

BOOK No. D.S.O. 217

BRITISH RAILWAYS  
SHUNTING  
DIESEL LOCOMOTIVE  
DIAGRAMS.

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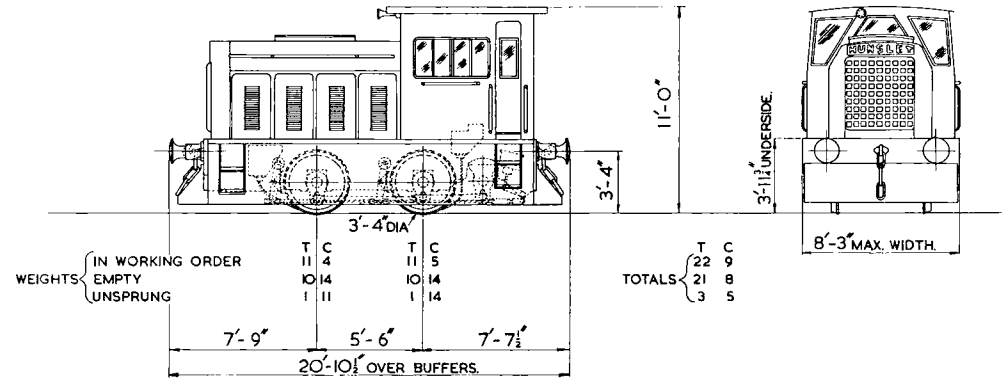


B. R. W. R  
LOCOMOTIVE  
DRAWING OFFICE

31 MAY 1962

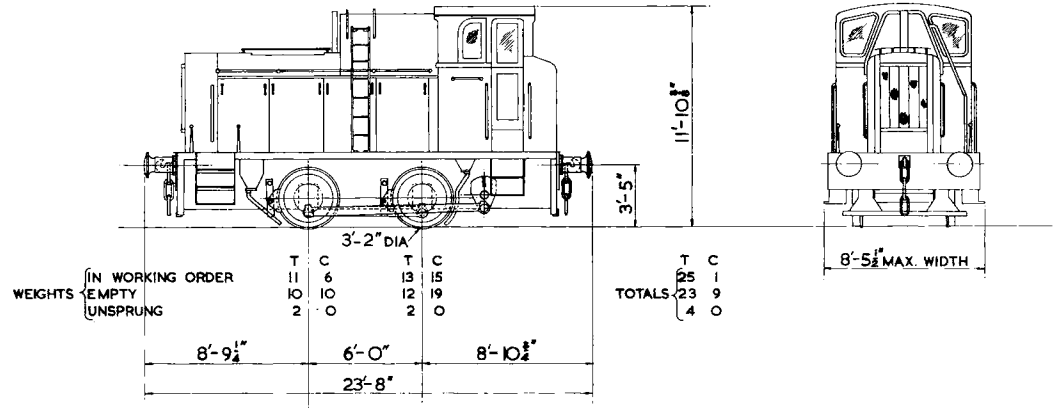
C.M. & E.E'S DEPT.  
SWINDON

Signature.....



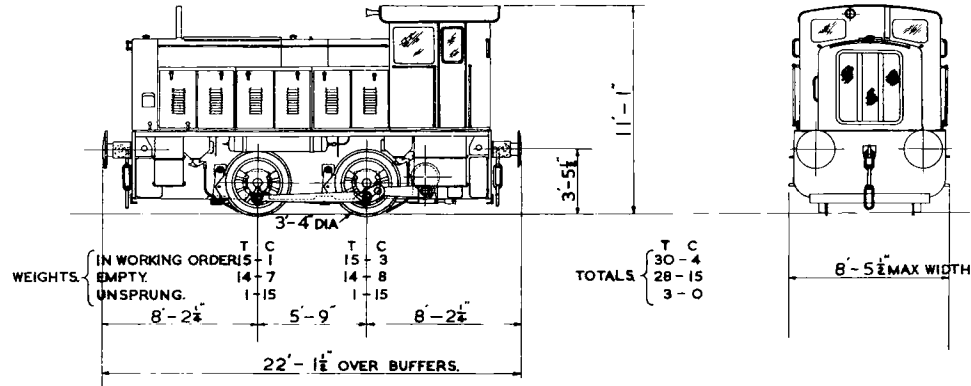
ENGINE.	{ MAKE & TYPE. No. OF CYLS. & CYCLE. MAX. CONT. RATED OUTPUT.	GARDNER 6.L.3. 6 CYLS. 4 STROKE. 153 H.P. AT 1200 R.P.M.	BRAKING.	{ TYPE { FOR LOCO. FOR TRAIN.	AIR. -
TRANSMISSION.	{ ENGINE TO GEARBOX. GEARBOX. FINAL DRIVE.	HUNSLET PATENT FRICTION CLUTCH. HUNSLET FOUR SPEED. JACKSHAFT & COUPLING RODS.	SPEED.	BRAKE FORCE { % OF LOCO. WEIGHT IN WORKING ORDER.	71.2%
PERFORMANCE.	{ MAX. TRACTIVE EFFORT. CONT. TRACTIVE EFFORT.	10800 LB. AT 21.4% ADHESION. 10800 LB. AT 4.51 M.P.H.	CURVE.	MAX. PERMITTED SERVICE SPEED.	18.25 M.P.H.
			TANK CAPACITY.	MIN. RAD. CURVE { WITHOUT GAUGE WIDENING: AT DEAD SLOW SPEED:	0.91 CHAINS. 0.74 CHAINS.
				FUEL	100 GALLS.

## 150 H.P. HUNSLET 0-4-0 DIESEL MECHANICAL SHUNTING LOCOMOTIVE.



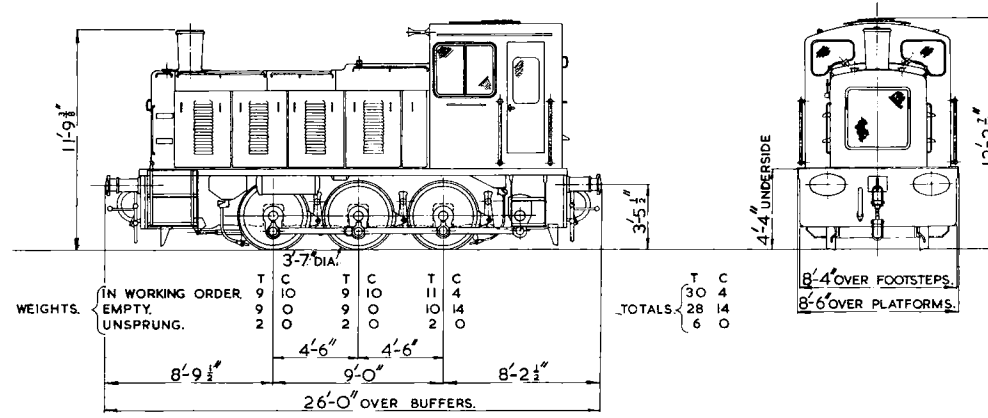
ENGINE	MAKE & TYPE.	GARDNER 6L3		BRAKING	TYPE	FOR LOCO.	AIR.
		No. OF CYLS. & CYCLE.	6 CYLS. 4 STROKE.			FOR TRAIN	—
TRANSMISSION.	MAX. CONT. RATED OUTPUT.	153 H.P. AT 1200 R.P.M.		SPEED	BRAKE FORCE	% OF LOCO. WEIGHT.	62 %
	ENGINE TO GEARBOX.	VULCAN SINCLAIR FLUID COUPLING				IN WORKING ORDER	
PERFORMANCE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

150 H.P. ANDREW BARCLAY 0-4-0 DIESEL MECHANICAL SHUNTING LOCOMOTIVE



ENGINE	<ul style="list-style-type: none"> <li>MAKE &amp; TYPE.</li> <li>No OF CYLS. &amp; CYCLE.</li> <li>MAX. CONT. RATED OUTPUT.</li> </ul>	<ul style="list-style-type: none"> <li>RUSTON &amp; HORNSBY 6VPHL.</li> <li>6 CYLS. 4 STROKE.</li> <li>165 H.P. AT 1250 R.P.M.</li> </ul>	BRAKING.	<ul style="list-style-type: none"> <li>TYPE { FOR LOCO.</li> <li>FOR TRAIN.</li> </ul>	AIR.	-
TRANSMISSION	<ul style="list-style-type: none"> <li>ENGINE TO GEARBOX.</li> <li>GEARBOX.</li> <li>FINAL DRIVE.</li> </ul>	<ul style="list-style-type: none"> <li>OIL OPERATED FRICTION CLUTCH.</li> <li>RUSTON FOUR SPEED.</li> <li>JACKSHAFT &amp; COUPLING RODS.</li> </ul>	SPEED.	<ul style="list-style-type: none"> <li>BRAKE FORCE { % OF LOCO. WEIGHT</li> <li>IN WORKING ORDER.</li> </ul>		68 %.
PERFORMANCE	<ul style="list-style-type: none"> <li>MAX. TRACTIVE EFFORT.</li> <li>CONT. TRACTIVE EFFORT.</li> </ul>	<ul style="list-style-type: none"> <li>14700 LB. AT 21.9 % ADHESION.</li> <li>13350 LB. AT 3.37 M.P.H.</li> </ul>	CURVE.	<ul style="list-style-type: none"> <li>MAX. PERMITTED SERVICE SPEED.</li> <li>MIN. RAD. CURVE { WITHOUT GAUGE WIDENING.</li> <li>AT DEAD SLOW SPEED.</li> </ul>		15 M.P.H. 1.2 CHAINS. 1 CHAIN.
			TANK CAPACITY.	FUEL.		225 GALLS.

**150 H.P. RUSTON HORNSBY LTD. 0-4-0 DIESEL MECHANICAL SHUNTING LOCOMOTIVE.**

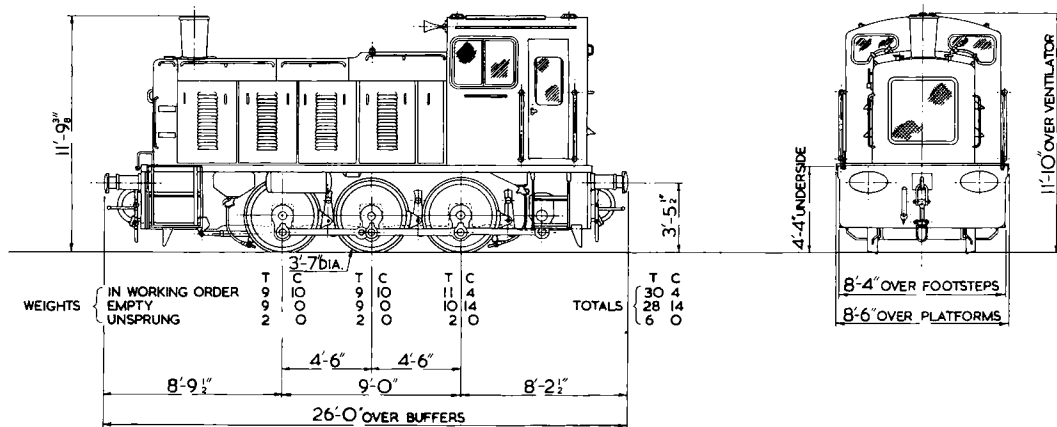


WEIGHTS.	IN WORKING ORDER. EMPTY. UNSPRUNG.	T	C	T	C	T	C	TOTALS.	T	C
		9	10	9	10	11	4		30	4
		2	0	2	0	2	0		28	14
		3'-7" DIA.		4'-6"		4'-6"		6		0
		8'-9 1/2"		9'-0"		8'-2 1/2"				
		26'-0" OVER BUFFERS.								

4'-4" UNDERSIDE  
12'-2 1/8"  
8'-4" OVER FOOTSTEPS.  
8'-6" OVER PLATFORMS.

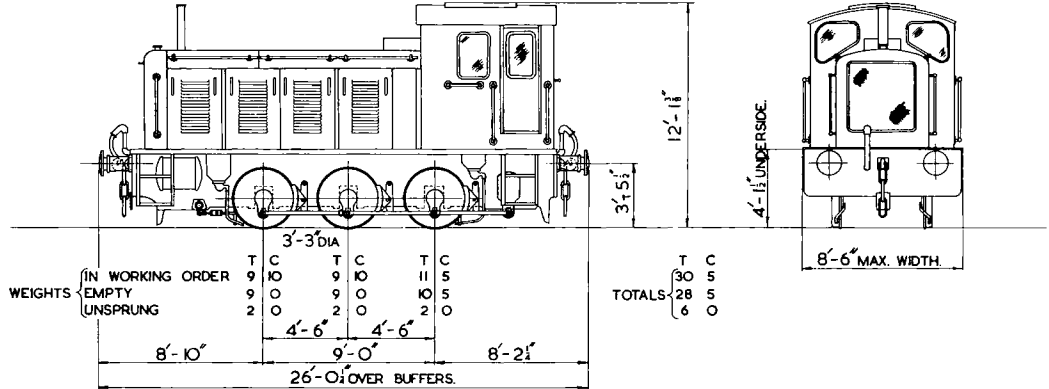
ENGINE.	MAKE & TYPE.	GARDNER 8 L.3.	BRAKING.	TYPE {	FOR LOCO.	AIF
	No. OF CYLS. & CYCLE	8 CYLS. 4 STROKE.		FOR TRAIN.	VACUUM.	
	MAX. CONT. RATED OUTPUT.	204 H.P. AT 1200 R.P.M.		BRAKE FORCE. {	% OF LOCO. WEIGHT	70 %.
ENGINE TO GEARBOX.	FLUIDRIVE TYPE 23 HYD. COUPLING.	IN WORKING ORDER.				
TRANSMISSION.	GEARBOX.	WILSON-DREWRY C.A.5. R.7.	SPEED.	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.		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.**



ENGINE.	MAKE & TYPE	GARDNER 8 L 3.	BRAKING.	TYPE.	FOR LOCO.	AIR.
		No. OF CYLS. & CYCLE.			8 CYLS. 4 STROKE.	FOR TRAIN.
TRANSMISSION.	MAX. CONT. RATED OUTPUT.	204 H.P. AT 1200 R.P.M.	SPEED.	BRAKE FORCE.	% OF LOCO. WEIGHT.	70%.
		ENGINE TO GEARBOX.				
PERFORMANCE.	MAX. TRACTIVE EFFORT.	15300 LB. AT 22.6% ADHESION.	CURVE.	MIN. RAD. CURVE.	WITHOUT GAUGE WIDENING:	2 CHAINS.
		CONT. TRACTIVE EFFORT.				
			TANK CAPACITY.	FUEL.		

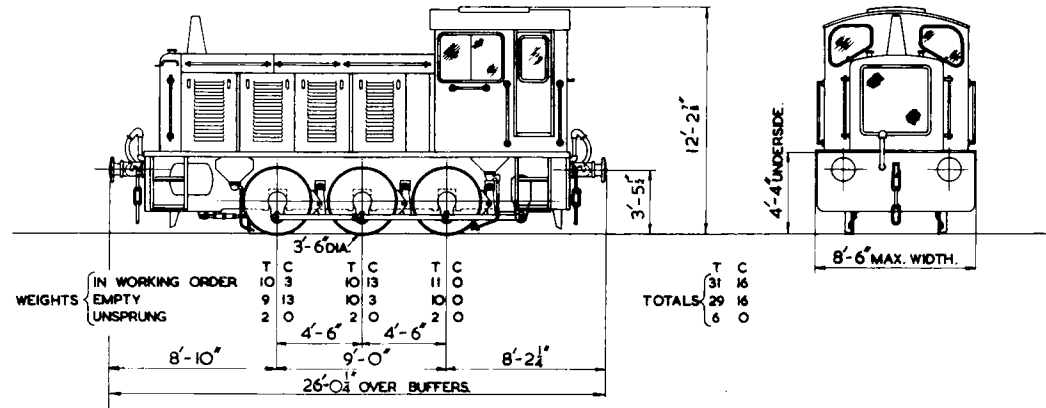
200 H.P. B.R. O-6-O DIESEL MECHANICAL SHUNTING LOCOMOTIVE.



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.	FLUIDRIVE TYPE 23 HYD. COUPLING. WILSON-DREWRY C.A.S. R.7. S.C.G. Co. TYPE R.F. 11.	SPEED.	{ BRAKE FORCE { % OF LOCO. WEIGHT IN WORKING ORDER.	65%.
PERFORMANCE.	{ MAX. TRACTIVE EFFORT. CONT. TRACTIVE EFFORT.	16850 LB. AT 24.9% ADHESION. 16850 LB. AT 3.4 M.P.H.	CURVE.	{ MAX. PERMITTED SERVICE SPEED. MIN. RAD. CURVE { WITHOUT GAUGE WIDENING: AT DEAD SLOW SPEED:	25.8 M.P.H. 2.5 CHAINS. 2 CHAINS.
			TANK CAPACITY.	FUEL	225 GALLS

200 H.P. DREWRY Q-6-O DIESEL MECHANICAL SHUNTING LOCOMOTIVE.





WEIGHTS

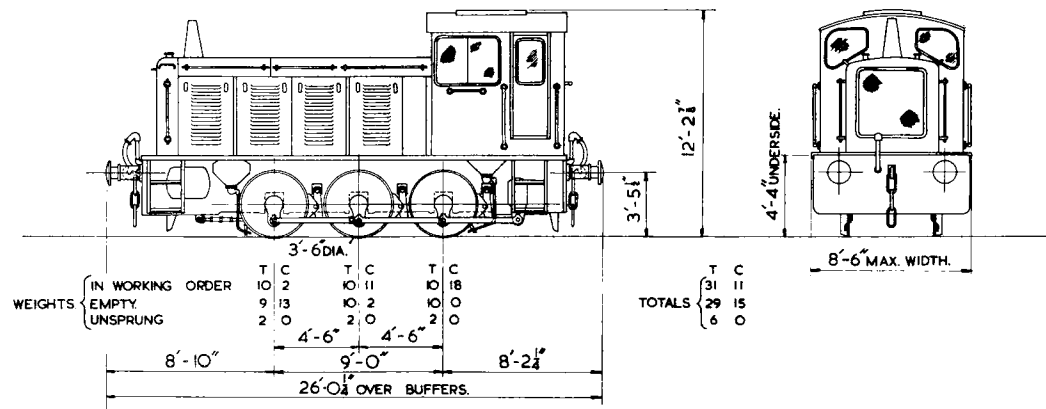
	IN WORKING ORDER		EMPTY		UNSPRUNG	
T	C	T	C	T	C	
10	3	10	13	10	0	0
9	13	10	3	10	0	0
2	0	2	0	2	0	0

TOTALS

T	C
29	16
6	0

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. BRAKE FORCE { % OF LOCO. WEIGHT IN WORKING ORDER.	AIR. VACUUM. 70%.
TRANSMISSION.	{ ENGINE TO GEARBOX GEARBOX. FINAL DRIVE.	FLUIDRIVE TYPE 23 HYD. COUPLING. WILSON-DREWRY C.A.5. R.7 S.C.G Co. TYPE R.F. II.	SPEED.	MAX. PERMITTED SERVICE SPEED.	27.8 M.P.H.
PERFORMANCE	{ MAX. TRACTIVE EFFORT. CONT. TRACTIVE EFFORT.	15650 LB. AT 21.95% ADHESION. 15650 LB. AT 3.66 M.P.H.	CURVE.	MIN. RAD. CURVE { WITHOUT GAUGE WIDENING: AT DEAD SLOW SPEED:	2.5 CHAINS. 2 CHAINS.
			TANK CAPACITY.	FUEL	280 GALLS.

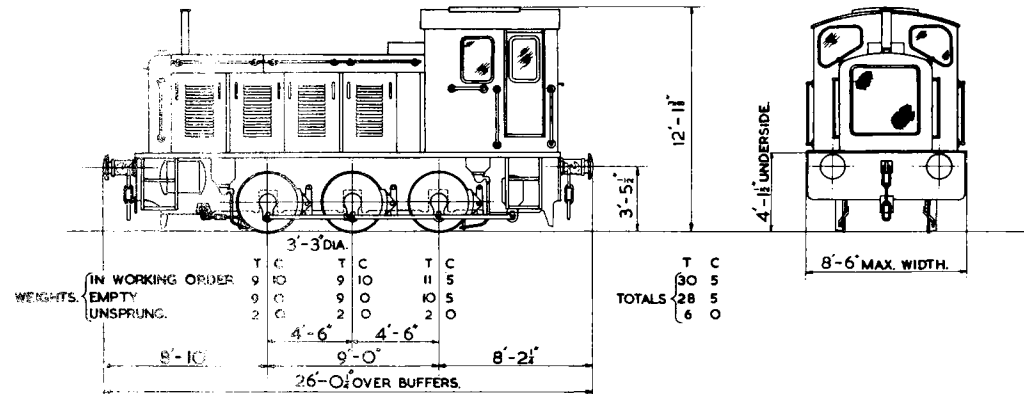
**200 H.P. DREWRY O-6-O DIESEL MECHANICAL SHUNTING LOCOMOTIVE.**



ENGINE	{ MAKE & TYPE.	GARDNER 8L3.
	{ No. OF CYLS. & CYCLE.	8 CYLS. 4 STROKE.
	{ MAX. CONT. RATED OUTPUT.	204 H.P. AT 1200 R.P.M.
TRANSMISSION	{ ENGINE TO GEARBOX.	FLUIDRIVE TYPE 23 HYD. COUPLING.
	{ GEARBOX.	WILSON DREWRY CA.5 R.7
	{ FINAL DRIVE.	S.C.G Co TYPE R.F. II.
PERFORMANCE.	{ MAX. TRACTIVE EFFORT.	15650 LB. AT 22.15% ADHESION.
	{ CONT. TRACTIVE EFFORT.	15650 LB. AT 3.66 M.P.H.

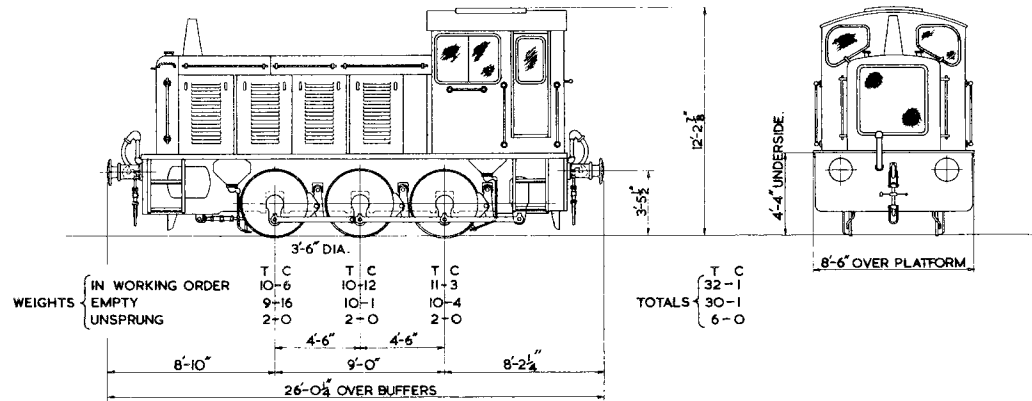
BRAKING.	{ TYPE	{ FOR LOCO.	AIR
		{ FOR TRAIN.	VACUUM.
	{ BRAKE FORCE	{ % OF LOCO. WEIGHT.	70.5%
		{ IN WORKING ORDER.	
SPEED.	MAX. PERMITTED SERVICE SPEED.	27.8 M.P.H.	
CURVE.	MIN. RAD CURVE	{ WITHOUT GAUGE WIDENING.	2.5 CHAINS.
		{ AT DEAD SLOW SPEED.	2 CHAINS.
TANK CAPACITY.	FUEL.	225 GALLS.	

### 200 H.P. DREWRY O-6-O DIESEL MECHANICAL SHUNTING LOCOMOTIVE.



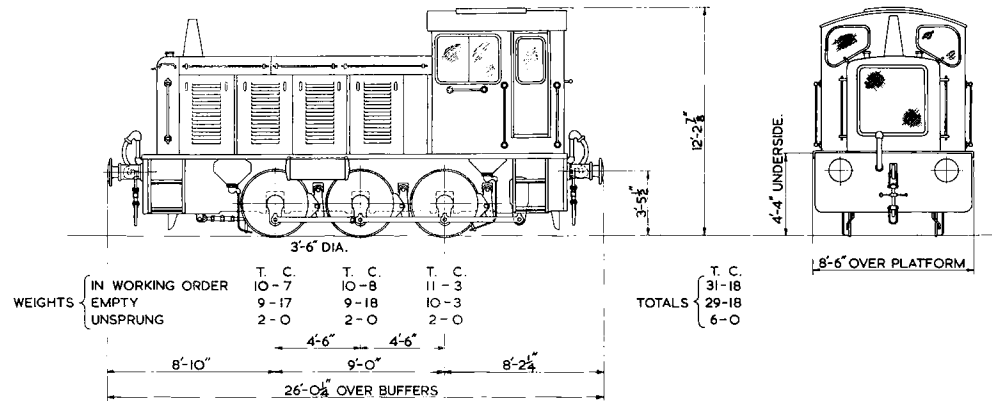
ENGINE.	{ MAKE & TYPE.	GARDNER 8L3.	BRAKING.	{ TYPE { FOR LOCO.	AIR.
	{ No. OF CYLS. & CYCLE.	8 CYLS. 4 STROKE.		{ FOR TRAIN.	—
	{ MAX. CONT. RATED OUTPUT.	204 H.P. AT 1200 R.P.M.		{ BRAKE FORCE { % OF LOCO. WEIGHT.	65%.
TRANSMISSION.	{ ENGINE TO GEARBOX	FLUIDRIVE TYPE 23 HYD. COUPLING.	SPEED.	{ IN WORKING ORDER.	
	{ GEARBOX.	WILSON-DREWRY C.A.S. R.7.		{ MAX. PERMITTED SERVICE SPEED.	25.8 M.P.H.
	{ FINAL DRIVE	S.C.G. Co. TYPE R.F. II.	CURVE.	{ MIN. RAD. CURVE { WITHOUT GAUGE WIDENING:	2.5 CHAINS.
PERFORMANCE.	{ MAX. TRACTIVE EFFORT.	16850 LB. AT 24.9% ADHESION.		{ AT DEAD SLOW SPEED:	2 CHAINS.
	{ CONT. TRACTIVE EFFORT.	16850 LB. AT 3.4 M.P.H.	TANK CAPACITY.	FUEL	225 GALLS.

**200 H.P. DREWRY 0-6-0 DIESEL MECHANICAL SHUNTING LOCOMOTIVE.**



ENGINE.	{	MAKE & TYPE.	GARDNER BL3	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	69.4%
TRANSMISSION.	{	ENGINE TO GEARBOX.	FLUIDRIVE TYPE 23 HYD. COUPLING.	{ IN WORKING ORDER.				
PERFORMANCE.		{	GEARBOX.	WILSON-DREWRY C.A.5. R.7.	SPEED.	MAX. PERMITTED SERVICE SPEED.	27.8 M.P.H.	
	FINAL DRIVE.		S.C.G. Co. TYPE R.F. II.	CURVE.	MIN. RAD. CURVE.	{ WITHOUT GAUGE WIDENING.	2.5 CHAINS.	
PERFORMANCE.	{	MAX. TRACTIVE EFFORT.	15650 LBS. AT 21.80% ADHESION.	TANK CAPACITY.	FUEL.	{ AT DEAD SLOW SPEED.	2.0 CHAINS.	
		CONT. TRACTIVE EFFORT.	15650 LBS. AT 3.66 M.P.H.			280 GALLS.		

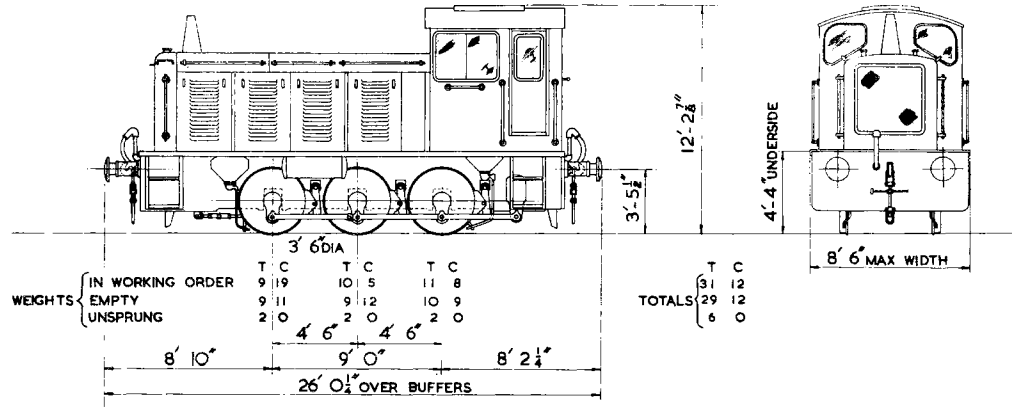
200 H.P. DREWRY O-6-O DIESEL MECHANICAL SHUNTING LOCOMOTIVE.



ENGINE.	{	MAKE & TYPE.	GARDNER 8 L3.	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	69.8%
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.	27.8 M.P.H.
		FINAL DRIVE.	S.C.G. Co. TYPE R.F. II.			MIN. RAD. CURVE { WITHOUT GAUGE WIDENING.	2.5 CHAINS.
PERFORMANCE.	{	MAX. TRACTIVE EFFORT.	15650 LBS. AT 21.91% ADHESION.	CURVE.	{	AT DEAD SLOW SPEED.	2.0 CHAINS.
		CONT. TRACTIVE EFFORT.	15650 LBS. AT 3.66 M.P.H.			TANK CAPACITY.	FUEL.

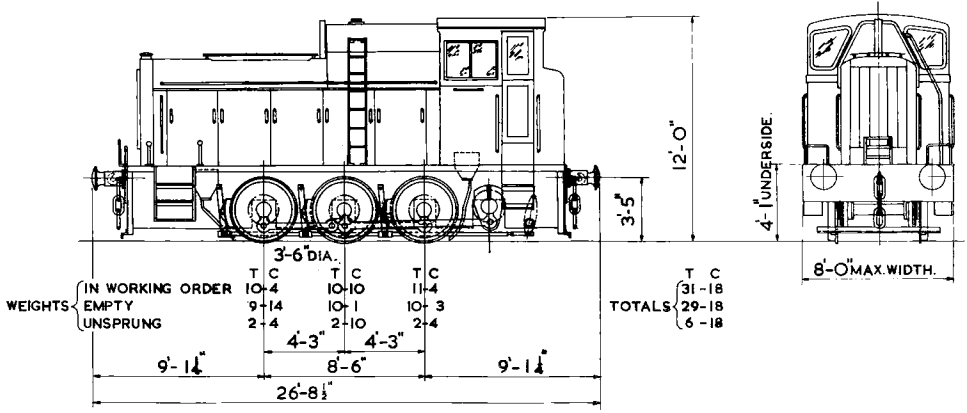
### 200 H.P. DREWRY 0-6-0 DIESEL MECHANICAL SHUNTING LOCOMOTIVE.





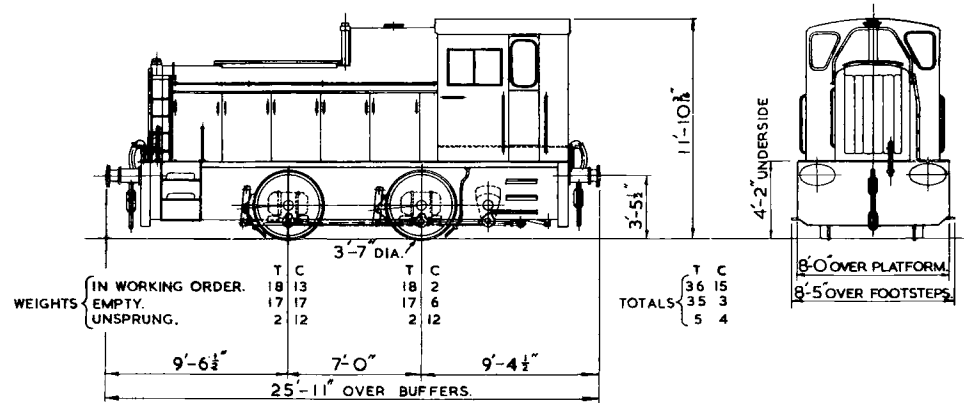
ENGINE	MAKE & TYPE	GARDNER 8L3.	BRAKING.	TYPE { FOR LOCO. FOR TRAIN.	AIR.	
		No OF CYLS & CYCLE			8 CYLS 4 STROKE.	VACUUM.
TRANSMISSION	MAX CONT. RATED OUTPUT	204 H.P. AT 1200 R.P.M.	SPEED.	BRAKE FORCE. { % OF LOCO. WEIGHT IN WORKING ORDER.	70.6 %	
		ENGINE TO GEARBOX.			FLUIDRIVE TYPE 23 HYD. COUPLING.	
PERFORMANCE	GEARBOX.	WILSON-DREWRY C.A.5. R.7.	CURVE.	MAX. PERMITTED SERVICE SPEED.	27.8 M.P.H.	
	FINAL DRIVE	S.C.G. Co. TYPE R.F. 11.			MIN RAD. CURVE. { WITHOUT GAUGE WIDENING. AT DEAD SLOW SPEED.	2.5 CHAINS
	MAX. TRACTIVE EFFORT.	15,650 LB. AT 22.1% ADHESION.				2 CHAINS.
	CONT. TRACTIVE EFFORT	15,650 LB. AT 3.66 M.P.H.	TANK CAPACITY.	FUEL.	300 GALLS.	

**200 H.P. DREWRY O-6-O DIESEL MECHANICAL SHUNTING LOCOMOTIVE.**



ENGINE.	{ MAKE & TYPE. No. OF CYLS. & CYCLE. MAX. CONT. RATED OUTPUT.	GARDNER 8.L.3. 8 CYLS. 4 STROKE. 204HP AT 1200 RPM.	BRAKING.	{ TYPE { FOR LOCO. FOR TRAIN.	AIR. —
TRANSMISSION.	{ ENGINE TO GEARBOX. GEARBOX. FINAL DRIVE.	VULCAN SINCLAIR FLUID COUPLING. WILSON FOUR SPEED S.E.4. WISEMAN UNIT 15.RLGB.	SPEED.	MAX. PERMITTED SERVICE SPEED.	15.85MPH.
TANK CAPACITY.	FUEL				400 GALLS.

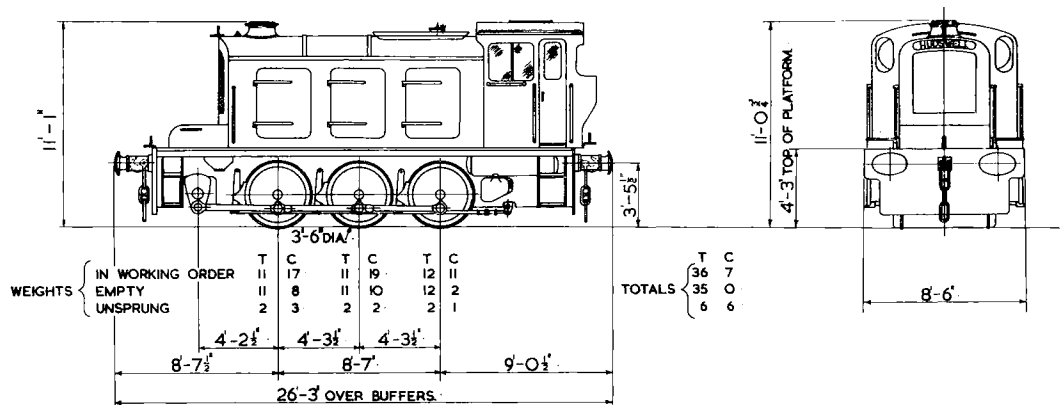
**200 H.P. ANDREW BARCLAY. O-6-Q. DIESEL MECHANICAL SHUNTING LOCOMOTIVE.**



ENGINE.	{	MAKE & TYPE.	GARDNER 8L3.
		No. OF CYLS. & CYCLE.	8 CYLS. 4 STROKE.
		MAX. CONT. RATED OUTPUT.	204 H.P. AT 1200 R.P.M.
TRANSMISSION.	{	ENGINE TO GEARBOX.	VULCAN SINCLAIR RIGID TYPE SIZE 23 HYD. CPLG.
		GEARBOX.	WILSON CA5 TYPE 5 SPEED EPICYCLIC GEARBOX.
		FINAL DRIVE.	WISEMAN TYPE 15RLGB REVERSING F.D. UNIT.
PERFORMANCE	{	MAX. TRACTIVE EFFORT	19,800 L.B. AT 24% ADHESION
		CONT. TRACTIVE EFFORT	19,800 L.B. AT 2.25 M.P.H.
		RAIL H.P.	122 H.P. AVAILABLE BETWEEN 0&22.8 M.P.H.

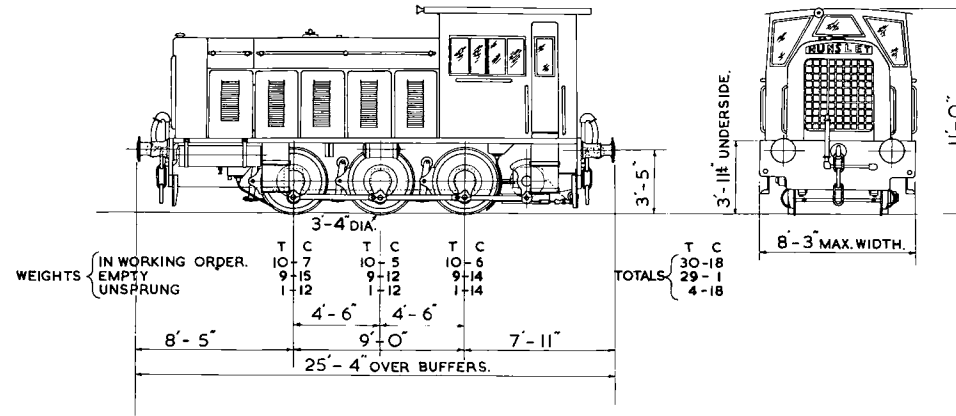
BRAKING.	{	TYPE	{ FOR LOCO. FOR TRAIN.	AIR.	VACUUM.
		BRAKE FORCE	{ % OF LOCO. WEIGHT IN WORKING ORDER.	66.4%	
		SPEED.	MAX. PERMITTED SERVICE SPEED	22.8 M.P.H.	
CURVE.	{	MIN. RAD. CURVE	{ WITHOUT GAUGE WIDENING : AT DEAD SLOW SPEED :	1.365 CHAINS.	1.365 CHAINS.
		TANK CAPACITY.	FUEL	325 GALLS.	

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



ENGINE.	{	MAKE & TYPE.	GARDNER 8.L.3.	}		{	TYPE	{ FOR LOCO. FOR TRAIN.	AIR.
		No. OF CYLS. & CYCLE.	8 CYLS. 4 STROKE.				BRAKING.	BRAKE FORCE	{ % OF LOCO. WEIGHT IN WORKING ORDER.
TRANSMISSION.	{	ENGINE TO GEARBOX.	204 H. P. AT 1200 R. P. M.	}		}	SPEED.	MAX. PERMITTED SERVICE SPEED.	14 M.P.H.
		GEARBOX.	SCOOP CONTROLLED FLUID COUPLING. SIZE 23.				CURVE.	MIN. RAD. CURVE	{ WITHOUT GAUGE WIDENING: AT DEAD SLOW SPEED:
PERFORMANCE.	{	FINAL DRIVE.	S.S.S. POWERFLOW. 3 SPEEDS FORWARD & REVERSE.	}		}	TANK CAPACITY.	FUEL	300 GALLS.
		MAX. TRACTIVE EFFORT.	18,100 L.B. AT 22.3% ADHESION						
		CONT. TRACTIVE EFFORT.	16,100 L.B. AT 2.94 M. P. H.						

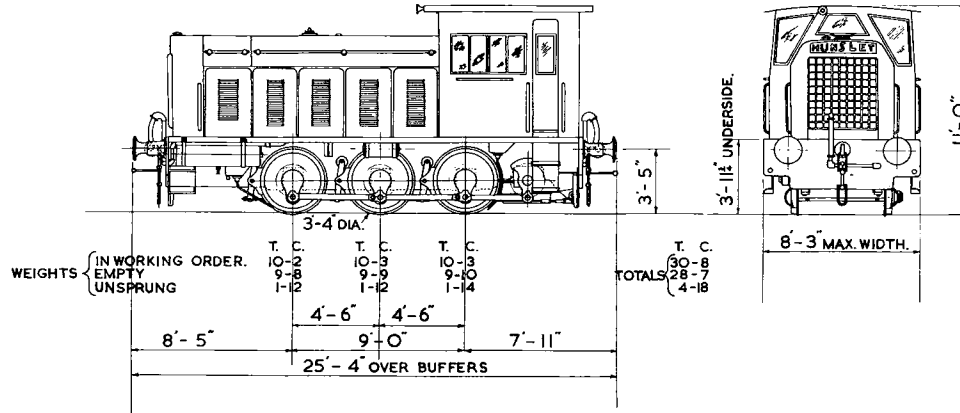
**200 H.P. HUDSWELL CLARKE O-6-O DIESEL MECHANICAL SHUNTING LOCOMOTIVE.**



ENGINE.	MAKE & TYPE. No. OF CYLS. & CYCLE. MAX. CONT. RATED OUTPUT. ENGINE TO GEARBOX.	GARDNER 8.L.3. 8 CYLS. 4 STROKE. 204 H.P. AT 1200 R.P.M. HUNSLET PATENT FRICTION CLUTCH.	BRAKING.	TYPE. { FOR LOCO. FOR TRAIN.	AIR. VACUUM.
TRANSMISSION.	GEARBOX. FINAL DRIVE.	HUNSLET FOUR SPEED. JACKSHAFT & COUPLING RODS.	SPEED.	BRAKE FORCE. { % OF LOCO. WEIGHT IN WORKING ORDER.	68.5 %
PERFORMANCE.	MAX. TRACTIVE EFFORT. CONT. TRACTIVE EFFORT.	14,500 LB. AT 21.6 % ADHESION. 14,500 LB. AT 4.48 M.P.H.	CURVE.	MIN. RAD. CURVE { WITHOUT GAUGE WIDENING; AT DEAD SLOW SPEED:	17.8 M.P.H. 1.82 CHAINS 1.52 CHAINS
			TANK CAPACITY.	FUEL.	300 GALLS

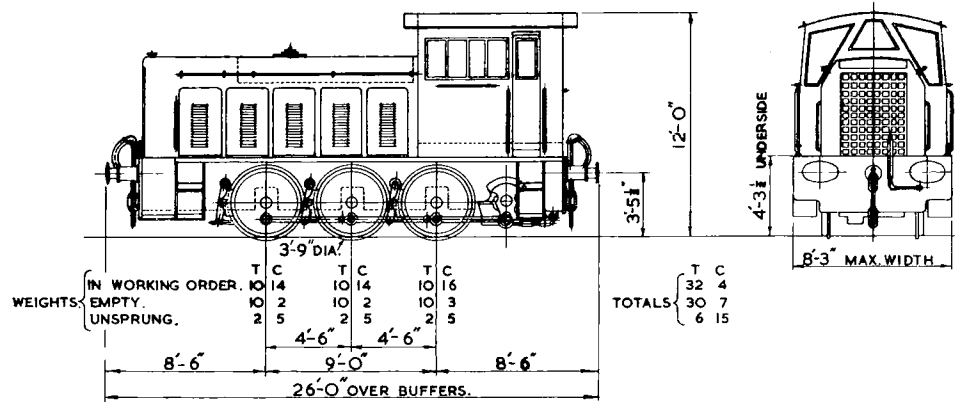
### 200 H.P HUNSLET O-6-O DIESEL MECHANICAL SHUNTING LOCOMOTIVE.





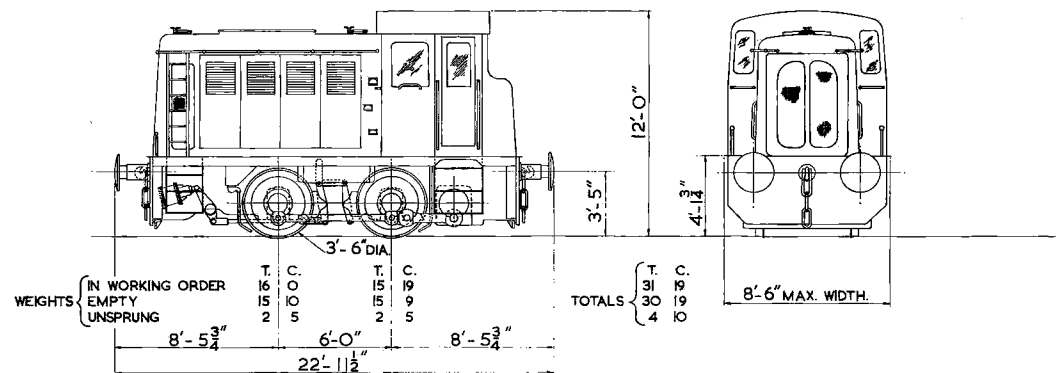
ENGINE.	{ MAKE & TYPE. No. OF CYLS. & CYCLE. MAX. CONT. RATED OUTPUT.	GARDNER 8.L.3. 8 CYLS. 4 STROKE.	BRAKING.	{ TYPE { FOR LOCO. FOR TRAIN. BRAKE FORCE { % OF LOCO. WEIGHT IN WORKING ORDER.	AIR. VACUUM.
TRANSMISSION.		204 H.P. AT 1200 R.P.M.			{ % OF LOCO. WEIGHT IN WORKING ORDER.
PERFORMANCE.	{ ENGINE TO GEARBOX. GEARBOX. FINAL DRIVE.	HUNSLET PATENT FRICTION CLUTCH. HUNSLET FOUR SPEED. JACKSHAFT & COUPLING RODS.	SPEED.	MAX. PERMITTED SERVICE SPEED.	17.8 M.P.H.
	{ MAX. TRACTIVE EFFORT. CONT. TRACTIVE EFFORT.	14,500LB. AT 21.6 % ADHESION. 14,500LB. AT 4.48 M.P.H.	CURVE.	MIN. RAD. CURVE { WITHOUT GAUGE WIDENING; AT DEAD SLOW SPEED:	1.82 CHAINS. 1.52 CHAINS.
			TANK CAPACITY.	FUEL.	350 GALLS.

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



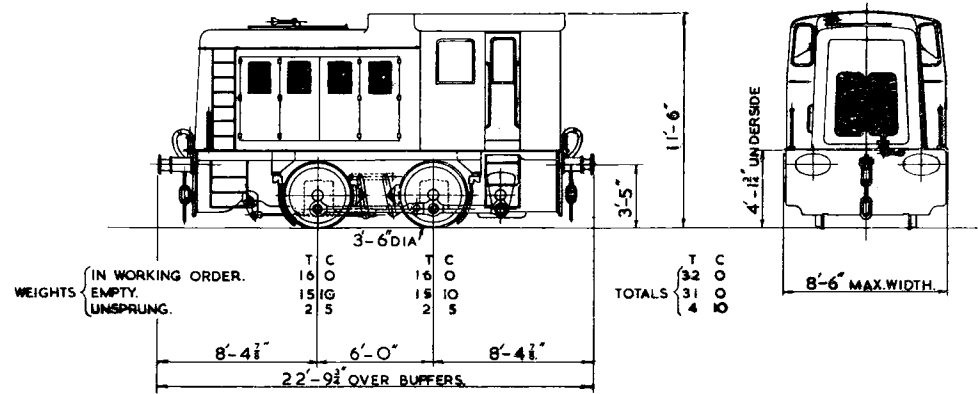
ENGINE.	MAKE & TYPE.	GARDNER 8.L.3.H.	BRAKING.	TYPE { FOR LOCO. FOR TRAIN.	AIR. VACUUM.
	No. OF CYLS. & CYCLE.	8 CYLS. 4 STROKE.		BRAKE FORCE { % OF LOCO. WEIGHT IN WORKING ORDER.	74 %
	MAX. CONT. RATED OUTPUT.	204 H.P. AT 1200 R.P.M.			
TRANSMISSION.	ENGINE TO GEARBOX.	HUNSLET PATENT FRICTION MAIN CLUTCH.	SPEED.	MAX. PERMITTED SERVICE SPEED	20 M.P.H.
	GEARBOX.	HUNSLET FOUR SPEED GEARBOX.	CURVE.	MIN. RAD. CURVE { WITHOUT GAUGE WIDENING: AT DEAD SLOW SPEED:	2:3 CHAINS. 1:8 CHAINS.
	FINAL DRIVE.				
PERFORMANCE.	MAX. TRACTIVE EFFORT.	17,400 LB. AT 24.2% ADHESION.	TANK CAPACITY.	FUEL	350 GALLS.
	CONT. TRACTIVE EFFORT.	17,400 LB. AT 3.74 M.P.H.			
	RAIL H.P.	122 H.P. AVAILABLE BETWEEN 0 & 20 M.P.H.			

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



ENGINE	{ MAKE & TYPE No. OF CYLS. & CYCLE MAX. CONT. RATED OUTPUT	PAXMAN 6 R.P.H. 6 CYLS. 4 STROKE 200 H.P. AT 1,000 R.P.M.	BRAKING	{ TYPE { FOR LOCO. FOR TRAIN.	AIR
TRANSMISSION	{ MAKE & TYPE FINAL DRIVE	VOITH-N.B.L. UNIT TYPE L33.Y.V. N.B.L. REVERSING GEARS & DOG CLUTCH.	SPEED	{ BRAKE FORCE { % OF LOCO. WEIGHT IN WORKING ORDER.	70 %
PERFORMANCE	{ MAX. TRACTIVE EFFORT. CONT. TRACTIVE EFFORT. RAIL H.P.	21,500 LB. AT 30% ADHESION 21,000 LB. AT 2.1 M.P.H. 117 H.P. AVAILABLE BETWEEN 0 & 12 M.P.H	CURVE	{ MIN. RAD. CURVE { WITHOUT GAUGE WIDENING : AT DEAD SLOW SPEED	12 M.P.H. 1.12 CHAINS. 1 CHAIN.
			TANK CAPACITY.	FUEL	155 GALLS

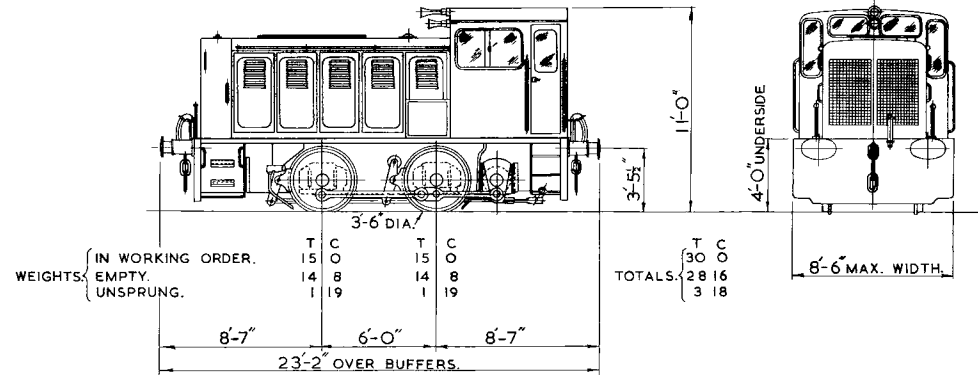
### 200 H.P. N.B.L. O-4-O DIESEL HYDRAULIC SHUNTING LOCOMOTIVE.



ENGINE.	MAKE & TYPE.	DAVEY PAXMAN, V6 R.P.H.L. SERIES I. (UNSP)
	No. OF CYLS. & CYCLE.	6 CYLS. 4 STROKE.
	MAX. CONT. RATED OUTPUT.	200 H.P. AT 1040 R.P.M.
TRANSMISSION.	MAKE & TYPE.	VOITH-N.B.L. UNIT TYPE L33Y.V.
	FINAL DRIVE.	N.B.L. REVERSING GEARS & DOG CLUTCH.
PERFORMANCE.	MAX. TRACTIVE EFFORT.	21,500 LB. AT 30% ADHESION.
	CONT. TRACTIVE EFFORT.	15,000 LB. AT 3 M.P.H.
	RAIL H.P.	120 H.P. AVAILABLE BETWEEN 0 & 15 M.P.H.

BRAKING.	TYPE	{ FOR LOCO.	A' R.
		{ FOR TRAIN.	V/2 CUUM.
	BRAKE FORCE	{ % OF LOCO. WEIGHT	83.1%
		{ IN WORKING ORDER.	
SPEED.	MAX. PERMITTED SERVICE SPEED.		15 M.P.H.
CURVE.	MIN. RAD. CURVE	{ WITHOUT GAUGE WIDENING:	1-15 CHAINS.
		{ AT DEAD SLOW SPEED:	1 CHAIN.
TANK CAPACITY.	FUEL		210 GALLS.

**200 H.P. N.B.L.O-4-O DIESEL HYDRAULIC SHUNTING LOCOMOTIVE.**

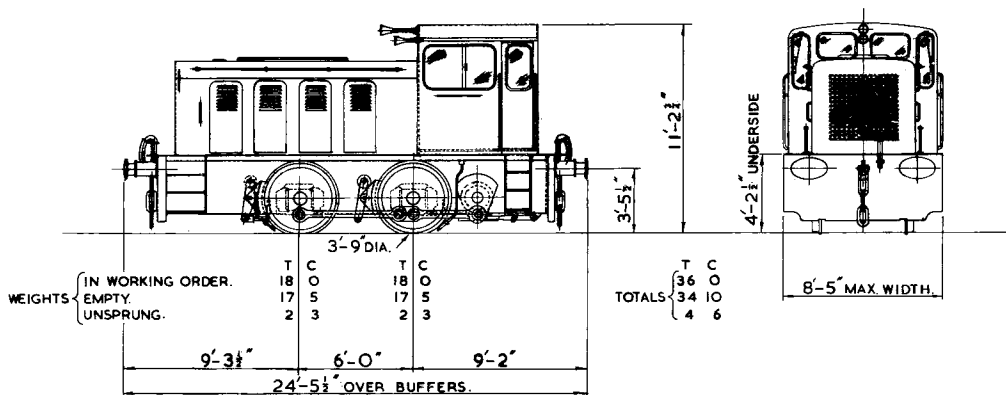


ENGINE.	{	MAKE & TYPE.	N.B.L.-M.A.N. W.6V.17-5/22. A.
		No. OF CYLS. & CYCLE.	6 CYLS. 4 STROKE.
		MAX. CONT. RATED OUTPUT.	225 HP AT 1100RPM.
TRANSMISSION.	{	MAKE & TYPE.	VOITH N.B.L.UNIT TYPE L33Y.V.
		FINAL DRIVE.	N.B.L.REVERSING GEARS & DOG CLUTCH
PERFORMANCE.	{	MAX. TRACTIVE EFFORT.	20080 L.B. AT 30 % ADHESION.
		CONT. TRACTIVE EFFORT.	12,000 L.B. AT 4 M.P.H.
		RAIL H.P.	128 H.P. AVAILABLE BETWEEN O&15M.P.H.

BRAKING.	{	TYPE	{ FOR LOCO.	AIR.
			{ FOR TRAIN.	VACUUM.
	{	BRAKE FORCE	{ % OF LOCO. WEIGHT	71.5%
			{ IN WORKING ORDER.	
SPEED.		MAX. PERMITTED SERVICE SPEED.		15 M.P.H.
CURVE	{	MIN. RAD. CURVE	{ WITHOUT GAUGE WIDENING:	1-13 CHAINS.
			{ AT DEAD SLOW SPEED:	1 CHAIN.
TANK CAPACITY		FUEL		225 GALLS.

200 H.P. N.B.L.O-4-O DIESEL HYDRAULIC SHUNTING LOCOMOTIVE.





ENGINE. { MAKE & TYPE.  
No. OF CYLS. & CYCLE.  
MAX. CONT. RATED OUTPUT.

N.B.L. M.A.N. W.6V.17.5/22.A.  
6 CYLS. 4 STROKE.  
225 H.P. AT 1100 RPM.

TRANSMISSION. { MAKE & TYPE.  
FINAL DRIVE.

VOITH-N.B.L. UNIT TYPE L33Y.V.  
N.B.L. REVERSING GEARS & DOG CLUTCH.

PERFORMANCE { MAX. TRACTIVE EFFORT.  
CONT. TRACTIVE EFFORT.  
RAIL H.P.

21,500 LB. AT 30% ADHESION.  
14,000 LB. AT 3-4 M.P.H.  
127 H.P. AVAILABLE BETWEEN 0 & 17 M.P.H.

BRAKING.

{ TYPE { FOR LOCO.  
FOR TRAIN.

AIR.  
VACUUM.

BRAKE FORCE { % OF LOCO. WEIGHT  
IN WORKING ORDER.

70-83%.

SPEED.

MAX. PERMITTED SERVICE SPEED.

17 M.P.H.

CURVE.

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

1-13 CHAINS.

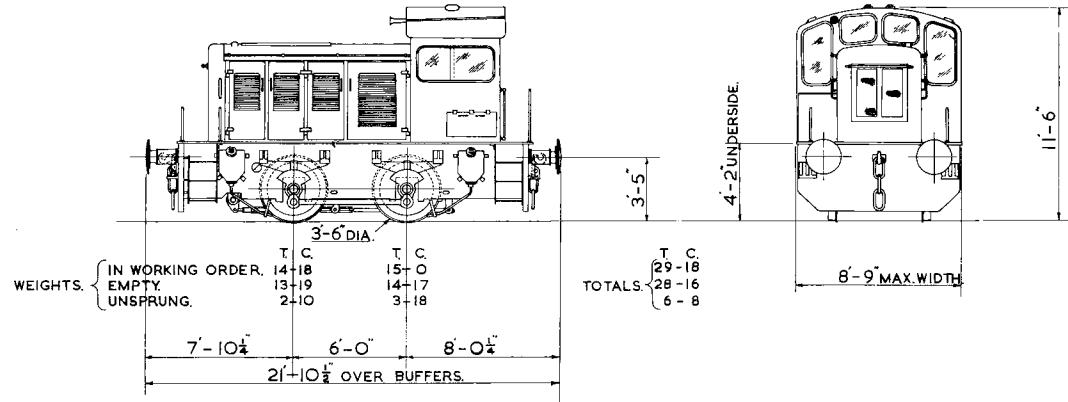
1 CHAIN.

TANK CAPACITY.

FUEL

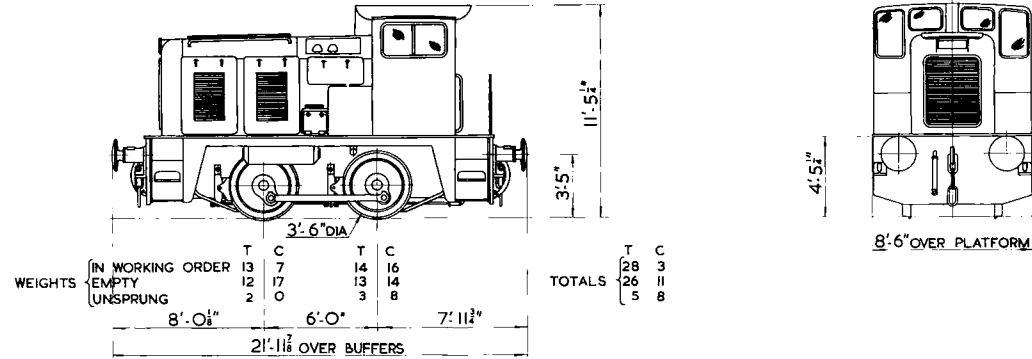
300 GALLS

**200 H.P. N.B.L. 0-4-0 DIESEL HYDRAULIC SHUNTING LOCOMOTIVE.**



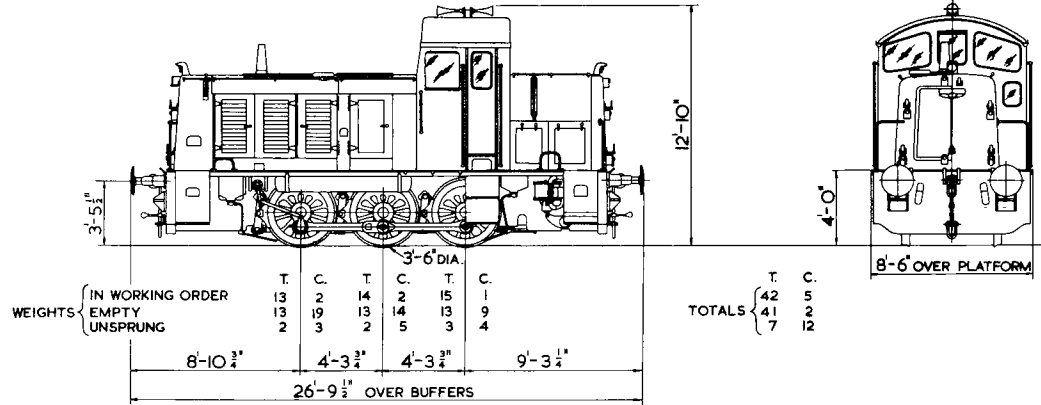
ENGINE.	MAKE & TYPE.	PETTER MCLAREN LE.6.	BRAKING.	TYPE.	{ FOR LOCO.	AIR.
	No. OF CYLS. & CYCLE.	6 CYLS. 4 STROKE.		{ FOR TRAIN.	-	
MAIN GENERATOR.	MAX. CONT. RATED OUTPUT.	200 H.P. AT 1800 R.P.M.		BRAKE FORCE	{ % OF LOCO WEIGHT	
	MAKE & TYPE.	BRUSH TG. 50-40.		{ IN WORKING ORDER.	86.8 %	
TRACTION MOTORS.	MAKE & TYPE.	BRUSH TM 50-50 MK III.	SPEED.	MAX. PERMITTED SERVICE SPEED.	18 M.P.H.	
	No.	ONE.	CURVE.	MIN. RAD. CURVE.	{ WITHOUT GAUGE WIDENING.	1 CHAIN.
	TYPE OF SUSPENSION.	NOSE.		{ AT DEAD SLOW SPEED.	0.9 CHAINS.	
	TYPE OF GEAR DRIVE.	DOUBLE REDUCTION.	TANK CAPACITY FUEL.		200 GALLS.	
	MAX TRACTIVE EFFORT.	19,200 LB. AT 28.6% ADHESION.				
		AT 500 AMPS MAIN GENERATOR.				
PERFORMANCE.	CONT TRACTIVE EFFORT.	8,000 LB. AT 6.75 M. P. H.				
		AT 250 AMPS MAIN GENERATOR.				
	RAIL H P AT CONT RATING.	153 H.P.				
	FULL ENGINE OUTPUT.	AVAILABLE BETWEEN 2.6 & 7.9 M.P.H.				

**200 H.P. BRUSH O-4-O DIESEL ELECTRIC SHUNTING LOCOMOTIVE.**



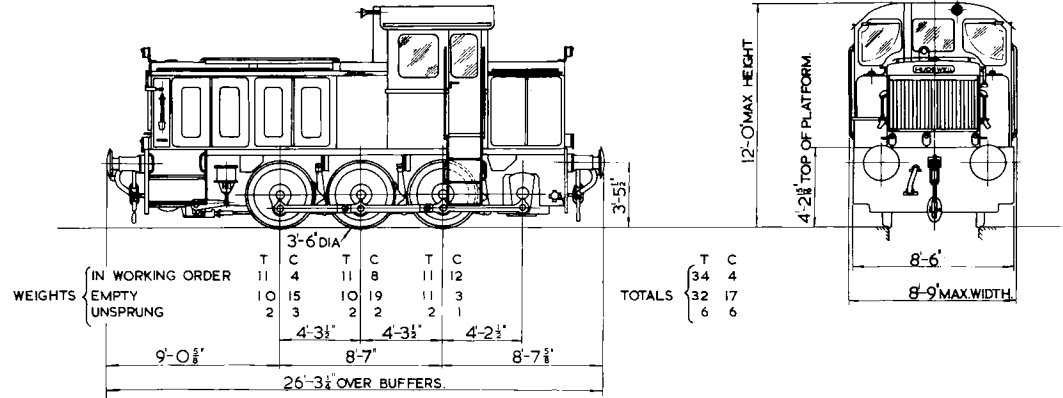
ENGINE	{ MAKE & TYPE. No. OF CYLS. & CYCLE. MAX. CONT. RATED OUTPUT.	ROLLS ROYCE C.6. N.F.L. SERIES 176. 6 CYLS. 4 STROKE. 170 H.P. AT 1800 R.P.M.	BRAKING.	{ TYPE { FOR LOCO. FOR TRAIN.	AIR. VACUUM.
TRANSMISSION.	{ MAKE & TYPE. FINAL DRIVE.	"ROLLS ROYCE" TORQUE CONVERTER. "YORKSHIRE" DOUBLE REDUCTION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

170H.P YORKSHIRE ENGINE 0-4-0 DIESEL HYDRAULIC SHUNTING LOCOMOTIVE.



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



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 8L.3.  
 8 CYLS. 4 STROKE.  
 204 H.P. AT 1200 R.P.M.  
 SCOOP CONTROLLED FLUID COUPLING SIZE 23.  
 S.S.S. POWERFLOW 4 SPEEDS FORWARD & REVERSE.  
 19,245 LB. AT 25.19% ADHESION  
 17,069 LB. AT 3.72 M.P.H.

BRAKING.  
 SPEED.  
 CURVE.  
 TANK CAPACITY.

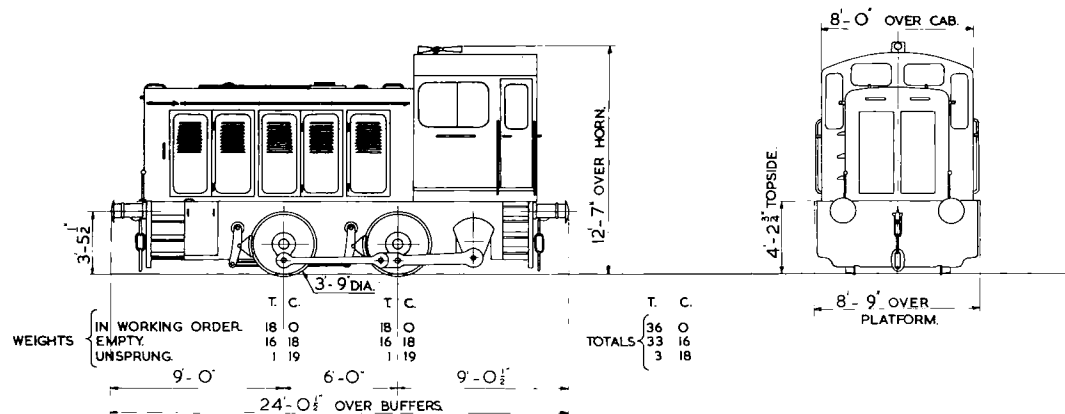
TYPE { FOR LOCO  
 FOR TRAIN.

BRAKE FORCE { % OF LOCO WEIGHT  
 IN WORKING ORDER.

MAX. PERMITTED SERVICE SPEED  
 MIN. RAD. CURVE { WITHOUT GAUGE WIDENING.  
 AT DEAD SLOW SPEED.

AIR.  
 VACUUM.  
 60.52%  
 24.48 M.P.H.  
 1.79 CHAINS.  
 1.16 CHAINS.  
 300 GALLS.

200 H.P. HUDSWELL CLARKE O-6-O DIESEL MECHANICAL SHUNTING LOCOMOTIVE.



ENGINE. { MAKE & TYPE.  
No. OF CYLS. & CYCLE.  
MAX. CONT. RATED OUTPUT

TRANSMISSION { MAKE & TYPE.  
FINAL DRIVE.

PERFORMANCE. { MAX. TRACTIVE EFFORT.  
CONT. TRACTIVE EFFORT.  
RAIL H.P.

NBL-M.A.N. W6V17-5/22.AS.  
6 CYLS. 4 STROKE.  
330 HP. AT 1100 R.P.M.  
VOITH-N.B.L. UNIT TYPE L24.V  
NBL. SINGLE SPEED FORD & REV'SE REDUCTION.  
20160 LB. AT 25% ADHESION.  
15200 LB. AT 4.8 M.P.H.  
235 HP. AVAILABLE BETWEEN 5 & 20 M.P.H.

BRAKING

SPEED.

CURVE.

TANK CAPACITY.

TYPE { FOR LOCO.  
FOR TRAIN.

BRAKE FORCE { % OF LOCO WEIGHT  
IN WORKING ORDER.

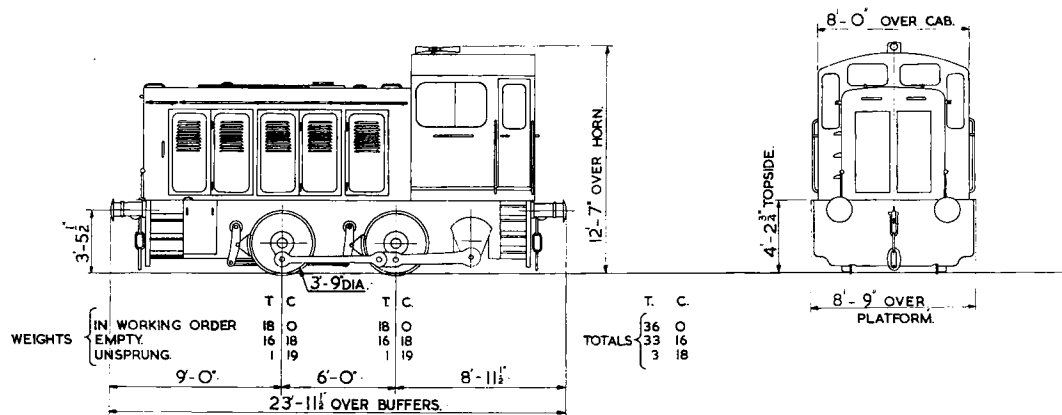
MAX. PERMITTED SERVICE SPEED.

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

FUEL.

AIR VACUUM.  
70-79%.  
20 M.P.H.  
1-14 CHAINS.  
450 GALLS.

330 H.P. N.B.L. O-4-O DIESEL HYDRAULIC SHUNTING LOCOMOTIVE.



ENGINE. { MAKE & TYPE.  
No. OF CYLS. & CYCLE.  
MAX. CONT. RATED OUTPUT.

TRANSMISSION. { MAKE & TYPE.  
FINAL DRIVE.

PERFORMANCE. { MAX. TRACTIVE EFFORT.  
CONT. TRACTIVE EFFORT.  
RAIL H.P.

NBL—M.A.N. W6V17-5/22.BS.  
6 CYLS. 4 STROKE.  
330 H.P. AT 1100 R.P.M.

VOITH—N.B.L. UNIT TYPE L24.V.  
NBL. SINGLE SPEED FORD & REVERSE REDUCTION.  
20160 LB. AT 25% ADHESION.  
15200 LB. AT 4.8 M.P.H.  
235 H.P. AVAILABLE BETWEEN 5 & 20 M.P.H.

BRAKING.

SPEED.

CURVE.

TANK CAPACITY.

TYPE. { FOR LOCO.  
FOR TRAIN.

BRAKE FORCE { % OF LOCO WEIGHT  
IN WORKING ORDER.

MAX. PERMITTED SERVICE SPEED.

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

FUEL.

AIR  
VACUUM.

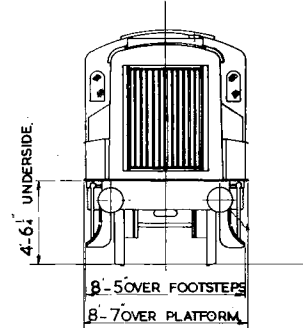
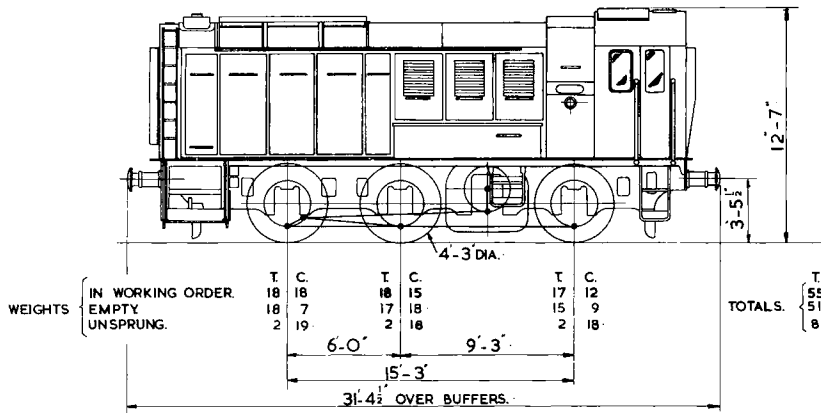
70.9%.

20 M.P.H.

1:14 CHAINS.

450 GALLS.

## 330 H.P. N.B.L. O-4-O DIESEL HYDRAULIC SHUNTING LOCOMOTIVE.



WEIGHTS	T.		C.		T.		C.		TOTALS.	T.		C.	
	IN WORKING ORDER.	18	18	18	15	17	12	17		12	55	5	51
EMPTY UNSPRUNG.	18	7	17	18	15	9	2	18	8	15			

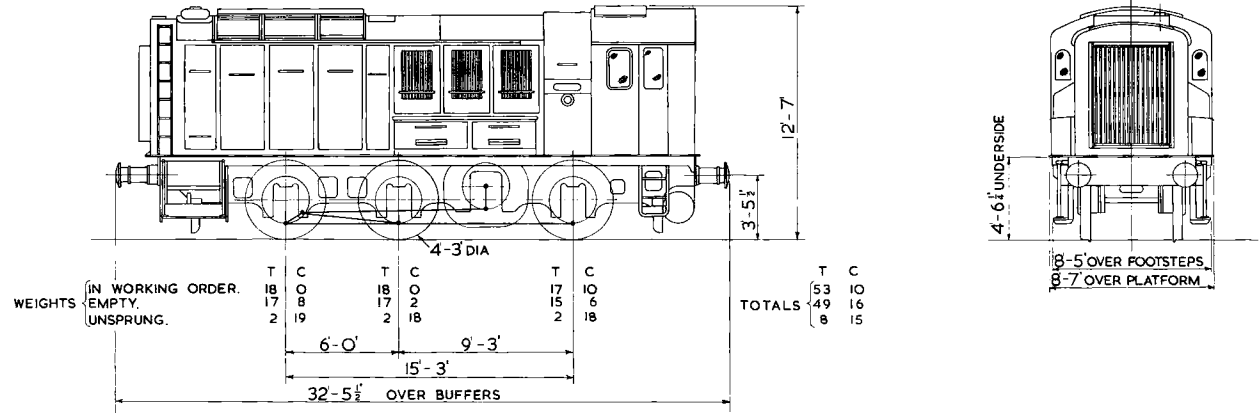
4-3 DIA.  
 6-0"  
 15-3"  
 9-3"  
 31-4 1/2" OVER BUFFERS.

ENGINE.	MAKE & TYPE.	ENGLISH ELECTRIC 6KT.
	No. OF CYLS. & CYCLE.	6 CYL. 4 STROKE.
MAIN GENERATOR.	MAX. CONT. RATED OUTPUT.	350 HP AT 680 R.P.M.
	MAKE & TYPE.	ENGLISH ELECTRIC EE.803.
TRACTION MOTORS.	MAKE & TYPE.	ENGLISH ELECTRIC EE.520.
	No.	ONE.
	TYPE OF SUSPENSION.	FRAME MOUNTED.
	TYPE OF GEAR DRIVE.	DOUBLE REDUCTION - JACKSHAFT.
	MAX. TRACTIVE EFFORT.	33500 LB. AT 27.1% ADHESION. AT 925 AMPS. MAIN GENERATOR.
PERFORMANCE.	CONT. TRACTIVE EFFORT.	11500 LB. AT 8.4 M.P.H. AT 400 AMPS MAIN GENERATOR.
	RAIL H.P. AT CONT. RATING.	258 H.P.
	FULL ENGINE OUTPUT.	AVAILABLE BETWEEN 0 & 8.2 M.P.H.

BRAKING	TYPE.	{ FOR LOCO. FOR TRAIN.	AIR.
	BRAKE FORCE.	{ % OF LOCO WEIGHT IN WORKING ORDER.	59.6%.
SPEED.	MAX. PERMITTED SERVICE SPEED.		20 M.P.H.
CURVE.	MIN. RAD. CURVE	{ WITHOUT GAUGE WIDENING. AT DEAD SLOW SPEED.	4 1/2 CHAINS.
TANK CAPACITY. FUEL.			661 GALLS.

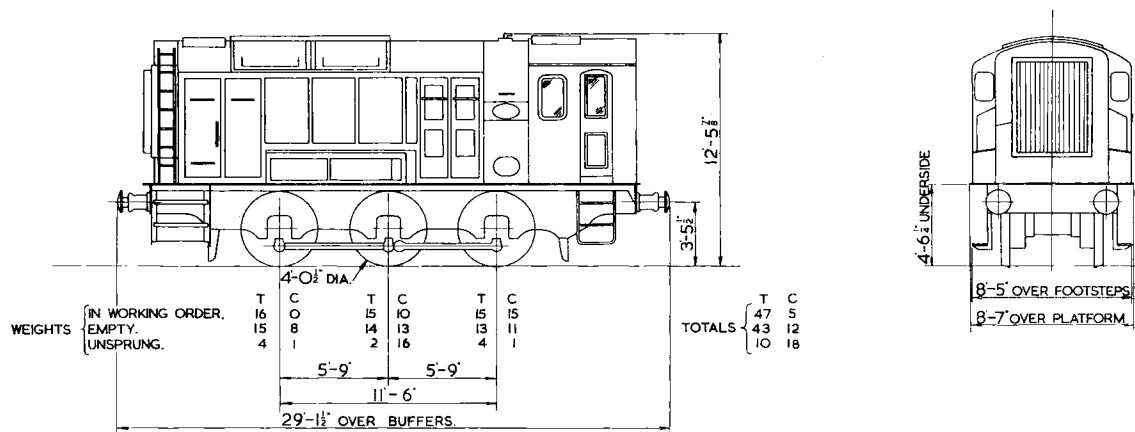
**350 H.P. B.R. 0-6-0 DIESEL ELECTRIC SHUNTING LOCOMOTIVE.**





ENGINE.	{ MAKE & TYPE. No. OF CYLS. & CYCLE. MAX. CONT. RATED OUTPUT.	ENGLISH ELECTRIC 6KT. 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. 61.57%.
MAIN GENERATOR.	{ MAKE & TYPE. No.	ENGLISH ELECTRIC EE 803. ONE.	SPEED.	MAX. PERMITTED SERVICE SPEED.	20 M.P.H.
TRACTION MOTORS.	{ MAKE & TYPE. No. TYPE OF SUSPENSION. TYPE OF GEAR DRIVE.	ENGLISH ELECTRIC EE 520. ONE. FRAME MOUNTED. DOUBLE REDUCTION - JACKSHAFT.	CURVE.	MIN. RAD. CURVE { WITHOUT GAUGE WIDENING. AT DEAD SLOW SPEED.	4 1/2 CHAINS.
PERFORMANCE.	{ MAX. TRACTIVE EFFORT. CONT. TRACTIVE EFFORT. RAIL H.P. AT CONT. RATING. FULL ENGINE OUTPUT.	33500 LB. AT 27.9% ADHESION. AT 925 AMP MAIN GENERATOR. 11500 LB. AT 8.4 M.P.H. AT 400 AMPS. MAIN GENERATOR. 258 H.P. AVAILABLE BETWEEN 0 & 8.2 M.P.H.	TANK CAPACITY. FUEL.		661 GALLS

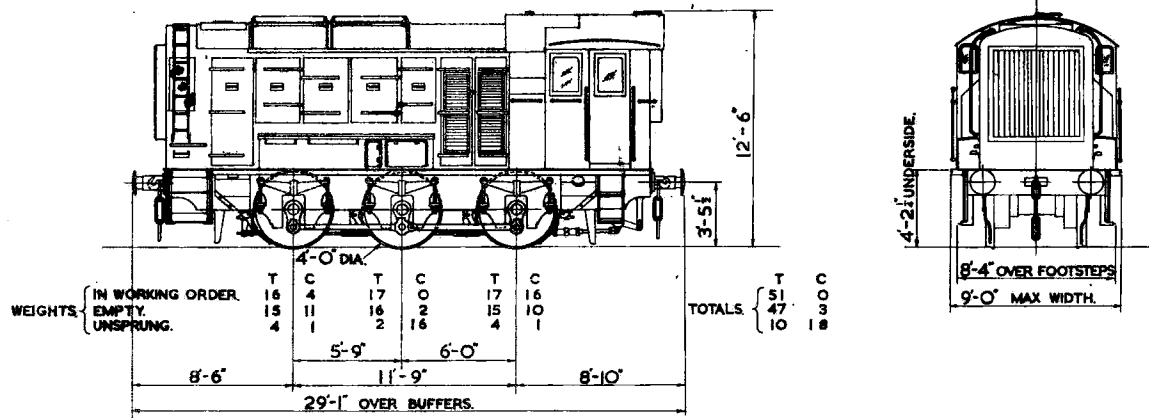
**350 H. P. B. R. O-6-O DIESEL ELECTRIC SHUNTING LOCOMOTIVE.**



ENGINE.	MAKE & TYPE.	ENGLISH ELECTRIC 6 K.T.
	No. OF CYLS. & CYCLE.	6 CYL. 4 STROKE.
MAIN GENERATOR.	MAX. CONT. RATED OUTPUT.	350 H.P. AT 680 R.P.M.
	MAKE & TYPE.	ENGLISH ELECTRIC TYPE E.E. 801.
TRACTION MOTORS	MAKE & TYPE.	ENGLISH ELECTRIC TYPE EE 506.
	No.	TWO
	TYPE OF SUSPENSION.	NOSE.
	TYPE OF GEAR DRIVE.	DOUBLE REDUCTION.
PERFORMANCE.	MAX. TRACTIVE EFFORT.	35,000 LB. AT 33-2% ADHESION.
	CONT. TRACTIVE EFFORT.	AT 1050 AMPS MAIN GENERATOR.
		10800 LB. AT 8.5 M.P.H.
		AT 441 AMPS. MAIN GENERATOR.
	RAIL H.P. AT CONT. RATING.	245 H.P.
	FULL ENGINE OUTPUT.	AVAILABLE BETWEEN 0 & 8.5 M.P.H.

BRAKING.	TYPE	{ FOR LOCO FOR TRAIN.	AIR.
	BRAKE FORCE	{ % OF LOCO WEIGHT IN WORKING ORDER.	68.9 %.
SPEED.	MAX. PERMITTED SERVICE SPEED.		20 M.P.H.
CURVE.	MIN. RAD CURVE	{ WITHOUT GAUGE WIDENING. AT DEAD SLOW SPEED.	3 CHAINS.
TANK CAPACITY. FUEL			660 GALLS.

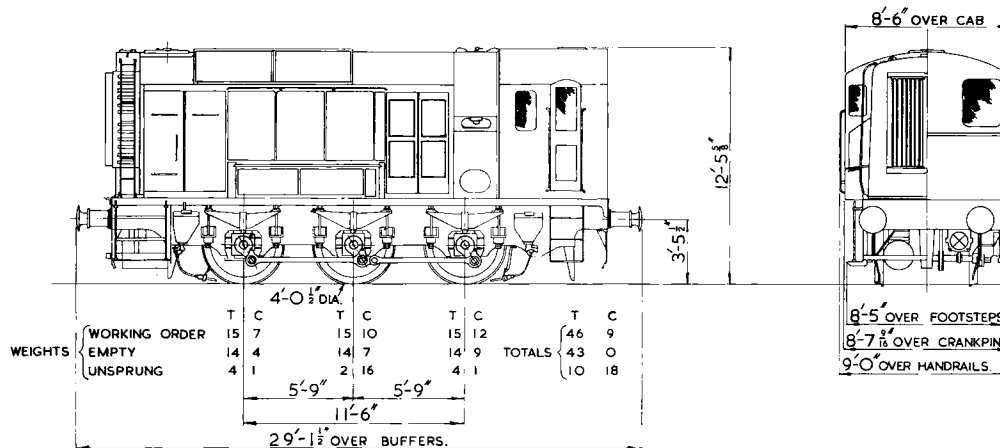
### 350 H.P. B.R. O-6-O DIESEL ELECTRIC SHUNTING LOCOMOTIVE.



ENGINE	MAKE & TYPE.	ENGLISH ELECTRIC 6 KT.
	Na OF CYLS. & CYCLE.	6 CYL. 4 STROKE.
MAIN GENERATOR.	MAX. CONT. RATED OUTPUT.	350 HP AT 680 R.P.M.
	MAKE & TYPE.	ENGLISH ELECTRIC TYPE 809.
TRACTION MOTORS	MAKE & TYPE.	ENGLISH ELECTRIC TYPE 506.
	Na.	TWO.
	TYPE OF SUSPENSION.	NOSE.
	TYPE OF GEAR DRIVE.	DOUBLE REDUCTION.
	MAX. TRACTIVE EFFORT.	32,000 LB AT 28.5% ADHESION. AT 920 AMPS MAIN GENERATOR.
PERFORMANCE.	CONT. TRACTIVE EFFORT.	11,000 LB. AT 7.5 M.P.H. AT 420 AMPS MAIN GENERATOR.
	RAIL H.P. AT CONT. RATING.	220 H.P.
	FULL ENGINE OUTPUT.	AVAILABLE BETWEEN 0 & 5.8 M.P.H.

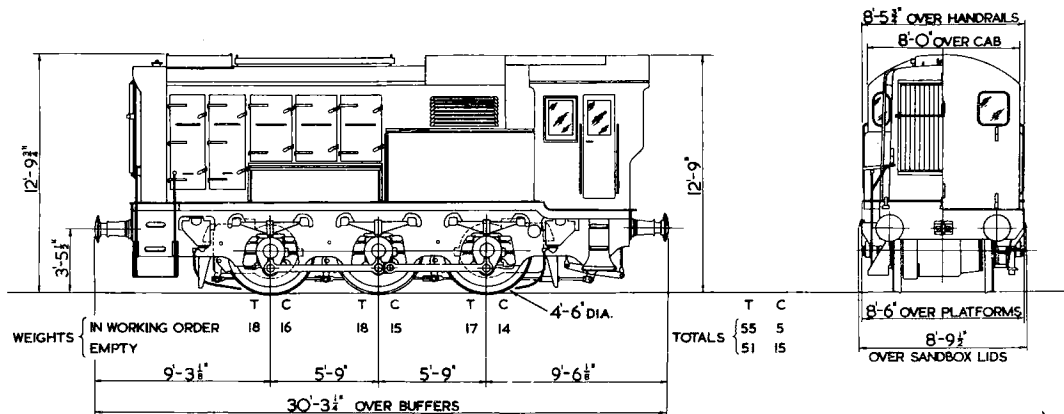
BRAKING.	TYPE.	{ FOR LOCO. FOR TRAIN.	AIR —
	BRAKE FORCE.	{ % OF LOCO. WEIGHT IN WORKING ORDER.	64.8 %.
SPEED.	MAX. PERMITTED SERVICE SPEED		20 M.P.H.
CURVE.	MIN. RAD. CURVE.	{ WITHOUT GAUGE WIDENING AT DEAD SLOW SPEED.	3 CHAINS.
TANK CAPACITY.	FUEL.		580 GALLS.

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



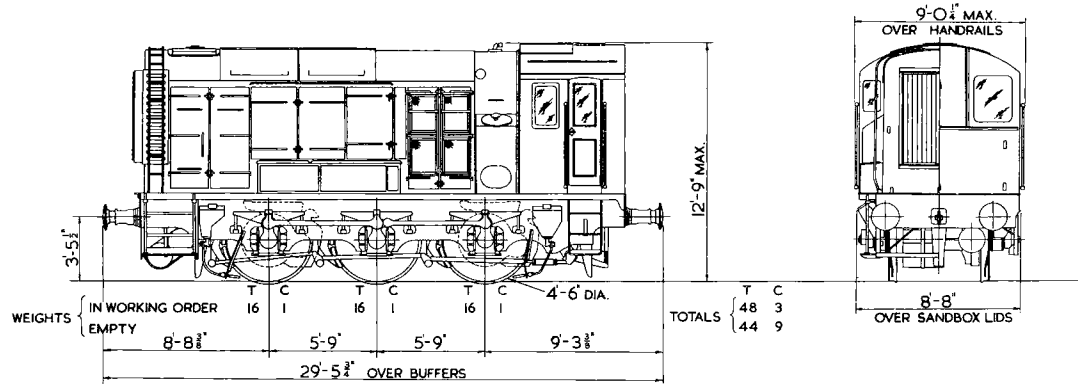
ENGINE.	{ MAKE & TYPE. No. OF CYLS. & CYCLE. MAX. CONT. RATED OUTPUT.	ENGLISH ELECTRIC 6.K.T. 6 CYLS. 4 STROKE. 350 H.P. AT 680 R.P.M.	BRAKING.	{ TYPE { FOR LOCO. FOR TRAIN.	AIR. VACUUM.
MAIN GENERATOR.	{ MAKE & TYPE.	ENGLISH ELECTRIC 801/1B.		{ BRAKE FORCE. { % OF LOCO. WEIGHT IN WORKING ORDER.	70.01%.
TRACTION MOTORS.	{ MAKE & TYPE. No. TYPE OF SUSPENSION. TYPE OF GEAR DRIVE.	ENGLISH ELECTRIC 506/A. TWO. NOSE. DOUBLE REDUCTION.	SPEED.	MAX. PERMITTED SERVICE SPEED.	20 M.P.H.
	{ MAX. TRACTIVE EFFORT.	35000 LB. AT 33.64% ADHESION AT 1050 AMPS. MAIN GENERATOR.	CURVE.	{ WITHOUT GAUGE WIDENING. AT DEAD SLOW SPEED.	3 1/2 CHAINS.
PERFORMANCE.	{ CONT. TRACTIVE EFFORT. RAIL H.P. AT CONT. RATING. FULL ENGINE OUTPUT.	10800 LB. 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. O-6-O DIESEL ELECTRIC SHUNTING LOCOMOTIVE.



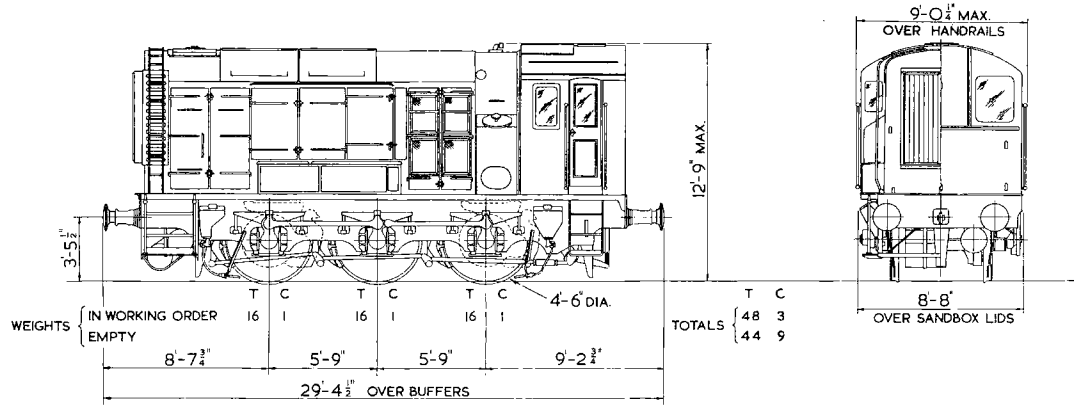
ENGINE	MAKE & TYPE	ENGLISH ELECTRIC 6 K	BRAKING	TYPE FOR LOCO.	STRAIGHT AIR	
	No. OF CYLS. & CYCLE	6 CYLS., 4 STROKE		BRAKE FORCE	% OF LOCO. WEIGHT { IN WORKING ORDER	74%
	MAX. CONT. RATED OUTPUT	350 H.P. AT 680 R.P.M.				
MAIN GENERATOR	MAKE & TYPE	ENGLISH ELECTRIC E.E.801A	SPEED	MAX. PERMITTED SERVICE SPEED	30 M.P.H.	
	MAKE & TYPE	ENGLISH ELECTRIC DK.129/2D	CURVE	MIN. RAD. CURVE WITHOUT GAUGE WIDENING	4 CHAINS	
TRACTION MOTORS	No.	TWO	TANK CAPACITY	ENGINE FUEL	490 GALLS.	
	TYPE OF SUSPENSION	NOSE				
	TYPE OF GEAR DRIVE	SINGLE REDUCTION				
PERFORMANCE	MAX. TRACTIVE EFFORT	30000 LBS. AT 24.2% ADHESION AT 730 AMPS. MAIN GENERATOR				
	CONT. TRACTIVE EFFORT	6400 LBS. AT 14.8 M.P.H. AT 450 AMPS. MAIN GENERATOR				
	RAIL H.P. AT CONT. RATING	252 H.P.				
	FULL ENGINE OUTPUT	AVAILABLE BETWEEN 1.8 & 14.4 M.P.H.				

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



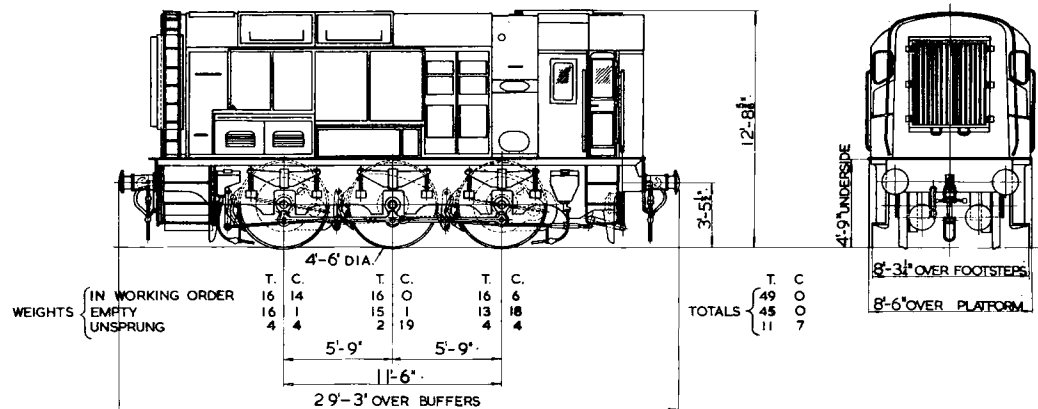
ENGINE	MAKE & TYPE	ENGLISH ELECTRIC 6 KT	BRAKING	TYPE FOR LOCO.	STRAIGHT AIR
	No. OF CYLS. & CYCLE	6 CYLS. 4 STROKE		BRAKE FORCE { % OF LOCO. WEIGHT IN WORKING ORDER	56%
	MAX. CONT. RATED OUTPUT	350 H.P. AT 680 R.P.M.			
MAIN GENERATOR	MAKE & TYPE	ENGLISH ELECTRIC E.E.801/7D	SPEED	MAX. PERMITTED SERVICE SPEED	27.5 M.P.H.
	MAKE & TYPE	ENGLISH ELECTRIC E.E.506 A	CURVE	MIN. RAD. CURVE WITHOUT GAUGE WIDENING	4 CHAINS
TRACTION MOTORS	No.	TWO	TANK CAPACITY	ENGINE FUEL	660 GALLS.
	TYPE OF SUSPENSION	NOSE			
	TYPE OF GEAR DRIVE	DOUBLE REDUCTION			
	MAX. TRACTIVE EFFORT	24000 LBS. AT 22-2% ADHESION			
PERFORMANCE	CONT. TRACTIVE EFFORT	AT 980 AMPS. MAIN GENERATOR			
		8000 LBS. AT 10.2 M.P.H.			
	RAIL H.P. AT CONT. RATING	AT 441 AMPS. MAIN GENERATOR			
		218 H.P.			

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



ENGINE	MAKE & TYPE	ENGLISH ELECTRIC 6 KT	BRAKING	TYPE FOR LOCO.	STRAIGHT AIR
	No. OF CYLS. & CYCLE	6 CYLS. 4 STROKE		TYPE FOR LOCO.	STRAIGHT AIR
MAIN GENERATOR	MAX. CONT. RATED OUTPUT	350 H.P. AT 680 R.P.M.	SPEED	BRAKE FORCE { % OF LOCO. WEIGHT	56%
	MAKE & TYPE	ENGLISH ELECTRIC E.E. 801/7D		IN WORKING ORDER	
TRACTION MOTORS	MAKE & TYPE	ENGLISH ELECTRIC E.E. 506A	CURVE	MAX. PERMITTED SERVICE SPEED	27.5 M.P.H.
	No.	TWO		MIN. RAD. CURVE WITHOUT GAUGE WIDENING	4 CHAINS
	TYPE OF SUSPENSION	NOSE	TANK CAPACITY	ENGINE FUEL	660 GALLS.
	TYPE OF GEAR DRIVE	DOUBLE REDUCTION			
PERFORMANCE	MAX. TRACTIVE EFFORT	24000 LBS. AT 22.2% ADHESION			
	CONT. TRACTIVE EFFORT	AT 980 AMPS. MAIN GENERATOR			
		AT 441 AMPS. MAIN GENERATOR			
	RAIL H.P. AT CONT. RATING	218 H.P.			

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

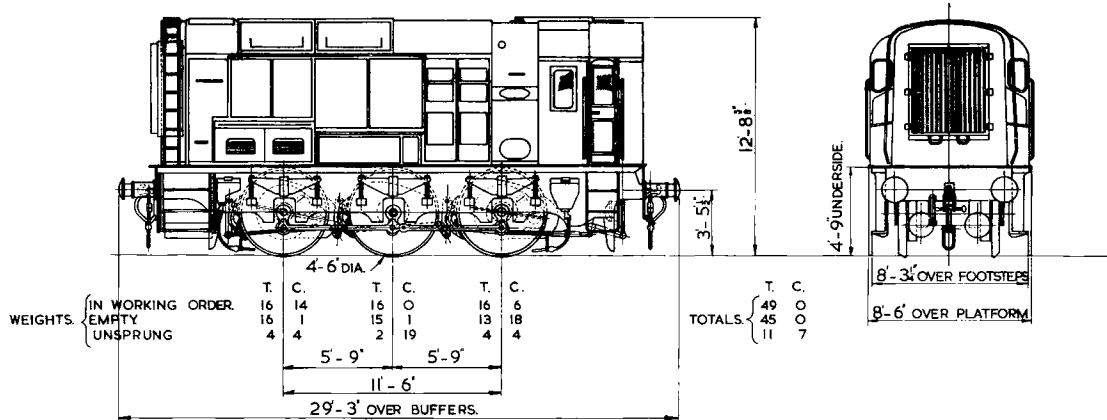


ENGINE.	{ MAKE & TYPE.	ENGLISH ELECTRIC 6.K.T.
	{ No. OF CYLS. & CYCLE.	6 CYLS. 4 STROKE.
MAIN GENERATOR.	{ MAX. CONT. RATED OUTPUT.	400 H.P. AT 680 R.P.M.
	{ MAKE & TYPE.	ENGLISH ELECTRIC 80I.
TRACTION MOTORS.	{ MAKE & TYPE.	ENGLISH ELECTRIC 506.
	{ No.	TWO.
	{ TYPE OF SUSPENSION.	NOSE.
	{ TYPE OF GEAR DRIVE.	DOUBLE REDUCTION.
PERFORMANCE.	{ MAX. TRACTIVE EFFORT.	35000 LB. AT 31.9% ADHESION
	{ CONT. TRACTIVE EFFORT.	AT 1200 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.

BRAKING.	{ TYPE { FOR LOCO.	AIR.
	{ FOR TRAIN.	VACUUM.
	{ BRAKE FORCE { % OF LOCO. WEIGHT	66.2%.
	{ IN WORKING ORDER.	
SPEED.	{ MAX. PERMITTED SERVICE SPEED.	20 M.P.H.
CURVE.	{ MIN. RAD. CURVE { WITHOUT GAUGE WIDENING.	3 CHAINS.
	{ AT DEAD SLOW SPEED.	
TANK CAPACITY. FUEL.		668 GALLS.

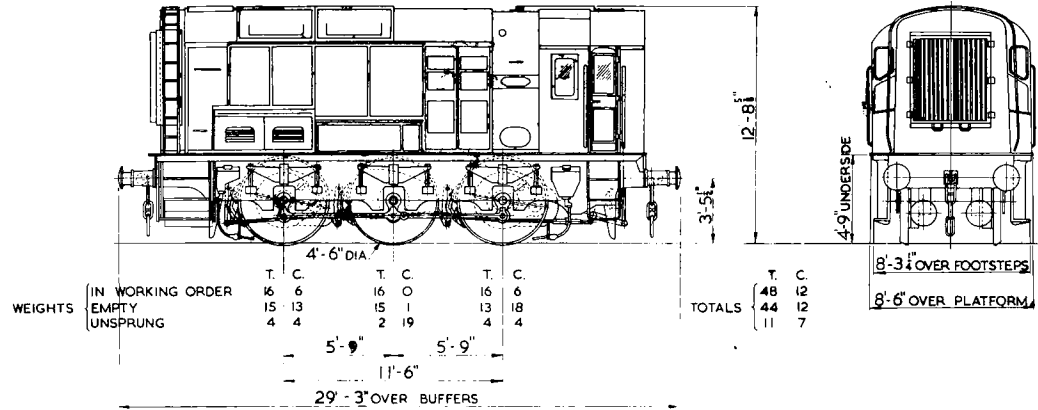
### 350 H.P. B.R. O-6-O DIESEL ELECTRIC SHUNTING LOCOMOTIVE.





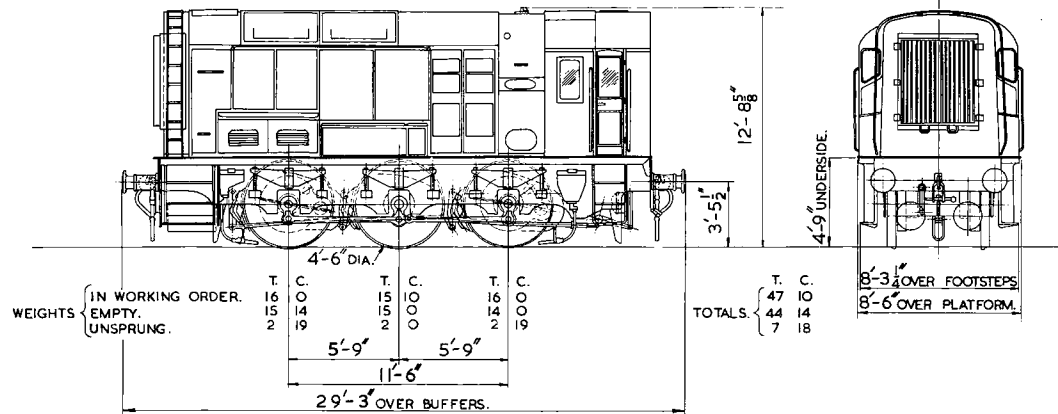
ENGINE.	{ MAKE & TYPE. No. OF CYLS. & CYCLE.	ENGLISH ELECTRIC 6.K.T. 6 CYLS. 4 STROKE.	BRAKING.	{ TYPE. { FOR LOCO. FOR TRAIN.	AIR. VACUUM.
MAIN GENERATOR.	{ MAX. CONT. RATED OUTPUT. MAKE & TYPE.	400 H.P. AT 680 R.P.M. ENGLISH ELECTRIC 80I.	SPEED.	{ BRAKE FORCE. { % OF LOCO. WEIGHT { IN WORKING ORDER.	66.2 %.
TRACTION MOTORS.	{ MAKE & TYPE. No. TYPE OF SUSPENSION. TYPE OF GEAR DRIVE.	ENGLISH ELECTRIC 506. TWO. NOSE. DOUBLE REDUCTION.	CURVE.	{ MAX. PERMITTED SERVICE SPEED. MIN. RAD. CURVE. { WITHOUT GAUGE WIDENING. AT DEAD SLOW SPEED.	27.5 M.P.H. 3 CHAINS.
PERFORMANCE.	{ MAX. TRACTIVE EFFORT. CONT. TRACTIVE EFFORT. RAIL H.P. AT CONT. RATING. FULL ENGINE OUTPUT.	25000 LB. AT 22.8% ADHESION AT 1000 AMPS. MAIN GENERATOR. 8700 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 GALLS.

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



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.	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.		CURVE.	MIN. RAD. CURVE	{ WITHOUT GAUGE WIDENING. AT DEAD SLOW SPEED.
TRACTION MOTORS.	MAKE & TYPE.	ENGLISH ELECTRIC 506		TANK CAPACITY.	FUEL.	668 GALLS.
	No.	TWO.				
	TYPE OF SUSPENSION.	NOSE.				
	TYPE OF GEAR DRIVE.	DOUBLE REDUCTION				
	MAX TRACTIVE EFFORT.	35000 LB. AT 32.1% 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.				

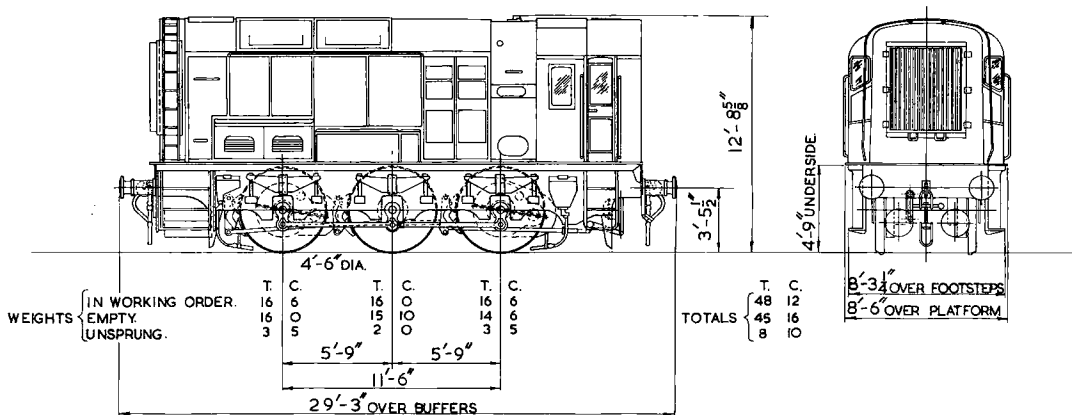
**350H.P. B.R. O-6-O DIESEL ELECTRIC SHUNTING LOCOMOTIVE.**



ENGINE.	{ MAKE & TYPE.	BLACKSTONE ER6.
	{ No. OF CYLS. & CYCLE.	6 CYLS. 4 STROKE.
MAIN GENERATOR.	{ MAX. CONT. RATED OUTPUT.	350 H.P. AT 750 R.P.M.
	{ MAKE & TYPE.	B.T.H. R.T.B. 8844.
TRACTION MOTORS.	{ MAKE & TYPE.	B.T.H. 119.
	{ No.	TWO.
	{ TYPE OF SUSPENSION.	NOSE.
	{ TYPE OF GEAR DRIVE	DOUBLE REDUCTION.
	{ MAX. TRACTIVE EFFORT	35000 L.B. AT 30-4% ADHESION
		AT 1000 AMPS. MAIN GENERATOR.
PERFORMANCE.	{ CONT. TRACTIVE EFFORT.	16250 L.B. AT 5.5 M.P.H.
	{ RAIL H.P. AT CONT. RATING.	240 H.P.
	{ FULL ENGINE OUTPUT.	AVAILABLE BETWEEN 2.2 & 8.3 M.P.H.

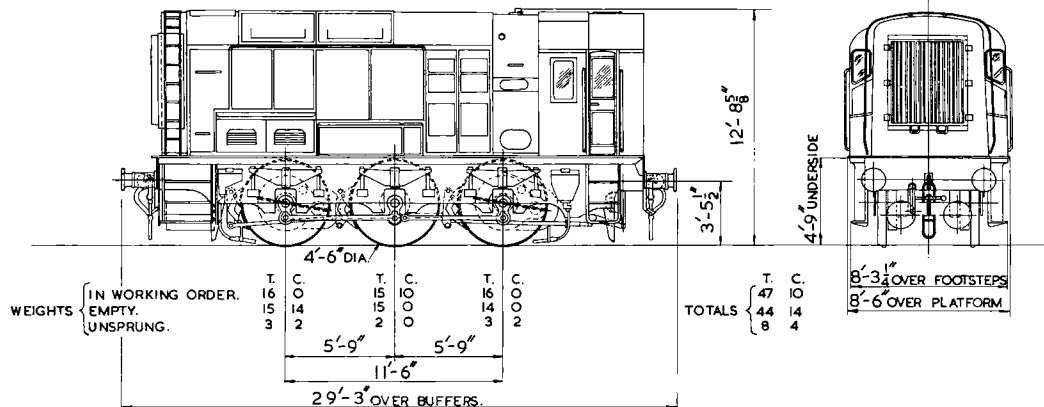
BRAKING.	{ TYPE { FOR LOCO.	AIR
	{ FOR TRAIN.	VACUUM
	{ BRAKE FORCE { % OF LOCO. WEIGHT	68.3%
	{ IN WORKING ORDER.	
SPEED.	{ MAX. PERMITTED SERVICE SPEED.	20 M.P.H.
CURVE.	{ MIN. RAD. CURVE { WITHOUT GAUGE WIDENING.	3 CHAINS.
	{ AT DEAD SLOW SPEED.	
TANK CAPACITY. FUEL.		668 GALLS.

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



ENGINE.	{ MAKE & TYPE. No. OF CYLS. & CYCLE.	BLACKSTONE ER6. 6 CYLS. 4 STROKE.	BRAKING.	{ TYPE { FOR LOCO. FOR TRAIN,	AIR VACUUM
MAIN GENERATOR.	{ MAX. CONT. RATED OUTPUT. MAKE & TYPE.	350 H.P. AT 750 R.P.M. G.E.C. W.T. 821.		{ BRAKE FORCE { % OF LOCO. WEIGHT IN WORKING ORDER.	66.7%
TRACTION MOTORS.	{ MAKE & TYPE. No. TYPE OF SUSPENSION. TYPE OF GEAR DRIVE. MAX. TRACTIVE EFFORT.	G.E.C. W.T. 360. TWO. NOSE. DOUBLE REDUCTION. 35000 LB. AT 31.1% ADHESION	SPEED.	MAX. PERMITTED SERVICE SPEED.	20 M.P.H.
			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.	12000 LB. AT 8.2 M.P.H. AT 550 AMPS. MAIN GENERATOR 265 H.P. AVAILABLE BETWEEN 1.9 & 7.2 M.P.H.	TANK CAPACITY. FUEL.		668 GALLS.

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



ENGINE.	{ MAKE & TYPE.	CROSSLEY ESNT6/825
	{ No. OF CYLS. & CYCLE.	6 CYLS. 2 STROKE.
	{ MAX. CONT. RATED OUTPUT.	350 H.P. AT 825 R.P.M.
MAIN GENERATOR.	{ MAKE & TYPE.	CP CG 214 AI.
	{ MAKE & TYPE.	CP C128 AI.
TRACTION MOTORS	{ No.	TWO.
	{ TYPE OF SUSPENSION.	NOSE.
	{ TYPE OF GEAR DRIVE.	DOUBLE REDUCTION.
	{ MAX. TRACTIVE EFFORT.	35000 LB. AT 30-4% ADHESION.
		AT 940 AMPS. MAIN GENERATOR.
PERFORMANCE.	{ CONT. TRACTIVE EFFORT.	14500 LB. AT 6.8 M.P.H.
		AT 492 AMPS MAIN GENERATOR
	{ RAIL H.P. AT CONT. RATING.	232 H.P.
	{ FULL ENGINE OUTPUT.	AVAILABLE BETWEEN 2.1 & 7.6 M.P.H.

BRAKING.	{ TYPE { FOR LOCO.	AIR
	{ FOR TRAIN.	VACUUM
	{ BRAKE FORCE { % OF LOCO. WEIGHT	68.3%
	{ IN WORKING ORDER	
SPEED.	{ MAX. PERMITTED SERVICE SPEED.	20 M.P.H.
CURVE.	{ MIN. RAD. CURVE { WITHOUT GAUGE WIDENING.	3 CHAINS.
	{ AT DEAD SLOW SPEED.	
TANK CAPACITY.	{ FUEL.	668 GALLS.

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