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# British Railways Board

Mechanical & Electrical Engineering Department

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## VEHICLE DIAGRAM BOOK No 120

FOR

# Shunting Diesel Locomotives

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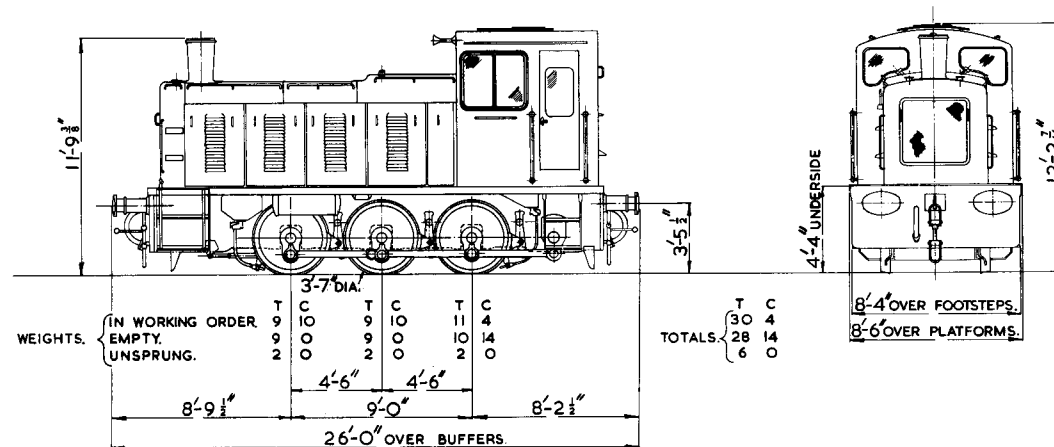
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APRIL 1974

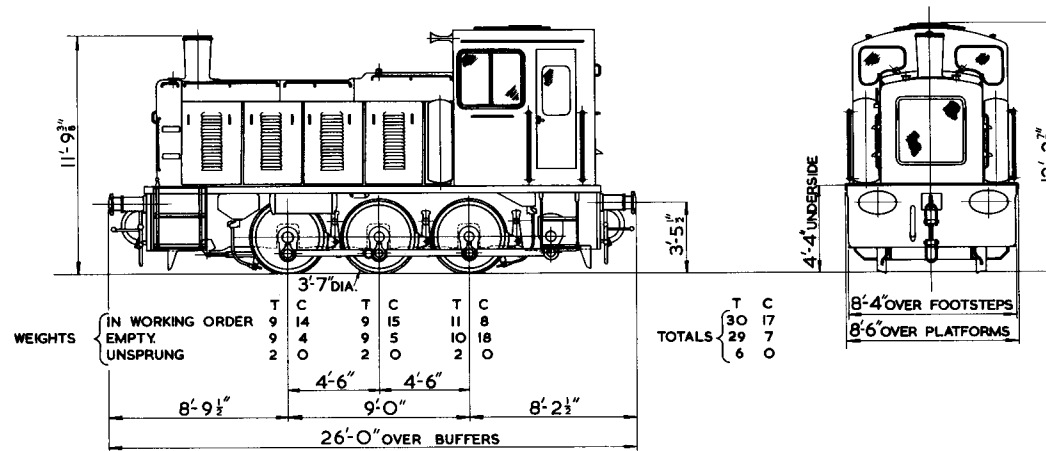


ENGINE.	{ MAKE & TYPE.	GARDNER 8 L.3.	BRAKING.	{ TYPE. { FOR LOCO.	AIR.
	{ No. OF CYLS. & CYCLE	8 CYLS. 4 STROKE.		{ FOR TRAIN.	VACUUM.
	{ MAX. CONT. RATED OUTPUT.	204 H.P. AT 1200 R.P.M.		{ BRAKE FORCE. { % OF LOCO. WEIGHT	70 %.
TRANSMISSION.	{ ENGINE TO GEARBOX.	FLUIDRIVE TYPE 23 HYD. COUPLING.	SPEED.	{ IN WORKING ORDER.	
	{ GEARBOX.	WILSON-DREWRY C.A.5. R.7.		{ MAX. PERMITTED SERVICE SPEED.	28.5 M.P.H.
	{ FINAL DRIVE.	S.C.G. Co. TYPE R.F. 11.	CURVE.	{ MIN. RAD. CURVE { WITHOUT GAUGE WIDENING:	2 CHAINS.
PERFORMANCE.	{ MAX. TRACTIVE EFFORT.	15300 LB. AT 22.6 % ADHESION.		{ AT DEAD SLOW SPEED:	
	{ CONT. TRACTIVE EFFORT.	15300 LB. AT 3.75 M.P.H.	TANK CAPACITY.	FUEL.	300 GALLS.

200 H.P. B.R. O-6-O DIESEL MECHANICAL SHUNTING LOCOMOTIVE.  
CLASS 03

03-a V

APRIL 1974

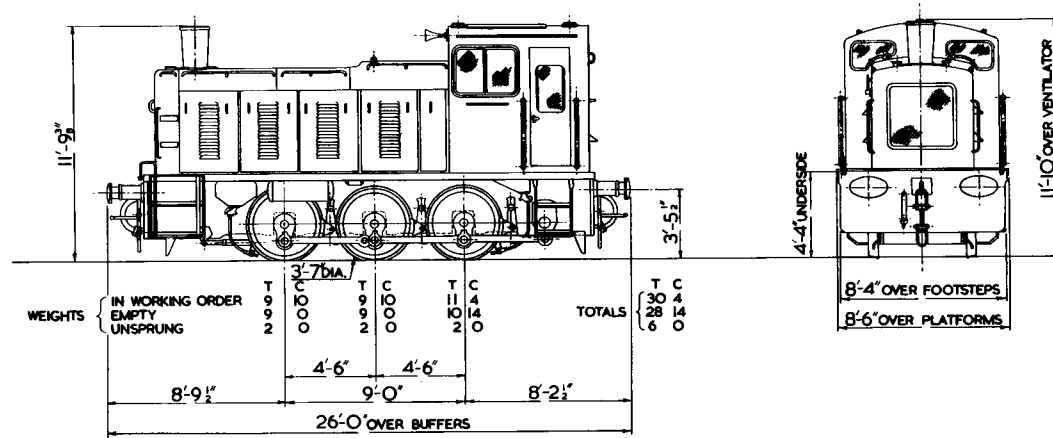


ENGINE	MAKE & TYPE	GARDNER 8 L.3.	BRAKING	TYPE	FOR LOCO	STRAIGHT AIR & AUTO AIR
	No. OF CYLS. & CYCLE	8 CYLS. 4 STROKE		FOR TRAIN		AUTO AIR & AIR CONT. VAC.
	MAX. CONT. RATED OUTPUT	204 H.P. AT 1200 R.P.M.		BRAKE FORCE	% OF LOCO. WEIGHT	68.5%
					IN WORKING ORDER	
TRANSMISSION	ENGINE TO GEARBOX	FLUIDRIVE TYPE 23 HYD. COUPLING	SPEED	MAX. PERMITTED SERVICE SPEED		28.5 M.P.H.
	GEARBOX	WILSON-DREWRY C.A.5. R.7.				2 CHAINS
	FINAL DRIVE	S.C.G. Co. TYPE R.F. II.	MINIMUM RADIUS	HORIZONTAL WITHOUT GAUGE WIDENING		1:1 CHAINS
PERFORMANCE	MAX. TRACTIVE EFFORT	15300 LB. AT 22.1% ADHESION	CURVES	HORIZONTAL WITH 3/4 INS. GAUGE WIDENING		3 CHAINS
	CONT. TRACTIVE EFFORT	15300 LB. AT 3.75 M.P.H.		VERTICAL CONVEX		6.5 CHAINS
			TANK CAPACITY	VERTICAL CONCAVE		300 GALLONS
				FUEL		

200 H.P. B.R. O-6-O DIESEL MECHANICAL SHUNTING LOCOMOTIVE  
CLASS O3

O3-b X

APRIL 1974

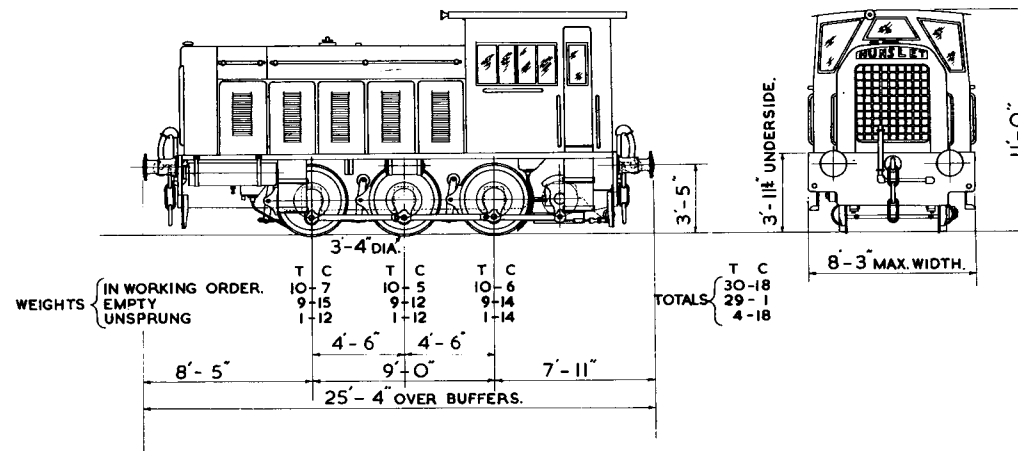


ENGINE.	{	MAKE & TYPE	GARDNER 8 L.3.	BRAKING.	{	TYPE.	{ FOR LOCO.	AIR.
		No. OF CYLS. & CYCLE.	8 CYLS. 4 STROKE.			{ FOR TRAIN.	VACUUM	
TRANSMISSION.	{	MAX. CONT. RATED OUTPUT.	204 H.P. AT 1200 R.P.M.	SPEED.	}	BRAKE FORCE.	{ % OF LOCO. WEIGHT.	70%.
		ENGINE TO GEARBOX.	FLUIDRIVE TYPE 23 HYD. COUPLING.			{ IN WORKING ORDER.		
		GEARBOX.	WILSON - DREWRY C.A.5.R.7.			MAX. PERMITTED SERVICE SPEED.	28.5 M.P.H.	
PERFORMANCE.	{	FINAL DRIVE.	S.C.G. Co. TYPE R. F. II.	CURVE.	}	MIN. RAD. CURVE.	{ WITHOUT GAUGE WIDENING:	2 CHAINS.
		MAX. TRACTIVE EFFORT.	15300 LB. AT 22.6% ADHESION.			{ AT DEAD SLOW SPEED:		
		CONT. TRACTIVE EFFORT.	15300 LB. AT 3.75 M.P.H.			TANK CAPACITY.	FUEL.	300 GALLS.

200 H.P. B.R. O-6-O DIESEL MECHANICAL SHUNTING LOCOMOTIVE.  
CLASS O3

O3 - c V

APRIL 1974

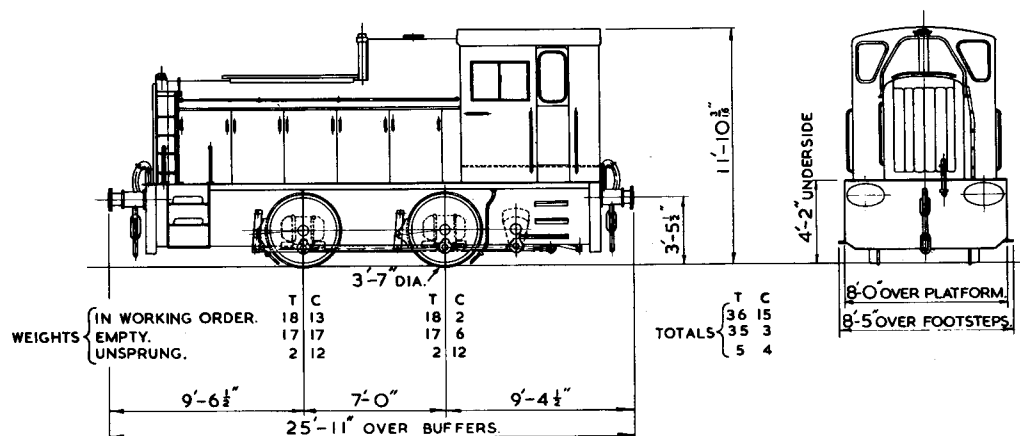


ENGINE.	MAKE & TYPE.	GARDNER 8.L.3.	BRAKING.	TYPE.	FOR LOCO.	AIR.	
		No. OF CYLS. & CYCLE.			8 CYLS. 4 STROKE.	FOR TRAIN.	VACUUM.
TRANSMISSION.	MAX. CONT. RATED OUTPUT.	204 H.P. AT 1200 R.P.M.	SPEED.	BRAKE FORCE.	% OF LOCO. WEIGHT	68.5%	
		ENGINE TO GEARBOX.			HUNSLET PATENT FRICTION CLUTCH.	IN WORKING ORDER.	
		GEARBOX.			HUNSLET FOUR SPEED.		
PERFORMANCE.	FINAL DRIVE.	JACKSHAFT & COUPLING RODS.	CURVE.	MIN. RAD. CURVE.	WITHOUT GAUGE WIDENING:	17.8 M.P.H.	
		MAX. TRACTIVE EFFORT.			14,500LB. AT 21.6% ADHESION.	AT DEAD SLOW SPEED:	1.82 CHAINS.
	CONT. TRACTIVE EFFORT.	14,500LB. AT 4.48 M.P.H.	TANK CAPACITY.	FUEL.		300 GALLS.	

**200 H.P. HUNSLET 0-6-0 DIESEL MECHANICAL SHUNTING LOCOMOTIVE.  
CLASS 05**

**05-a V**

APRIL 1974

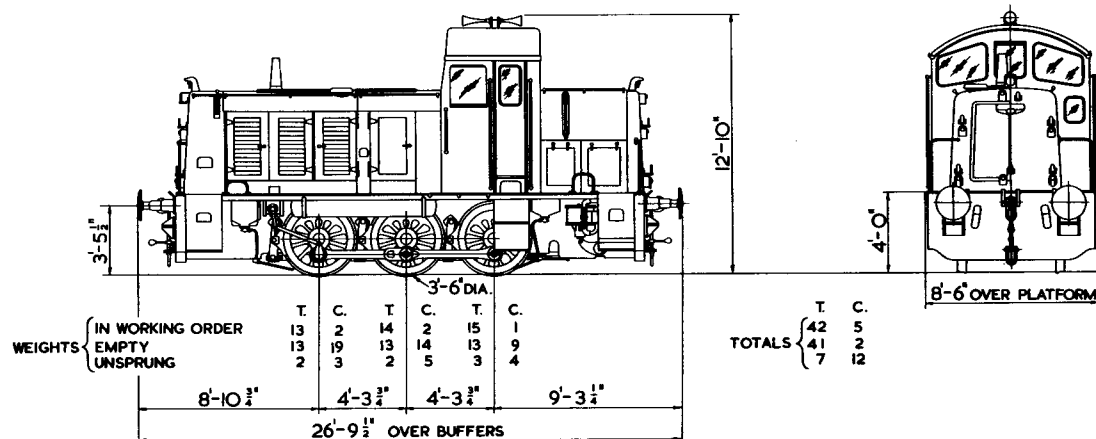


ENGINE.	{ MAKE & TYPE. No. OF CYLS. & CYCLE. MAX. CONT. RATED OUTPUT.	GARDNER 8.L.3. 8 CYLS. 4 STROKE. 204 H.P. AT 1200 R.P.M.	BRAKING.	{ TYPE { FOR LOCO. FOR TRAIN.	AIR. VACUUM.
TRANSMISSION.	{ ENGINE TO GEARBOX. GEARBOX. FINAL DRIVE.	VULCAN SINCLAIR RIGID TYPE SIZE 23 HYD. CPLG. WILSON CA5 TYPE 5 SPEED EPICYCLIC GEARBOX. WISEMAN TYPE 15RLGB REVERSING F.D. UNIT.	SPEED.	{ BRAKE FORCE { % OF LOCO. WEIGHT IN WORKING ORDER.	66.4%
PERFORMANCE	{ MAX. TRACTIVE EFFORT CONT. TRACTIVE EFFORT RAIL H.P.	19,800 LB. AT 24% ADHESION 19,800 LB. AT 2.25 M.P.H. 122 H.P. AVAILABLE BETWEEN 0&22.8 M.P.H.	CURVE.	{ MIN. RAD. CURVE { WITHOUT GAUGE WIDENING : AT DEAD SLOW SPEED :	22.8 M.P.H. 1:365 CHAINS. 1:365 CHAINS.
			TANK CAPACITY.	FUEL	325 GALLS.

**200 H.P. ANDREW BARCLAY O-4-O DIESEL MECHANICAL SHUNTING LOCOMOTIVE.  
CLASS O6**

**O6-a V**

APRIL 1974

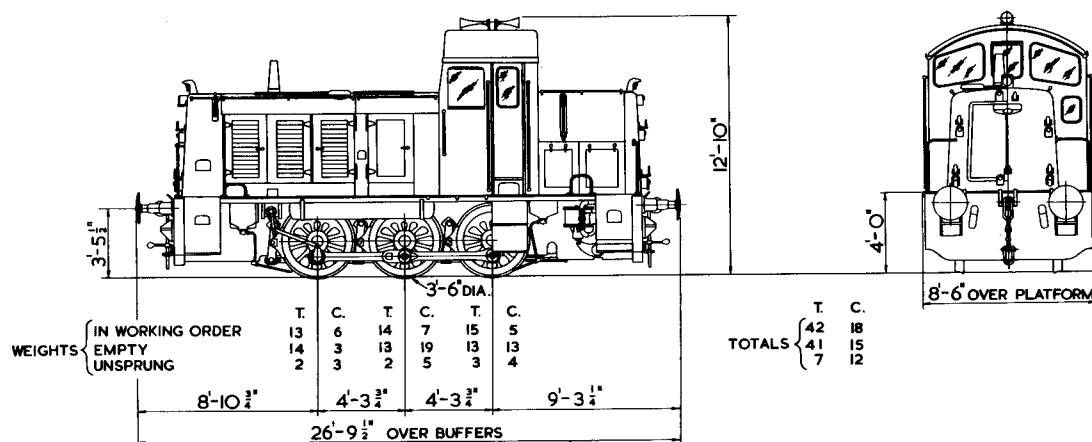


ENGINE	{ MAKE & TYPE No. OF CYLS. & CYCLE MAX. CONT. RATED OUTPUT	PAXMAN 6 RPHL. MK.III 6 CYLS., 4 STROKE 275 H.P. AT 1360 R.P.M.	BRAKING	{ TYPE { FOR LOCO. FOR TRAIN BRAKE FORCE { % OF LOCO. WEIGHT IN WORKING ORDER	STRAIGHT AIR VACUUM 84
MAIN GENERATOR	{ MAKE & TYPE	A.E.I. RTB 6652	SPEED	MAX. PERMITTED SERVICE SPEED	20 M.P.H.
TRACTION MOTORS	{ MAKE & TYPE No. TYPE OF SUSPENSION TYPE OF GEAR DRIVE	A.E.I. RTA 6652 ONE AXLE DOUBLE REDUCTION	CURVE	MIN. RAD. CURVE WITHOUT GAUGE WIDENING	2 CHAINS
PERFORMANCE	{ MAX. TRACTIVE EFFORT CONT. TRACTIVE EFFORT RAIL H.P. AT CONT. RATING FULL ENGINE OUTPUT	28,240 LBS. AT 30% ADHESION AT 390 AMPS. MAIN GENERATOR 15,950 LBS. AT 4.38 M.P.H. AT 360 AMPS. MAIN GENERATOR 190 H.P. AVAILABLE BETWEEN 3.9 & 13.5 M.P.H.	TANK CAPACITY	ENGINE FUEL	300 GALLS.

**275 H.P. RUSTON & HORNSBY O-6-O DIESEL ELECTRIC SHUNTING LOCOMOTIVE  
CLASS 7**

07-a V

APRIL 1974

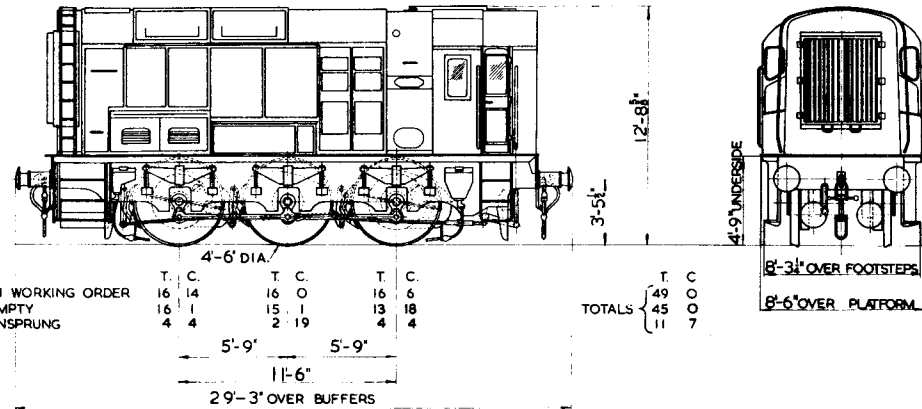


ENGINE	MAKE & TYPE	PAXMAN 6 RPHL. MK.III	BRAKING.	TYPE	FOR LOCO. FOR TRAIN.	STRAIGHT AIR & AUTO. AIR. AUTO. AIR & AIR CONT. VAC.
	No. OF CYLS. & CYCLE	6 CYLS., 4 STROKE		BRAKE FORCE	% OF LOCO. WEIGHT. IN WORKING ORDER.	82.9%
MAIN GENERATOR	MAX. CONT. RATED OUTPUT	275 H.P. AT 1360 R.P.M.	SPEED		MAX. PERMITTED SERVICE SPEED.	20 M.P.H.
	MAKE & TYPE	A.E.I. RTB 6652	MINIMUM RADIUS	CURVES.	HORIZONTAL WITHOUT GAUGE WIDENING.	2 CHAINS.
TRACTION MOTORS	MAKE & TYPE	A.E.I. RTA 6652	CURVES.		HORIZONTAL WITH 3/4 INS. GAUGE WIDENING.	1 CHAIN.
	No.	ONE	TANK CAPACITY		VERTICAL CONCAVE.	1 CHAIN.
	TYPE OF SUSPENSION	AXLE		ENGINE FUEL.	300 GALLS.	
	TYPE OF GEAR DRIVE	DOUBLE REDUCTION				
	MAX. TRACTIVE EFFORT	28,240 LBS. AT 29.4% ADHESION. AT 390 AMPS. MAIN GENERATOR.				
PERFORMANCE	CONT. TRACTIVE EFFORT	15,950 LBS. AT 4.38 M.P.H. AT 360 AMPS. MAIN GENERATOR.				
	RAIL H.P. AT CONT. RATING	190 H.P.				
	FULL ENGINE OUTPUT	AVAILABLE BETWEEN 3.9 & 13.5 M.P.H.				

**275 H.P. RUSTON & HORNSBY O-6-O DIESEL ELECTRIC SHUNTING LOCOMOTIVE  
CLASS O7.**

**O7- b X**



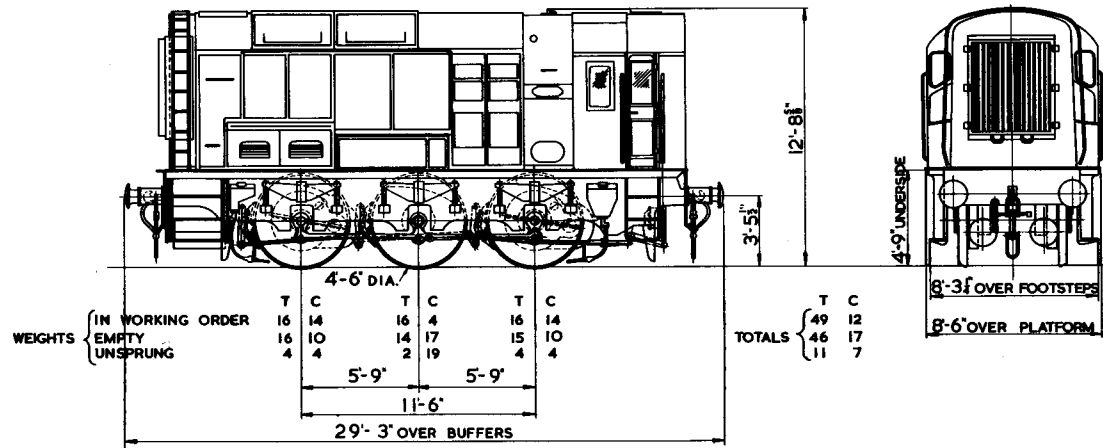


ENGINE.	{ MAKE & TYPE.	ENGLISH ELECTRIC 6.K.T.	BRAKING.	{ TYPE { FOR LOCO.	AIR.
	{ No. OF CYLS. & CYCLE.	6 CYLS. 4 STROKE.		{ FOR TRAIN.	VACUUM.
MAIN GENERATOR.	{ MAX. CONT. RATED OUTPUT.	400 H.P. AT 680 R.P.M.		{ BRAKE FORCE { % OF LOCO. WEIGHT	66.2%
	{ MAKE & TYPE.	ENGLISH ELECTRIC 801.		{ IN WORKING ORDER.	
TRACTION MOTORS.	{ MAKE & TYPE.	ENGLISH ELECTRIC 506.	SPEED.	{ MAX. PERMITTED SERVICE SPEED.	20 M.P.H.
	{ No.	TWO.		{ HORIZONTAL WITHOUT GAUGE WIDENING	3 CHAINS
	{ TYPE OF SUSPENSION.	NOSE.	MINIMUM RADIUS	{ HORIZONTAL WITH 3/4 INS. GAUGE WIDENING	1.8 CHAINS
	{ TYPE OF GEAR DRIVE	DOUBLE REDUCTION.	CURVES	{ VERTICAL CONVEX	3 CHAINS
	{ MAX. TRACTIVE EFFORT.	35000 LB. AT 31.9% ADHESION		{ VERTICAL CONCAVE	5.5 CHAINS
PERFORMANCE.	{ CONT. TRACTIVE EFFORT.	AT 1020 AMPS. MAIN GENERATOR.	TANK CAPACITY	FUEL	668 GALLONS
	{ RAIL H.P. AT CONT. RATING.	11,100 LB. AT 8.8 M.P.H.			
	{ FULL ENGINE OUTPUT.	AT 44 AMPS MAIN GENERATOR.			
		260 H.P.			
		AVAILABLE BETWEEN 0 & 7.9 M.P.H.			

**350 H.P. B.R. O-6-O DIESEL ELECTRIC SHUNTING LOCOMOTIVE.  
CLASS 08**

**O8-a V**

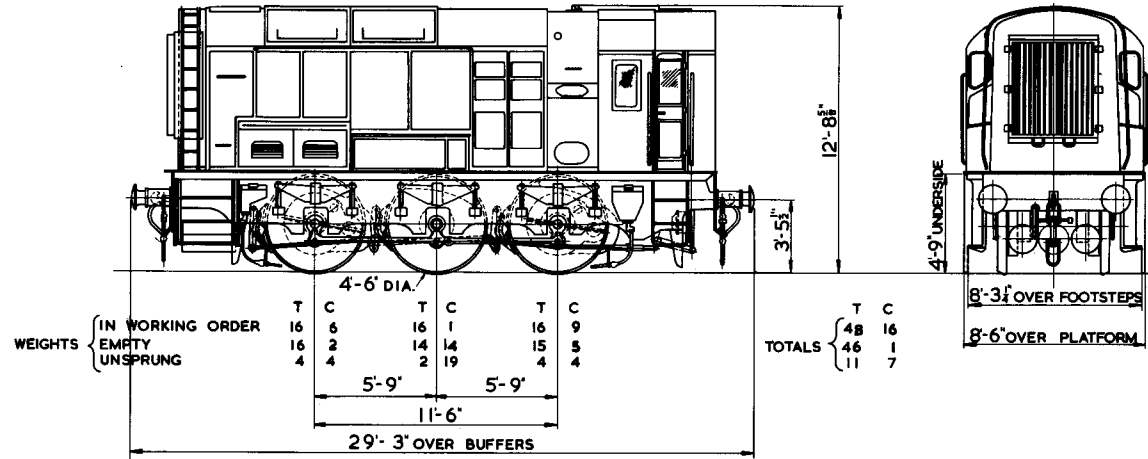
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ENGINE	MAKE & TYPE	ENGLISH ELECTRIC 6.K.T.	BRAKING	TYPE	FOR LOCO	STRAIGHT AIR & AUTO AIR
	No. OF CYLS. & CYCLE	6 CYLS. 4 STROKE		FOR TRAIN		AUTO AIR & AIR CONT. VAC.
MAIN GENERATOR	MAKE & TYPE	ENGLISH ELECTRIC 80I		BRAKE FORCE	% OF LOCO. WEIGHT	65.4%
	MAKE & TYPE	ENGLISH ELECTRIC 506	SPEED	IN WORKING ORDER		
TRACTION MOTORS	MAKE & TYPE	ENGLISH ELECTRIC 506		MAX. PERMITTED SERVICE SPEED		20 M.P.H.
	No.	TWO	MINIMUM RADIUS	HORIZONTAL WITHOUT GAUGE WIDENING		3 CHAINS
	TYPE OF SUSPENSION	NOSE	CURVES	HORIZONTAL WITH 3/4 INS. GAUGE WIDENING		1.8 CHAINS
	TYPE OF GEAR DRIVE	DOUBLE REDUCTION		VERTICAL CONVEX		3 CHAINS
	MAX. TRACTIVE EFFORT	35000 LB. AT 31.5% ADHESION	TANK CAPACITY	VERTICAL CONCAVE		5.5 CHAINS
PERFORMANCE	CONT. TRACTIVE EFFORT	AT 1020 AMPS. MAIN GENERATOR	FUEL			668 GALLONS
	RAIL H.P. AT CONT. RATING	11,100 LB. AT 8.8 M.P.H.				
	FULL ENGINE OUTPUT	AT 441 AMPS. MAIN GENERATOR				
		260 H.P.				
		AVAILABLE BETWEEN 0 & 7.9 M.P.H.				

350 H.P. B.R. 0-6-0 DIESEL ELECTRIC SHUNTING LOCOMOTIVE  
CLASS 08

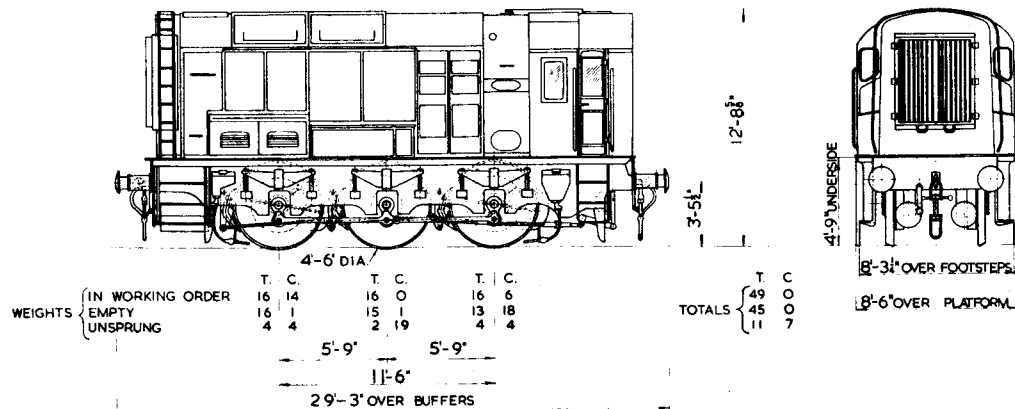
08- b X



ENGINE	MAKE & TYPE	ENGLISH ELECTRIC 6.K.T.	BRAKING	TYPE	FOR LOCO FOR TRAIN	STRAIGHT AIR & AUTO AIR AUTO AIR
	No. OF CYLS. & CYCLE	6 CYLS. 4 STROKE		BRAKE FORCE	% OF LOCO. WEIGHT IN WORKING ORDER	66.4%
MAIN GENERATOR	MAKE & TYPE	ENGLISH ELECTRIC 80I	SPEED	MAX. PERMITTED SERVICE SPEED		20 M.P.H.
TRACTION MOTORS	MAKE & TYPE	ENGLISH ELECTRIC 506	MINIMUM RADIUS CURVES	HORIZONTAL WITHOUT GAUGE WIDENING		3 CHAINS
	No.	TWO		HORIZONTAL WITH 3/4 INS. GAUGE WIDENING		1.8 CHAINS
	TYPE OF SUSPENSION	NOSE		VERTICAL CONVEX		3 CHAINS
	TYPE OF GEAR DRIVE	DOUBLE REDUCTION	TANK CAPACITY	FUEL		5.5 CHAINS
	MAX. TRACTIVE EFFORT	35000 LB. AT 32 % ADHESION				668 GALLONS
PERFORMANCE	CONT. TRACTIVE EFFORT	AT 1020 AMPS. MAIN GENERATOR 11,100 LB. AT 8.8 M.P.H.				
	RAIL H.P. AT CONT. RATING	AT 441 AMPS. MAIN GENERATOR 260 H.P.				
	FULL ENGINE OUTPUT	AVAILABLE BETWEEN 0 & 7.9 M.P.H.				

**350 H.P. B.R. O-6-O DIESEL ELECTRIC SHUNTING LOCOMOTIVE  
CLASS O8**

**O8-c A**

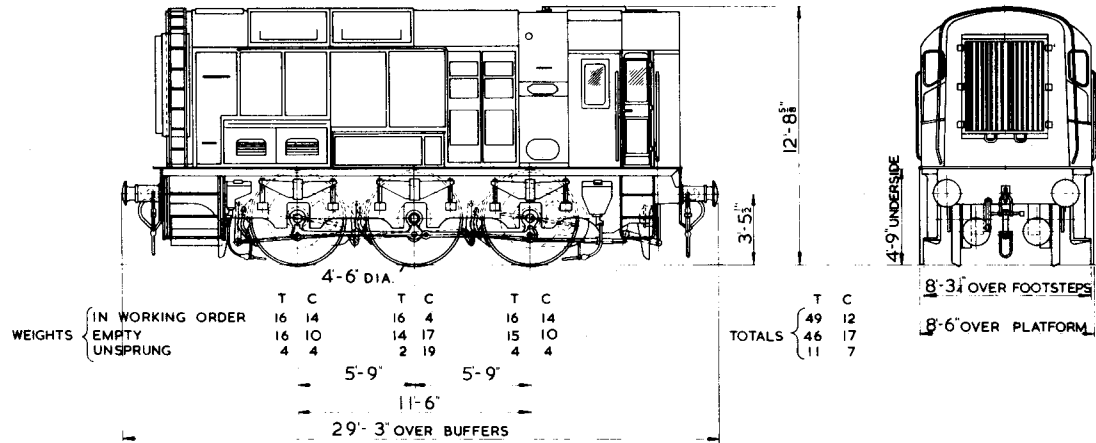


ENGINE.	{ MAKE & TYPE.	ENGLISH ELECTRIC 6.K.T.
	{ No. OF CYLS. & CYCLE.	6 CYLS. 4 STROKE.
	{ MAX. CONT. RATED OUTPUT.	400 H.P. AT 680 R.P.M.
MAIN GENERATOR.	{ MAKE & TYPE.	ENGLISH ELECTRIC 801.
	{ MAKE & TYPE.	ENGLISH ELECTRIC 506.
TRACTION MOTORS.	{ No.	TWO.
	{ TYPE OF SUSPENSION.	NOSE
	{ TYPE OF GEAR DRIVE.	DOUBLE REDUCTION.
	{ MAX. TRACTIVE EFFORT.	35000 LB. AT 31.9% ADHESION
		AT 1020 AMPS. MAIN GENERATOR.
PERFORMANCE.	{ CONT. TRACTIVE EFFORT.	11,100 LB. AT 8.8 M.P.H.
		AT 441 AMPS. MAIN GENERATOR.
	{ RAIL H.P. AT CONT. RATING.	260 H.P.
	{ FULL ENGINE OUTPUT.	AVAILABLE BETWEEN 0 & 7.9 M.P.H.

BRAKING.	{ TYPE { FOR LOCO.	AIR.
	{ FOR TRAIN	VACUUM.
	{ BRAKE FORCE { % OF LOCO. WEIGHT	66.2%
	{ IN WORKING ORDER.	
SPEED.	{ MAX. PERMITTED SERVICE SPEED.	15 M.P.H.
MINIMUM RADIUS	{ HORIZONTAL WITHOUT GAUGE WIDENING	3 CHAINS.
CURVES	{ HORIZONTAL WITH 3/8 INS. GAUGE WIDENING	1.8 CHAINS
	{ VERTICAL CONVEX	3 CHAINS
	{ VERTICAL CONCAVE	5.5 CHAINS
TANK CAPACITY	{ FUEL	668 GALLONS

**350 H.P. B.R. O-6-O DIESEL ELECTRIC SHUNTING LOCOMOTIVE.**  
**CLASS 08**

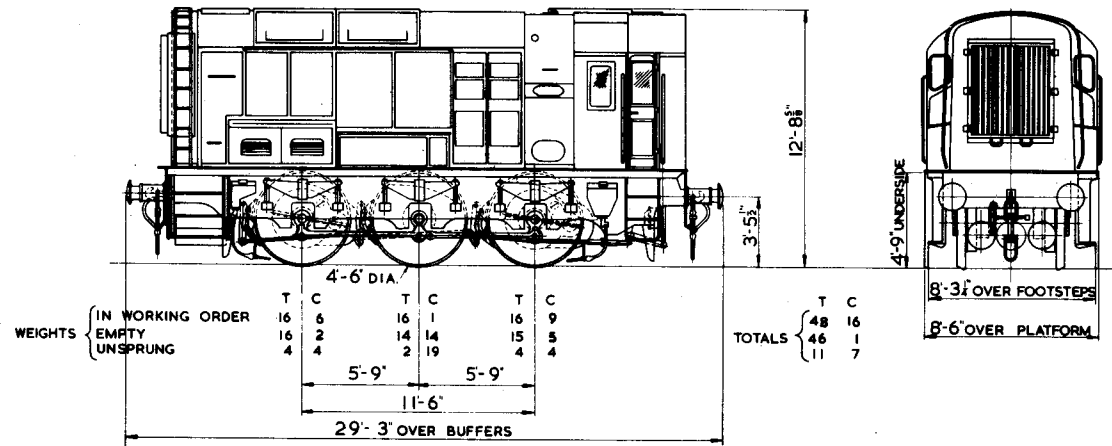
08-dV



ENGINE	MAKE & TYPE	ENGLISH ELECTRIC 6.K.T.	BRAKING	TYPE	FOR LOCO FOR TRAIN	STRAIGHT AIR & AUTO AIR AUTO AIR & AIR CONT. VAC.
	No. OF CYLS. & CYCLE	6 CYLS. 4 STROKE		BRAKE FORCE	% OF LOCO. WEIGHT IN WORKING ORDER	65.4%
MAIN GENERATOR	MAKE & TYPE	ENGLISH ELECTRIC 801	SPEED	MAX. PERMITTED SERVICE SPEED		15 M.P.H.
TRACTION MOTORS	MAKE & TYPE	ENGLISH ELECTRIC 506	MINIMUM RADIUS CURVES	HORIZONTAL WITHOUT GAUGE WIDENING		3 CHAINS
	No.	TWO		HORIZONTAL WITH 3/4 INS GAUGE WIDENING		1.8 CHAINS
	TYPE OF SUSPENSION	NOSE	TANK CAPACITY	VERTICAL CONVEX		3 CHAINS
	TYPE OF GEAR DRIVE	DOUBLE REDUCTION		VERTICAL CONCAVE		5.5 CHAINS
PERFORMANCE	MAX. TRACTIVE EFFORT	35000 LB. AT 31.5% ADHESION AT 1020 AMPS. MAIN GENERATOR		FUEL		668 GALLONS
	CONT TRACTIVE EFFORT	11,100 LB. AT 8.8 M.P.H. AT 441 AMPS. MAIN GENERATOR				
	RAIL H.P. AT CONT. RATING	260 H.P.				
	FULL ENGINE OUTPUT	AVAILABLE BETWEEN 0 & 7.9 M.P.H.				

**350 H.P. B.R. 0-6-0 DIESEL ELECTRIC SHUNTING LOCOMOTIVE  
CLASS 08**

**08-e X**



ENGINE	{ MAKE & TYPE	ENGLISH ELECTRIC 6.K.T.			
	{ No. OF CYLS. & CYCLE	6 CYLS. 4 STROKE			
	{ MAX. CONT. RATED OUTPUT	400 H.P. AT 680 R.P.M.			
MAIN GENERATOR	{ MAKE & TYPE	ENGLISH ELECTRIC 801	BRAKING	{ TYPE { FOR LOCO	STRAIGHT AIR & AUTO AIR
	{ MAKE & TYPE	ENGLISH ELECTRIC 506		{ FOR TRAIN	AUTO AIR
TRACTION MOTORS	{ No.	TWO		{ BRAKE FORCE { % OF LOCO. WEIGHT	66.4%
	{ TYPE OF SUSPENSION	NOSE		{ IN WORKING ORDER	
	{ TYPE OF GEAR DRIVE	DOUBLE REDUCTION	SPEED	{ MAX. PERMITTED SERVICE SPEED	15 M.P.H.
	{ MAX. TRACTIVE EFFORT	35000 LB. AT 32 % ADHESION		{ HORIZONTAL WITHOUT GAUGE WIDENING	3 CHAINS
	{ CONT. TRACTIVE EFFORT	AT 1020 AMPS. MAIN GENERATOR	MINIMUM RADIUS	{ HORIZONTAL WITH 3/4 INS. GAUGE WIDENING	1.8 CHAINS
	{ RAIL H.P. AT CONT. RATING	11,100 LB. AT 8.8 M.P.H.	CURVES	{ VERTICAL CONVEX	3 CHAINS
PERFORMANCE	{ FULL ENGINE OUTPUT	AT 441 AMPS. MAIN GENERATOR		{ VERTICAL CONCAVE	5.5 CHAINS
		260 H.P.	TANK CAPACITY	{ FUEL	668 GALLONS
		AVAILABLE BETWEEN 0 & 7.9 M.P.H.			

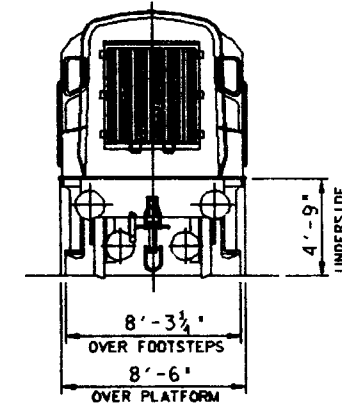
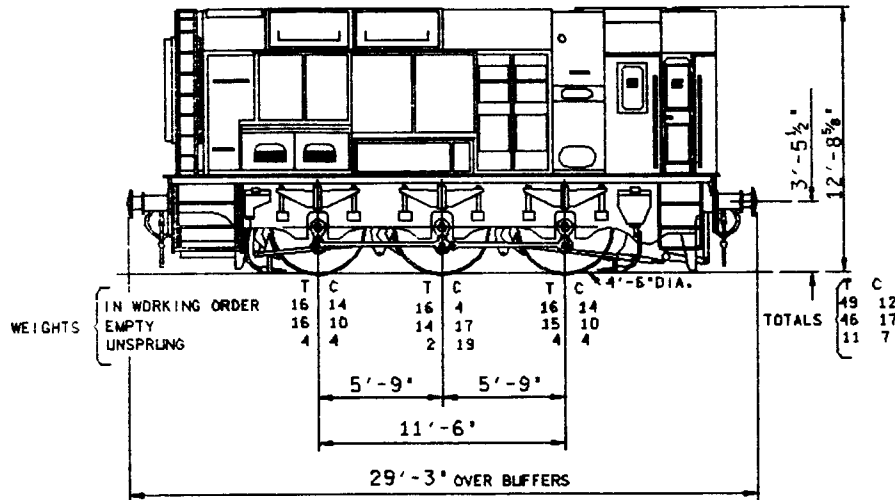
**350 H.P. B.R. O-6-O DIESEL ELECTRIC SHUNTING LOCOMOTIVE  
CLASS O8**

**O8-f A**

350 H.P.B.R.0-6-0 DIESEL ELECTRIC SHUNTING LOCOMOTIVE  
(110V AUXILIARY SUPPLY)

CLASS 08

08-0k	X
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ENGINE	MAKE & TYPE	ENGLISH ELECTRIC 6.K.T.
	NO. OF CYLS. & CYCLE	6 CYLS.4 STROKE
MAIN GENERATOR	MAX.CONT.RATED OUTPUT	400 H.P.AT 680 R.P.M.
	MAKE & TYPE	ENGLISH ELECTRIC 801
TRACTION MOTORS	MAKE & TYPE	ENGLISH ELECTRIC 506
	NO	TWO
	TYPE OF SUSPENSION	NOSE.
	TYPE OF GEAR DRIVE	DOUBLE REDUCTION
	MAX TRACTIVE EFFORT	35,000 LB.AT 31.5% ADHESION
PERFORMANCE	CONT.TRACTIVE EFFORT	11,100LB.AT 8.8 M.P.H.
		AT 441 AMPS.MAIN GENERATOR
	RAIL H.P.AT CONT.RATING	260 H.P.
	FULL ENGINE OUTPUT	AVAILABLE BETWEEN 0 & 7.9 M.P.H
DATA PANEL	WEIGHT	49 TONNES
	BRAKE FORCE	19 TONNES
	E.T.H.INDEX	-
	ROUTE AVAILABILITY	5.
	MAX.SPEED	15 M.P.H.

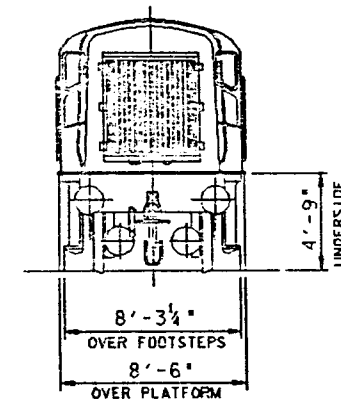
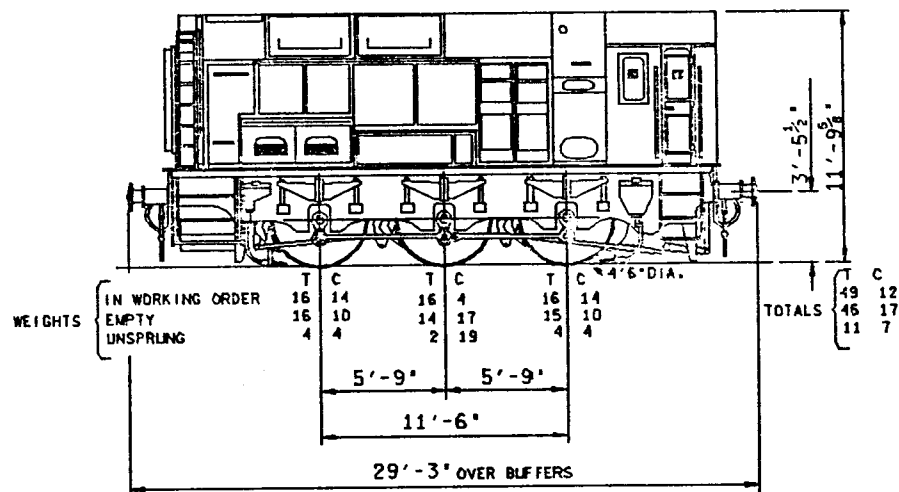
BRAKING	TYPE	FOR LOCO FOR TRAIN	STRAIGHT AIR & AUTO AIR. AUTO AIR & AIR CONT. VAC.
	BRAKE FORCE	{ % OF LOCO WEIGHT IN WORKING ORDER	65.4%
MULTIPLE WORKING	COUPLING SYMBOL		-
MINIMUM RADIUS	HORIZONTAL WITHOUT GAUGE WIDENING HORIZONTAL WITH 1/4 INS.GAUGE WIDENING VERTICAL CONVEX VERTICAL CONCAVE		3 CHAINS
CURVES			1.8 CHAINS
			3 CHAINS
TANK CAPACITY	FUEL		5.5 CHAINS 668 GALLONS

FEB.1988

# 350 H.P.B.R.0-6-0 DIESEL ELECTRIC SHUNTING LOCOMOTIVE

CLASS 08/9

08-9d A

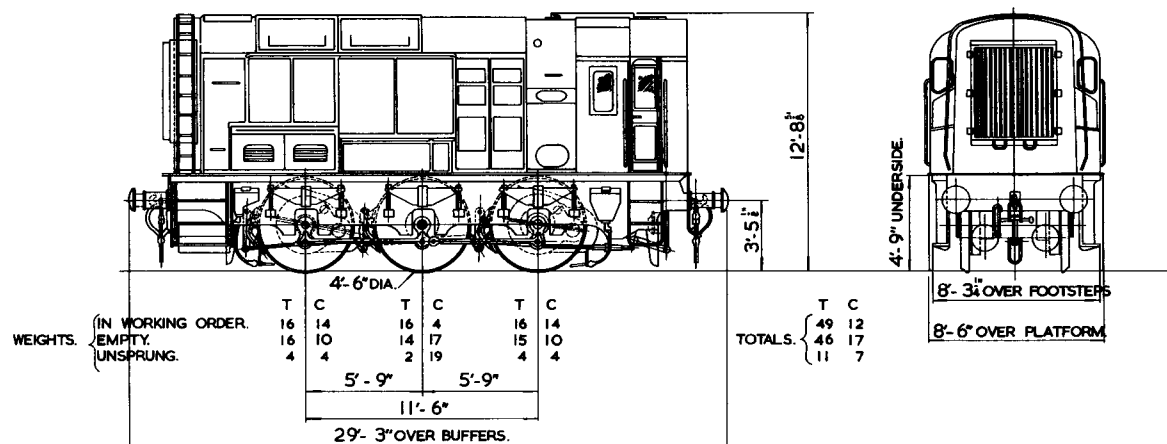


ENGINE	MAKE & TYPE	ENGLISH ELECTRIC 6.K.T.	BRAKING	TYPE	FOR LOCO FOR TRAIN	STRAIGHT AIR & AUTO AIR. AUTO AIR.
MAIN GENERATOR	NO. OF CYLS. & CYCLE	6 CYLS.4 STROKE		BRAKE FORCE	% OF LOCO WEIGHT IN WORKING ORDER	66.4%
	MAX.CONT.RATED OUTPUT	400 H.P.AT 680 R.P.M.	MULTIPLE WORKING	COUPLING SYMBOL		-
TRACTION MOTORS	MAKE & TYPE	ENGLISH ELECTRIC 801	MINIMUM RADIUS	HORIZONTAL WITHOUT GAUGE WIDENING		3 CHAINS
	MAKE & TYPE	ENGLISH ELECTRIC 506	CURVES	HORIZONTAL WITH 3/4INS.GAUGE WIDENING		1.8 CHAINS
	NO	TWO		VERTICAL CONVEX		3 CHAINS
	TYPE OF SUSPENSION	NOSE.	TANK CAPACITY	VERTICAL CONCAVE		5.5 CHAINS
	TYPE OF GEAR DRIVE	DOUBLE REDUCTION		FUEL		668 GALLONS
PERFORMANCE	MAX TRACTIVE EFFORT	35,000LB.AT 32% ADHESION				
	CONT.TRACTIVE EFFORT	11,100LB.AT 8.8 M.P.H.				
	RAIL H.P.AT CONT.RATING	260 H.P.				
	FULL ENGINE OUTPUT	AVAILABLE BETWEEN 0 & 7.9 M.P.H				
DATA PANEL	WEIGHT	49 TONNES				
	BRAKE FORCE	19 TONNES				
	E.T.H. INDEX	-				
	ROUTE AVAILABILITY	5.				
	MAX.SPEED	15 M.P.H.				

OCT.1987



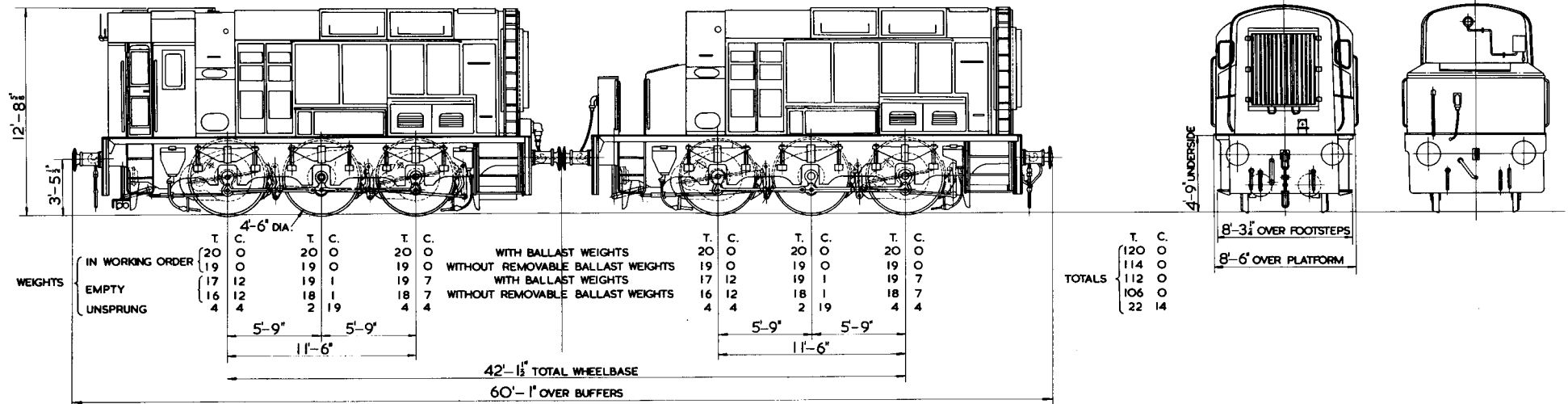
APRIL 1974



ENGINE.	{ MAKE & TYPE.	ENGLISH ELECTRIC 6.K.T.	BRAKING.	{ TYPE. { FOR LOCO.	STRAIGHT AIR & AUTO. AIR.
	{ No. OF CYLS. & CYCLE.	6 CYLS. 4 STROKE.		{ FOR TRAIN.	AUTO. AIR & AIR CONT. VAC.
MAIN GENERATOR.	{ MAX. CONT. RATED OUTPUT.	400 H.P. AT 680 R.P.M.		{ BRAKE FORCE. { % OF LOCO. WEIGHT.	65.4%
	{ MAKE & TYPE.	ENGLISH ELECTRIC 801.		{ IN WORKING ORDER.	
TRACTION MOTORS.	{ MAKE & TYPE.	ENGLISH ELECTRIC 506.	SPEED.	MAX. PERMITTED SERVICE SPEED.	27.5 M.P.H.
	{ No.	TWO.		{ HORIZONTAL WITHOUT GAUGE WIDENING.	3 CHAINS.
	{ TYPE OF SUSPENSION.	NOSE.	MINIMUM RADIUS.	{ HORIZONTAL WITH 3/4 INS. GAUGE WIDENING.	1.8 CHAINS.
	{ TYPE OF GEAR DRIVE.	DOUBLE REDUCTION.	CURVES.	{ VERTICAL CONVEX.	3 CHAINS.
	{ MAX. TRACTIVE EFFORT.	25,000 LB. AT 22.5% ADHESION.		{ VERTICAL CONCAVE.	5.5 CHAINS.
	{ CONT. TRACTIVE EFFORT.	8,700 LB. AT 11.6 M.P.H.	TANK CAPACITY.	FUEL.	668 GALLONS.
PERFORMANCE.	{ RAIL H.P. AT CONT. RATING.	269 H.P.			
	{ FULL ENGINE OUTPUT.	AVAILABLE BETWEEN 0 & 9.4 M.P.H.			

350 H.P. B.R. O - 6 - O DIESEL ELECTRIC SHUNTING LOCOMOTIVE.  
CLASS O9

O9-a X



ENGINE.	{ MAKE & TYPE. No. OF CYLS. & CYCLE. MAX. CONT. RATED OUTPUT.	TWO-ENGLISH ELECTRIC 6.K.T. 6 CYLS. 4 STROKE. 400 H.P. AT 680 R.P.M. EACH.	BRAKING.	{ TYPE { FOR LOCO. FOR TRAIN. BRAKE FORCE. { % OF LOCO. WEIGHT. IN WORKING ORDER.	AIR. VACUUM.
MAIN GENERATOR.	{ MAKE & TYPE.	TWO-ENGLISH ELECTRIC 801.	SPEED.	{ MAX. PERMITTED SERVICE SPEED.	20 M.P.H.
TRACTION MOTORS	{ MAKE & TYPE. No. TYPE OF SUSPENSION. TYPE OF GEAR DRIVE. MAX. TRACTIVE EFFORT.	ENGLISH ELECTRIC 506. FOUR. NOSE. DOUBLE REDUCTION. 70000 LB. AT 26% ADHESION.	MINIMUM RADIUS CURVES.	{ HORIZONTAL WITHOUT GAUGE WIDENING. HORIZONTAL WITH 3/8" IN. GAUGE WIDENING. VERTICAL CONVEX. VERTICAL CONCAVE.	3 CHAINS. 1.79 CHAINS. 2.5 CHAINS. 9 CHAINS.
PERFORMANCE (WITH MOTORS IN SERIES)	{ CONT. TRACTIVE EFFORT. RAIL H.P. AT CONT. RATING. FULL ENGINE OUTPUT.	AT 500 AMPS. EACH MAIN GENERATOR. 32,000 LB. AT 3.75 M.P.H. AT 280 AMPS. EACH MAIN GENERATOR. (IN SERIES, MOTORS ARE LIMITING) 320 H.P. AVAILABLE ON NOTCH 4 AT 485 AMPS. AT 2.2 M.P.H.	TANK CAPACITY.	ENGINE FUEL.	1336 GALLS.

**700 H.P. B.R. 0-6-0 + 0-6-0 DIESEL ELECTRIC SHUNTING LOCOMOTIVE.  
CLASS 13**

