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# **British Railways Board**

**Mechanical & Electrical Engineering Department**

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## **VEHICLE DIAGRAM BOOK NO 120**

**FOR**

## **Shunting Diesel Locomotives**



## PREFACE

A complete list of Vehicle Diagram Books is shown below, together with new or revised book reference numbers & the colours of the respective book covers. The existing Diagram books covering Locomotives and Rail Crane vehicles which were previously shown with MT/reference numbers, have now received new covers in accordance with this revised numbering system.

### REVISED VEHICLE DIAGRAM BOOK NUMBERS

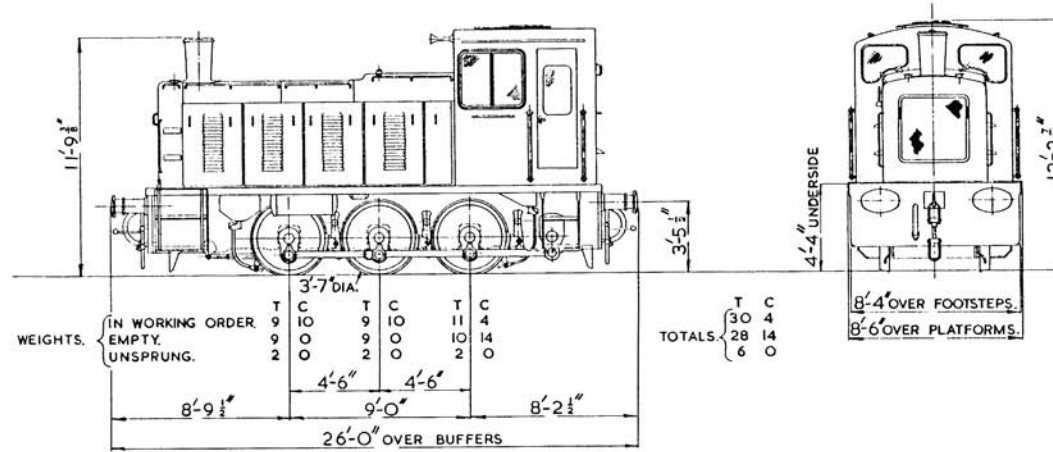
Vehicle Type	Diagram Book No	Colour of Cover	Vehicle Type	Diagram Book No	Colour of Cover
<u>Locomotives:- Diagram Book Series 100</u>			<u>Freight Vehicles:- Diagram Book Series 300</u>		
Diesel Electric Main Line Locos	100 (Previously No MT/25)	Red	Privately Owned Freight Vehicles	300	White
Electric Main Line Locos	110 (Previously No MT/26)	Green	Privately Owned International Ferry Vehicle	310	White
Diesel Shunting Locos	120 (Previously No MT/27)	Yellow	BR Revenue Freight Vehicle	320	Buff
<u>Coaching &amp; Multiple Unit Stock:- Diagram Book Series 200</u>			BR International Ferry Vehicles	330	Buff
Loco Hauled Coaches	200	Orange	Foreign Administration Freight Vehicles	340	White
Electric Multiple Units	210	Blue	BR Service Department Vehicles	350	Buff
Diesel Multiple Units (Railcar)	220	Pink	<u>ON Track Plant:- Diagram Book Series 400</u>		
Diesel Electric Multiple Units (HST)	230	Pink	Rail Cranes & Tracklaying Vehicles	400	Red
				(Previously No MT/212)	

Issued by:-

Director of Mechanical & Electrical Engineering  
Railway Technical Centre  
DERBY

JULY 1982

APRIL 1974

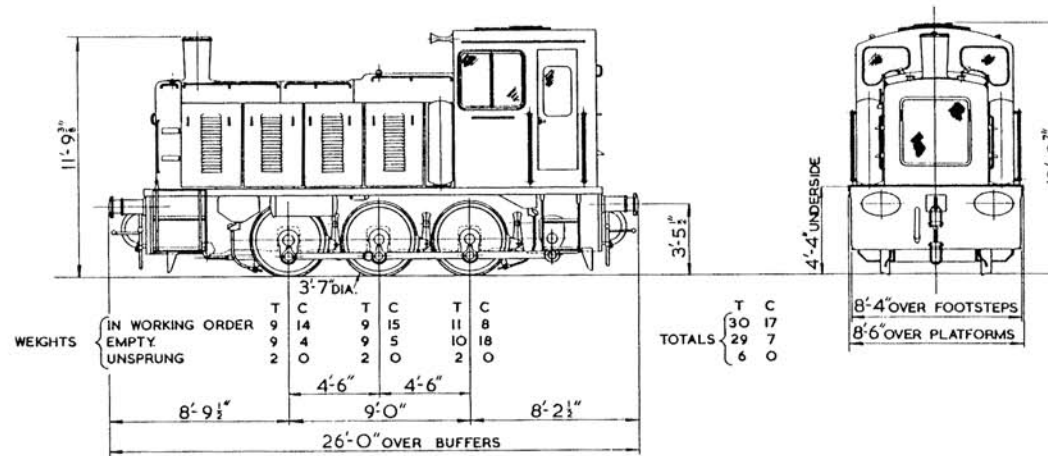


ENGINE.	{	MAKE & TYPE.	GARDNER 8 L.3.	BRAKING.	{	TYPE.	{ FOR LOCO. FOR TRAIN.	AIR.
		No. OF CYLS. & CYCLE	8 CYLS. 4 STROKE.			VACUUM.		
		MAX. CONT. RATED OUTPUT.	204 H.P. AT 1200 R.P.M.			{ % OF LOCO. WEIGHT IN WORKING ORDER.	70 %.	
TRANSMISSION.	{	ENGINE TO GEARBOX.	FLUIDRIVE TYPE 23 HYD. COUPLING.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

APRIL 1974

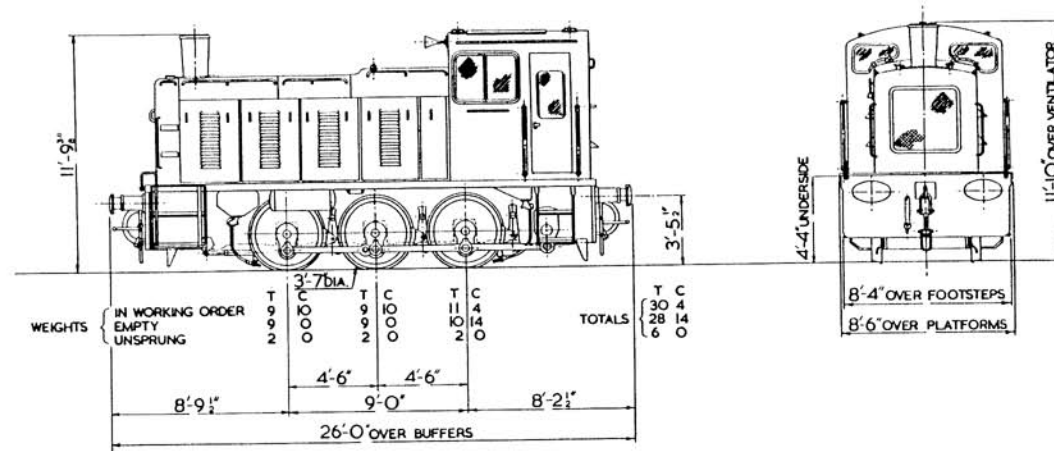


ENGINE	MAKE & TYPE	GARDNER 8 L.3.	BRAKING	TYPE	{ FOR LOCO FOR TRAIN	STRAIGHT AIR & AUTO AIR AUTO AIR & AIR CONT. VAC. 68.5%
	No. OF CYLS. & CYCLE	8 CYLS. 4 STROKE		BRAKE FORCE	{ % OF LOCO. WEIGHT IN WORKING ORDER	
	MAX. CONT. RATED OUTPUT	204 H.P. AT 1200 R.P.M.				
TRANSMISSION	ENGINE TO GEARBOX	FLUIDRIVE TYPE 23 HYD. COUPLING	SPEED	MAX. PERMITTED SERVICE SPEED	28.5 M.P.H.	
	GEARBOX	WILSON-DREWRY C.A.5. R.7.		MINIMUM RADIUS CURVES	{ HORIZONTAL WITHOUT GAUGE WIDENING HORIZONTAL WITH 3/4 INS. GAUGE WIDENING	2 CHAINS 1.1 CHAINS
	FINAL DRIVE	S.C.G. Co. TYPE R.F. II.			{ VERTICAL CONVEX VERTICAL CONCAVE	3 CHAINS 6.5 CHAINS
PERFORMANCE	MAX. TRACTIVE EFFORT	15300 LB. AT 22.1% ADHESION	TANK CAPACITY	FUEL	300 GALLONS	
	CONT. TRACTIVE EFFORT	15300 LB. AT 3.75 M.P.H.				

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

O3-b X

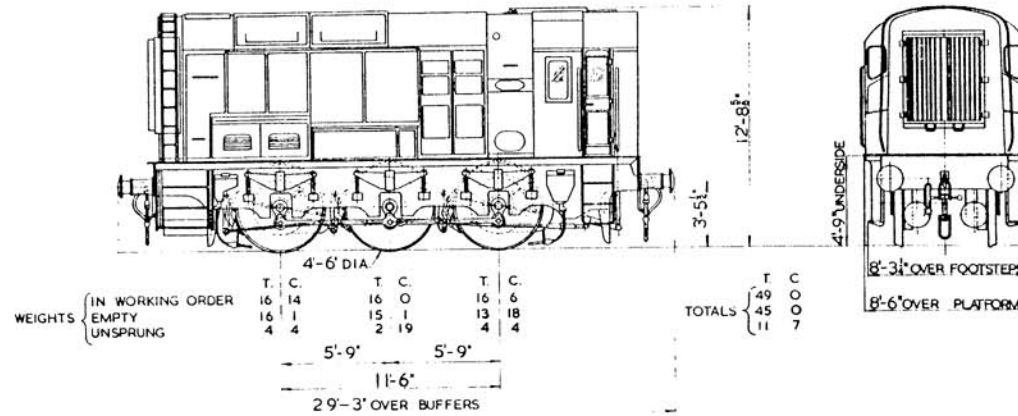
APRIL 1974



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

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

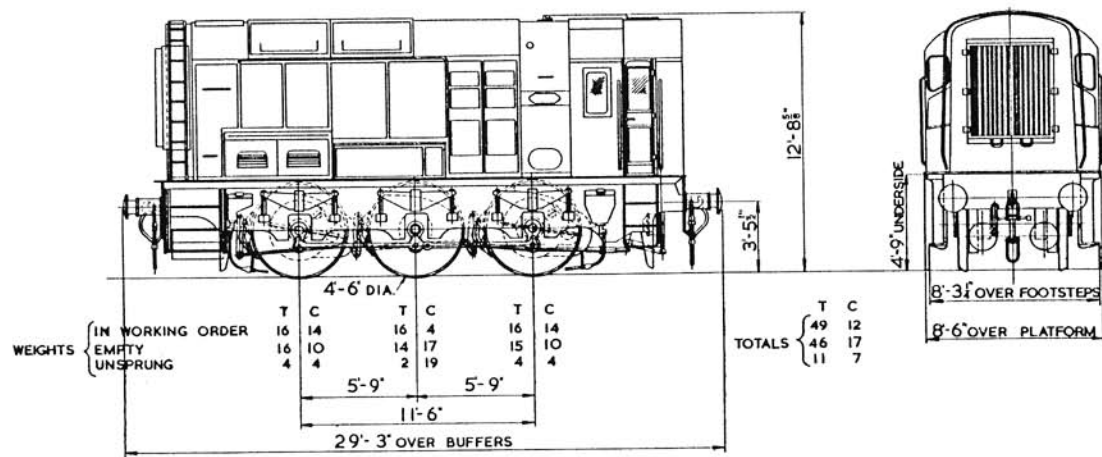
O3 - c V



ENGINE.	{ MAKE & TYPE No. OF CYLS. & CYCLE MAX. CONT. RATED OUTPUT.	ENGLISH ELECTRIC 6.K.T. 6 CYLS. 4 STROKE. 400 H.P. AT 680 R.P.M.	BRAKING.	{ TYPE { FOR LOCO FOR TRAIN. BRAKE FORCE { % OF LOCO. WEIGHT IN WORKING ORDER.	AIR. VACUUM. 66.2%.
MAIN GENERATOR.	{ MAKE & TYPE	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. TWO. NOSE. DOUBLE REDUCTION. 35000 LB. AT 31.9% ADHESION	MINIMUM RADIUS CURVES	{ HORIZONTAL WITHOUT GAUGE WIDENING HORIZONTAL WITH 3/4 INS. GAUGE WIDENING VERTICAL CONVEX VERTICAL CONCAVE	3 CHAINS 18 CHAINS 3 CHAINS 5.5 CHAINS
PERFORMANCE.	{ CONT. TRACTIVE EFFORT. RAIL HP AT CONT. RATING. FULL ENGINE OUTPUT.	AT 1020 AMPS. MAIN GENERATOR. 11,100 LB. AT 8.8 M.P.H. AT 441 AMPS MAIN GENERATOR 260 H.P. AVAILABLE BETWEEN 0 & 7.9 M.P.H.	TANK CAPACITY	FUEL	668 GALLONS

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

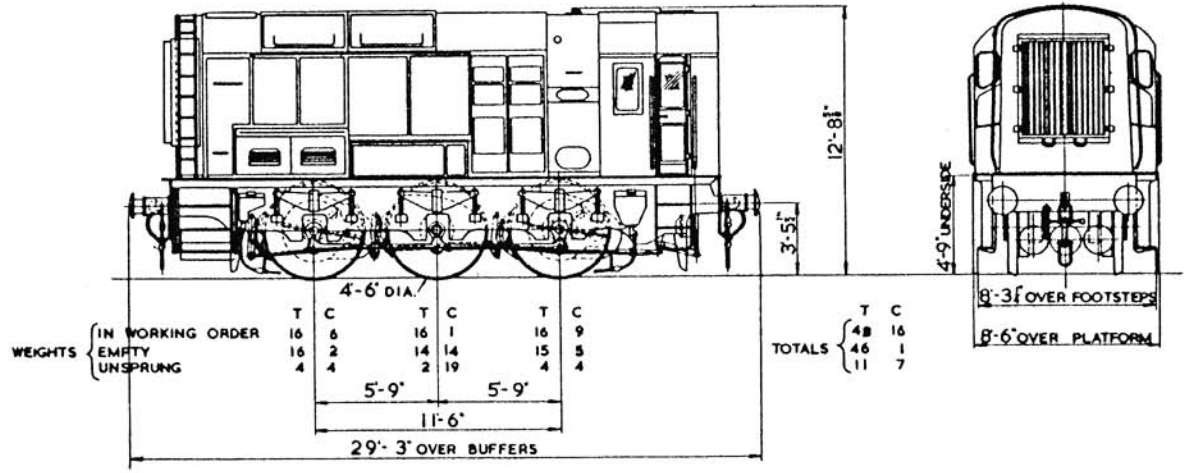
O8-a V



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	MAX. CONT. RATED OUTPUT	400 H.P. AT 680 R.P.M.	SPEED		MAX. PERMITTED SERVICE SPEED	20 M.P.H.
	MAKE & TYPE	ENGLISH ELECTRIC 801	MINIMUM RADIUS		HORIZONTAL WITHOUT GAUGE WIDENING	3 CHAINS
TRACTION MOTORS	MAKE & TYPE	ENGLISH ELECTRIC 506	CURVES		HORIZONTAL WITH 3/4 INS. 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
	MAX. TRACTIVE EFFORT	35000 LB. AT 31.5% ADHESION				
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				
	FULL ENGINE OUTPUT	260 H.P.				
		AVAILABLE BETWEEN 0 & 7.9 M.P.H.				

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

O8- b X

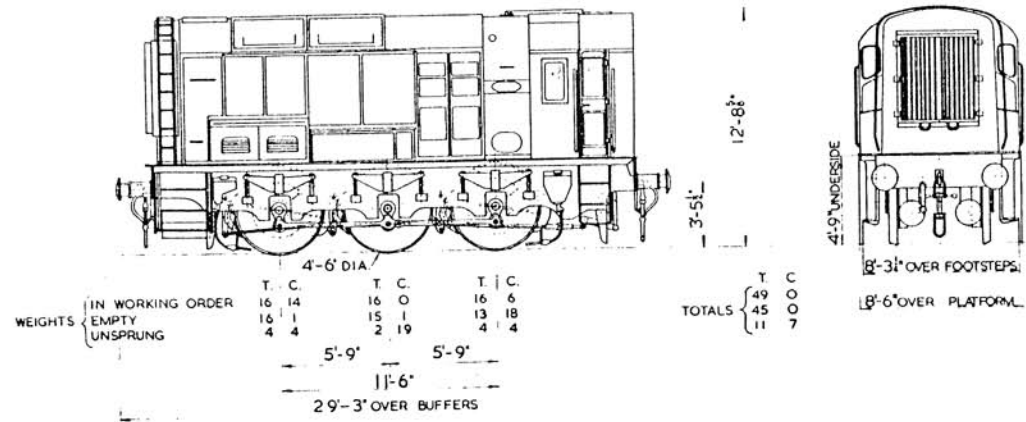


ENGINE	MAKE & TYPE	ENGLISH ELECTRIC 6.K.T.	BRAKING	TYPE	FOR LOCO	STRAIGHT AIR & AUTO AIR
	No. OF CYLS. & CYCLE	6 CYLS. 4 STROKE		FOR TRAIN	AUTO AIR	
MAIN GENERATOR	MAX. CONT. RATED OUTPUT	400 H.P. AT 680 R.P.M.		BRAKE FORCE	{ % OF LOCO. WEIGHT	66.4%
	MAKE & TYPE	ENGLISH ELECTRIC 801			{ IN WORKING ORDER	
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 32 % ADHESION			VERTICAL CONCAVE	5.5 CHAINS
PERFORMANCE	CONT. TRACTIVE EFFORT	11,100 LB. AT 8.8 M.P.H.	TANK CAPACITY	FUEL		668 GALLONS
		AT 1020 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. O-6-O DIESEL ELECTRIC SHUNTING LOCOMOTIVE  
CLASS O8

O8-c A

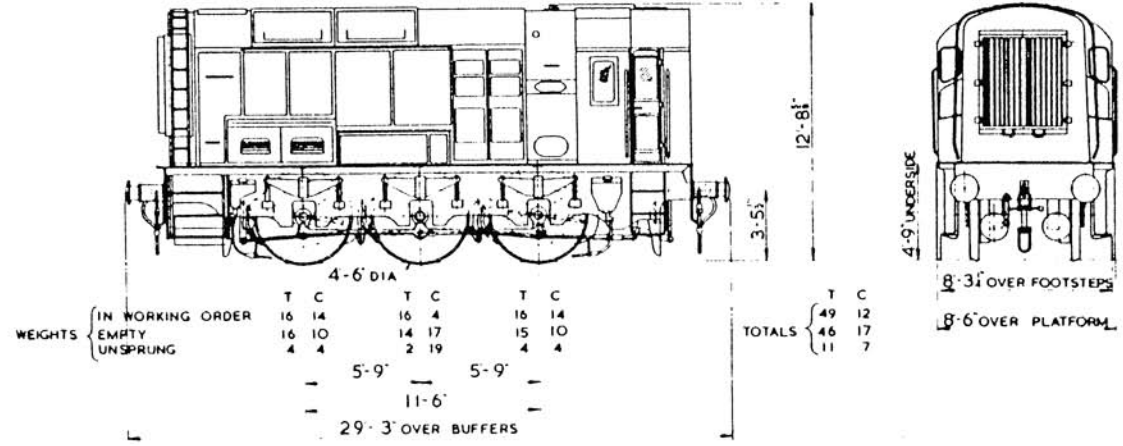




ENGINE.	MAKE & TYPE.	ENGLISH ELECTRIC 6.K.T.	BRAKING.	TYPE { FOR LOCO. FOR TRAIN	AIR.
	No. OF CYLS. & CYCLE.	6 CYLS. 4 STROKE.		BRAKE FORCE { % OF LOCO. WEIGHT IN WORKING ORDER.	VACUUM
MAIN GENERATOR.	MAX. CONT. RATED OUTPUT.	400 H.P. AT 680 R.P.M.	SPEED.	MAX. PERMITTED SERVICE SPEED	66.2%.
	MAKE & TYPE.	ENGLISH ELECTRIC 801.	MINIMUM RADIUS	HORIZONTAL WITHOUT GAUGE WIDENING HORIZONTAL WITH 3/4 INS. GAUGE WIDENING	15 M.P.H.
TRACTION MOTORS	MAKE & TYPE.	ENGLISH ELECTRIC 506.	CURVES		VERTICAL CONVEX
	No.	TWO.	TANK CAPACITY	VERTICAL CONCAVE	1.8 CHAINS
	TYPE OF SUSPENSION.	NOSE.		FUEL	3 CHAINS
	TYPE OF GEAR DRIVE	DOUBLE REDUCTION.			5.5 CHAINS
	MAX. TRACTIVE EFFORT.	35000 L.B. AT 31.9% ADHESION			668 GALLONS
		AT 1020 AMPS. MAIN GENERATOR.			
PERFORMANCE.	CONT. TRACTIVE EFFORT.	11,100 L.B. 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 O-6-O DIESEL ELECTRIC SHUNTING LOCOMOTIVE.  
CLASS O8**

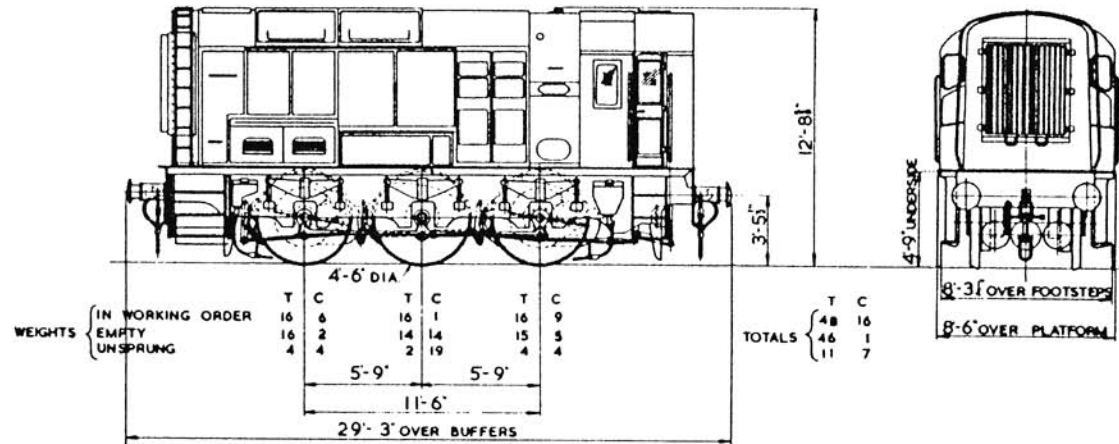
**O8-dV**



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
				{ FOR TRAIN	AUTO AIR & AIR CONT VAC
				{ BRAKE FORCE { % OF LOCO WEIGHT	65 4%
				{ IN WORKING ORDER	
TRACTION MOTORS	{ MAKE & TYPE	ENGLISH ELECTRIC 506	SPEED	MAX PERMITTED SERVICE SPEED	15 MPH
	{ No	TWO			
	{ TYPE OF SUSPENSION	NOSE	MINIMUM RADIUS	{ HORIZONTAL WITHOUT GAUGE WIDENING	3 CHAINS
	{ TYPE OF GEAR DRIVE	DOUBLE REDUCTION	CURVES	{ HORIZONTAL WITH 3/4 INS GAUGE WIDENING	1 8 CHAINS
	{ MAX TRACTIVE EFFORT	35000 LB. AT 31 5% ADHESION		{ VERTICAL CONVEX	3 CHAINS
		AT 1020 AMPS. MAIN GENERATOR	TANK CAPACITY	{ VERTICAL CONCAVE	5 5 CHAINS
PERFORMANCE	{ CONT TRACTIVE EFFORT	11,100 LB. AT 8 8 M.P.H.		FUEL	668 GALLONS
		AT 441 AMPS. MAIN GENERATOR			
	{ RAIL H.P. AT CONT RATING	260 HP			
	{ FULL ENGINE OUTPUT	AVAILABLE BETWEEN 0 & 7 9 M.P.H.			

350 H.P. B.R. 0-6-0 DIESEL ELECTRIC SHUNTING LOCOMOTIVE  
CLASS O8

O8-e X



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
MAIN GENERATOR	MAX. CONT. RATED OUTPUT	400 H.P. AT 680 R.P.M.		BRAKE FORCE	% OF LOCO WEIGHT	66.4%
	MAKE & TYPE	ENGLISH ELECTRIC 801			IN WORKING ORDER	
TRACTION MOTORS	MAKE & TYPE	ENGLISH ELECTRIC 506	SPEED			15 M.P.H.
	No.	TWO				3 CHAINS
	TYPE OF SUSPENSION	NOSE	MINIMUM RADIUS			1.8 CHAINS
	TYPE OF GEAR DRIVE	DOUBLE REDUCTION	CURVES			3 CHAINS
	MAX. TRACTIVE EFFORT	35000 LB. AT 32% ADHESION				5.5 CHAINS
PERFORMANCE	CONT. TRACTIVE EFFORT	AT 1020 AMPS. MAIN GENERATOR	TANK CAPACITY			668 GALLONS
		11,100 LB. AT 8.8 M.P.H.				
	RAIL H.P. AT CONT. RATING	AT 441 AMPS. MAIN GENERATOR				
	FULL ENGINE OUTPUT	260 H.P.				
		AVAILABLE BETWEEN 0 & 7.9 M.P.H.				

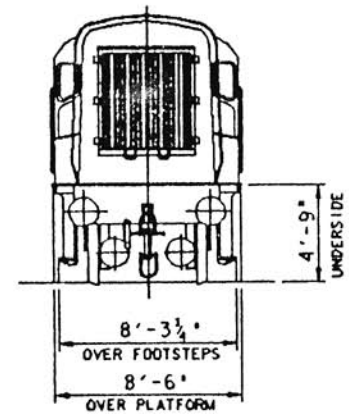
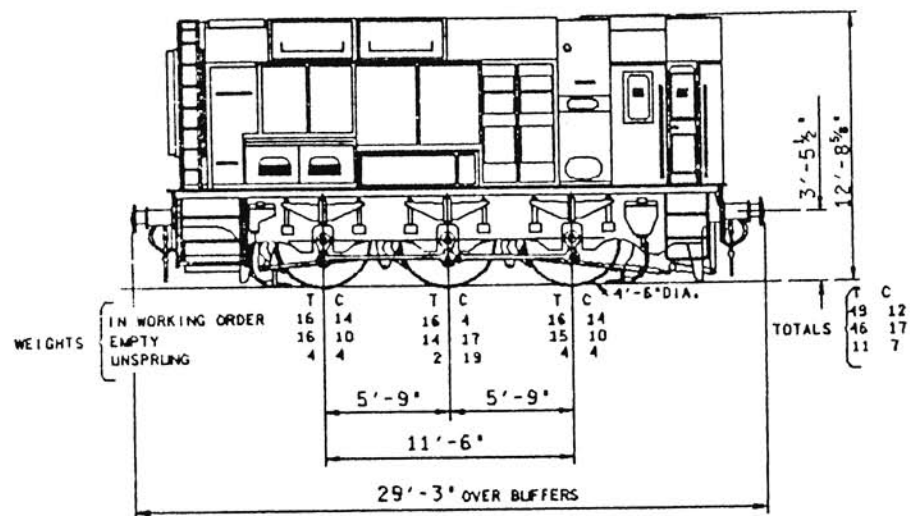
350 H.P. B.R. O-6-O DIESEL ELECTRIC SHUNTING LOCOMOTIVE  
CLASS O8

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
		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.
DATA PANEL	WEIGHT	49 TONNES
	BRAKE FORCE	19 TONNES
	E.T.H. INDEX	-
	ROUTE AVAILABILITY	5.
	MAX. SPEED	15 M.P.H.

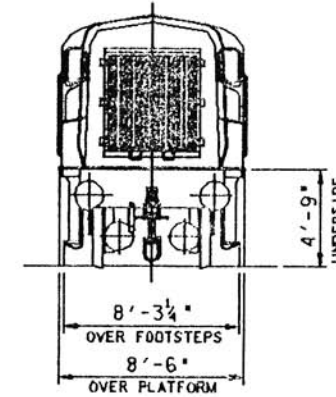
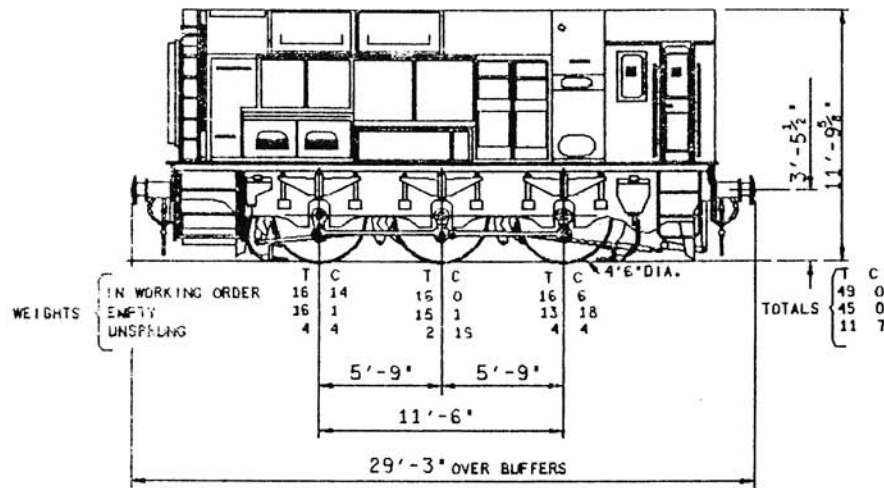
BRAKING	TYPE	FOR LOCO	STRAIGHT AIR & AUTO AIR.
		FOR TRAIN	AUTO AIR & AIR CONT. VAC.
	BRAKE FORCE	% OF LOCO WEIGHT	65.4%
		IN WORKING ORDER	
MULTIPLE WORKING	COUPLING SYMBOL		-
		HORIZONTAL WITHOUT GAUGE WIDENING	3 CHAINS
MINIMUM RADIUS		HORIZONTAL WITH 3/4 INS. GAUGE WIDENING	1.8 CHAINS
CURVES		VERTICAL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

FEB. 1988

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

CLASS 08/9

08-9a V



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 31.9% ADHESION
		AT 1020 AMPS.MAIN GENERATOR
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	20 M.P.H.

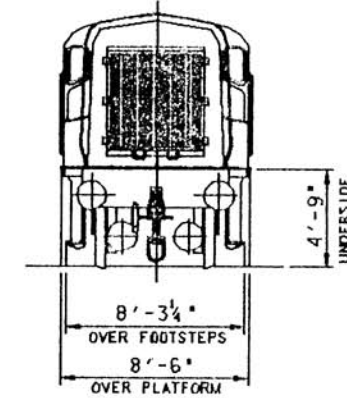
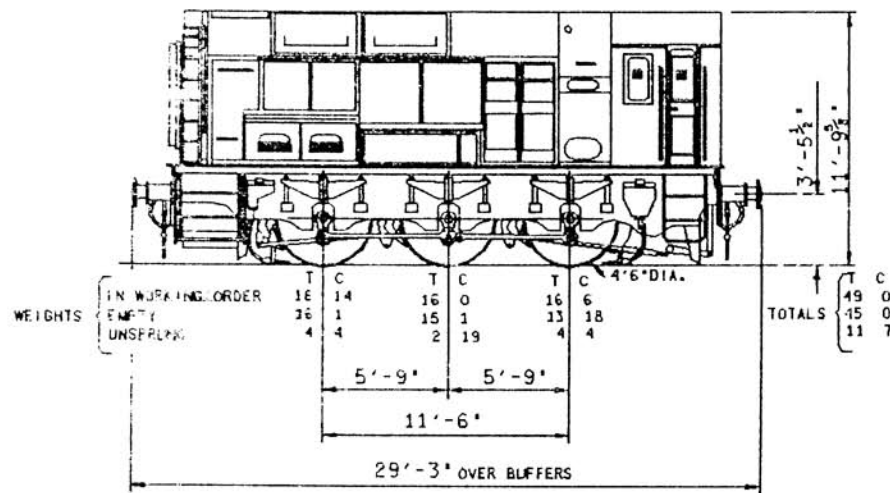
BRAKING	TYPE	FOR LOCO	AIR.
		FOR TRAIN	VACUUM.
	BRAKE FORCE	% OF LOCO WEIGHT	66.2%
		IN WORKING ORDER	
MULTIPLE WORKING	COUPLING SYMBOL		-
MINIMUM RADIUS	HORIZONTAL WITHOUT GAUGE WIDENING		3 CHAINS
CURVES	HORIZONTAL WITH WINS.GAUGE WIDENING		1.8 CHAINS
	VERTICAL CONVEX		3 CHAINS
TANK CAPACITY	VERTICAL CONCAVE		5.5 CHAINS
	FUEL		593 GALLONS

APRIL.1985

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

CLASS 08/9

08-9b V



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 31.9% ADHESION
		AT 1020 AMPS.MAIN GENERATOR
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.

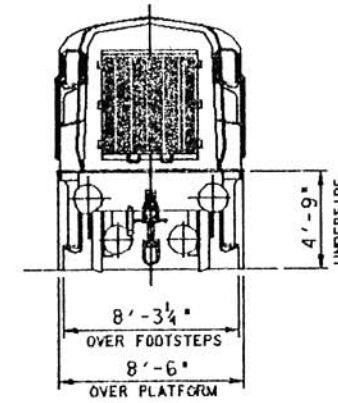
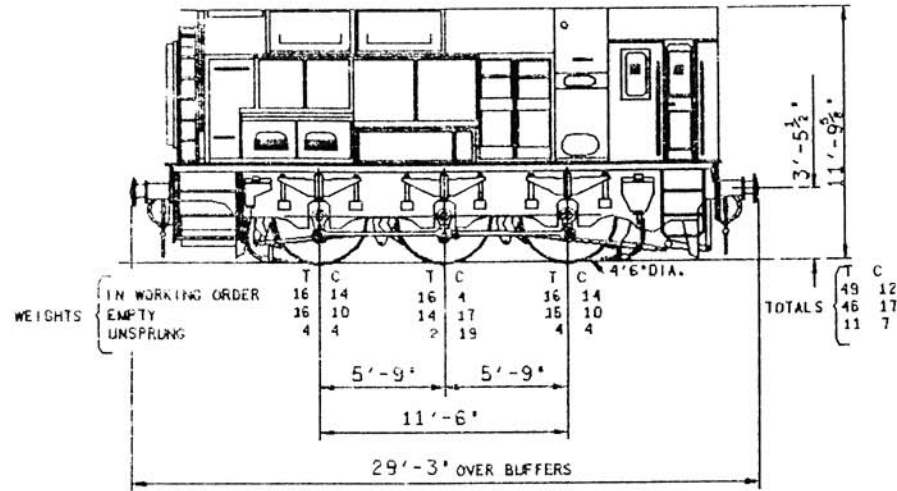
BRAKING	TYPE	FOR LOCO	AIR.
		FOR TRAIN	VACUUM.
	BRAKE FORCE	% OF LOCO WEIGHT	66.2%
		IN WORKING ORDER	
MULTIPLE WORKING	COUPLING SYMBOL	-	
		HORIZONTAL WITHOUT GAUGE WIDENING	3 CHAINS
MINIMUM RADIUS		HORIZONTAL WITH 1/4INS.GAUGE WIDENING	1.8 CHAINS
CURVES		VERTICAL CONVEX	3 CHAINS
		VERTICAL CONCAVE	5.5 CHAINS
TANK CAPACITY	FUEL		593 GALLONS

APRIL.1985

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

CLASS 08/9

08-9c	X
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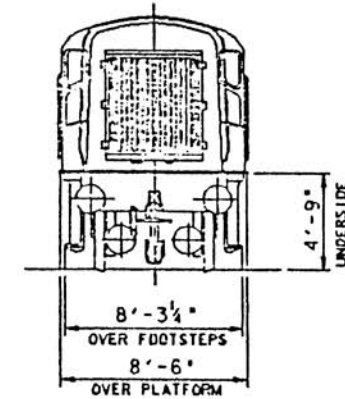
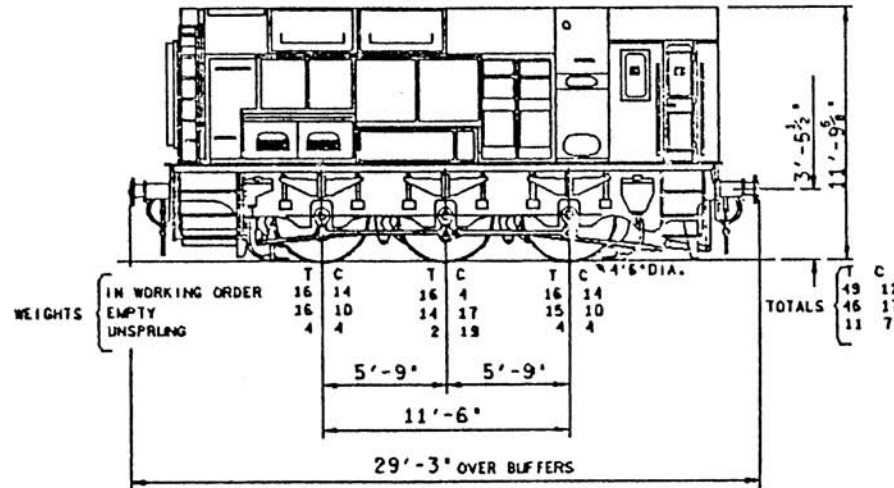
ENGINE	MAKE & TYPE	ENGLISH ELECTRIC 6.K.T.	BRAKING	TYPE	FOR LOCO	STRAIGHT AIR & AUTO.AIR
	NO. OF CYLS. & CYCLE	6 CYLS.4 STROKE		FOR TRAIN	FOR TRAIN	AUTO.AIR & AIR CONT.VAC
MAIN GENERATOR	MAX.CONT.RATED OUTPUT	400 H.P.AT 680 R.P.M.		BRAKE FORCE	{ % OF LOCO WEIGHT	65.4%
	MAKE & TYPE	ENGLISH ELECTRIC 801	MULTIPLE WORKING	IN WORKING ORDER	COUPLING SYMBOL	-
TRACTION MOTORS	MAKE & TYPE	ENGLISH ELECTRIC 506			HORIZONTAL WITHOUT GAUGE WIDENING	3 CHAINS
	NO	TWO			HORIZONTAL WITH 3/4INS.GAUGE WIDENING	1.8 CHAINS
	TYPE OF SUSPENSION	NOSE.	MINIMUM RADIUS		VERTICAL CONVEX	3 CHAINS
	TYPE OF GEAR DRIVE	DOUBLE REDUCTION	CURVES		VERTICAL CONCAVE	5.5 CHAINS
	MAX TRACTIVE EFFORT	35,000 LB.AT 31.5% ADHESION	TANK CAPACITY		FUEL	593 GALLONS
		AT 1020 AMPS.MAIN GENERATOR				
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.				

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

CLASS 08/9

08-9d A

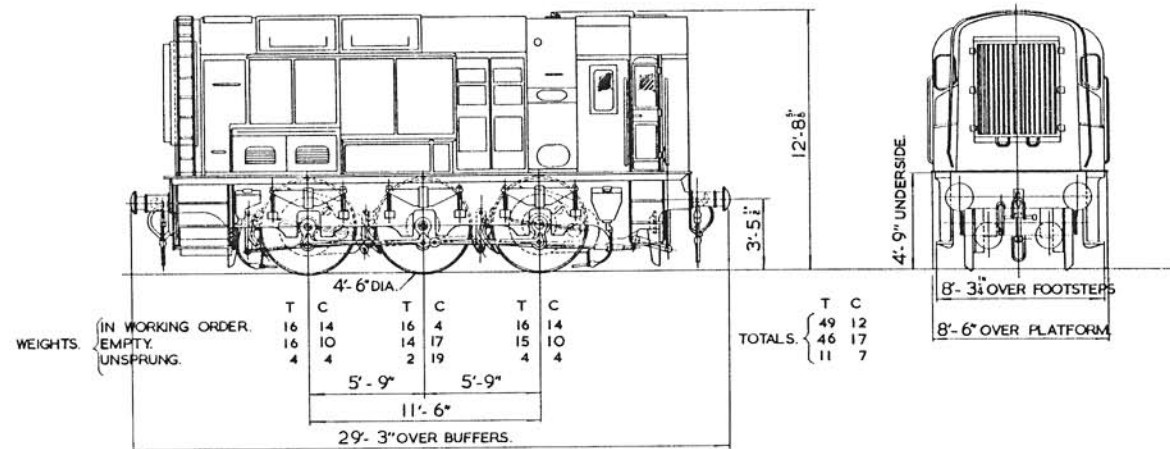


ENGINE	MAKE & TYPE	ENGLISH ELECTRIC 6.K.T.	BRAKING	TYPE	FOR LOCO	STRAIGHT AIR & AUTO AIR.
	No. OF CYLS. & CYCLE	6 CYLS.4 STROKE		FOR TRAIN		AUTO AIR.
MAIN GENERATOR	MAX.CONT.RATED OUTPUT	400 H.P.AT 680 R.P.M.		BRAKE FORCE	% OF LOCO WEIGHT	66.4%
	MAKE & TYPE	ENGLISH ELECTRIC 801		IN WORKING ORDER		
TRACTION MOTORS	MAKE & TYPE	ENGLISH ELECTRIC 506	MULTIPLE WORKING	COUPLING SYMBOL		-
	No	TWO		HORIZONTAL WITHOUT GAUGE WIDENING		3 CHAINS
	TYPE OF SUSPENSION	NOSE.		HORIZONTAL WITH 1/4 INS.GAUGE WIDENING		1.8 CHAINS
	TYPE OF GEAR DRIVE	DOUBLE REDUCTION	MINIMUM RADIUS	VERTICAL CONVEX		3 CHAINS
	MAX TRACTIVE EFFORT	35,000LB.AT 32% ADHESION	CURVES	VERTICAL CONCAVE		5.5 CHAINS
PERFORMANCE	CONT.TRACTIVE EFFORT	11,100LB.AT 8.8 M.P.H.	TANK CAPACITY	FUEL		668 GALLONS
	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.				

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ENGINE.	{ MAKE & TYPE. No. OF CYLS. & CYCLE. MAX. CONT. RATED OUTPUT.	ENGLISH ELECTRIC 6 K.T. 6 CYLS. 4 STROKE. 400 HP AT 680 R.P.M.	BRAKING	{ TYPE. { FOR LOCO. FOR TRAIN BRAKE FORCE. { % OF LOCO. WEIGHT { IN WORKING ORDER.	STRAIGHT AIR & AUTO. AIR AUTO. AIR & AIR CONT. VAC. 65.4%
MAIN GENERATOR.	{ MAKE & TYPE.	ENGLISH ELECTRIC 801.	SPEED.	MAX. PERMITTED SERVICE SPEED.	27.5 M.P.H.
TRACTION MOTORS	{ MAKE & TYPE. No. TYPE OF SUSPENSION. TYPE OF GEAR DRIVE. MAX. TRACTIVE EFFORT.	ENGLISH ELECTRIC 506. TWO. NOSE. DOUBLE REDUCTION. 25,000 LB. AT 22.5% ADHESION.	MINIMUM RADIUS. CURVES.	{ HORIZONTAL WITHOUT GAUGE WIDENING. HORIZONTAL WITH 3/4 INS. GAUGE WIDENING. VERTICAL CONVEX. VERTICAL CONCAVE.	3 CHAINS. 1.8 CHAINS. 3 CHAINS. 5.5 CHAINS.
PERFORMANCE.	{ CONT. TRACTIVE EFFORT. RAIL H.P. AT CONT. RATING. FULL ENGINE OUTPUT.	AT 1000 AMPS MAIN GENERATOR. 8,700 LB. AT 11.6 M.P.H. AT 465 AMPS. MAIN GENERATOR. 269 H.P. AVAILABLE BETWEEN 0 & 9.4 M.P.H.	TANK CAPACITY.	FUEL.	668 GALLONS.

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

O9 - a X

SHUNTING LOCOMOTIVE DIAGRAM BOOK

VEHICLE DIAGRAM BOOK NO. 120

REVISION LETTER NO. 12

<u>LOCATION</u>	<u>ACTION</u>	<u>REASON FOR CHANGE</u>
Following Diagram 08-fA	Insert new diagram 08-0kX	For locomotives with 110 V Auxiliary Supply
Following Diagram 08-9cX	Insert new diagram 08-9dA	For loco. nos. 08462 and 08687 with height reduced to work BPGV line

After incorporating the above, endorse the "Revision Record" at the front of the manual accordingly.

When this Revision letter has been actioned, it is to be stored at the back of the publication (capacity permitting) for easy future reference.

Date : NOVEMBER 1988

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