

MT/27

SEE NEW BOOK  
ISSUED APRIL/74.

# B.R. Shunting Diesel Locomotive Diagram Book

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This PDF version by David Faulkner, 2013.

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## PREFACE

1. It should be noted that this Shunting Diesel Locomotive Diagram Book completely replaces the earlier (page size 11" x 5 $\frac{3}{4}$ ") edition which must be destroyed.
2. A complete set of locomotive diagram books consists of the following:-

DIAGRAM BOOK	PUBLICATION NO.
a) Main Line Diesel Locomotive.	MT/25
b) Electric Locomotive.	MT/26
c) Shunting Diesel Locomotive.	MT/27

Each separate book contains the relevant index sheets to relate the locomotive number to the applicable diagram number.

3. The photographs, where included, depict typical locomotives in their "as built" condition.
4. This diagram book has been updated up to and including JANUARY 1973

issued by:-

Chief Mechanical and Electrical Engineer  
The Railway Technical Centre  
DERBY.

Date : JANUARY 1973

1/27

MT/2

LOCO. NUMBER	DIAGRAM NUMBER	LOCO. NUMBER	DIAGRAM NUMBER	LOCO. NUMBER	DIAGRAM NUMBER	LOCO. NUMBER	DIAGRAM NUMBER	LOCO. NUMBER	DIAGRAM NUMBER	LOCO. NUMBER	DIAGRAM NUMBER	LOCO. NUMBER	DIAGRAM NUMBER	LOCO. NUMBER	DIAGRAM NUMBER	LOCO. NUMBER	DIAGRAM NUMBER	LOCO. NUMBER	DIAGRAM NUMBER	LOCO. NUMBER	DIAGRAM NUMBER								
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		2027	"	2072	DM/200/1			2162	DM/200/3																				
				2073	DM/200/3			2163	DM/200/1																				
		2029	"			2119	DM/200/1	2164	"							2369	"												
				2075	DM/200/1	2120	"	2165	"																				
				2076	"	2121	"	2166	"																				
								2167	"												2437	DM/200/1							
				2078	DM/200/3			2169	"																				
		2084	DM/200/1	2079	DM/200/1			2169	"													2440	"						
		2085	"	2080	"			2170	DM/200/3																				
				2081	"			2171	DM/200/1																				
		2087	"					2172	"														2397	DM/200/3					
						2128	DM/200/1	2173	"																				
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				2086	DM/200/3			2175	"																2444	DM/200/1			
				2044	DM/200/1	2089	DM/200/3	2134	DM/200/1	2179	DM/200/3																		
		2045	"	2090	DM/200/1	2135	"	2180	"																				
				2091	"																								
		2047	"	2092	"	2137	"																						
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2003	"	2030	"	2095	DM/200/1																								
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2009	"			2099	"	2144	DM/200/2	2189	DM/200/1																	2414	"		
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2017	"	2062	"	2107	"	2152	"	2197	DM/200/3																			2422	"
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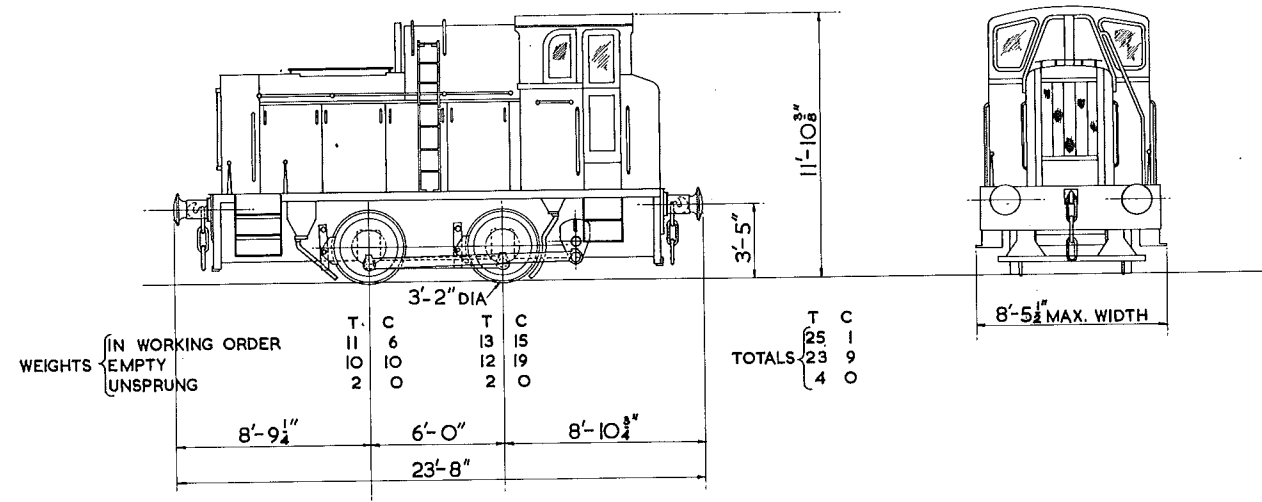
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		3024	"	3069	"	3114	"			3204	"	3249	"	3294	"	3339	"	3384	"	3429	"
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3468		3513		3558		3603				3693		3738		3783		3828		3873		3918	DE/360/4
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3472		3517		3562		3607	DE/360/1	3652	DE/360/1			3742		3787		3832		3877		3922	DE/360/4
		3518		3563		3608		3653				3743		3788		3833		3878		3923	DE/360/4
		3519		3564		3609		3654		3699	DE/360/4	3744		3789		3834		3879		3924	
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		3530		3575				3665	DE/360/5	3710		3755		3800		3845		3890		3935	DE/360/4
		3531		3576				3666		3711		3756		3801		3846		3891		3936	DE/360/4
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LOCO. NUMBER	DIAGRAM NUMBER	LOCO. NUMBER	DIAGRAM NUMBER	LOCO. NUMBER	DIAGRAM NUMBER	LOCO. NUMBER	DIAGRAM NUMBER	LOCO. NUMBER	DIAGRAM NUMBER	LOCO. NUMBER	DIAGRAM NUMBER	LOCO. NUMBER	DIAGRAM NUMBER	LOCO. NUMBER	DIAGRAM NUMBER	LOCO. NUMBER	DIAGRAM NUMBER	LOCO. NUMBER	DIAGRAM NUMBER	LOCO. NUMBER	DIAGRAM NUMBER
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3994	"	4039	"			4129	DE/360/1	4174	DE/360/4												
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3999	"	4044	"			4134	DE/360/4	4179	"												
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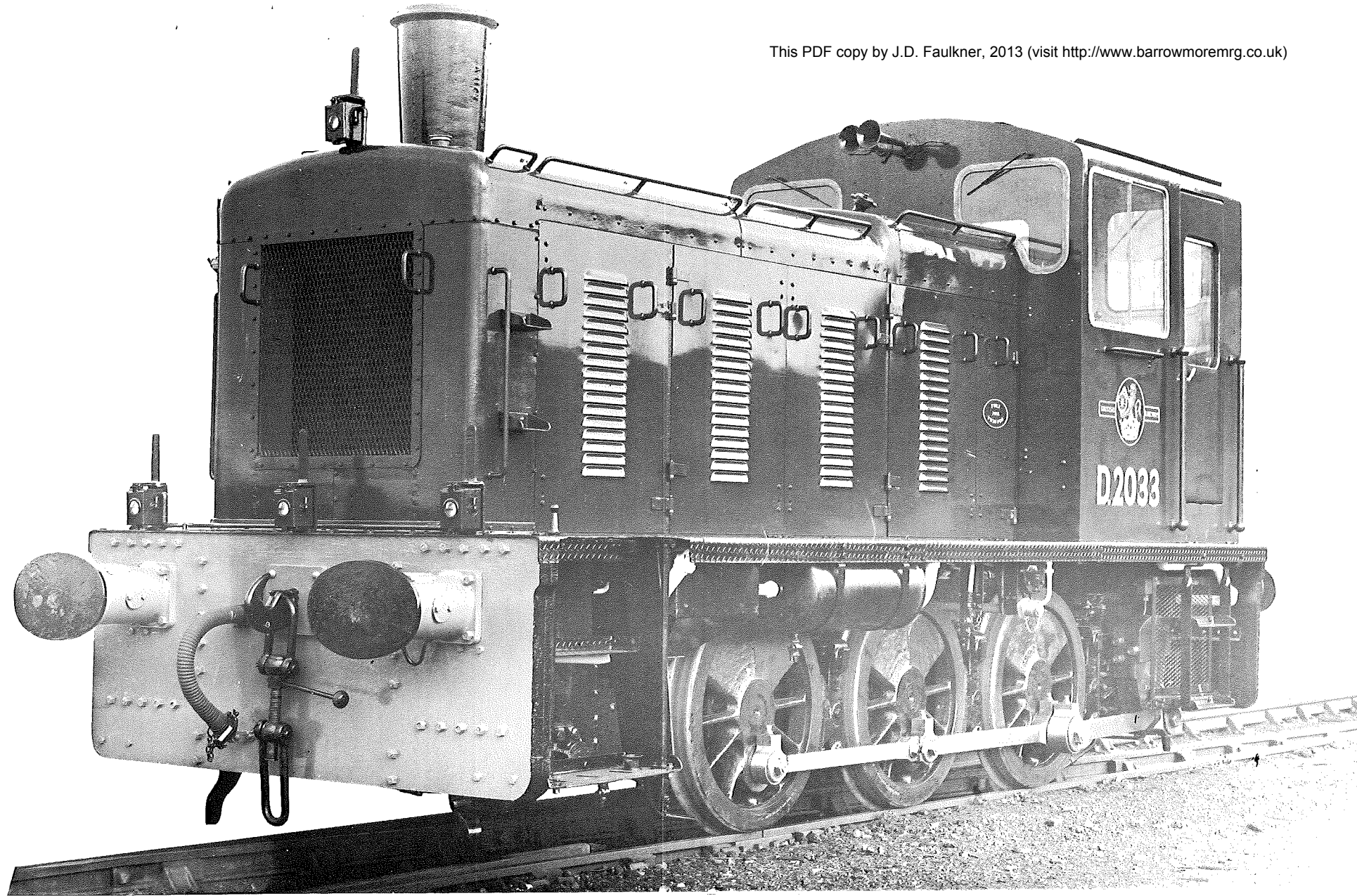


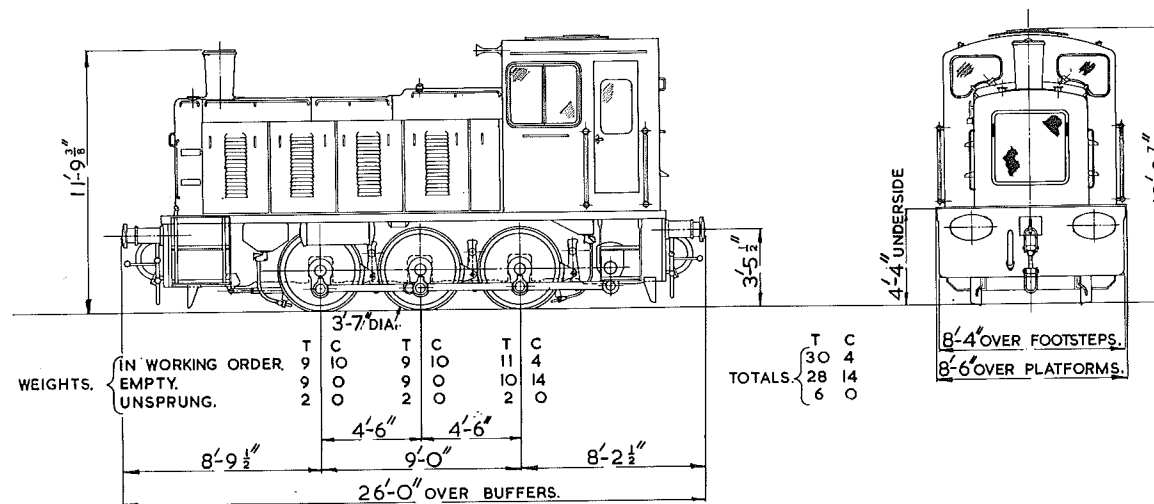




ENGINE	{	MAKE & TYPE.	GARDNER 6L3	BRAKING	{	TYPE {	FOR LOCO.	AIR.
		No. OF CYLS. & CYCLE.	6 CYLS. 4 STROKE.			FOR TRAIN.	—	
TRANSMISSION.	{	MAX. CONT. RATED OUTPUT.	153 H.P. AT 1200 R.P.M.	SPEED	{	BRAKE FORCE {	% OF LOCO. WEIGHT.	62 %
		ENGINE TO GEARBOX.	VULCAN SINCLAIR FLUID COUPLING			IN WORKING ORDER		
PERFORMANCE	{	GEARBOX.	WILSON FOUR SPEED S.E.4	CURVE	{	MAX. PERMITTED SERVICE SPEED	14.25 M.P.H.	
		FINAL DRIVE.	WISEMAN UNIT 15 R.L.G.B.			MIN. RAD. CURVE {	WITHOUT GAUGE WIDENING:	1.06 CHAINS.
		MAX. TRACTIVE EFFORT.	12750 LB. AT 22.8% ADHESION	TANK CAPACITY.		AT DEAD SLOW SPEED:	1 CHAIN	
		CONT. TRACTIVE EFFORT.	12750 LB. AT 2.63 M.P.H.	FUEL			325 GALLS.	

**150 H.P. ANDREW BARCLAY O-4-O DIESEL MECHANICAL SHUNTING LOCOMOTIVE CLASS O1**



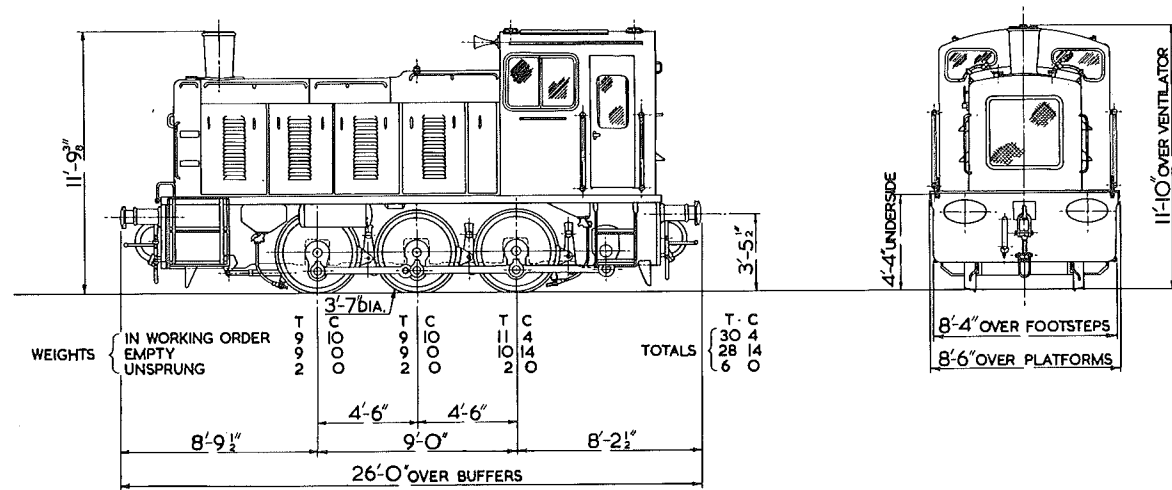


ENGINE.	{	MAKE & TYPE.	GARDNER 8 L.3.	BRAKING.	{	TYPE.	{ FOR LOCO.	AIR.
		No. OF CYLS. & CYCLE	8 CYLS. 4 STROKE.			{ FOR TRAIN.	VACUUM.	
TRANSMISSION.	{	MAX. CONT. RATED OUTPUT.	204 H.P. AT 1200 R.P.M.	SPEED.	{	BRAKE FORCE.	{ % OF LOCO. WEIGHT	70 %.
		ENGINE TO GEARBOX.	FLUIDRIVE TYPE 23 HYD. COUPLING.			{ 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.11.	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**

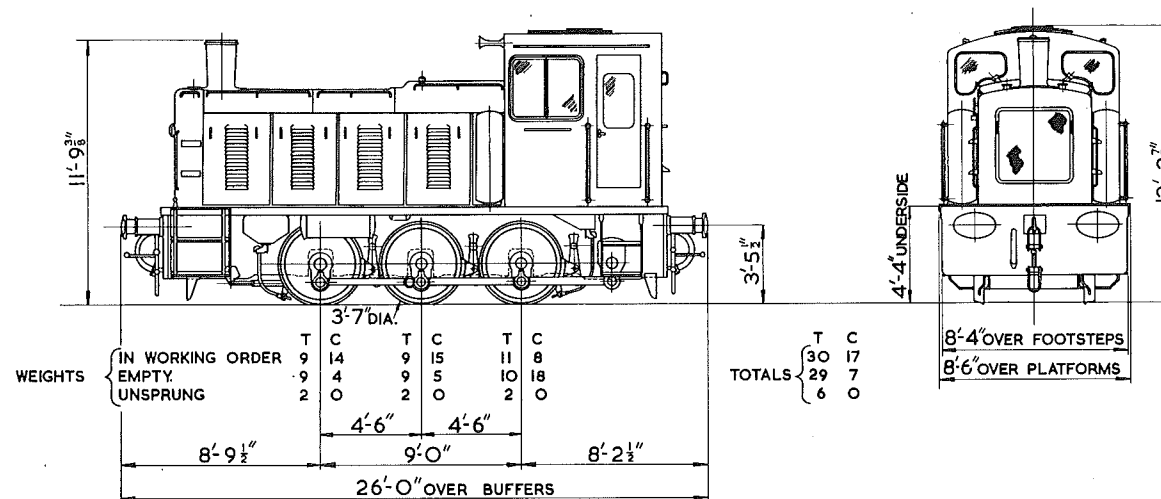
DM/200/2

JUNE 1969



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. IN WORKING ORDER.	70%.
TRANSMISSION.	ENGINE TO GEARBOX.	FLUIDRIVE TYPE 23 HYD. COUPLING.	SPEED.			MAX. PERMITTED SERVICE SPEED.
PERFORMANCE.	GEARBOX.	WILSON - DREWRY C.A.5.R.7.		CURVE.	MIN. RAD. CURVE.	WITHOUT GAUGE WIDENING:
	FINAL DRIVE.	S.C.G. Co. TYPE R. F. II.	AT DEAD SLOW SPEED:			
	MAX. TRACTIVE EFFORT.	15300 LB. AT 22.6% ADHESION.	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

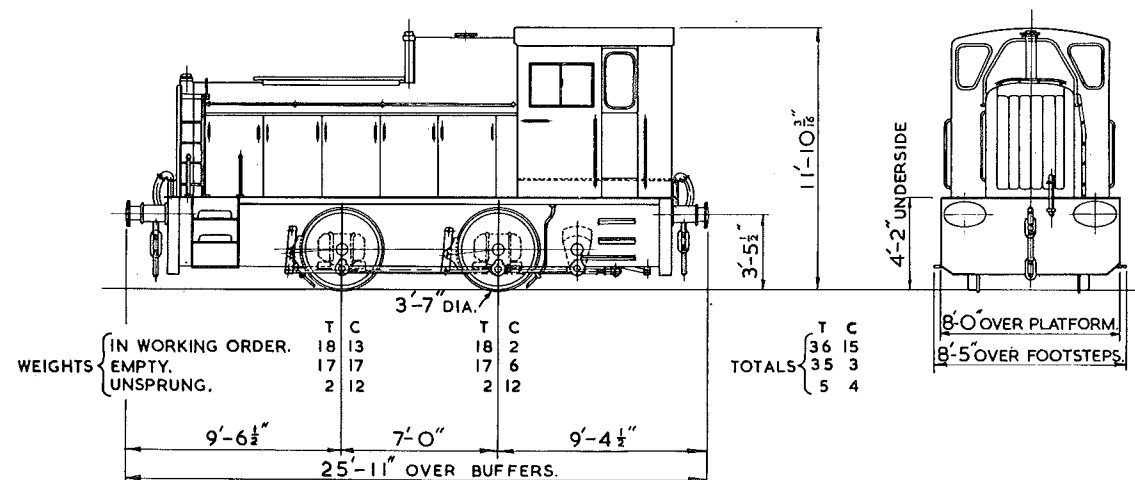


ENGINE	MAKE & TYPE	GARDNER 8 L.3.	BRAKING	TYPE	{ FOR LOCO FOR TRAIN	STRAIGHT AIR & AUTO AIR
	No. OF CYLS. & CYCLE	8 CYLS. 4 STROKE		BRAKE FORCE	{ % OF LOCO. WEIGHT IN WORKING ORDER	AUTO AIR & AIR CONT. VAC.
	MAX. CONT. RATED OUTPUT	204 H.P. AT 1200 R.P.M.				68.5%
TRANSMISSION	ENGINE TO GEARBOX	FLUIDRIVE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

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

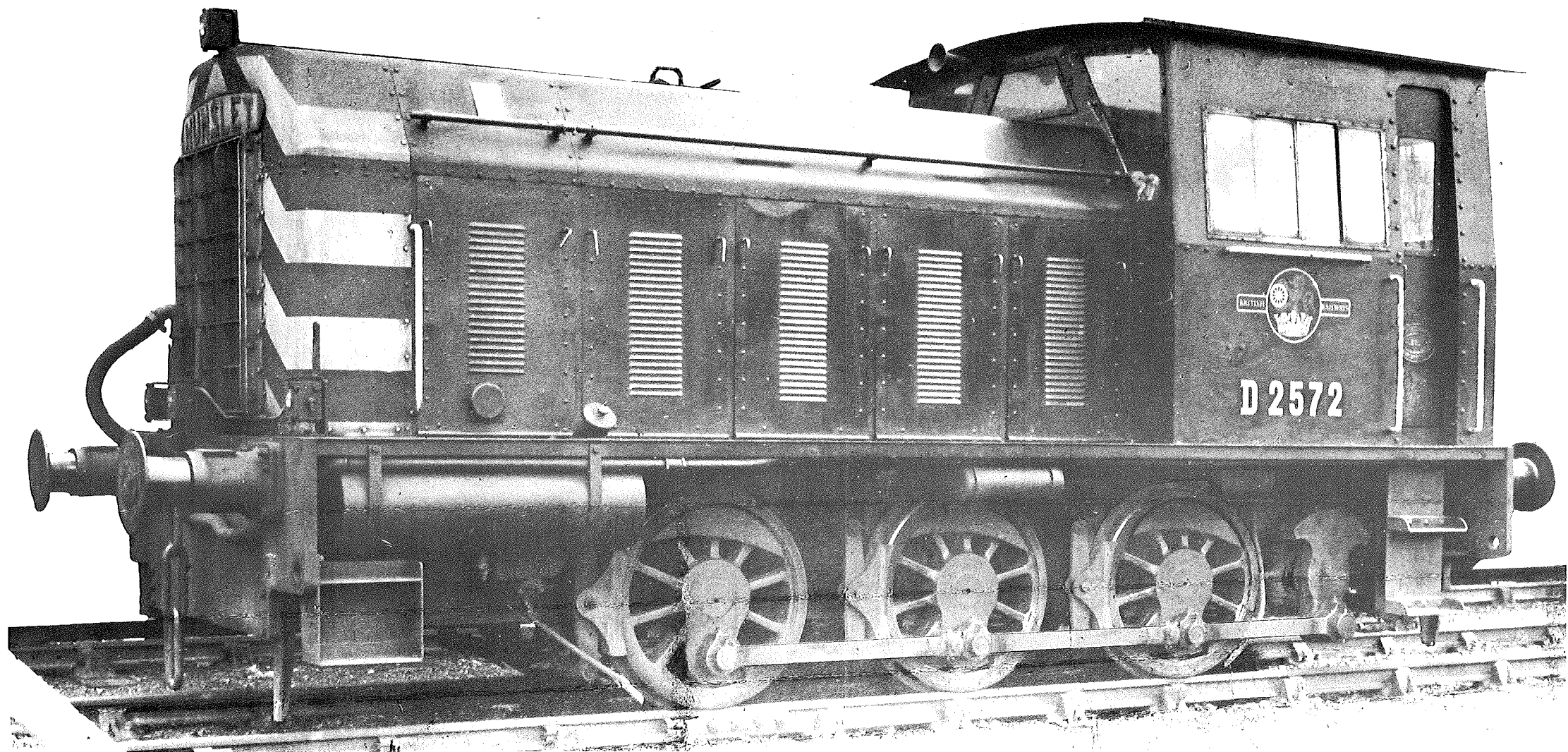


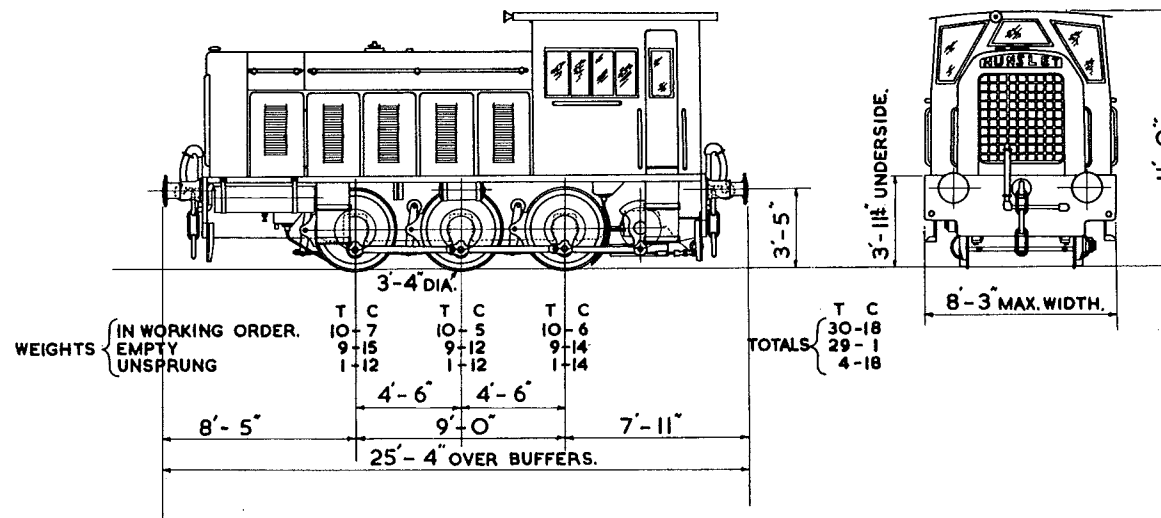




ENGINE.	{ MAKE & TYPE. No. OF CYLS. & CYCLE. MAX. CONT. RATED OUTPUT.	GARDNER 8L3. 8 CYLS. 4 STROKE. 204 H.P. AT 1200 R.P.M.	BRAKING.	{ TYPE { FOR LOCO. { FOR TRAIN.	AIR. VACUUM.
TRANSMISSION.	{ ENGINE TO GEARBOX. GEARBOX. FINAL DRIVE.	VULCAN SINCLAIR RIGID TYPE SIZE 23 H.T.O. CPLG. WILSON CA5 TYPE 5 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**





ENGINE. { MAKE & TYPE.  
 No. OF CYLS. & CYCLE.  
 MAX. CONT. RATED OUTPUT.  
 TRANSMISSION. { ENGINE TO GEARBOX.  
 GEARBOX.  
 FINAL DRIVE.  
 PERFORMANCE. { MAX. TRACTIVE EFFORT.  
 CONT. TRACTIVE EFFORT.

GARDNER 8.L.3.  
 8 CYLS. 4 STROKE.  
 204 H.P. AT 1200 R.P.M.  
 HUNSLET PATENT FRICTION CLUTCH.  
 HUNSLET FOUR SPEED.  
 JACKSHAFT & COUPLING RODS.  
 14,500 LB. AT 21.6% ADHESION.  
 14,500 LB. AT 4.48 M.P. H.

BRAKING.

TYPE. { FOR LOCO.  
 FOR TRAIN.  
 BRAKE FORCE. { % OF LOCO. WEIGHT  
 IN WORKING ORDER.

AIR.  
 VACUUM.

SPEED.

MAX. PERMITTED SERVICE SPEED.

17.8 M.P. H.

CURVE.

MIN. RAD. CURVE { WITHOUT GAUGE WIDENING:  
 AT DEAD SLOW SPEED:

1.82 CHAINS.

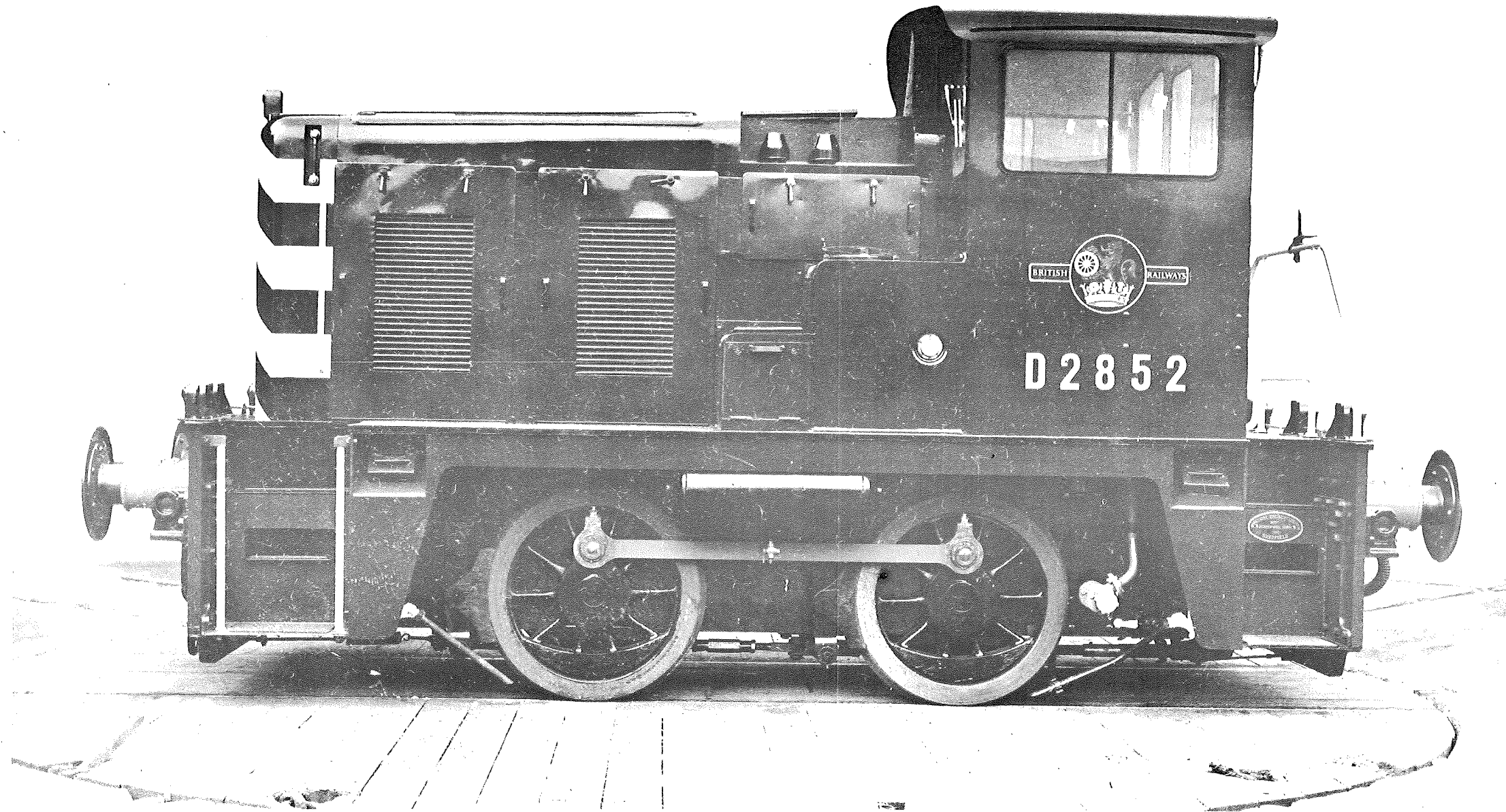
1.52 CHAINS.

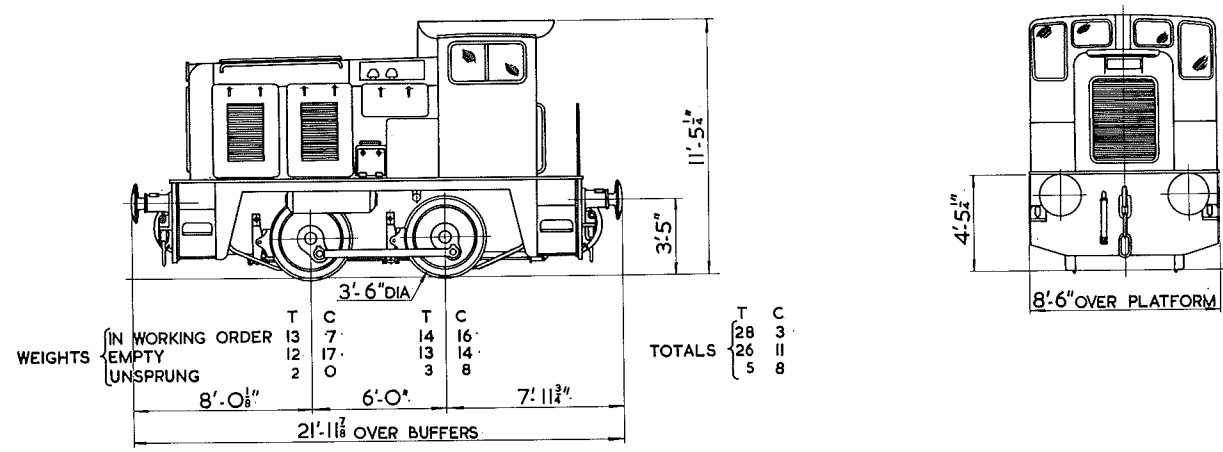
TANK CAPACITY.

FUEL.

300 GALLS.

200 H.P HUNSLET O-6-O DIESEL MECHANICAL SHUNTING LOCOMOTIVE.  
 CLASS O5





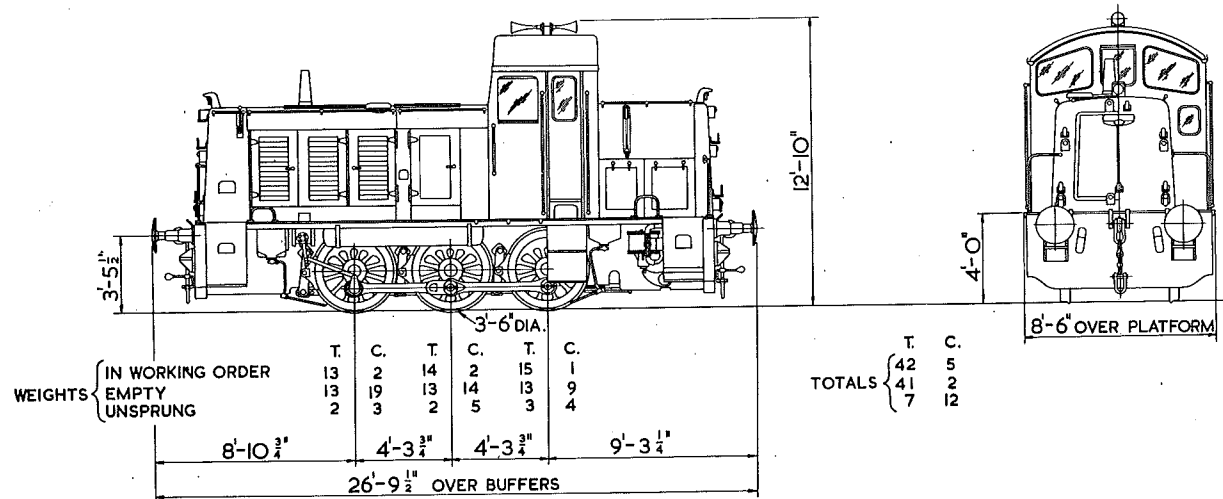
ENGINE:	{ MAKE & TYPE. No. OF CYLS. & CYCLE. MAX. CONT. RATED OUTPUT.	ROLLS ROYCE C.6. N.F.L. SERIES 176. 6 CYLS. 4 STROKE. 170 H.P. AT 1800 R.P.M.	BRAKING:	{ TYPE. { FOR LOCO. FOR TRAIN. BRAKE FORCE. { % OF LOCO. WEIGHT IN WORKING ORDER.	AIR. VACUUM. 75%.
TRANSMISSION:	{ MAKE & TYPE. FINAL DRIVE.	"ROLLS ROYCE" TORQUE CONVERTER. "YORKSHIRE" DOUBLE REDUCTION REVERSING GEARBOX.	SPEED.	MAX. PERMITTED SERVICE SPEED.	19.5 M.P.H.
PERFORMANCE:	{ MAX. TRACTIVE EFFORT. CONT. TRACTIVE EFFORT. RAIL H.P.	15,000 LB. AT 23.8% ADHESION. 13,700 LB. AT 1.4 MPH 100 H.P. AVAILABLE BETWEEN 4 & 15 M.P.H.	CURVE.	MIN. RAD. CURVE. { WITHOUT GAUGE WIDENING. AT DEAD SLOW SPEED.	60 FEET.
			TANK CAPACITY.	FUEL;	300 GALLS.

170H.P. YORKSHIRE ENGINE O-4-O DIESEL HYDRAULIC SHUNTING LOCOMOTIVE.  
CLASS Q2







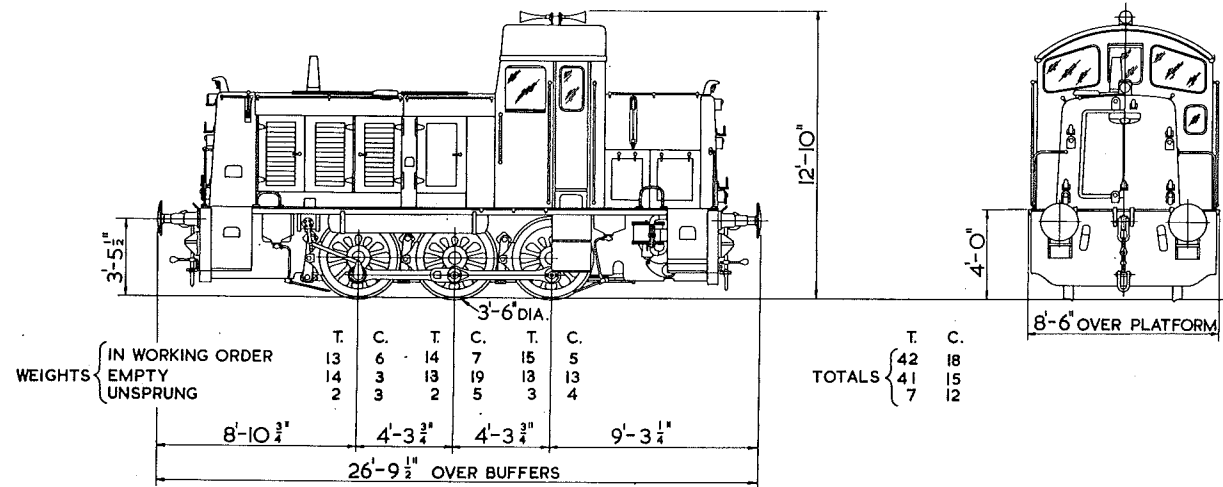


ENGINE	{	MAKE & TYPE	PAXMAN 6 RPHL. MK.III
		No. OF CYLS. & CYCLE	6 CYLS., 4 STROKE
		MAX. CONT. RATED OUTPUT	275 H.P. AT 1360 R.P.M.
MAIN GENERATOR	{	MAKE & TYPE	A.E.I. RTB 6652
		MAKE & TYPE	A.E.I. RTA 6652
TRACTION MOTORS.	{	No.	ONE
		TYPE OF SUSPENSION	AXLE
		TYPE OF GEAR DRIVE	DOUBLE REDUCTION
		MAX. TRACTIVE EFFORT	28,240 LBS. AT 30% 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.

BRAKING	{	TYPE { FOR LOCO.	STRAIGHT AIR
		{ FOR TRAIN	VACUUM
		BRAKE FORCE { % OF LOCO. WEIGHT	84
		{ IN WORKING ORDER	
SPEED		MAX. PERMITTED SERVICE SPEED	20 M.P.H.
CURVE		MIN. RAD. CURVE WITHOUT GAUGE WIDENING	2 CHAINS
TANK CAPACITY		ENGINE FUEL	300 GALLS.

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

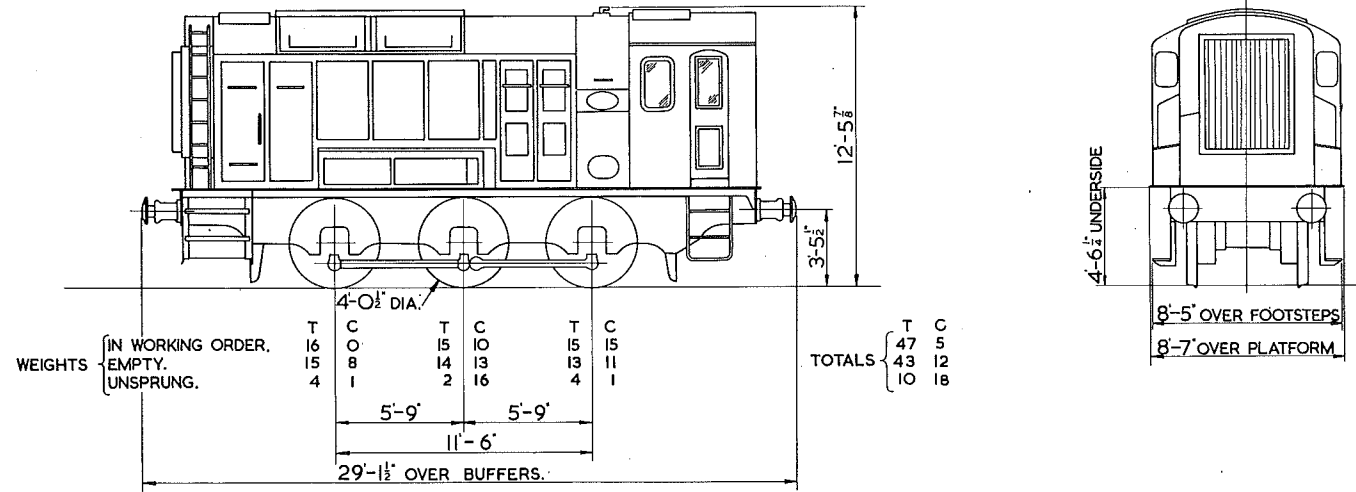
**CLASS 7**



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 & AUTO. AIR AUTO AIR & AIR <del>CONTROL</del>
MAIN GENERATOR	{ MAKE & TYPE	A.E.I. RTB 6652	SPEED.	MAX. PERMITTED SERVICE SPEED.	82.9%
TRACTION MOTORS	{ MAKE & TYPE No. TYPE OF SUSPENSION TYPE OF GEAR DRIVE MAX. TRACTIVE EFFORT	A.E.I. RTA 6652 ONE AXLE DOUBLE REDUCTION 28,240 LBS. AT 29.4% ADHESION.	MINIMUM RADIUS CURVES.	{ HORIZONTAL WITHOUT GAUGE WIDENING. HORIZONTAL WITH 3/4 INS. GAUGE WIDENING. VERTICAL CONVEX. VERTICAL CONCAVE.	20 M.P.H. 2 CHAINS. 1 CHAIN. 113 CHAINS. 1 CHAIN.
PERFORMANCE	{ CONT. TRACTIVE EFFORT RAIL H.P. AT CONT. RATING FULL ENGINE OUTPUT	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.

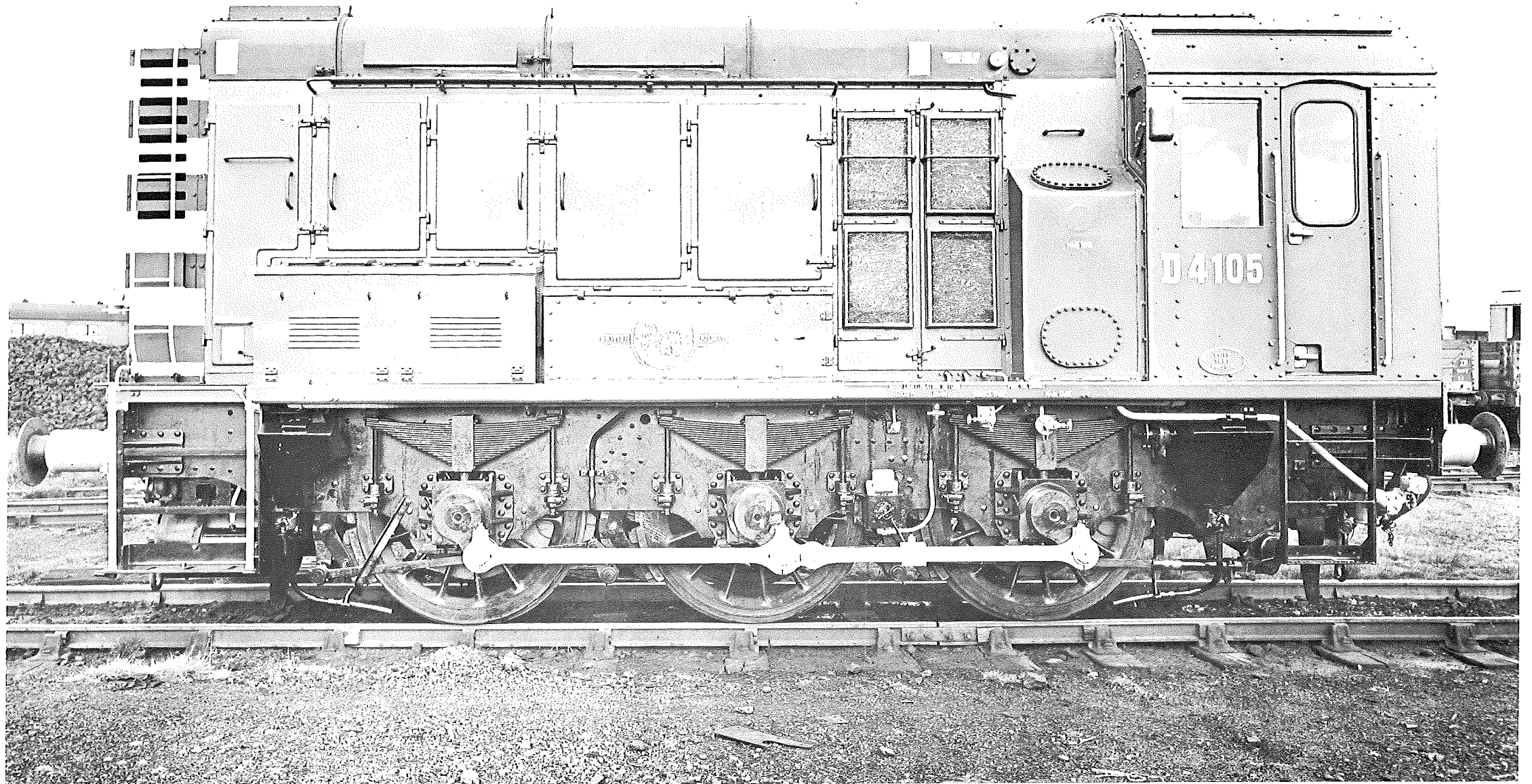
**275 H.P. RUSTON & HORNSBY O-6-O DIESEL ELECTRIC SHUNTING LOCOMOTIVE  
CLASS O7.**

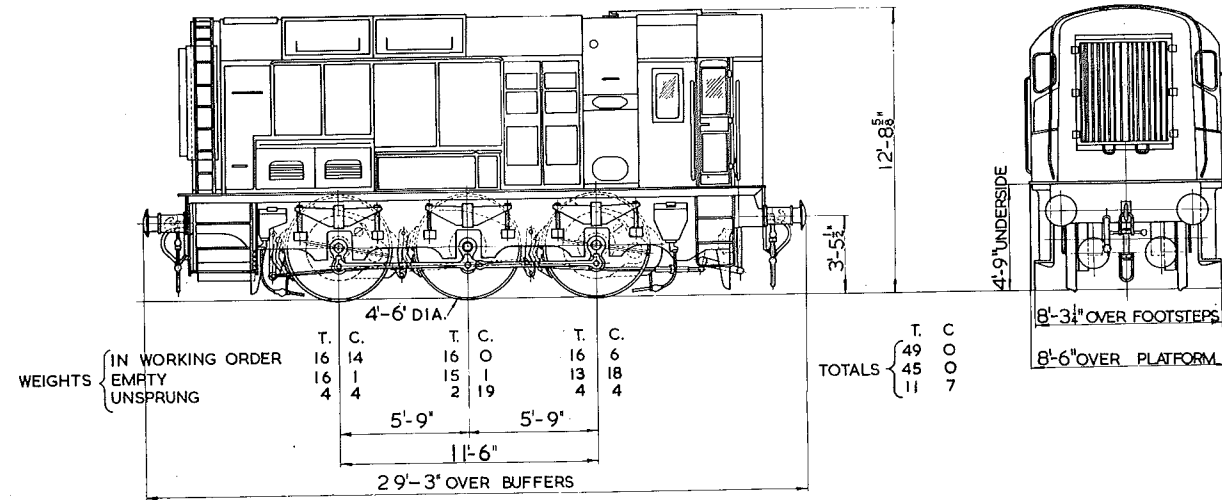




ENGINE.	{ MAKE & TYPE, No. OF CYLS. & CYCLE. MAX. CONT. RATED OUTPUT.	ENGLISH ELECTRIC 6 KT. 6 CYL. 4 STROKE. 350 H.P. AT 680 R.P.M.	BRAKING.	{ TYPE { FOR LOCO FOR TRAIN. BRAKE FORCE { % OF LOCO WEIGHT IN WORKING ORDER.	AIR. 68.9 %.
MAIN GENERATOR.	{ MAKE & TYPE.	ENGLISH ELECTRIC TYPE E.E. 80I.	SPEED.	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 TYPE EE 506. TWO. NOSE. DOUBLE REDUCTION. 35,000 L.B. AT 33.2% ADHESION. AT 1050 AMPS. MAIN GENERATOR.	CURVE.	MIN. RAD. CURVE { WITHOUT GAUGE WIDENING. AT DEAD SLOW SPEED.	3 CHAINS.
PERFORMANCE.	{ CONT. TRACTIVE EFFORT. RAIL H.P. AT CONT. RATING. FULL ENGINE OUTPUT.	10800 L.B. AT 8.5 M.P.H. AT 441 AMPS. MAIN GENERATOR. 245 H.P. AVAILABLE BETWEEN 0 & 8.5 M.P.H.	TANK CAPACITY.	FUEL	660 GALLS.

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



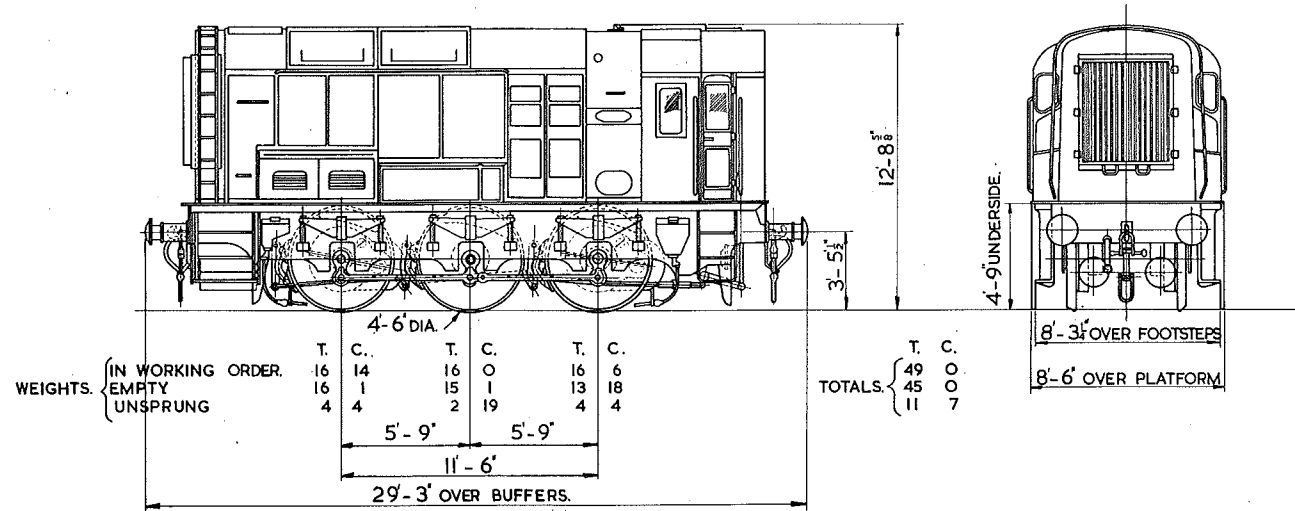


ENGINE.	{ MAKE & TYPE.	ENGLISH ELECTRIC 6.K.T.	BRAKING.	{ TYPE { FOR LOCO.	AIR.
	{ No. OF CYLS. & CYCLE.	6 CYLS. 4 STROKE.		{ FOR TRAIN.	VACUUM.
MAIN GENERATOR.	{ MAX. CONT. RATED OUTPUT.	400 H.P. AT 680 R.P.M.		{ BRAKE FORCE { % OF LOCO. WEIGHT	66.2%.
	{ MAKE & TYPE.	ENGLISH ELECTRIC 80I.		{ IN WORKING ORDER.	
TRACTION MOTORS	{ MAKE & TYPE.	ENGLISH ELECTRIC 506.	SPEED.	{ MAX. PERMITTED SERVICE SPEED.	20 M.P.H.
	{ No.	TWO.	CURVE.	{ MIN. RAD. CURVE { WITHOUT GAUGE WIDENING.	3 CHAINS.
	{ TYPE OF SUSPENSION.	NOSE.		{ AT DEAD SLOW SPEED.	
	{ TYPE OF GEAR DRIVE.	DOUBLE REDUCTION.	TANK CAPACITY. FUEL.		668 GALLS.
	{ MAX. TRACTIVE EFFORT.	35000 LB. AT 31.9% 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.

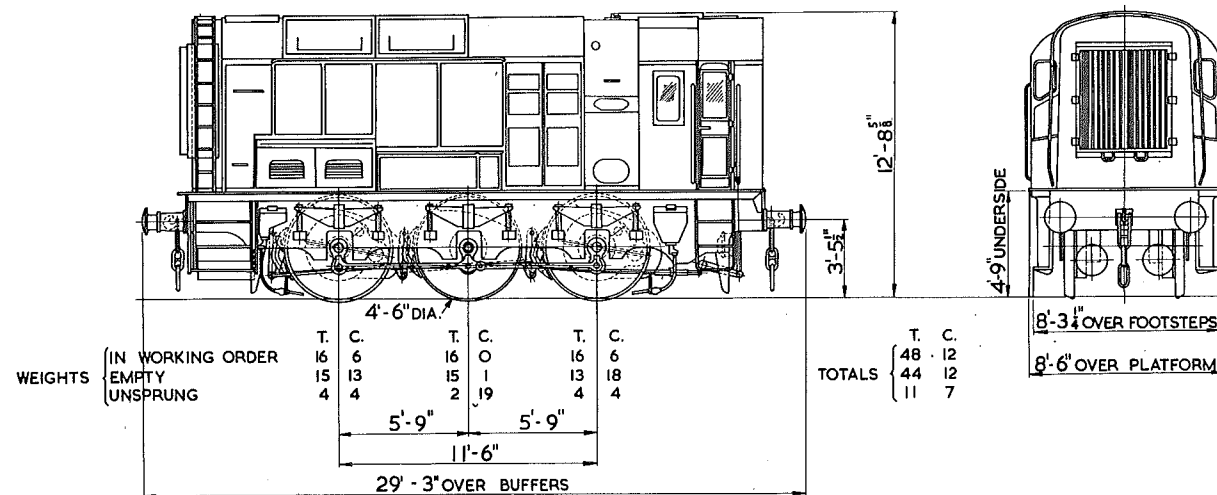
CLASS O8





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.	BRAKING.	{ TYPE. { FOR LOCO.	AIR
MAIN GENERATOR.	{ MAKE & TYPE.	ENGLISH ELECTRIC 80I.		{ FOR TRAIN.	VACUUM.
	{ MAKE & TYPE.	ENGLISH ELECTRIC 506.		{ BRAKE FORCE. { % OF LOCO. WEIGHT	66.2 %.
	{ No.	TWO.	SPEED.	{ IN WORKING ORDER.	
TRACTION MOTORS.	{ TYPE OF SUSPENSION.	NOSE.		{ MAX. PERMITTED SERVICE SPEED.	27.5 M.P.H.
	{ TYPE OF GEAR DRIVE.	DOUBLE REDUCTION.	CURVE.	{ MIN RAD CURVE. { WITHOUT GAUGE WIDENING.	3 CHAINS.
	{ MAX. TRACTIVE EFFORT	25000 LB. AT 22.8% ADHESION		{ AT DEAD SLOW SPEED.	
	{ CONT. TRACTIVE EFFORT.	AT 1000 AMPS. MAIN GENERATOR.	TANK CAPACITY.	{ FUEL.	668 GALLS.
PERFORMANCE.	{ RAIL H.P. AT CONT. RATING.	8700 LB. AT 11.6 M.P.H.			
	{ FULL ENGINE OUTPUT.	AT 465 AMPS. MAIN GENERATOR.			
		269 H.P.			
		AVAILABLE BETWEEN 0 & 9.4 M.P.H.			

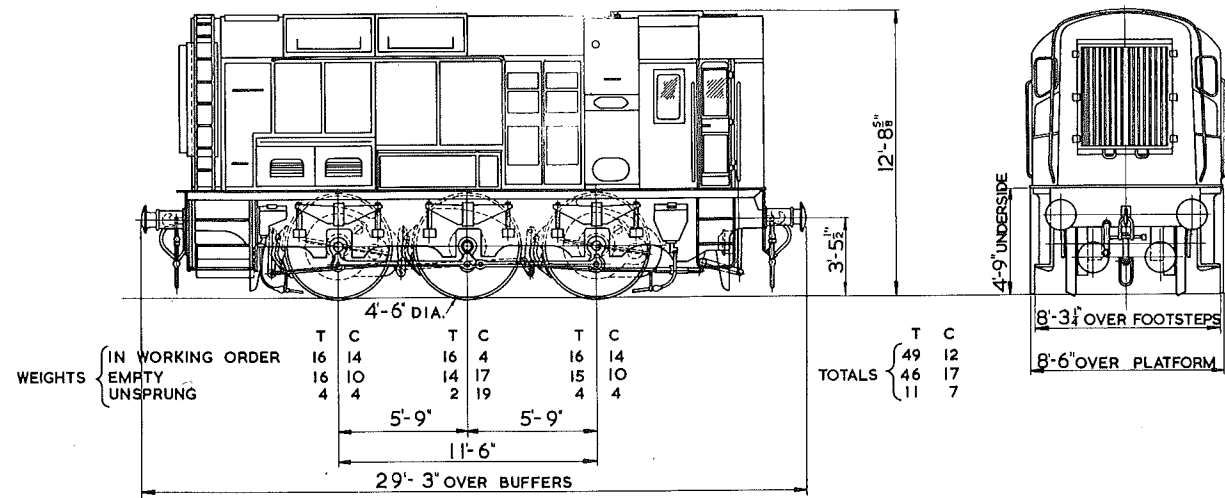
**350 H.P. B.R. O-6-O DIESEL ELECTRIC SHUNTING LOCOMOTIVE.**  
**CLASS O9**



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.	66.6%.
MAIN GENERATOR.	MAKE & TYPE.	ENGLISH ELECTRIC 80I.	SPEED.	MAX. PERMITTED SERVICE SPEED.		20 M.P.H.
TRACTION MOTORS.	MAKE & TYPE.	ENGLISH ELECTRIC 506.	CURVE.	MIN. RAD. CURVE	{ WITHOUT GAUGE WIDENING. AT DEAD SLOW SPEED.	3 CHAINS.
	No.	TWO.	TANK CAPACITY. FUEL.			668 GALLS.
	TYPE OF SUSPENSION.	NOSE.				
	TYPE OF GEAR DRIVE.	DOUBLE REDUCTION.				
	MAX. TRACTIVE EFFORT.	35000 LB. AT 32.1% ADHESION				
PERFORMANCE.	CONT. TRACTIVE EFFORT.	AT 1020 AMPS. MAIN GENERATOR.				
	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.				

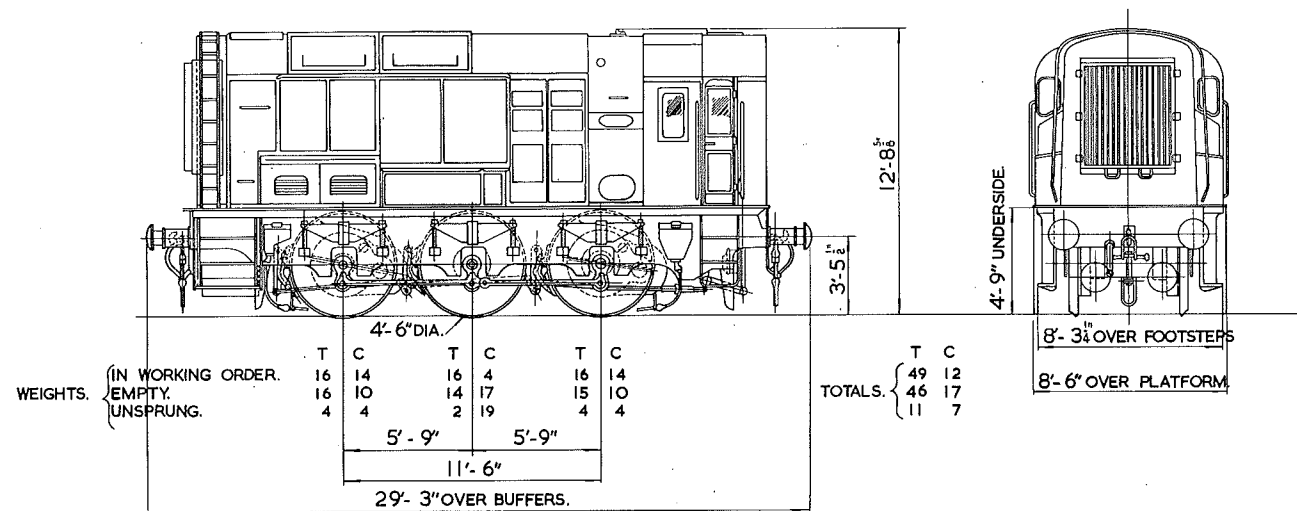
**350H.P. B.R. O-6-O DIESEL ELECTRIC SHUNTING LOCOMOTIVE.**

**CLASS O8**



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	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
	AT 1020 AMPS. MAIN GENERATOR	11,100 LB. AT 8.8 M.P.H.				
	AT 441 AMPS. MAIN GENERATOR	260 H.P.				
	RAIL H.P. AT CONT. RATING	AVAILABLE BETWEEN 0 & 7.9 M.P.H.				
	FULL ENGINE OUTPUT					

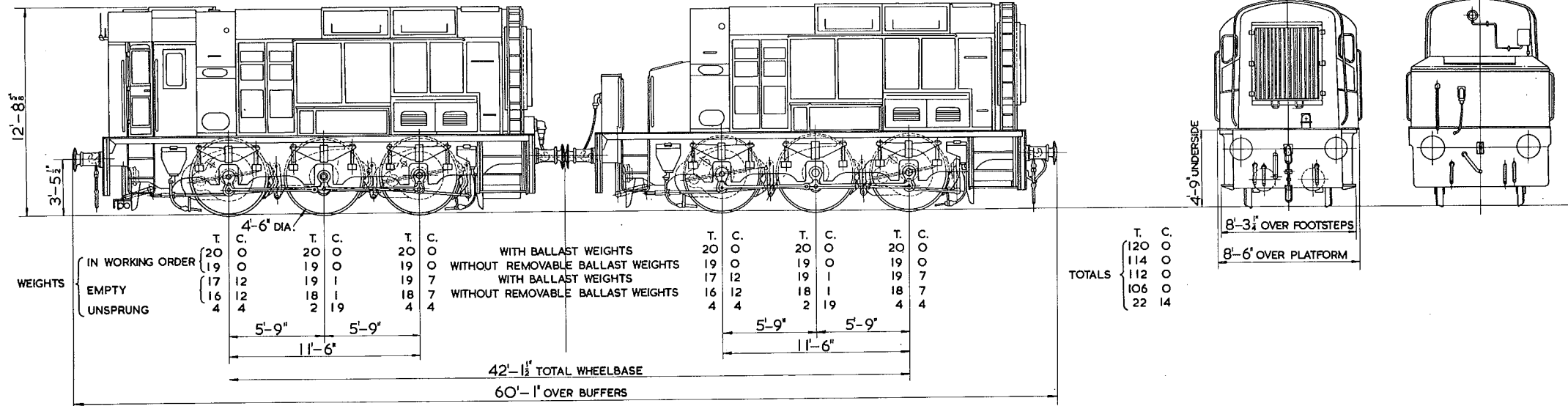
350 H.P. B.R. O-6-O DIESEL ELECTRIC SHUNTING LOCOMOTIVE  
CLASS O8



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.	27.5 M.P.H.
	MAKE & TYPE.	ENGLISH ELECTRIC 801.	MINIMUM RADIUS.	{ HORIZONTAL WITHOUT GAUGE WIDENING. HORIZONTAL WITH 3/4 INS. GAUGE WIDENING.	3 CHAINS. 1.8 CHAINS.
TRACTION MOTORS.	MAKE & TYPE.	ENGLISH ELECTRIC 506.	CURVES.	VERTICAL CONVEX. VERTICAL CONCAVE.	3 CHAINS. 5.5 CHAINS.
	No.	TWO.	TANK CAPACITY.	FUEL.	668 GALLONS.
	TYPE OF SUSPENSION.	NOSE.			
	TYPE OF GEAR DRIVE.	DOUBLE REDUCTION.			
PERFORMANCE.	MAX. TRACTIVE EFFORT.	25,000 LB. AT 22.5% ADHESION. AT 1000 AMPS MAIN GENERATOR.			
	CONT. TRACTIVE EFFORT.	8,700 LB. AT 11.6 M.P.H. AT 465 AMPS. MAIN GENERATOR.			
	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. 0 - 6 - 0 DIESEL ELECTRIC SHUNTING LOCOMOTIVE.  
CLASS 09**





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.	AIR. VACUUM.
MAIN GENERATOR.	{ MAKE & TYPE.	TWO-ENGLISH ELECTRIC 801.	SPEED.	{ BRAKE FORCE. { % OF LOCO. WEIGHT. IN WORKING ORDER.	54%
TRACTION MOTORS	{ MAKE & TYPE. No. TYPE OF SUSPENSION. TYPE OF GEAR DRIVE.	ENGLISH ELECTRIC 506. FOUR. NOSE. DOUBLE REDUCTION.	MINIMUM RADIUS CURVES.	{ MAX. PERMITTED SERVICE SPEED. HORIZONTAL WITHOUT GAUGE WIDENING. HORIZONTAL WITH 3/4 IN. GAUGE WIDENING. VERTICAL CONVEX. VERTICAL CONCAVE.	20 M.P.H. 3 CHAINS. 1.79 CHAINS. 2.5 CHAINS. 9 CHAINS.
PERFORMANCE (WITH MOTORS IN SERIES)	{ MAX. TRACTIVE EFFORT.  CONT. TRACTIVE EFFORT.  RAIL H.P. AT CONT. RATING. FULL ENGINE OUTPUT.	70,000 LB. AT 26% ADHESION. 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**