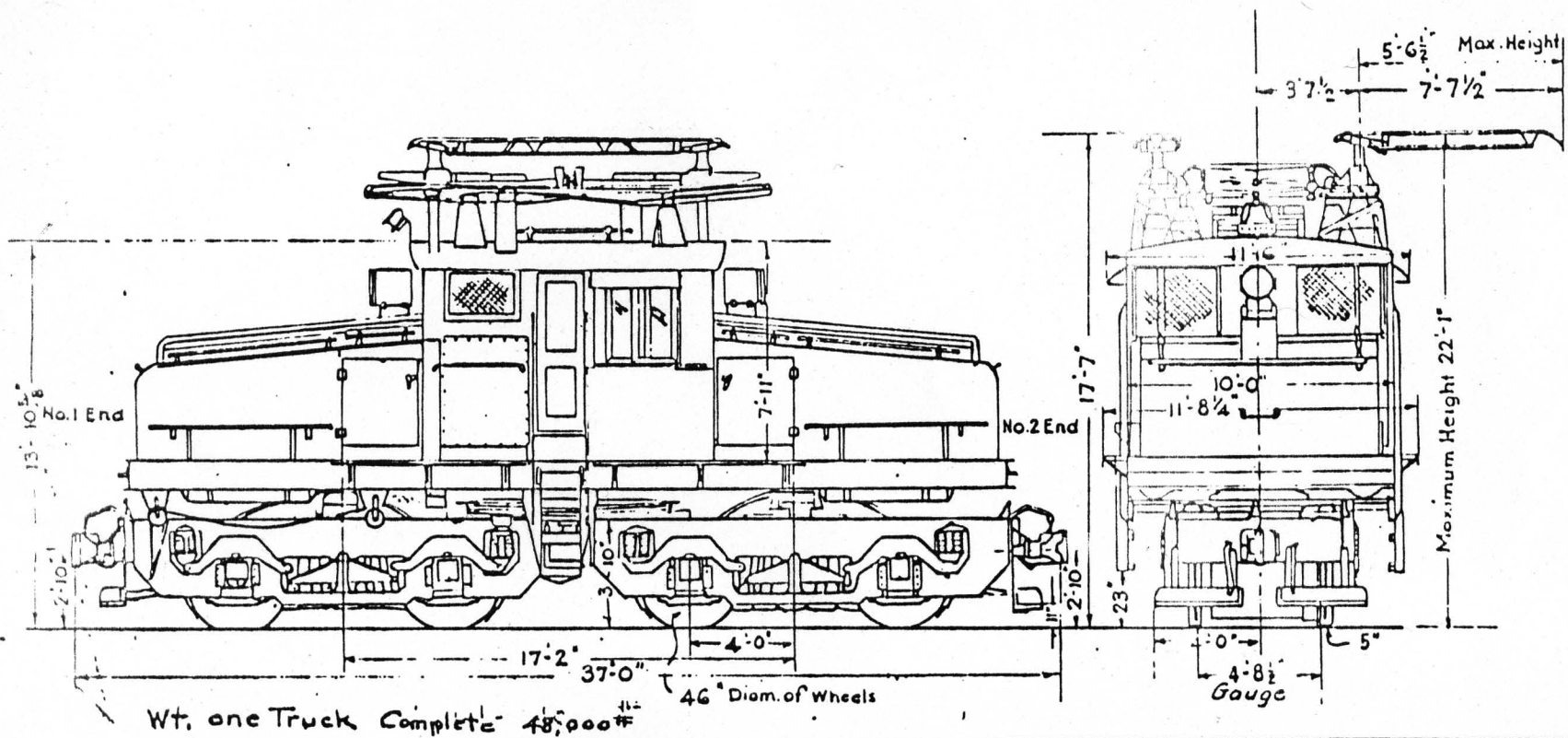




ELECTRIC LOCOMOTIVE

Battery Type. Nos. 700 - 702 - 703 - 724.

Type G.E. B+B - 150/150 - 4 H.M. 818 A 750

Diam. of Drive Wheels 46"

Weight of Electric Equipment 47100 lbs.

Weight of Air Brake & Comp. Equip. 8,000 lbs.

Weight of Batteries 21,500 lbs.

Total. Weight 170,600 lbs.

Motor type R.F.13-Amp. 78 Form A-A. Volts

600-750 Speed 1265 - 60 H.P. 40°C. Rise

Generator G.E.-D.C. No. 1504658 shunt more

type D.C.113 Form A-A, speed 1265, Amp. 133

volt full load 300 - 40 K.W.

Exide Ironclad Battery 120 cell
type M.V.A. 41 Plates in 40 trays.

Motor Generator -

Air compressor G.E. No. 1548124 Type
C.P. 35 A.

Cable Reel Motor Type C.Y. 21 J
form 150V.

Axle Diameter 7" O.H. hammered steel with
6½ x 12" Journals - Draft gear M.C.B. 6x6"
short shank coupler with pocket and
extended floor. Air brakes No. 14 E.L.
double end locomotive air brake equip-
ment with C.P. 35-150 cu.ft. 2 stage
railway compressor and 4 16"x60"
reservoirs. Gear ratio 4.72 - Gear
85 teeth - Pinion 18 teeth
Control 2-Type C-505 A.

ELECTRIC LOCOMOTIVE.

737

Type G.E B+B-154/150-4 HM 818A 750 250 H.P.

Diam. of Drive Wheels _____ 46"

Weight of Electrical Equipment _____ 46,000 lbs

Weight of Air Brake & Compressor Equipment 8,000 "

Weight of Mechanical Equipment _____ 94,000 "

Weight of Ballast _____ 35,000 "

Weight Total _____ 183,100 "

Weight per Driving Axle _____ 45,775 "

Axles 7" Dia. O.H. Hammered Steel with $6\frac{1}{2}$ " x 12" Journals

Draft Gear M.C.B 6"x6" Short Shank Coupler with pocket &

Extended Floor 156 Cw

Air Brakes No. 14 E.L. Double End Locomotive Air Brake Equipment with C.P.-35 Two stage Railway Compressor and 4-16"x60" reservoirs

Gear Ratio 4.72 Gear 85 Teeth Pinion 18 Teeth

Control - 2- Type C-505A

Collecting Devices 1 Pantograph S515C With 17'-7" to 26'-0" Variation 2 Side Arm Trolleys S-204A with 17'-7" to 22'-1" Variation.

1 Electric Cable Reel 44 HP. 104-F2 Carrying 2500 No. 0 A.W.G. Flexible Rubber Covered cable driven by 1-CY-21 Series motor.

Head lights - 2-J-23 with 250 incandescent Lamp

Motors - 4 Type HM-818-A 750 V. D.C.

Maximum Speed Limited by Motors Coasting 30 M.P.H.

Motor Rating - 280 Amperes ~~3500 lbs~~ per motor, 1 Hour continuously with a rise in temperature of 120°C. Corresponding: 1 tractive effort with 280 amperes per motor 35000 lbs

Corresponding speed at 675 Volts 9.4 M.P.H.

ELECTRIC LOCOMOTIVES Trolley & Cable Type 704-723, 725-747

Type G.E. B+B-150/150 - 4 H.M. 818 A 750. 250 HP

Diam. of Drive wheels — — — — — 46"

Weight of Electrical equipment — — — 44,400 lbs.

Weight of Air brake & Compressor equipment 8,000 lbs.

Weight of Mechanical equipment — — — ± 94,000 lbs.

Weight of Ballast — — — — — 24,200 lbs.

Weight Total — — — — 168,000 ~ 172,800 lbs.

Weight per driving axle — — — — ± 42,500 lbs.

Axle 7" Diam. O.H. hammered steel with $6\frac{1}{2}$ "x12"
Journals.

Draft Gear M.C.B. 6"x6" Short shank Coupler, with
Pocket & Extended Floor.

Air Brakes No.14 E.L. Double end Locomotive Air
Brake equipment with C.P.-35 Two stage Railway
Compressor and 4-16"x60" reservoirs.

Gear Ratio 4.72. Gear 85 teeth, Pinion 18 teeth.

Control 2 Type C-505-A.

Collecting Devices - 1 Pantograph S-515 C with
17'-7" to 26'-0" Variation, Two side arm trolleys
S-204-A with 17'-7" to 22'-1" Variation.

1 Electric cable reel M.Y.R-104-F2 Carrying 2500'
No.0 A.W.G. Flexible rubber covered cable driven
by 1 Cy. 21 series motor.

Head-lights 2-J-23 with 250 incandescent Lamps.
Motors. 4 Type H.M.-818-A-750 V. D.C.

Maximum Speed limited by motors coasting
30 M.P.H.

Motor Rating - 280 Amperes 675 Volts per
motor. 1 Hour continuously with a rise in tem-
perature of 120°C. corresponding tractive
effort with 280 amperes per motor 35000 lbs.
corresponding speed at 675 Volts 9.4 M.P.H.

ELECTRIC LOCOMOTIVE

Trolley Type

N^{os}. 704 - 721, 726-736, 738-740

Type G.E. B+B -150/150 - 4 H.M. 818 A750

Diam. of Drive Wheels. ----- 46"

Weight of Electrical Equipment -----

Weight of Air Brake & Compressor Equipment. -----

Weight of Mechanical Equipment -----

Weight of Ballast. -----

Weight Total. -----

Weight per Driving Axle -----

Axles 7" Dia. O.H. Hammered Steel with 6½"x12" Journals

Draft Gear M.C.B. 6"x6" Short Shank Coupler with pocket & Extended Floor.

Air Brakes No. 4 E.L. Double End Locomotive Air Brake Equipment with C.P.-35 Two stage Railway compressor and 4-16"x60" reservoirs.

Gear Ratio 4.72 Gear 85 Teeth Pinion 18 Teeth.

Control - 2 - Type C-505 A

Collecting Devices 1 Pantograph SS15C with 17'-7" to 26'-0" Variation 2 Side Arm Trolleys S-204A with 17'-7" to 22'-1" Variation.

1 Electric Cable Reel. M.V.R.-104-F2 Carrying 2500' No. 0 A.W.G. Flexible Rubber Covered Cable driven by 1-CY. 21 Series motor.

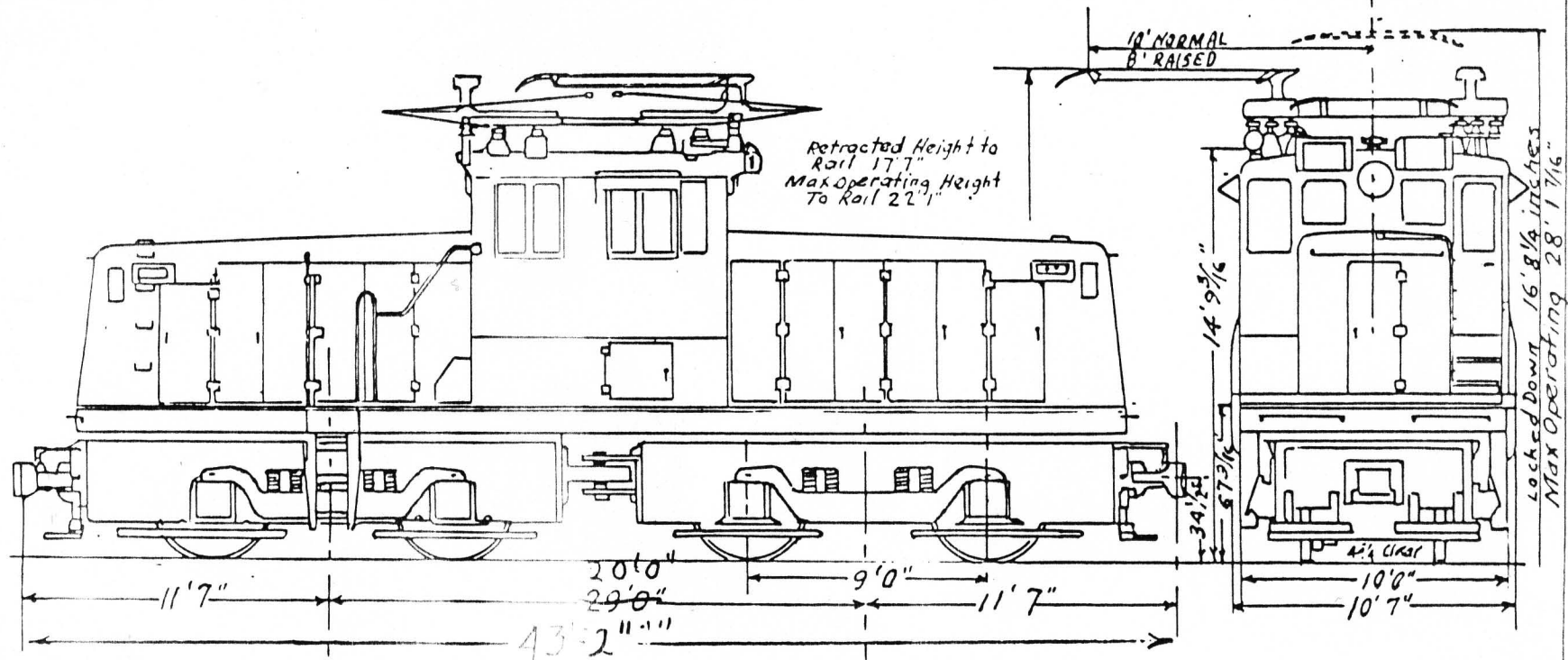
Head lights - 2-J-23 with 250 incandescent Lamp.

Motors - 4 Type H.M.-818A. 750 V. D.C.

Maximum Speed Limited by Motors Coast- ing 30 M.P.H.

Motor Rating - 280 Amperes 675 Volts per motor, 1 Hour continuously with a rise in temperature of 120°C. Corresponding tractive effort with 280 amperes per motor 35000 lbs Corresponding speed at 675 Volts 9.4 M.P.H.

800, 801, 802, 803.



INDUSTRIAL ELECTRIC LOCOMOTIVE- B 250/250-4GE729-750VOLT-DC

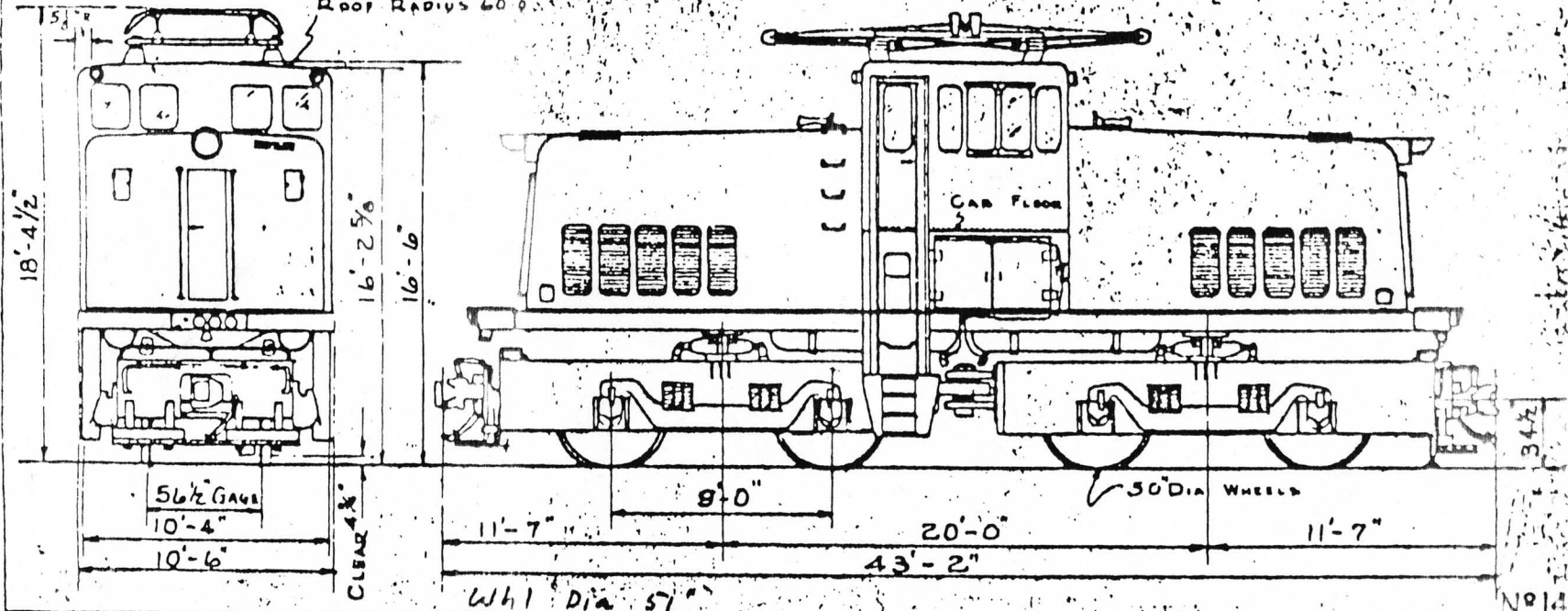
RATED WEIGHT 125 TONS
RATED VOLTAGE 750 VOLT DC
MAX. TRACTIVE EFFORT AT 30%
ADHESION 7500 LBS.
TRACTIVE EFFORT AT HOURLY
RATING 57700 LBS.
TRACTIVE EFFORT AT CONTINUOUS
RATING 46200 LBS
SPEED AT CONTINUOUS TE AND
750-VOLTS 12.6 M.P.H.
MAX. SPEED 50 M.P.H.
TRACK GAGE 56.5 INCHES G.
MINIMUM RADIUS OF CURVATURE
100- FEET.
TRUCK WHEEL BASE - 9 FT. 0 IN.
TRUCK CENTERS 20 FT. 0 IN.
WHEEL DIAMETER 50 IN.
LENGTH BETWEEN KNUCKLES -
43- FT. 2 IN.
WIDTH OVERALL 10 FT. 0 IN.
HEIGHT OVER CAB 14 FT. 10 IN
OVESIDE ARM LOCKED DOWN
17- FEET 7- INCHES.
MAX. PANTOGRAPH EXTENDED
28- FT 2- IN.
RAIL CLEARANCE UNDER GEAR
CASE 4 1/4 INCHES.
COUPLERS: AAR STANDARD TYPE- E.
COUPLER HEIGHT ABOVE RAIL 34 1/2 IN.
HEIGHT DECK ABOVE RAIL - 67 1/2 IN.
WHEELS: SOLID ROLLED STEEL
WITH 2 1/2 IN THICK RIMS

JOURNAL BEARINGS: AAR STANDARD
BRONZE.
BRAKES: STRIGHT AND AUTOMATIC AIR AND
HAND PARKING BRAKE.
MOTORS: 4 GE 79C BLOWN.
CONTROL: 2 STATION, SINGLE UNIT ELECTRO-
PNEUMATIC 3 SPEED CONTRL WITH 13
STEPS - 4 STEPS 7 STEPS 252 P AND 7 STEPS
4- P
COMPRESSOR: ICP35, 750 VOLT 85 C.F.M.
RAILWAY COMPRESSOR.
SANDERS' AIR OPERATED 8 NOZZLES.
HORN: AIR OPERATED.
BELL: CAST STEEL WITH AIR OPERATED
RINGER.
HEADLIGHTS: 1-250 WATT EACH END.
CAB HEATER: 1-5 K.W.

800, 801, 802, 803

3,000 VOLT 128 TON ELECTRIC LOCOMOTIVE K.C.C. 1 To 7

Roof Radius 60°



3,000 VOLT 128 Ton ELECTRIC LOCOMOTIVE K.C.C. 1 To 7

TRACTION MOTOR

TWO BOX FRAME TRACTION MOTORS PER TRUCK - 4 MOTORS PER ENGINE -
MODEL 5GE729C1 - 4 POLE - COMMUTATING POLE - SERIES WOUND - DIRECT
CURRENT - 1500 VOLT, 770 H.P. AT 960 R.P.M. - MAX. PERMISSIBLE SPEED
1800 R.P.M. - MOTOR WEIGHT WITH PINION 10,625 LBS.

BLOWER MOTORS

MODEL 5CY300C1 - 2 - 1500 VOLT MOTORS OPERATED IN SERIES FROM
THE 3,000 VOLT LINE & IN PARALLEL FROM THE 750 VOLT LINE - 4 POLE -
COMMUTATING POLE - SERIES WOUND - D.C. MOTOR. - 1200 R.P.M. - 1,526.05 LBS.

AIR COMPRESSOR

MODEL 7CP32B3 - 2 - COMPRESSORS PER ENGINE - PISTON DISPLACEMENT
75.7 CU. FT. PER MIN. - 2 STAGE MACHINE.

MOTORS 2 - 1500 VOLT - OPERATED ON SERIES FROM 3,000 VOLT & PARALLEL FROM
750 VOLTS.

AIR RESERVOIRS

4 - TANKS - 7'0" KI - 6" DIA. - 12.4 CU. FT. AT 135 P.S.I.

MASTER CONTROLLERS

2 SPEED MOTORING ON 4 TRACTION MOTORS FROM EITHER A 3,
VOLT TROLLEY OR A 750 VOLT TROLLEY

MAIN HANDLE

"BRAKE" POSITION (9 SETTINGS)

"OFF" POSITION

"MOTORING" POSITION (28 SETTINGS)

SELECTOR & BRAKING HANDLE

"OFF" POSITION

"750 VOLT" POSITION

"3,000 VOLT" POSITION

"BRAKING" POSITION

3,000 VOLT 128 TON ELECTRIC LOCOMOTIVE K.C.C. 1 To

MASTER CONTROLLERS

REVERSE HANDLE

"OFF" POSITION

"FORWARD" POSITION

"REVERSE" POSITION

JR. BREAKER RESET LEVER

MECHANICAL INTERLOCKING OF HANDLES

EACH ENGINE CAN BE OPERATED FROM EITHER SIDE - ALL 7 ENGINES CAN BE CONTROLLED FROM ONE ENGINE.

TACHOMETER GENERATOR

TYPE 2CM4H - 6" STEEL WHEEL ACTUATES THE GENERATOR BY RIDING ON TOP OF THE 50" WHEEL

BRAKES

WESTINGHOUSE AIR BRAKES N° 14-EL

DYNAMIC BRAKING

THE 4 TRACTION MOTORS ARE DISCONNECTED FROM THE TROLLEY POWER AND USED AS GENERATORS DRIVEN BY THE LOCOMOTIVE. THE ENERGY GENERATED IS GIVEN UP BY RESISTORS.

TRUCK FRAMES

HEAVY STEEL PLATE - WELDED FABRICATION

COMPLETE, 40 TONS PER TRUCK - TWO TRUCKS PER ENGINE - 80 TONS TOTAL

TRUCK SPRINGS

20 LARGE COIL SPRINGS (8821086P-2). - 20 SMALL COIL SPRINGS (8821086) ON EACH TRUCK - TOTAL OF 40 LARGE & 40 SMALL COIL SPRINGS PER ENGINE

COUPLERS

TYPE "E" - SWIVEL BUTT (33335C) N.M. & S.CO.

YOKE CLASS A-22-XL (32038D) N.M. & S.CO. - W. H. MINER INC. D9415 N° 14

3,000 VOLT 128 TON ELECTRIC LOCOMOTIVE K.C.C. 1 To

DRIVE GEARS

DRIVE GEAR ON AXLE $39\frac{1}{8}$ " DIA. - 82 TEETH, $5\frac{1}{2}$ " WIDE -
PINION ON DRIVE MOTOR $8\frac{3}{4}$ " DIA. - 15 TEETH, $5\frac{1}{2}$ " WIDE -

WHEELS

8 - WHEELS 50" DIA. STEEL

AXLE

AXLE DIA. AT CENTER 9"
AXLE DIA. AT JOURNALS 7"

JOURNALS

7" DIA. X 13" LONG - BRASS FRAME - BABBITT LINING -

PANTOGRAPH COLLECTOR

TYPE S-544-B - DOUBLE SHOE - OPERATING RANGE $129\frac{3}{16}$ "

DOUBLE SHUNT FOR HEAVY CURRENT - QUILL TYPE MAIN SHAFT WITH ROLL
BEARINGS - NORMAL WIRE PRESSURE OF 20 lbs. - FOUR MAIN SPRINGS -
AIR PRESSURE COLLAPSES THE COLLECTOR.

WEIGHT IN WORKING ORDER.

128 TONS GENERAL ELECTRIC - ELECTRIC LOCOMOTIVE

STARTING TRACTIVE FORCE

125,000 lbs. PER. 2 UNITS 62,500 lbs. PER. UNIT

CONTINUOUS 1 HR. CURRENT DRAW 425 AMPS. AT 30 M.P.H

MAXIMUM LOCOMOTIVE SPEED

35 MILES PER. HOUR

SAND CAPACITY

4 SAND BOXES 1200 lbs.(±) PER. BOX

7- LOCOMOTIVES - BUILT (1946 & 1947) - MFG. NOS 29035 - 29036 - 29037 - 29038 - 290

29119 - 29120. RECEIVED IN TWO SHIPMENTS 4-11-20-47 3-12-7-47

Nº 14 -