

CLASS OF TRUCK	FRAME	WHEEL BASE	DIA. OF WHEEL	TYPE OF BRAKE	WEIGHT OF TRUCK	REMARKS	CLASS OF CAR.	CLASS OF TRUCK	FRAME	WHEEL BASE	DIA. OF WHEEL	TYPE OF BRAKE	WEIGHT OF TRUCK	REMARKS	CLASS OF CAR.	CLASS OF TRUCK	TYPE	WHEEL BASE	DIA. OF WHEEL	TYPE OF BRAKE	WEIGHT OF TRUCK	REMARKS	CLASS OF TENDERS.		
3C-F1	10" CHAN	11'-0"	36"	S	21000		FB 10, M 10, M 10A, B 14A, BM 70, BM 70A, C, D, E, F, G.	2A-F1	ARCH BAR	5'-0"	33"	S	5700	E SPRING.	NDA, N4, NS.	ZBIT1	ARCH BAR	5'-0"	33"	S					
3C-P2	"	11'-0"	36"	S		GENERATOR	"	ZBIF1	"	5'-0"	33"	S	5850		XH, R, D, XE.	ZBIT2	"	5'-7"	33"	S	6000			2400, 3000, 3600.	
3D5P1	"	11'-0"	36"	S			"	ZBIF2	"	5'-0"	33"	S	5350	E SPRING	H6A, H5E.	ZBIT3	"	5'-2"	33"	S				B22.	
3D5P5	CAST ST.	11'-3"	36"	C	26400	COMMONWEALTH	PB70, PBM70A, BM70L, D78B	ZC-F1	"	5'-6"	33"	S	7600	ALSO USED ON TENDERS	F24, FL, XL, XLH, XLK, XLM, XLS, XLT, XLV, XLW, XLY, XLZ.	ZBIT4	"	5'-4"	33"	S				F24 LOCO.	
3D5P2	"	11'-0"	36"	C	23200		PB70, PBM70, D70, D78, D78A, B74A, BM70D, E, F, G.	ZDIF1	"	5'-6"	33"	S	9650		FN.	ZC-T1	"	5'-8"	33"	S				B22, B23, F26 LOCO.	
3D5P3	CAST ST.	11'-0"	36"	C	22685		PB70, D78, BM70K.	ZD-F1	"	5'-6"	33"	S	7920	ALSO USED ON TENDERS.	FM, GL, GLA, GP, GPA, GS, GSA, GSC, GSD, GR, GRA, GLC, H22, K7, KF, KFA, R7, RF, XL, XLA, XLB, XLC, XM, X23, X24, X25, X25A.	ZC-T2	PEDESTAL	5'-10"	36"	S	10000				3000, 3600, 4500.
3D5P4	"	11'-0"	36"	C	25000		NONE BUILT	ZD-F2	CAST ST. CROWN	5'-6"	33"	S	7950		FM, GL, GLA, GP, GPA, GS, GSA, GSC, GSD, GR, GRA, H22, H22A, H22B, H22C, H22D, H22E, H22F, H22G, H22H, H22I, H22J, H22K, H22L, H22M, H22N, H22O, H22P, H22Q, H22R, H22S, H22T, H22U, H22V, H22W, H22X, H22Y, H22Z.	ZC-T3	ARCH BAR	5'-2"	36"	S	7800				4C.
3D7P1	"	11'-0"	36"	C	25000	ROLLER BEARING	D78	ZD-F3	CAST ST. U.S. RA.	5'-6"	33"	S	8100		G24, X26.	ZD-T1	"	6'-0"	36"	S	9450			5500, 7000 STRAIGHT, 3500, 6000 SLOPING.	
ZD3P1	10" CHAN	7'-0"	36"	S	13000		P70, B60, M560, B60A, R60.	ZD-F4	CAST ST.	5'-6"	33"	S	7500		X28, X29	ZD-T2	CAST ST. CROWN	6'-3"	33"	S					7000.
ZD3P2	"	7'-0"	36"	S		GENERATOR.	"	ZD-F5	ARCH BAR	5'-6"	30"	S		LOW	F21, F21A, F21B, F21C.	ZD-T3	PEDESTAL	5'-10"	36"	S	11550			7000.	
ZC-P1	"	7'-0"	36"	S			MP54.	ZD-F6	"	5'-6"	33"	S	7750		U4.	ZD-T4	DOLPHIN	6'-5"	36"	S	15150			7000-17'-8" T.C.	
ZD5P1	"	7'-0"	36"	C	14500		P70, B60, B60A, M560, R60.	ZD-F7	CAST ST.	5'-6"	33"	S				ZE-T1	PEDESTAL	5'-10"	36"	S	11900			8000.	
ZDZP1	"	8'-6"		S		2 MOTORS.	LONG ISLAND	ZD-F8	ARCH BAR	5'-6"	30"	S				ZE-T2	CAST ST. CROWN	5'-10"	33"	S	10930			7D, 7E, 9000, 1000-17'-8" T.CENT.	
ZC1P1	8" H-BEAM	7'-0"	36"	S	17200	1 MOTOR.	MP38.	ZD-F9	"	5'-6"	33"	S	7750			ZE-T3	PEDESTAL	6'-5"	36"	S	15400			7A, 7B.	
ZC1P2	"	7'-0"	36"	C		1 MOTOR.	MP38A.	ZD-F10	"	5'-6"	33"	S	7750			ZE-T4	DOLPHIN	6'-5"	36"	S	15400			7E, (7000-17'-8" T.CEN.)	
ZC-P2	"	8'-0"	36"	S	13300		MP54, MP54C, MP54D, MPB54, MPB54B, MPB54D, MBM67, MB67D.	ZE-F1	ARCH BAR	5'-7"	33"	S	10500		F22, F23.	ZE-T5	CAST ST. CROWN	5'-10"	33"	S	11200			8A, 8B, 8C.	
ZD4P1	"	8'-0"	36"	S	28100	2 MOTORS.	MP54D, MPB54D, MB67D.	ZE-F2	CAST ST. CROWN	5'-10"	33"	S	9550		F25, G22, G22A, H21A, H25, H22A.	ZF-T1	CAST ST. CROWN	5'-10"	33"	S				13000.	
ZC-P3	8" H-BEAM	8'-0"	36"	C	14300	TRAILER	MP54E, MP54E1, MPB54E, MB67E1.	ZE-F3	CAST ST. U.S. RA.	5'-8"	33"	S	9550		G25.	ZF-T2	CANTILEVER	6'-5"	36"	S	14800			11000, 13000.	
ZC-P3	"	8'-0"	36"	C	13300	STEAM SERVICE	MBM67E, MP54D, MP54, MPB54B, MPB54, MBM67.	ZE-F4	CAST ST.	5'-10"	33"	S				SE-T1	CAST ST.	5'-0"	33"	C				12000.	
ZD5P1	10" H-BEAM	8'-0"	36"	S	13800		P70.	ZE-F5	CAST ST. CROWN	5'-10"	33"	S	10500		H22, F25H.	ZF-T3	CAST ST.	6'-6"	36"	S				150 P 70.	
ZD5P2	"	8'-0"	36"	C	15500	CAST STEEL TRANSOM.	P70, B60, B60A.	3E-F1	CAST ST.	5'-0"	33"	C	17500		G23, H26.	3E-T1	CAST ST.	8'-4"	35"	C				210F75, 210F78, 210F82.	
ZD5P1	"	8'-8"	38"	C	31500	2 MOTORS	MP54E, MP54E1, MPB54E.	ZD-F11	CAST ST.	6'-0"	33"	S			X29 (EXPRESS)										
ZD5P1	"	8'-8"	38"	C	11500	STEAM SERVICE	MBM67E, MB67E1, MP54, MBM67.	3F-F1	CAST ST.	5'-0"	33"	C	19800		F28, F29.										
ZD5P2	"	8'-8"	38"	C	32000	2 MOTORS	MP54D, MPB54D.	ZD-F12	CAST ST.	5'-6"	33"	S	7500		FM, GL, GLA, GLC, GP, GPA, GR, GRA, GS, GSA, GSC, GSD, H22, K7, KF, KFA, R7, RF, XL, XLA, XLB, XLC, XM, X23, X24, X25, X25A.										
ZD5P3	CAST ST.	5'-10"	33"	C	12000		B50, B50A, P70.	ZE-F13	CAST ST.	5'-8"	33"	S	9000		H21A, H21B, H21C, H21D, H21E, H21F, H21G, H21H, H21I, H21J, H21K, H21L, H21M, H21N, H21O, H21P, H21Q, H21R, H21S, H21T, H21U, H21V, H21W, H21X, H21Y, H21Z.										
ZD5P4	"	8'-0"	36"	C			P70.	ZD-F13	CAST ST.	5'-8"	33"	S	8850		H21A, H21B.										
ZD5P5	"	8'-0"	36"	C	17650	COMMONWEALTH	P70.																		
ZD7P1	"	8'-0"	36"	C		ROLLER BEARING																			
ZD-P3	"	6'-3"	36"	S			B60B.																		
ZD7P2	"	8'-0"	36"	C		ROLLER BEARING	P70.																		
ZD7P3	"	8'-0"	36"	C		ROLLER BEARING	MP54E2.																		
ZD5P1	"	8'-8"	38"	C		ROLLER BEARING	MP54E2.																		
3A3P1	WOODEN	10'-0"	33"	S	12450		BA.																		
3A2P1	"	10'-5"	36"	S	14500		OF, OQ, BB.																		
3R-F1	"	10'-6"	36"	S	15250		OK, OL, PL, BN, BL, BE, MB, MI.																		
3C-F3	"	10'-8"	36"	S	21150		MM.																		
ZA1P1	"	7'-0"	33"	S	8100		PF, PG.																		
ZA2P1	"	7'-0"	36"	C	9350		PF, PG.																		
ZA3P1	"	7'-0"	36"	C	9200		PF, PG.																		
ZB-P1	"	7'-0"	36"	S	9650		PG, PK, BP.																		
ZB-P2	WI.	7'-0"	33"	S	8550, 8980	TRAILER D6, D7, D9.	MP1, MP2, MBZ, MOL, MBMI.																		
ZB-P3	WOODEN	8'-0"	36"	S	11350		PG, PK.																		
ZB1P1	"	7'-0"	36"	C	10000		PF, PG.																		
ZC-P4	"	8'-0"	36"	S	14000		PK.																		
ZC-P5	"	7'-0"	36"	S	10000		PK.																		
ZC3P1	WI.	7'-0"	36"	S	27150	MOTOR	MP1, MBMI, BUILT 1906.																		
ZC3P2	WI.	7'-0"	36"	S	27650	MOTOR	MP2, MBZ, MOL, BUILT 1907-09.																		

TRUCKS FOR PASSENGER CARS, FREIGHT CARS, AND TENDERS SHALL BE CLASSIFIED WITH FIVE SYMBOLS AS FOLLOWS.

FIRST. NUMBER OF AXLES PER TRUCK.

SECOND. A.R.A. CLASSIFICATION LETTER FOR JOURNAL DIAMETER ONLY.

A.R.A. CLASS	A.	B.	C.	D.	E.	F.
SIZE OF JOURNAL.	3 3/4 x 7.	4 1/4 x 8.	5 x 9.	5 1/2 x 10.	6 x 11.	6 1/2 x 12.
CAPACITY PER AXLE.	15000.	22000.	31000.	40000.	50000.	60000.

THIRD. DASH FOR STANDARD A.R.A. AXLE OR NUMBER FOR DEVIATION FROM A.R.A. STANDARD.

FOURTH. SERVICE OF TRUCK: VIZ - P = PASSENGER. F = FREIGHT. T = TENDERS.

FIFTH. REFERS TO DESIGN OF TRUCK FOR AXLES SPECIFIED. TRUCKS CLASS 3D7P1, 3D5P4 AND 2D-P3 HAVE BEEN ADDED.

S = SINGLE BRAKE. C = CLASP BRAKE.

TENDER TRUCKS 2F-T3 AND 3F-T1 HAVE BEEN ADDED.

F22 AND F23 WITH 2F-F1 TRUCKS, HAVE BEEN CROSSED OFF ON ACCOUNT OF THIS CLASS OF TRUCK HAVING NEVER BEEN APPLIED TO THESE CARS. 2-6-1929 (G-22-29)

FREIGHT TRUCK 2D-F7 HAS BEEN ADDED.

TENDER TRUCK 3E-T1 HAS BEEN ADDED.

10-7-1926 (G-154-26)

CLASSES 2E-F1 (MODIFIED) AND 2E-F5 HAVE BEEN ADDED. 12-3-1928 (G-125-28)

ISSUED 2-16-1924. A.  
 REISSUED 2-4-25. B. M.C.  
 BE " 10-27-25. C. C.M.G.  
 " " 10-7-26. D. C.M.G.  
 " " 12-3-1928. E. R.A.  
 " " 2-6-1929. F. "

**PENNSYLVANIA RAILROAD SYSTEM**

PASSENGER CARS, FREIGHT CARS  
 & TENDERS  
 TRUCKS  
 CLASSIFICATION

ALTOONA 2-13-24

D
74604
F

CHIEF OF MOTIVE POWER: *H. J. Kline*  
 MECHANICAL ENGINEER

C.C.M. RM.