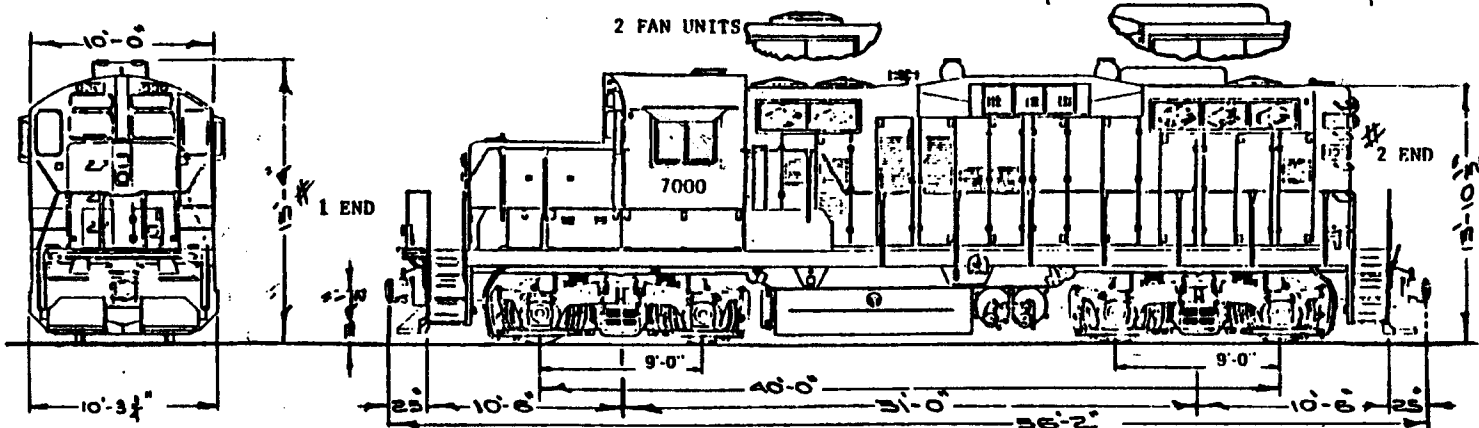
GS-418a * 7000-7013
CLASS NUMBERS

DIESEL ENGINE: 16V-645C 2 CYCLE
9-1/16 BORE x 10 STROKE - 16 CYLINDERS
HORSEPOWER: BRAKE 1920, TRACTION 1800 @ 835 RPM
IDLE SPEED: NORMAL 285 RPM, LOW - RPM
-ENGINE PROTECTIVE DEVICE
-PRESSURIZED COOLING SYSTEM

THESE UNITS REMANUFACTURED BY CN RAIL, POINT ST. CHARLES SHOPS, IN 1985, FROM GENERAL MOTORS DIESEL LTD. MODEL GP-9, CN CLASS GR-17 LOCOMOTIVES ORIGINALLY BUILT 1955 TO 1959.

WEIGHT in POUNDS		BUILDER GM	CN/PSC GM
ORDER NO 717/1333		MODEL No GP-9rm	
DATE BUILT 1985	CNSPEC. GS-418a		
RETIRED			

ORIG. NO. * NEW NO.
4469 7000
4478 7001
4479 7002
4480 7003
4483 7004
4485 7005
4519 7006
4521 7007
4522 7008
4535 7009
4327 7010
4580 7011
4501 7012
4575 7013



CAPACITIES		
ENGINE FUEL OIL	1700	IMP.GAL.
SAND STORAGE	18	CU.FT.
ENGINE COOLING WATER	189	IMP.GAL.
ENGINE LUBRICATING OIL	167	IMP.GAL.
POLLUTION COLLECTOR TANK	67	IMP.GAL.
STEAM GENERATOR WATER	-	IMP.GAL.

OPERATING FEATURES		
TM GEAR RATIO & MAXIMUM SPEED	62:15	65 MPH
ELECTRICAL CONTINUOUS: TE, SPEED, ADH	48830 @ 10.9 MPH	19 %
CN ADHESION RATING: TE, SPEED, ADH	48830 @ 10.9 MPH	19 %
MAXIMUM OPERATING CURVATURE	ALONE 39° or 147' radius	with SIMILAR LOCO. 21° or 273' radius
	with 50' CAR	21° or 273' radius

CAB & CONTROL EQUIPMENT

- SINGLE RANGE ANALOG SPEED INDICATOR (BARCO)
- CHEMICAL TOILET (VAPOR)
- ELECTRO-PNEUMATIC & AUTOMATIC SANDING - OUTBOARD WHEELS
- ELECTRICALLY HEATED WINDOWS - 74W/FT² (FRA CERT.)
- REFRIGERATOR - OASIS - AC
- TWO ELECTRIC CAB HEATERS (PRIME - 2.1 KW EA.)
- TWO STRIP HEATERS (VAPOR 1.5 KW EA.)
- HOT PLATE

WHEELS: AAR E-40 CLASS "CR" HEUMANN PROFILE WIDE FLANGE
JOURNALS: 6 1/2" x 12" NYATT ROLLER BEARING
TRUCKS: 2 AXLE, 2 MOTOR SWING BOLSTER CLASP BRAKE RIGGING

FUEL PREHEAT: INTERNAL 10 IG HOT-Well VAPOR 300-B HT. EXCHANGER ONE 4 USGPM FUEL PUMP
AIR BRAKE: WABCO 26LUM -STRAIGHT AIR (SNOWPLOW SERV.) -AUTO.MAIN RES.BLOWDOWN(SALFM 818, 824, 880 872) -SNOW BRAKE (AUTO. CUT-OUT OVER 56 MPH)
AIR COMPRESSOR: CARDNER-DENVER WBO 2 STAGE, 3 CYL. WATER COOLED (DEEP SUMP)
AIR FILTRATION: PRIMARY: CARBODY FILTERS ENGINE: AAF FIBREGLASS (RAG) - 3 FAN WINTERIZATION HATCH

OTHER FEATURES: ALIGNMENT CONTROL DRAFT GEAR (NC-391)
NOTE: -TO CONFORM WITH MODERN LOCOMOTIVE PRACTICE & PREVIOUS GR-418 UNITS, THE MECHANICAL DESIGNATION OF #1 END & "FRONT" REMAINS AT THE SHORT HOOD END EVEN THOUGH CONTROLS ARE ORIENTED FOR LONG HOOD FORWARD OPERATION.

END EQUIPMENT	#1	#2
SNOWPLOW PILOT		
WRAPAROUND PILOT		
COMB.PILOT & FT.BRDS.	●	●
FOOTBOARDS ONLY		
FULL ENDOPLATE		
PARTIAL ENDOPLATE	●	●
ANTI-CLAMBER	●	●
FRA SIDE STEPS	●	●
FRA UNCOUPLING	●	●

ELECTRICAL EQUIPMENT	
TRACTION MOTORS: FOUR GM D-77 319 KW - 965 AMPS	AUXILIARY GEN.: GM A-8102 18 KW DC
TM BLOWERS: FOUR 4 KW AC - 3φ	ALTERNATOR: 3φ GM D-14 AT 835 RPM 190V AC & 111 HZ
MAIN GENERATOR: GM D-12 WITH REWOUND D-12 ARMATURE	MU CONTROL: YES - 27 PIN
TRANSITION: BARCO FULLY AUTOMATIC SP, SPFS, P, PFS	DYNAMIC BRAKE: NIL
WHEELSLIP CONTROL: GM WS-10 MODULE	AUTO.LOCO.TESTING: O.T.P. SEARCH
COOLING FANS: 3φ AC 4 - 36" AT 15 HP or 2 - 48" AT 27 HP	LIGHTS: #1 #2
FILTERED & PRESSURIZED MAIN ELECTRICAL CABINET. REAR A.C. CABINET. START STATION AT GOVERNOR.	HOLT-DUAL BEAM ● ●
	HOLT-SOL BEAM ● ●
	NUMBER BOX ● ●
	CLASS/MARKER RWG RWG
	CORNER STEP ● ●
	DITCH (BRKTS) ● ●

JUNE 1985