

REV. "B" TOILET 7-28-76 JTZ
 REV. "A" AIR COMP 4-4-79 JTZ

UPGRADED 2000 HP ELECTRO-MOTIVE MODEL GP-20 R. R. CLASS 20E-RS

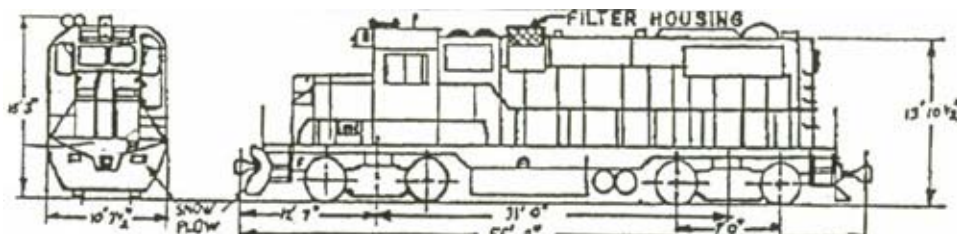
**MECH. ENGINEER DEP'T.
 MILWAUKEE R.R.**

DATE 2-16-73
 JEP

REV.

A

B



BUILT BY	EMD 1954, 1958	REBUILT	1973
MODEL	GP20 HP 2000	TYPE	BB
DRIVING WHEELS	40"	DIA	
JOURNALS TYPE	"HYATT" SIZE 6 1/2"x12"		
DIESEL ENGINE	16-645-E		
NORMAL RUNNING SPEED	900	RPM	
IDLING SPEED	315	RPM	
ENGINE RATING	2000HP @ 900 RPM		
DIAMETER AND STROKE	9 1/14"x10"		
INJECTION SYSTEM	EMD UNIT		
LUBE OIL CAP.	215	GALS.	
COOLING WATER CAP.	227	GALS.	
LOCOTROL	NONE		
WATER COOLER	SEMCO		
UNIT EQUIPPED WITH	HORST		
ENGINE AIR FILTER			

MAIN GEN.	1	MOD.	D-12-B-D14
AUX. GEN.	1	MOD.	A-8102
EXCITER	-	MOD.	-
TRACTION MOTORS	4	TYPE	D-77-B
BEAR RATIO	62:15		
STORAGE BATTERIES	64	VOLT	
DYNAMIC BRAKES	NONE		
MULTI-UNIT CONTROL	CONN. BOTHEND		
SPEED RECORDER	C.P. 0-90 MPH		
RADIO COMMUNICATION	MOTOROLA		
ELECTRONIC BELL	NONE		
TOILET-TYPE	RETENTION		
	WITH ALIGN. CONTROL		
DRAFT GEAR	NATIONAL M381		
COUPLER TYPE	"E"		
SANDBOXES	2	TOTAL CAP.	36 CU.FT.
* 946-955 HAVE 26L			

BOILER	NONE
BOILER WATER TANK CAP.	- GALS.
FEUL TANK CAP.	1600 GALS.
AIR BRAKES	26NL/26L
BRAKE CYLINDERS	8 SIZE 9"x8"
MAIN RESERVOIRS	2 SIZE 22 1/2"x102
AIR COMPRESSED	G-D, WBO-8010
MAX. PERMISSABLE SPEED	65 MPH
MIN. CONTINUOUS SPEED	11 MPH
T.E. @ 11 MPH	53,000 LBS.
MAX. CONT. AMPERAGE	1000 AMPS
1-HR OVERLOAD RATING	1025 AMPS
MIN. RADIUS CURVATURE	150 ACON
COUPLED WITH TRAIN:	274 FT.

LOCOMOTIVE NUMBERS

946-963