
British Railways Board

Mechanical & Electrical Engineering Department

VEHICLE DIAGRAM BOOK NO 220

FOR

Diesel Multiple Unit Trains (Railcars)

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

JULY 1982

Issued by:-

Director of Mechanical & Electrical Engineering
Railway Technical Centre
DERBY

REVISION RECORD

[illegible][illegible][illegible]

VEHICLE DIAGRAM BOOK NO 220

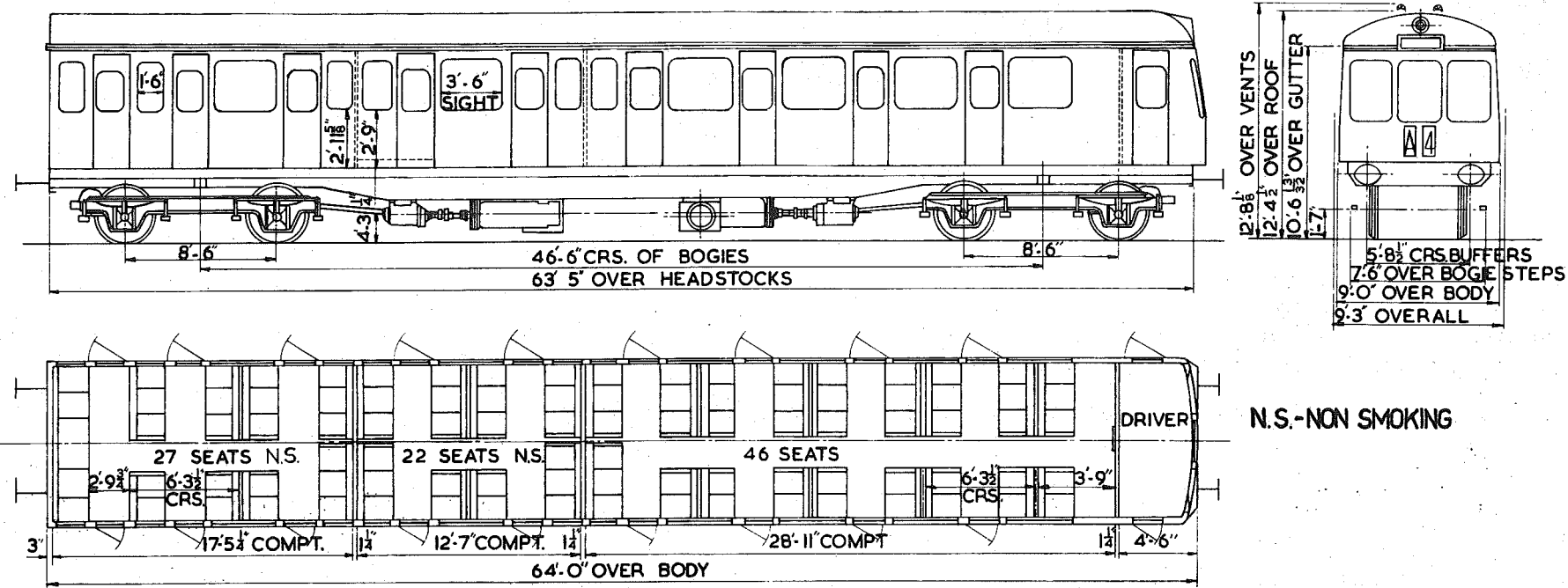
FOR

Diesel Multiple Unit Trains (Railcars)

SUMMARY OF CONTENTS

NOTE:- The contents of this book are arranged in alphabetical order, according to vehicle DESIGN CODE

DP	Driving Motor Second
DP	Driving Motor Composite
DQ	Driving Motor Brake First
DQ	Driving Motor Brake Second
DQ	Driving Motor Brake Composite
DR	Motor Brake Second
DS	Driving Trailer Second
DS	Driving Trailer Composite
DT	Trailer Second
DT	Trailer Composite
DU	Trailer Brake Second
DX	Driving Motor Luggage Van



SEATS	95
TOILETS	-
COMPARTMENTS	-
GUARDS COMPARTMENTS	-
VENTILATION	-
CATERING EQUIPMENT	-

ORIGINAL DIAGRAMS FOR REFERENCE:-
BR 554

ISSUE 3
DATE DEC 85

DP 201

BRAKES
BOGIE/SUSPENSION
BODY CONSTRUCTION
COUPLINGS
TRAIN HEATING
MAX.SPEED M.P.H.
MIN.RAD.CURVE CHAINS
LIGHTING
TARE WEIGHT TONNES
GANGWAYS
A.W.S.
MULTIPLE WORKING CODE SYMBOL
BUFFERS

BASIC TYPE

VACUUM
DD10 MK1 & MK 2(ONE OF EACH)
STEEL
SCREW
OIL BURNING AIR HEATER
70
3.5
TUNGSTEN
36.5
NOT FITTED
FITTED
BLUE SQUARE
SELF CONTAINED-559 DIA.OR 559 OVAL

ALTERNATIVES

FLUORESCENT & TUNGSTEN

TRACTION DATA FOR MULTIPLE UNITS

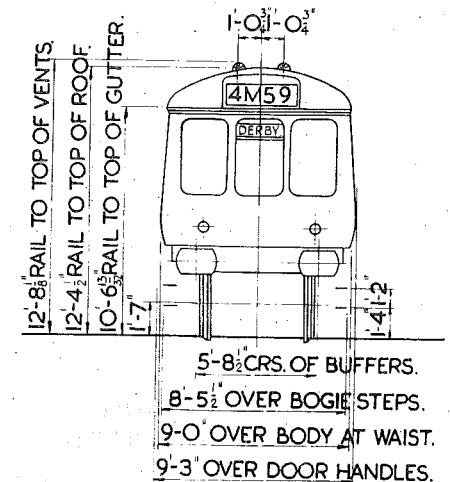
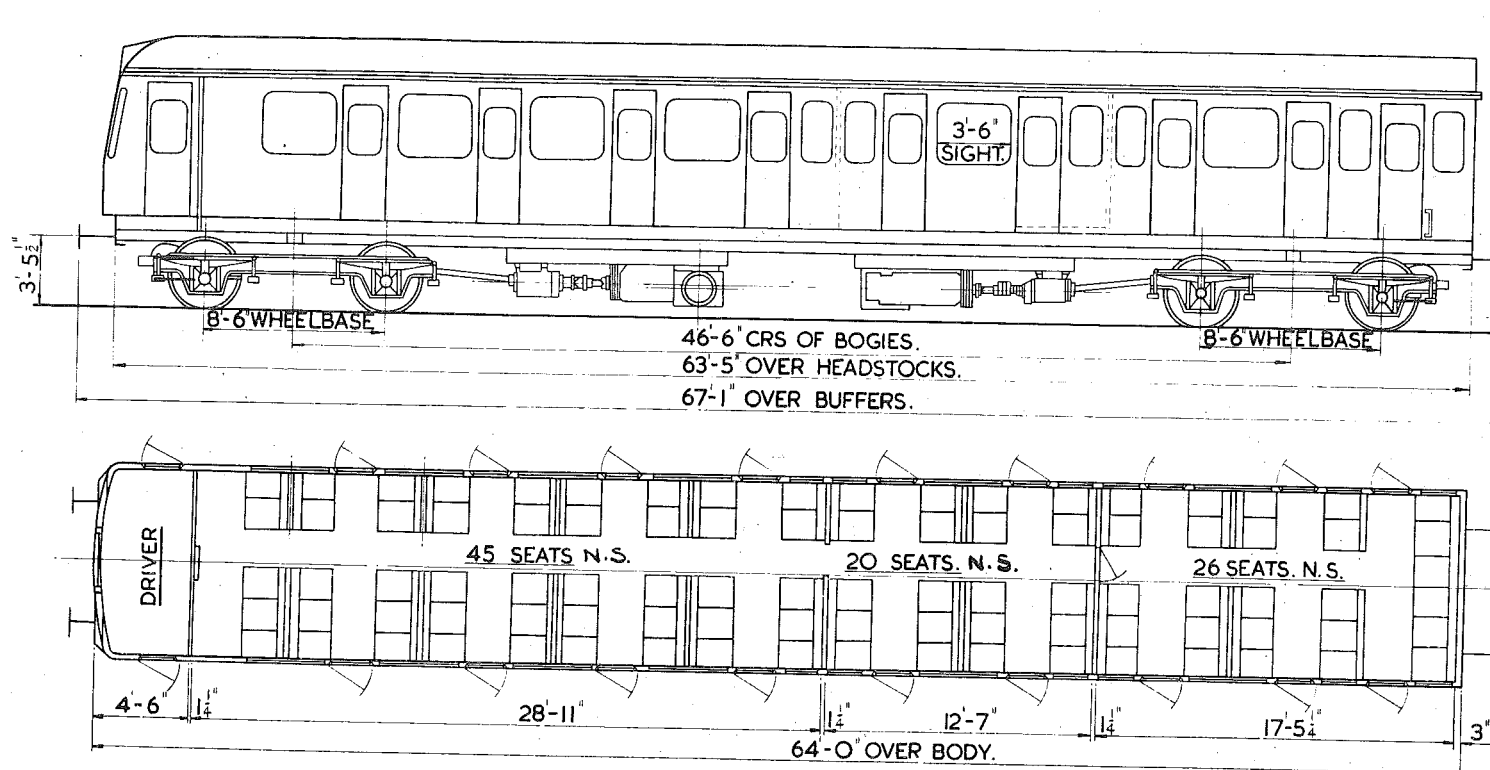
DMMU-BUILDER	BR DERBY
ENGINES	2 X 150 HP LEYLAND 6 CYL.HORIZONTAL
TRANSMISSION	MECHANICAL-CARDAN SHAFT & FREEWHEEL/4 SPEED EPICYCLIC GEARBOX/CARDAN SHAFT

BASIC TYPE

DP 201 1A

VARIANTS

2B REFURBISHED-FLUORESCENT & TUNGSTEN LIGHTING.



SEE BR 352 FOR MOD.N° MB.2531/2

N.S.- NON SMOKING.

NOTE: ELECTRIC TAIL LAMPS ARE FITTED TO THE FOLLOWING VEHICLES:- W.51413-W.51415 INCLUSIVE.

SEATS
TOILETS
COMPARTMENTS
GUARDS COMPARTMENTS
VENTILATION
CATERING EQUIPMENT

91
-
-
-
-
-

ORIGINAL DIAGRAMS FOR REFERENCE.-
BR 535

ISSUE 2 DATE MAY '81

DP 202

BRAKES
BOGIE/SUSPENSION
BODY CONSTRUCTION
COUPLINGS
TRAIN HEATING
MAX.SPEED M.P.H.
MIN.RAD.CURVE CHAINS
LIGHTING
TARE WEIGHT TONNES
GANGWAYS
A.V.S.
MULTIPLE WORKING CODE SYMBOL
BUFFERS

BASIC TYPE

VACUUM
DD10 MK 5 & MK6 (ONE OF EACH)
STEEL
SCREW
OIL BURNING AIR HEATER
70
3.5
FLUORESCENT & TUNGSTEN
36
NOT FITTED
FITTED
BLUE SQUARE
SELF CONTAINED-559 DIA.OR 559 OVAL

ALTERNATIVES

TRACTION DATA FOR MULTIPLE UNITS

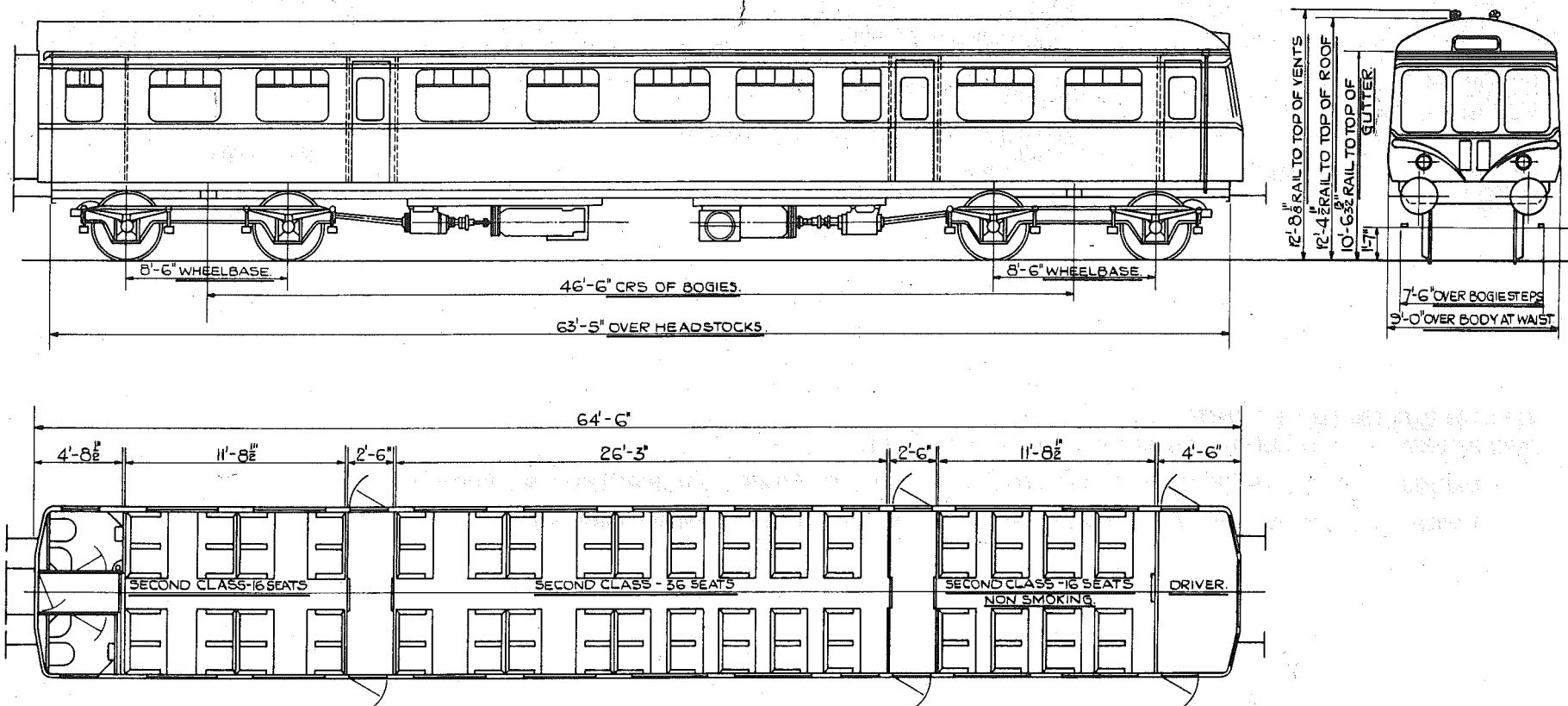
DMU-BUILDER BIRMINGHAM RAILWAY CARRIAGE AND WAGON CO.LTD.
ENGINES 2 X 150 HP LEYLAND 6 CYL.HORIZONTAL
TRANSMISSION MECHANICAL-CARDAN SHAFT & FREEWHEEL/4 SPEED EPICYCLIC GEARBOX/CARDAN SHAFT

BASIC TYPE

DP 202 1D-REFURBISHED

VARIANTS

NONE



SEATS	68
TOILETS	2
COMPARTMENTS	-
GUARDS COMPARTMENTS	-
VENTILATION	-
CATERING EQUIPMENT	-

ORIGINAL DIAGRAMS FOR REFERENCE.-
BR 541

ISSUE 1
DATE SEP' 80

DP 203

BRAKES
BOGIE/SUSPENSION
BODY CONSTRUCTION
COUPLINGS
TRAIN HEATING
MAX. SPEED M.P.H.
MIN. RAD. CURVE CHAINS
LIGHTING
TARE WEIGHT TONNES
GANGWAYS
A.V.S.
MULTIPLE WORKING CODE SYMBOL
BUFFERS
ENGINES

BASIC TYPE

VACUUM
DD10 MK 5 & MK 6 (ONE OF EACH)
STEEL
SCREW
OIL BURNING AIR HEATER
70
3.5
ELECTRIC
38.5
BRITISH STANDARD-MIDLAND SCISSORS TYPE
FITTED
BLUE SQUARE
SELF CONTAINED-559 DIA.
AEC

ALTERNATIVES

NOT FITTED

LEYLAND

TRACTION DATA FOR MULTIPLE UNITS

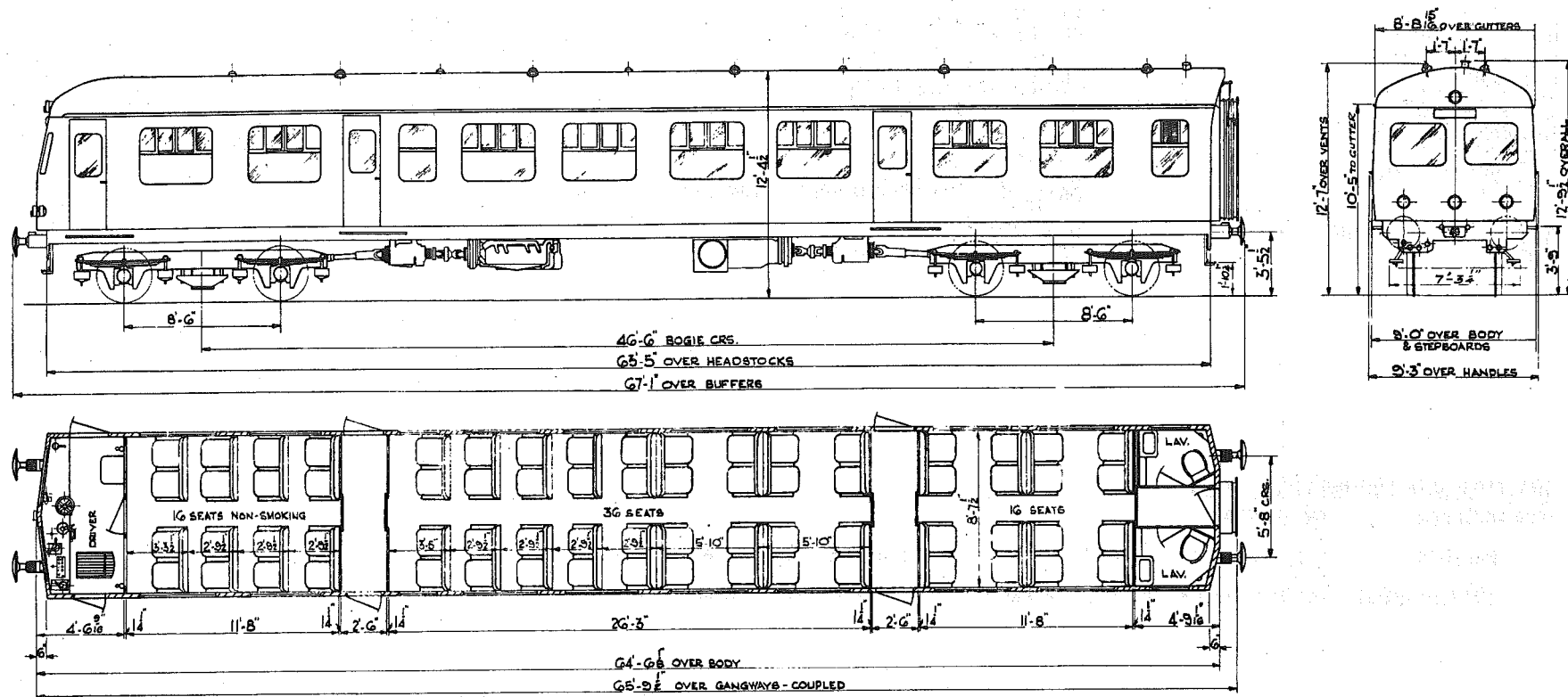
DMMU-BUILDER GLOUCESTER RAILWAY CARRIAGE & WAGON CO.LTD.
ENGINES 2 X 150 HP AEC 6 CYL.HORIZONTAL OR 2 X 150 HP LEYLAND 6 CYL.HORIZONTAL-SEE VARIANTS
TRANSMISSION MECHANICAL-CARDAN SHAFT & FREEWHEEL/4 SPEED EPICYCLIC GEARBOX/CARDAN SHAFT

BASIC TYPE

DP 203 0A

VARIANTS

OB A.V.S.NOT FITTED,LEYLAND ENGINES.



SEATS
TOILETS
COMPARTMENTS
GUARDS COMPARTMENTS
VENTILATION
CATERING EQUIPMENT

68
2
-
-
-
-

ORIGINAL DIAGRAMS FOR REFERENCE.-
BR 586

ISSUE
1

DATE
SEP' 80

DP 204

BASIC TYPE

BRAKES
BOGIE/SUSPENSION
BODY CONSTRUCTION
COUPLINGS
TRAIN HEATING
MAX.SPEED M.P.H.
MIN.RAD.CURVE CHAINS
LIGHTING
TARE WEIGHT TONNES
GANGWAYS
A.V.S.
MULTIPLE WORKING CODE SYMBOL
BUFFERS
ENGINES

VACUUM
DD1 MK 1 & MK 2 (ONE OF EACH)
STEEL
SCREW
OIL BURNING AIR HEATER
70
3.5
ELECTRIC
37
BRITISH STANDARD-V.R.SUSPENSION TYPE
FITTED
BLUE SQUARE
SELF CONTAINED-559 OVAL
AEC

ALTERNATIVES

FLUORESCENT & TUNGSTEN

LEYLAND

TRACTION DATA FOR MULTIPLE UNITS

DMMU-BUILDER

BR SWINDON

ENGINES

2 X 150 HP AEC 6 CYL.HORIZONTAL OR 2 X 150 HP LEYLAND 6 CYL.HORIZONTAL-SEE VARIANTS

TRANSMISSION

MECHANICAL-CARDAN SHAFT & FREEWHEEL/4 SPEED EPICYCLIC GEARBOX/CARDAN SHAFT

BASIC TYPE

DP 204 0A

VARIANTS

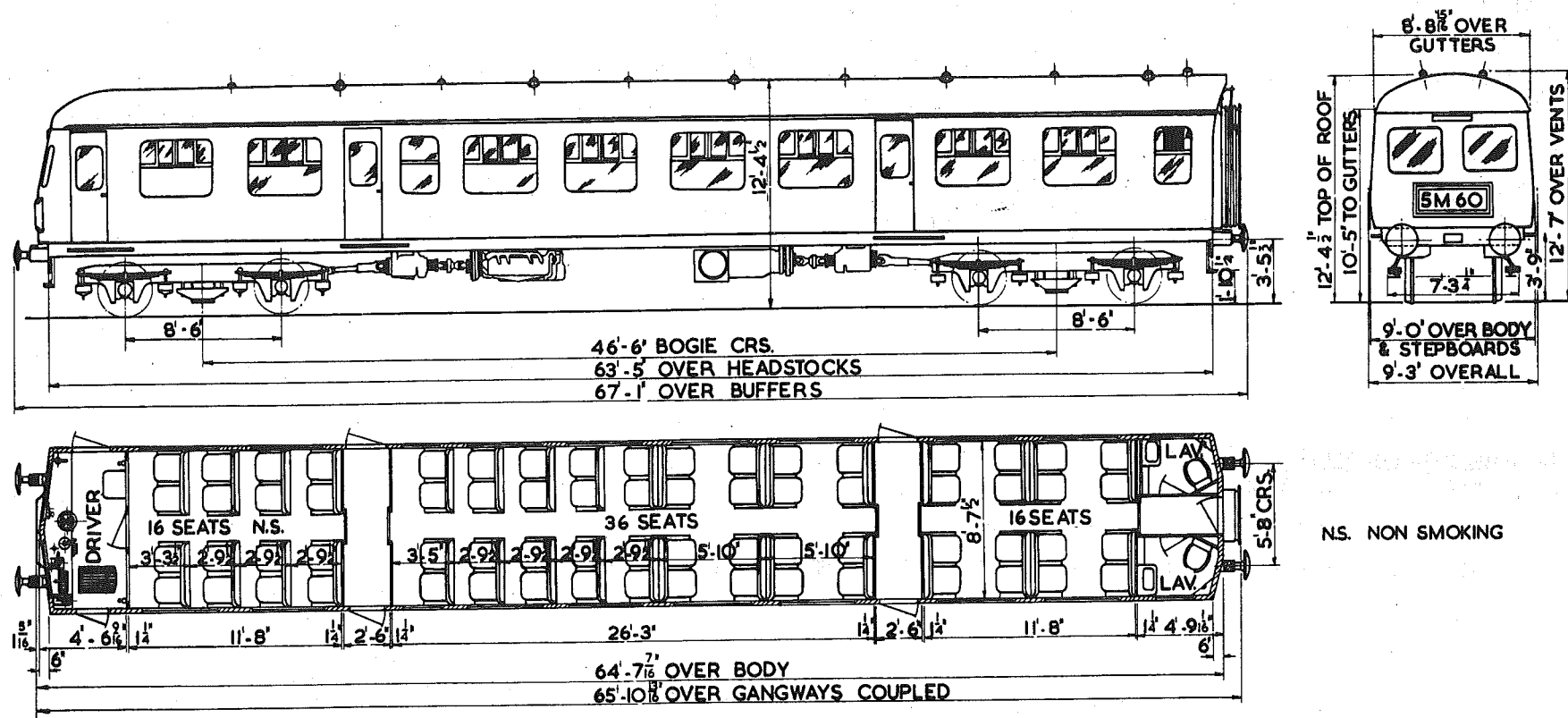
08 LEYLAND ENGINES.
1C REFURBISHED-FLUORESCENT & TUNGSTEN LIGHTING.

DRIVING MOTOR SECOND

CLASS 120

DMS

DP 205



N.S. NON SMOKING

SEATS	68
TOILETS	2
COMPARTMENTS	-
GUARDS COMPARTMENTS	-
VENTILATION	-
CATERING EQUIPMENT	-

ORIGINAL DIAGRAMS FOR REFERENCE.-
BR 637

ISSUE 1 DATE SEP' 80

DP 205

BASIC TYPE

BRAKES
BOGIE/SUSPENSION
BODY CONSTRUCTION
COUPLINGS
TRAIN HEATING
MAX.SPEED M.P.H.
MIN.RAD.CURVE CHAINS
LIGHTING
TARE WEIGHT TONNES
GANGWAYS
A.W.S.
MULTIPLE WORKING CODE SYMBOL
BUFFERS

VACUUM
DD2 MK 1 & MK 2 (ONE OF EACH)
STEEL
SCREW
OIL BURNING AIR HEATER
70
3.5
ELECTRIC
37.5
BRITISH STANDARD-W.R.SUSPENSION TYPE
FITTED
BLUE SQUARE
SELF CONTAINED-559 OVAL

ALTERNATIVES

TRACTION DATA FOR MULTIPLE UNITS

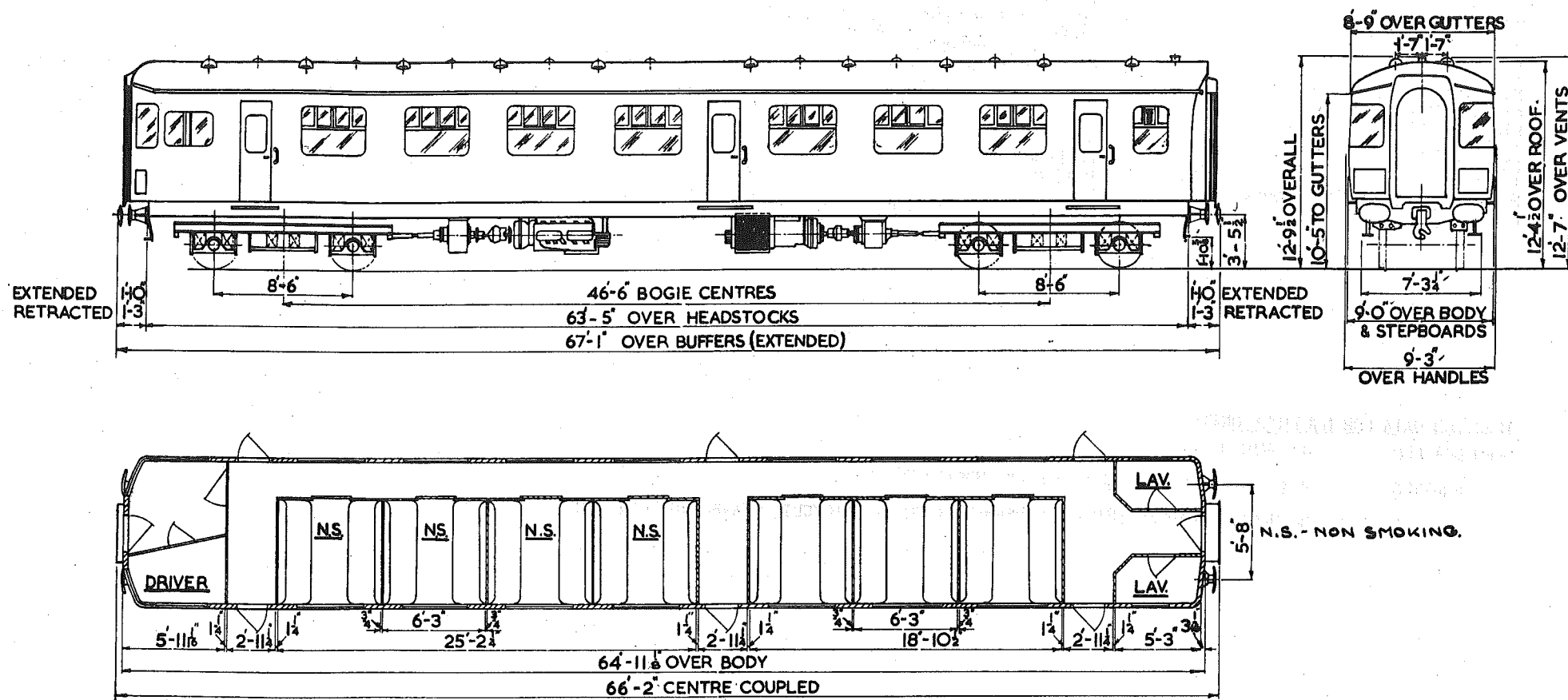
DMMU-BUILDER	BR SWINDON
ENGINES	2 X 150 HP AEC 6 CYL.HORIZONTAL
TRANSMISSION	MECHANICAL-CARDAN SHAFT & FREEWHEEL/4 SPEED EPICYCLIC GEARBOX/CARDAN SHAFT

BASIC TYPE

DP 205 0A

VARIANTS

NONE



SEATS	56
TOILETS	2
COMPARTMENTS	7
GUARDS COMPARTMENTS	-
VENTILATION	-
CATERING EQUIPMENT	-

ORIGINAL DIAGRAMS FOR REFERENCE, -
BR 574

ISSUE 1
DATE SEP' 80

DP 206

BASIC TYPE

ALTERNATIVES

BRAKES
BOGIE/SUSPENSION
BODY CONSTRUCTION
COUPLINGS
TRAIN HEATING
MAX. SPEED M.P.H.
MIN. RAD. CURVE CHAINS
LIGHTING
TARE WEIGHT TONNES
GANGWAYS
A.V.S.
MULTIPLE WORKING CODE SYMBOL
BUFFERS

VACUUM
DD4 MK 1 & MK 2 (ONE OF EACH)
STEEL
AUTOMATIC DROPHEAD (BUCKEYE)
OIL BURNING AIR HEATER
70
3.5
ELECTRIC
42
PULLMAN
FITTED
BLUE SQUARE
RETRACTABLE SPINDLE (559 X 356 OVAL)

TRACTION DATA FOR MULTIPLE UNITS

DMMU-BUILDER	BR SWINDON
ENGINES	2 X 230 HP LEYLAND ALBION 6 CYL. HORIZONTAL
TRANSMISSION	MECHANICAL-CARDAN SHAFT & FREEWHEEL/4 SPEED EPICYCLIC GEARBOX/CARDAN SHAFT

BASIC TYPE

DP 206 0A

VARIANTS

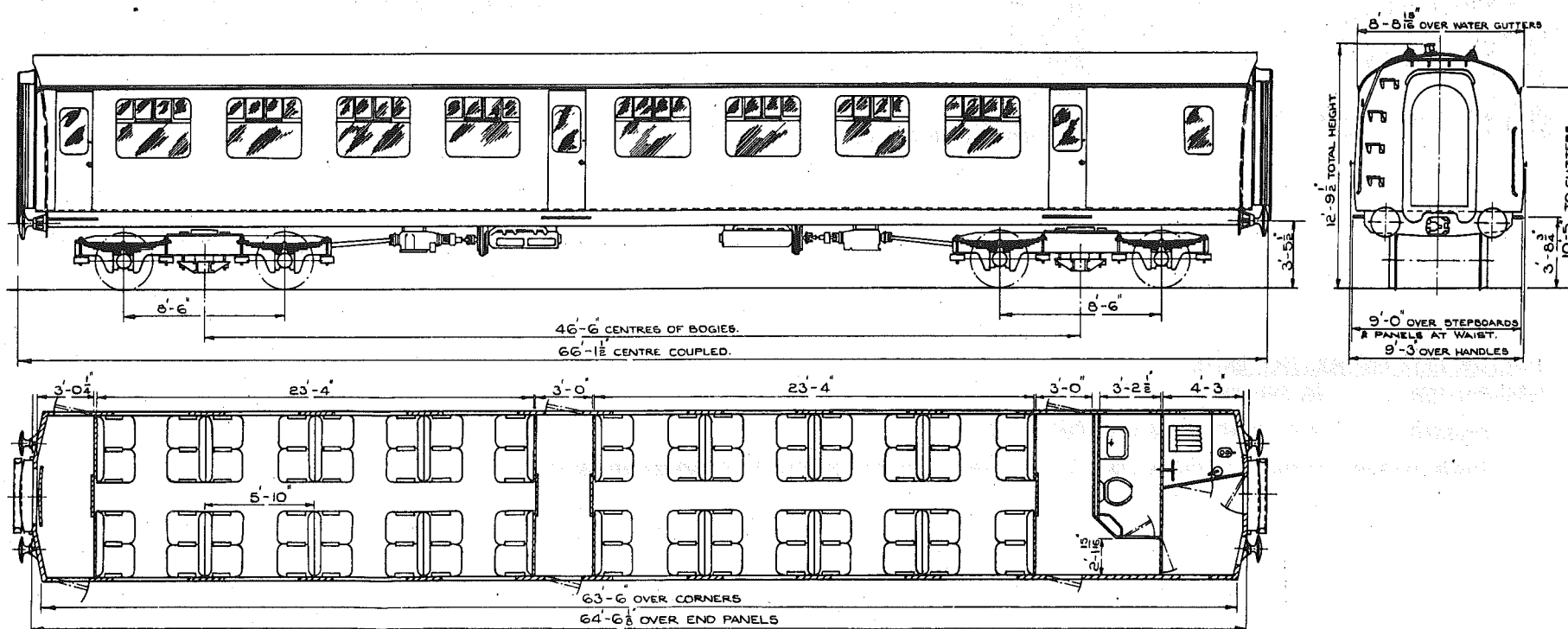
NONE

DRIVING MOTOR SECOND

CLASS 126

DMS

DP 208



SEATS	64
TOILETS	1
COMPARTMENTS	-
GUARDS COMPARTMENTS	-
VENTILATION	-
CATERING EQUIPMENT	-

ORIGINAL DIAGRAMS FOR REFERENCE.-
BR 551

ISSUE 1 DATE SEP' 80

DP 208

BASIC TYPE

BRAKES
BOGIE/SUSPENSION
BODY CONSTRUCTION
COUPLINGS
TRAIN HEATING
MAX. SPEED M.P.H.
MIN. RAD. CURVE CHAINS
LIGHTING
TARE WEIGHT TONNES
GANGWAYS
A.V.S.
MULTIPLE WORKING CODE SYMBOL
BUFFERS

VACUUM
DD1 MK 1
STEEL
AUTOMATIC DROPHEAD (BUCKEYE)
OIL BURNING AIR HEATER
70
3.5
ELECTRIC
39.5
PULLMAN
FITTED
BLUE SQUARE
SELF CONTAINED-457 DIA.

ALTERNATIVES

TRACTION DATA FOR MULTIPLE UNITS

DMMU-BUILDER BR SVINDON

ENGINES 2 X 150 HP AEC 6 CYL. HORIZONTAL

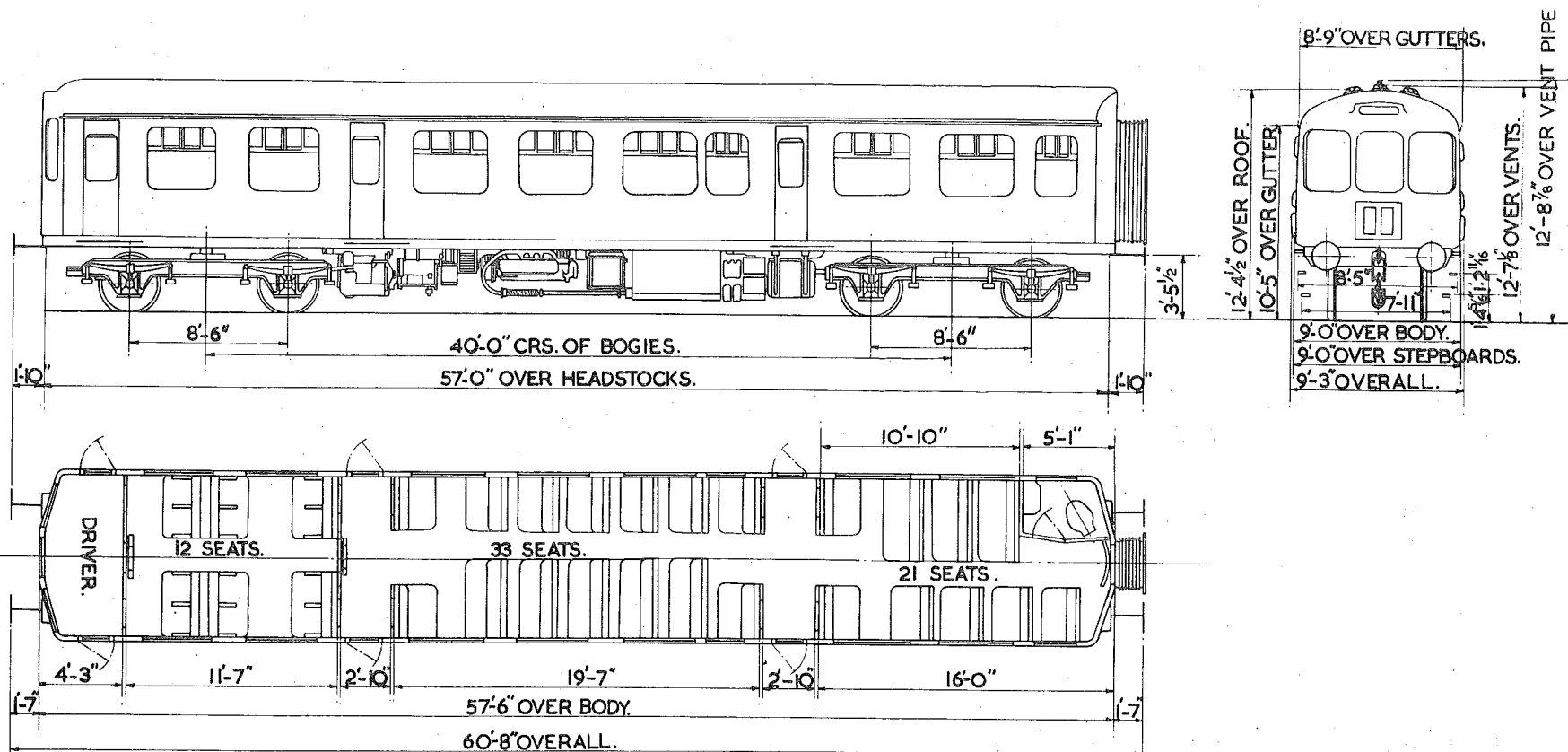
TRANSMISSION MECHANICAL-CARDAN SHAFT & FREEWHEEL/4 SPEED EPICYCLIC GEARBOX/CARDAN SHAFT

BASIC TYPE

DP 208 0A

VARIANTS

NONE



SEATS
TOILETS
COMPARTMENTS
GUARDS COMPARTMENTS
VENTILATION
CATERING EQUIPMENT

66
1
-
-
-
-

ORIGINAL DIAGRAMS FOR REFERENCE.-
BR 558

ISSUE
2

DATE
MAY '81

DP 209

BRAKES
BOGIE/SUSPENSION
BODY CONSTRUCTION
COUPLINGS
TRAIN HEATING
MAX. SPEED M.P.H.
MIN. RAD. CURVE CHAINS
LIGHTING
TARE WEIGHT TONNES
GANGWAYS
A.V.S.
MULTIPLE WORKING CODE SYMBOL
BUFFERS

BASIC TYPE

VACUUM
DD14 MK 1
STEEL
SCREW
OIL BURNING AIR HEATER
70
3.5
TUNGSTEN
31.5
BRITISH STANDARD-MIDLAND SCISSORS TYPE
NOT FITTED
BLUE SQUARE
SELF CONTAINED-457 DIA.

ALTERNATIVES

FITTED

TRACTION DATA FOR MULTIPLE UNITS

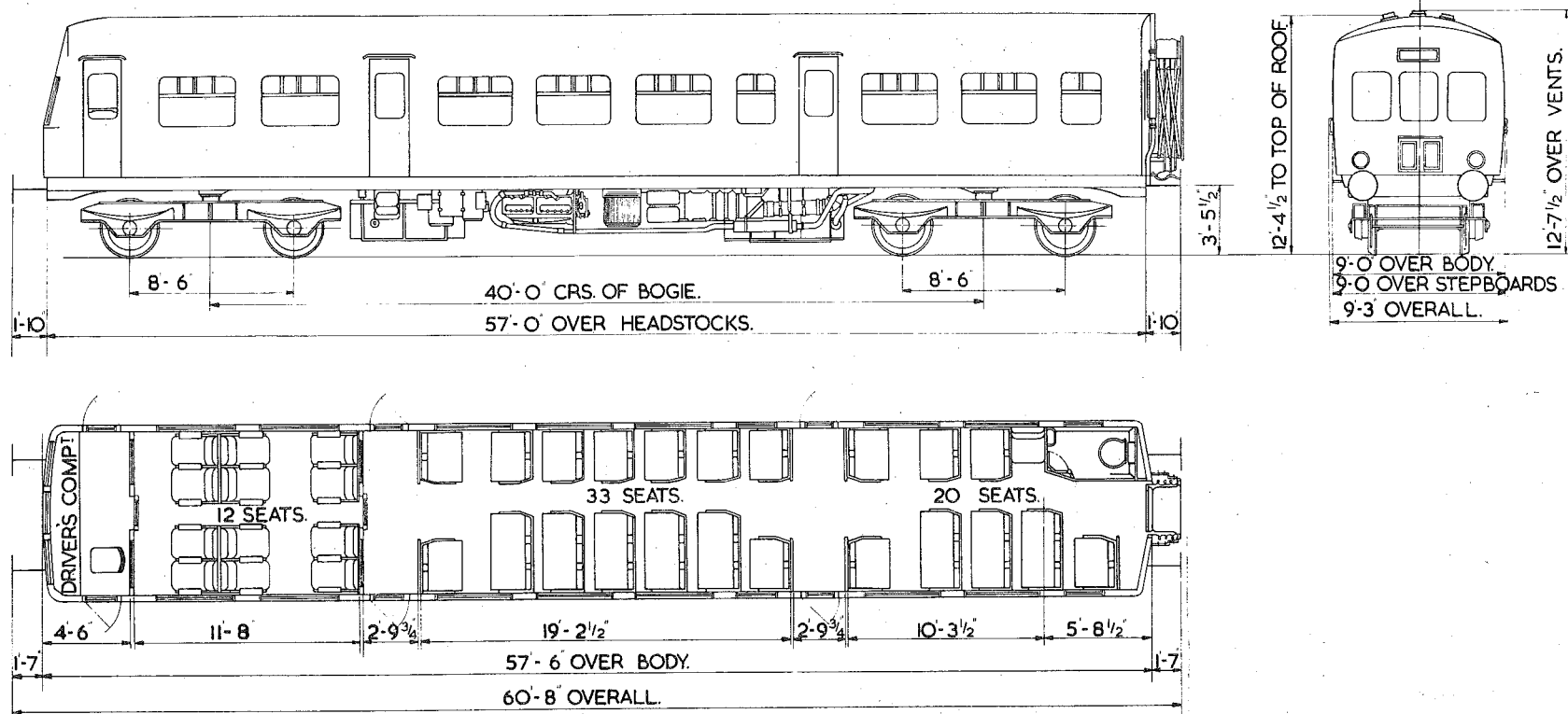
DMU-BUILDER BIRMINGHAM RAILWAY CARRIAGE & WAGON CO.LTD.
ENGINES 2 X 150 HP LEYLAND 6 CYL.HORIZONTAL
TRANSMISSION MECHANICAL-CARDAN SHAFT & FREEWHEEL/4 SPEED EPICYCLIC GEARBOX/CARDAN SHAFT

BASIC TYPE

DP 209 0A

VARIANTS

1A A.V.S.FITTED



SEATS	65
TOILETS	1
COMPARTMENTS	-
GUARDS COMPARTMENTS	-
VENTILATION	-
CATERING EQUIPMENT	-

ORIGINAL DIAGRAMS FOR REFERENCE.-
BR 621

ISSUE DATE
2 MAY 81

DP 210

BRAKES
BOGIE/SUSPENSION
BODY CONSTRUCTION
COUPLINGS
TRAIN HEATING
MAX. SPEED M.P.H.
MIN. RAD. CURVE CHAINS
LIGHTING
TARE WEIGHT TONNES
GANGWAYS
A.V.S.
MULTIPLE WORKING CODE SYMBOL
BUFFERS
ENGINES

BASIC TYPE

VACUUM
DD15 MK 2
STEEL
SCREW
OIL BURNING AIR HEATER
70
3.5
TUNGSTEN
32.5
BRITISH STANDARD-MIDLAND SCISSORS TYPE
NOT FITTED
BLUE SQUARE
SELF CONTAINED-457 DIA.
AEC

ALTERNATIVES

DD15 MK 3

FLUORESCENT & TUNGSTEN

FITTED

LEYLAND

TRACTION DATA FOR MULTIPLE UNITS

DMMU-BUILDER METROPOLITAN CAMELL

ENGINES 2 X 150 HP AEC 6 CYL. HORIZONTAL OR 2 X 150 HP LEYLAND 6 CYL. HORIZONTAL-SEE VARIANTS

TRANSMISSION MECHANICAL-CARDAN SHAFT & FREEWHEEL/4 SPEED EPICYCLIC GEARBOX/CARDAN SHAFT

BASIC TYPE

DP 210 0A

VARIANTS

1B LEYLAND ENGINES, A.V.S. FITTED.

1C A.V.S. FITTED.

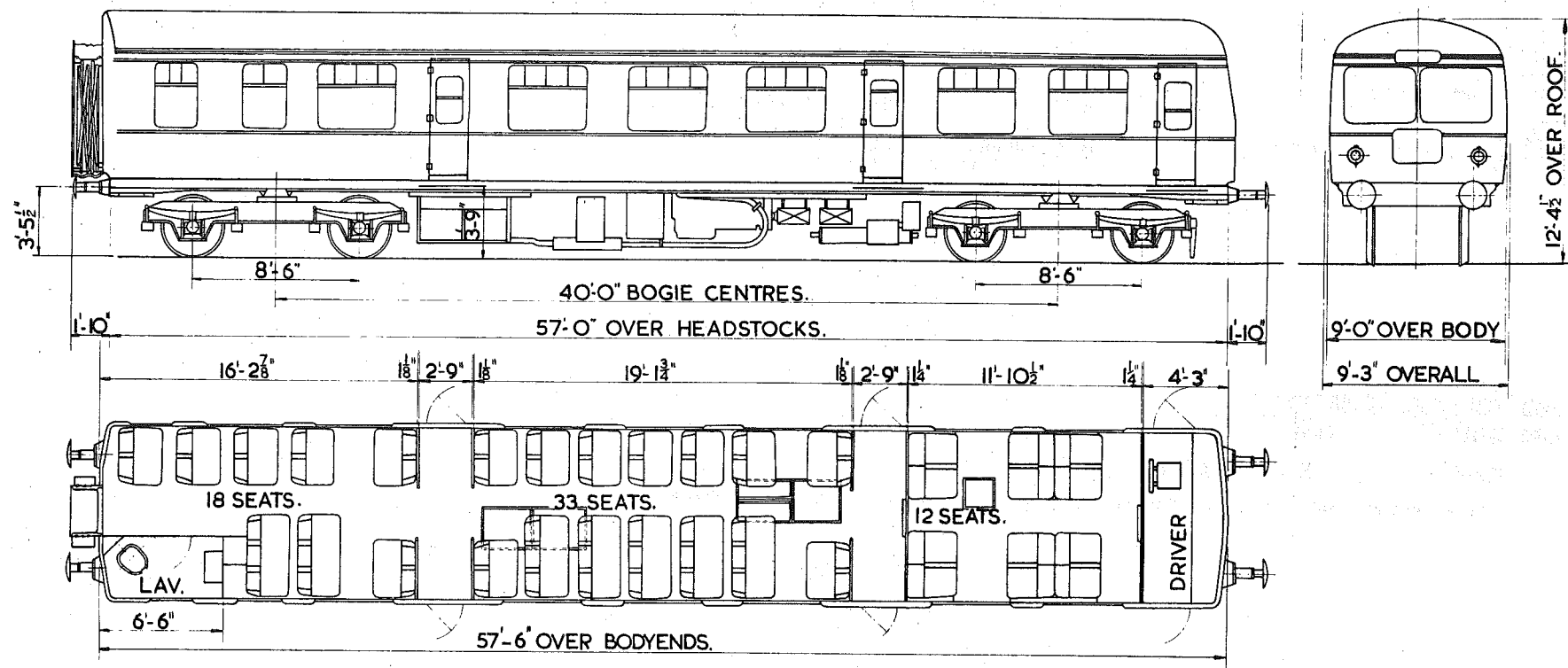
1D LEYLAND ENGINES, A.V.S. FITTED, DD15 MK 3 BOGIES.

2E REFURBISHED-FLUORESCENT & TUNGSTEN LIGHTING, A.V.S. FITTED.

2F REFURBISHED-FLUORESCENT & TUNGSTEN LIGHTING, A.V.S. FITTED, DD15 MK 3 BOGIES, LEYLAND ENGINES

2G REFURBISHED-FLUORESCENT & TUNGSTEN LIGHTING, A.V.S. FITTED, DD15 MK 3 BOGIES.

2H REFURBISHED-FLUORESCENT & TUNGSTEN LIGHTING, A.V.S. FITTED, LEYLAND ENGINES.



SEATS	63
TOILETS	1
COMPARTMENTS	-
GUARDS COMPARTMENTS	-
VENTILATION	-
CATERING EQUIPMENT	-

ORIGINAL DIAGRAMS FOR REFERENCE.-
BR 529

ISSUE 1
DATE SEP' 80

DP 211

BRAKES
BOGIE/SUSPENSION
BODY CONSTRUCTION
COUPLINGS
TRAIN HEATING
MAX. SPEED M.P.H.
MIN. RAD. CURVE CHAINS
LIGHTING
TARE WEIGHT TONNES
GANGWAYS
A.V.S.
MULTIPLE WORKING CODE SYMBOL
BUFFERS

BASIC TYPE

VACUUM
DD8 MK 1
STEEL
SCREW
OIL BURNING AIR HEATER
70
3.5
ELECTRIC
30
BRITISH STANDARD-MIDLAND SCISSORS TYPE
NOT FITTED
BLUE SQUARE
SELF CONTAINED-457 DIA.

ALTERNATIVES

TRACTION DATA FOR MULTIPLE UNITS

DMMU-BUILDER	CRAVENS
ENGINES	2 X 150 HP AEC 6 CYL. HORIZONTAL
TRANSMISSION	MECHANICAL-CARDAN SHAFT & FREEWHEEL/4 SPEED EPICYCLIC GEARBOX/CARDAN SHAFT

BASIC TYPE

DP 211 0A

VARIANTS

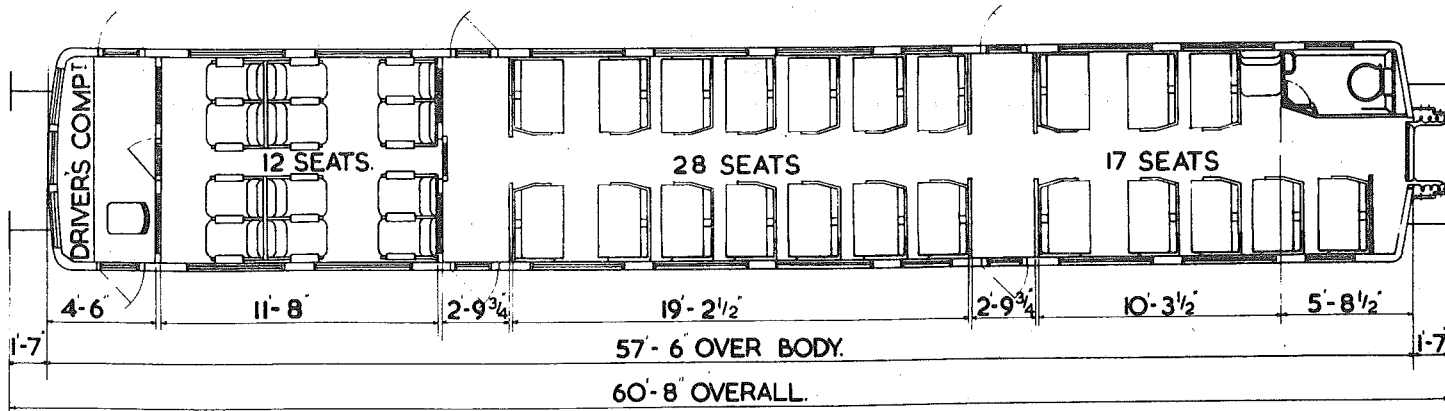
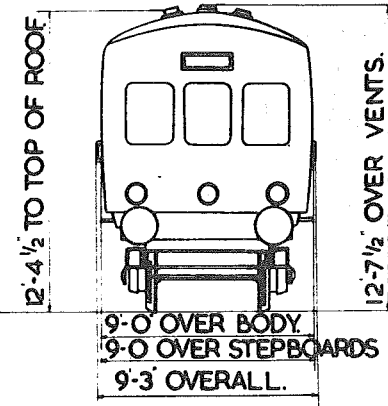
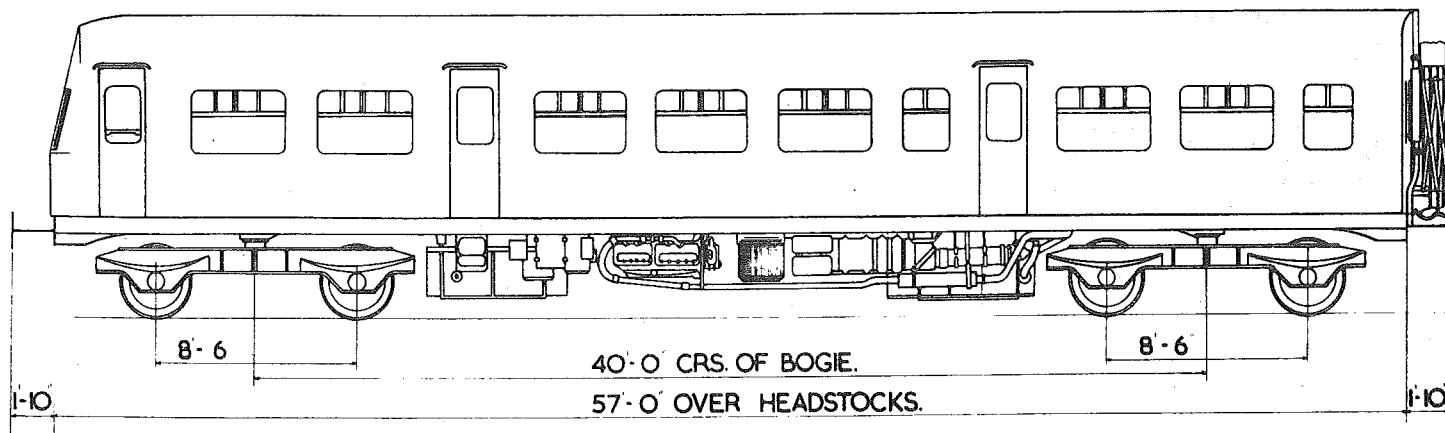
NONE

DRIVING MOTOR SECOND

CLASS 101

DMS

DP 212



SEATS	57
TOILETS	1
COMPARTMENTS	-
GUARDS COMPARTMENTS	-
VENTILATION	-
CATERING EQUIPMENT	-

ORIGINAL DIAGRAMS FOR REFERENCE:-
BR 618

ISSUE 2 DATE DEC '82

DP 212

BRAKES
BOGIE/SUSPENSION
BODY CONSTRUCTION
COUPLINGS
TRAIN HEATING
MAX.SPEED M.P.H.
MIN.RAD.CURVE CHAINS
LIGHTING
TARE WEIGHT TONNES
GANGWAYS
A.W.S.
MULTIPLE WORKING CODE SYMBOL
BUFFERS
ENGINES

BASIC TYPE

VACUUM
DD15 MK 2
STEEL
SCREW
OIL BURNING AIR HEATER
70
3.5
TUNGSTEN
32.5
BRITISH STANDARD-MIDLAND SCISSORS TYPE
FITTED
BLUE SQUARE
SELF CONTAINED-457 DIA.
AEC

ALTERNATIVES

FLUORESCENT & TUNGSTEN

LEYLAND

TRACTION DATA FOR MULTIPLE UNITS

DMU-BUILDER METROPOLITAN CAMELL

ENGINES 2 X 150 HP AEC 6 CYL.HORIZONTAL OR 2 X 150 HP LEYLAND 6 CYL.HORIZONTAL-SEE VARIANTS

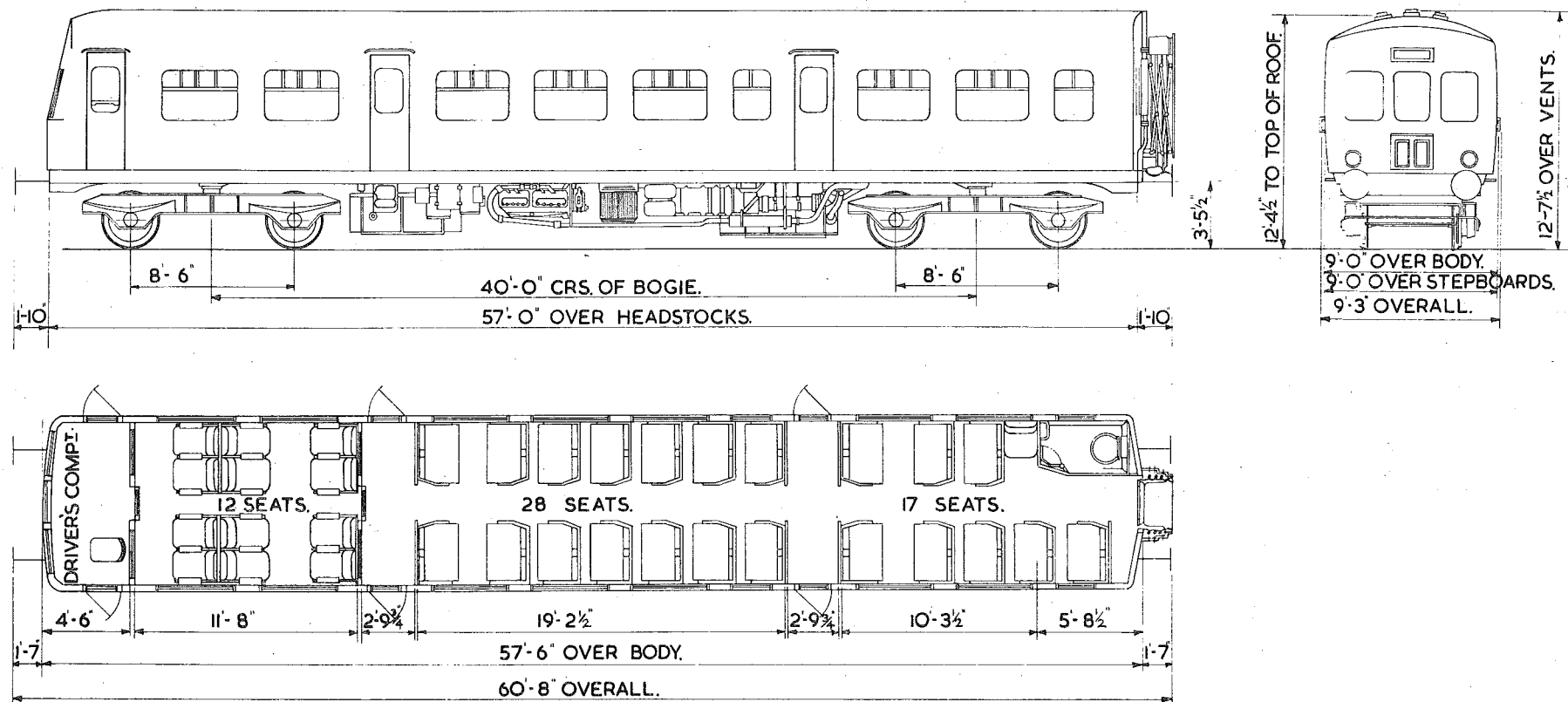
TRANSMISSION MECHANICAL-CARDAN SHAFT & FREEWHEEL/4 SPEED EPICYCLIC GEARBOX/CARDAN SHAFT

BASIC TYPE

DP 212 OA

VARIANTS

2B REFURBISHED-FLUORESCENT & TUNGSTEN LIGHTING
2C REFURBISHED-FLUORESCENT & TUNGSTEN LIGHTING,LEYLAND ENGINES.



SEATS
TOILETS
COMPARTMENTS
GUARDS COMPARTMENTS
VENTILATION
CATERING EQUIPMENT

57
1
-
-
-
-

ORIGINAL DIAGRAMS FOR REFERENCE.-
BR 619

ISSUE DATE
2 JULY 81

DP 213

BRAKES
BOGIE/SUSPENSION
BODY CONSTRUCTION
COUPLINGS
TRAIN HEATING
MAX. SPEED M.P.H.
MIN. RAD. CURVE CHAINS
LIGHTING
TARE WEIGHT TONNES
GANGWAYS
A.V.S.
MULTIPLE WORKING CODE SYMBOL
BUFFERS
ENGINES

BASIC TYPE

VACUUM
DD15 MK 2
STEEL
SCREW
OIL BURNING AIR HEATER
70
3.5
TUNGSTEN
32
BRITISH STANDARD-MIDLAND SCISSORS TYPE
FITTED
BLUE SQUARE
SELF CONTAINED-457 DIA.
AEC

ALTERNATIVES

FLUORESCENT & TUNGSTEN

LEYLAND

TRACTION DATA FOR MULTIPLE UNITS

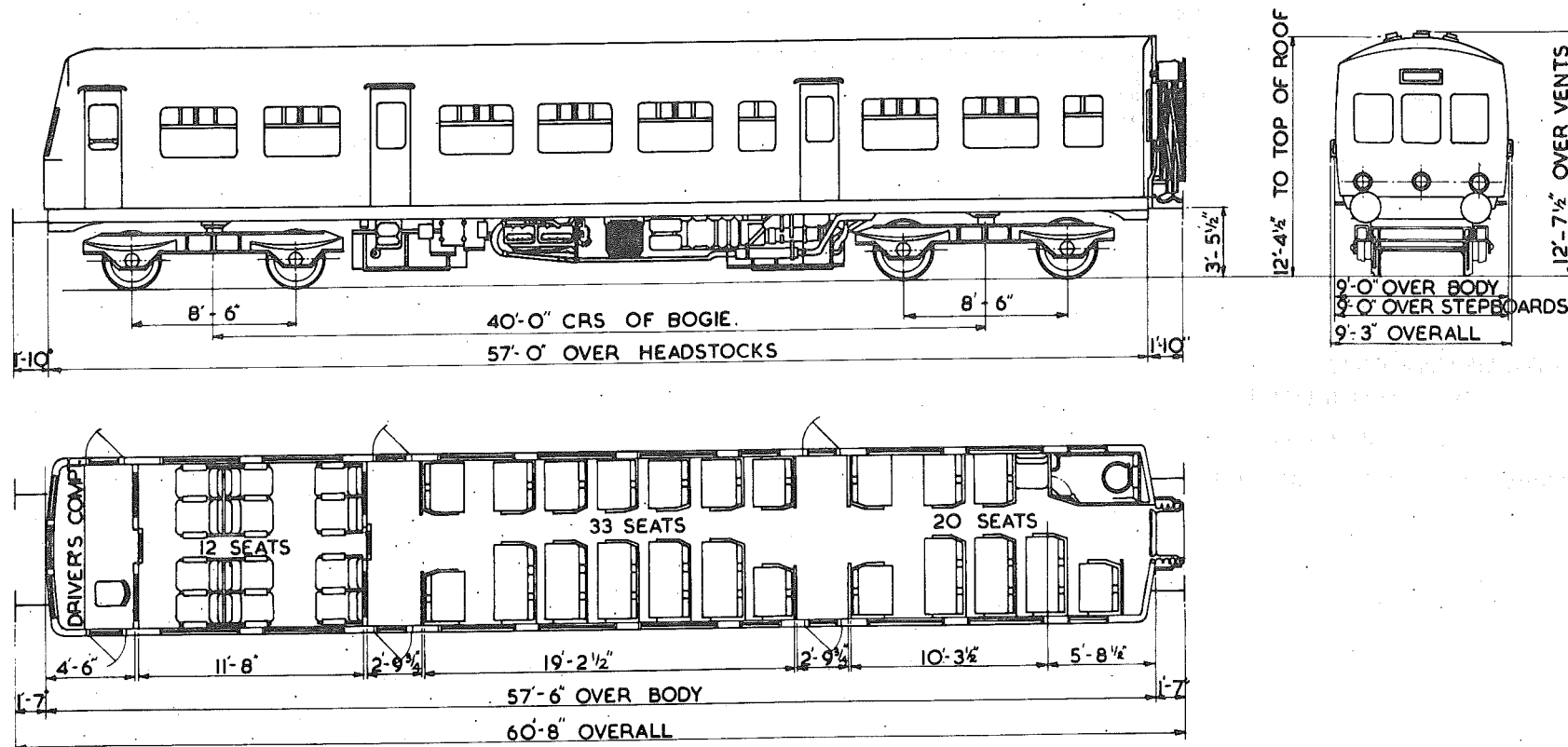
DMU-BUILDER	METROPOLITAN CAMMELL
ENGINES	2 X 150 HP AEC OR LEYLAND 6 CYD. HORIZONTAL. SEE VARIANTS
TRANSMISSION	MECHANICAL-CARDAN SHAFT & FREEWHEEL/4 SPEED EPICYCLIC GEARBOX/CARDAN SHAFT

BASIC TYPE

DP 213 0A

VARIANTS

1B REFURBISHED-FLUORESCENT & TUNGSTEN LIGHTING.
1C REFURBISHED-FLUORESCENT & TUNGSTEN LIGHTING, LEYLAND ENGINES.



SEATS	65
TOILETS	1
COMPARTMENTS	-
GUARDS COMPARTMENTS	-
VENTILATION	-
CATERING EQUIPMENT	-

ORIGINAL DIAGRAMS FOR REFERENCE:-
BR 620

ISSUE 3
DATE AUG '82

BRAKES
 BOGIE/SUSPENSION
 BODY CONSTRUCTION
 COUPLINGS
 TRAIN HEATING
 MAX.SPEED M.P.H.
 MIN.RAD.CURVE CHAINS
 LIGHTING
 TARE WEIGHT TONNES
 GANGWAYS
 A.W.S.
 MULTIPLE WORKING CODE SYMBOL
 BUFFERS
 ENGINES

BASIC TYPE

VACUUM
 DD15 MK 2
 STEEL
 SCREW
 OIL BURNING AIR HEATER
 70
 3.5
 TUNGSTEN
 32.5
 BRITISH STANDARD-MIDLAND SCISSORS TYPE
 FITTED
 BLUE SQUARE
 SELF CONTAINED-457 DIA.
 AEC

ALTERNATIVES

FLUORESCENT & TUNGSTEN

LEYLAND

TRACTION DATA FOR MULTIPLE UNITS

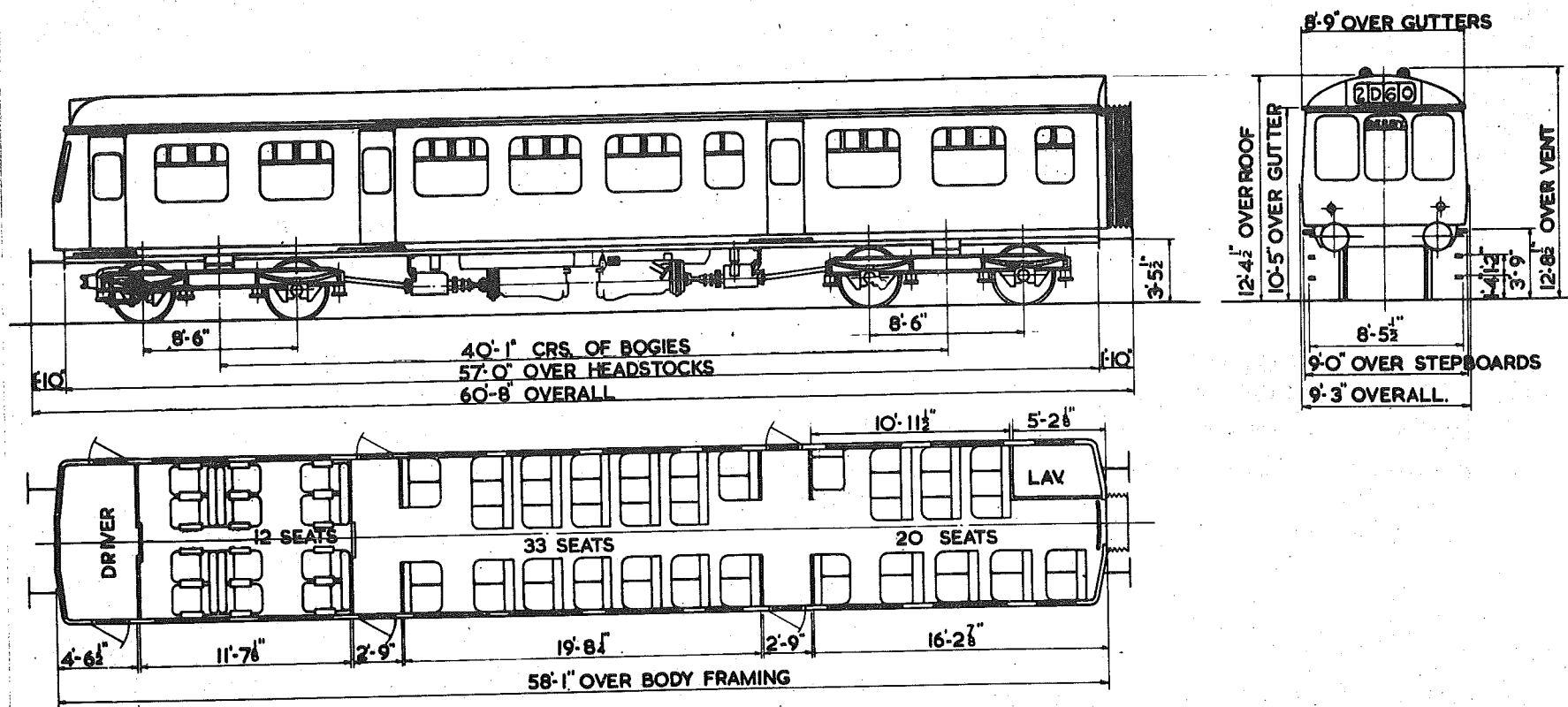
DMU-BUILDER	METROPOLITAN CAMELL
ENGINES	2 X 150 HP AEC OR LEYLAND 6 CYD.HORIZONTAL. SEE VARIANTS
TRANSMISSION	MECHANICAL-CARDAN SHAFT & FREEWHEEL/4 SPEED EPICYCLIC GEARBOX/CARDAN SHAFT

BASIC TYPE

DP 214 1A

VARIANTS

2B REFURBISHED-FLUORESCENT & TUNGSTEN LIGHTING.
 2C REFURBISHED-FLUORESCENT & TUNGSTEN LIGHTING,LEYLAND ENGINES.



SEATS	65
TOILETS	1
COMPARTMENTS	-
GUARDS COMPARTMENTS	-
VENTILATION	-
CATERING EQUIPMENT	-

ORIGINAL DIAGRAMS FOR REFERENCE:-
BR 649

ISSUE
5

DATE
DEC 85

DP 215

BRAKES
BOGIE/SUSPENSION
BODY CONSTRUCTION
COUPLINGS
TRAIN HEATING
MAX.SPEED M.P.H.
MIN.RAD.CURVE CHAINS
LIGHTING
TARE WEIGHT TONNES
GANGWAYS
A.W.S.
MULTIPLE WORKING CODE SYMBOL
BUFFERS
ENGINE

BASIC TYPE

VACUUM
DD10 MK 7
STEEL
SCREW
OIL BURNING AIR HEATER
70
3.5
TUNGSTEN
35.5
BRITISH STANDARD-MIDLAND SCISSORS TYPE
NOT FITTED
BLUE SQUARE
SELF CONTAINED-457 DIA.
LEYLAND

ALTERNATIVES

FLUORESCENT & TUNGSTEN

TRACTION DATA FOR MULTIPLE UNITS

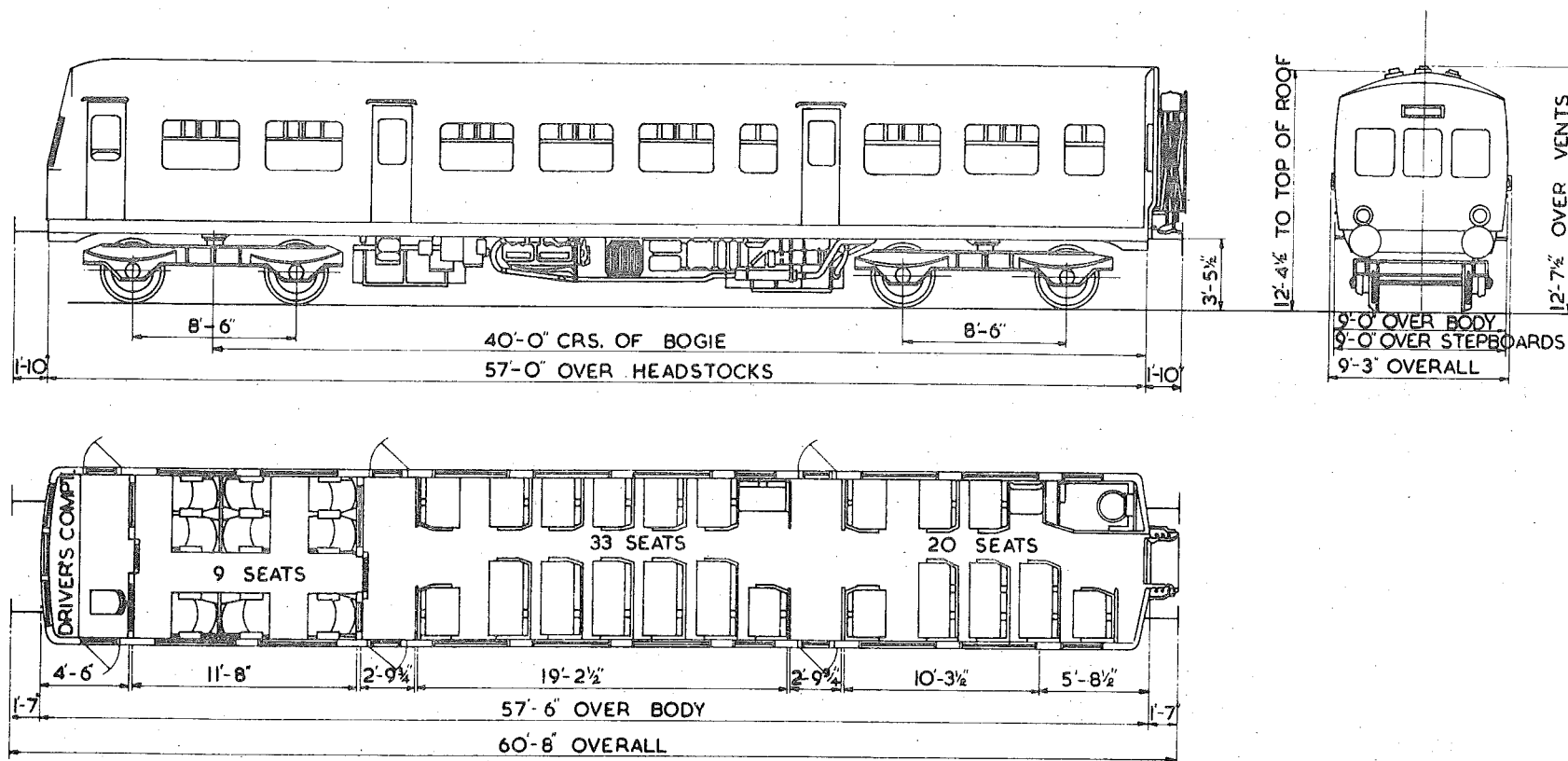
DMMU-BUILDER	BR DERBY
ENGINES	2 X 150 HP AEC OR LEYLAND 6 CYL.HORIZONTAL-SEE VARIANTS
TRANSMISSION	MECHANICAL-CARDAN SHAFT & FREEWHEEL/4 SPEED EPICYCLIC GEARBOX/CARDAN SHAFT

BASIC TYPE

DP 215 OC

VARIANTS

1C REFURBISHED-FLUORESCENT & TUNGSTEN LIGHTING.



SEATS
TOILETS
COMPARTMENTS
GUARDS COMPARTMENTS
VENTILATION
CATERING EQUIPMENT

62
1
-
-
-

ORIGINAL DIAGRAMS FOR REFERENCE. -
BR 690

ISSUE
2

DATE
MAY 81

DP 216

BRAKES
BOGIE/SUSPENSION
BODY CONSTRUCTION
COUPLINGS
TRAIN HEATING
MAX. SPEED M.P.H.
MIN. RAD. CURVE CHAINS
LIGHTING
TARE WEIGHT TONNES
GANGWAYS
A.V.S.
MULTIPLE WORKING CODE SYMBOL
BUFFERS

BASIC TYPE

VACUUM
DD15 MK 3
STEEL
SCREW
OIL BURNING AIR HEATER
70
3.5
FLUORESCENT & TUNGSTEN
32.5
BRITISH STANDARD-MIDLAND SCISSORS TYPE
FITTED
BLUE SQUARE
SELF CONTAINED-457 DIA.

ALTERNATIVES

TRACTION DATA FOR MULTIPLE UNITS

DMMU-BUILDER	METROPOLITAN CAMELL
ENGINES	2 X 150 HP LEYLAND 6 CYL. HORIZONTAL
TRANSMISSION	MECHANICAL-CARDAN SHAFT & FREEWHEEL/4 SPEED EPICYCLIC GEARBOX/CARDAN SHAFT

BASIC TYPE

DP 216 2B-REFURBISHED

VARIANTS

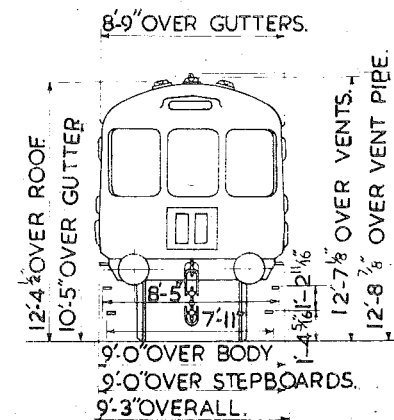
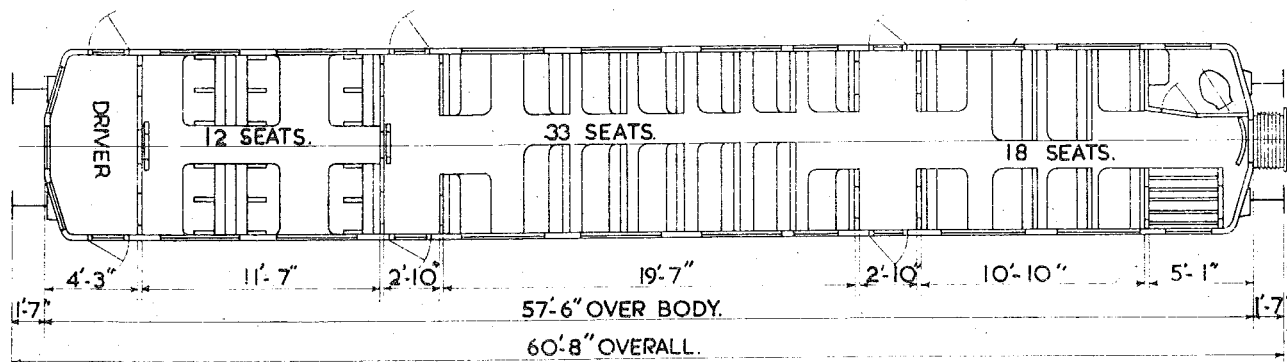
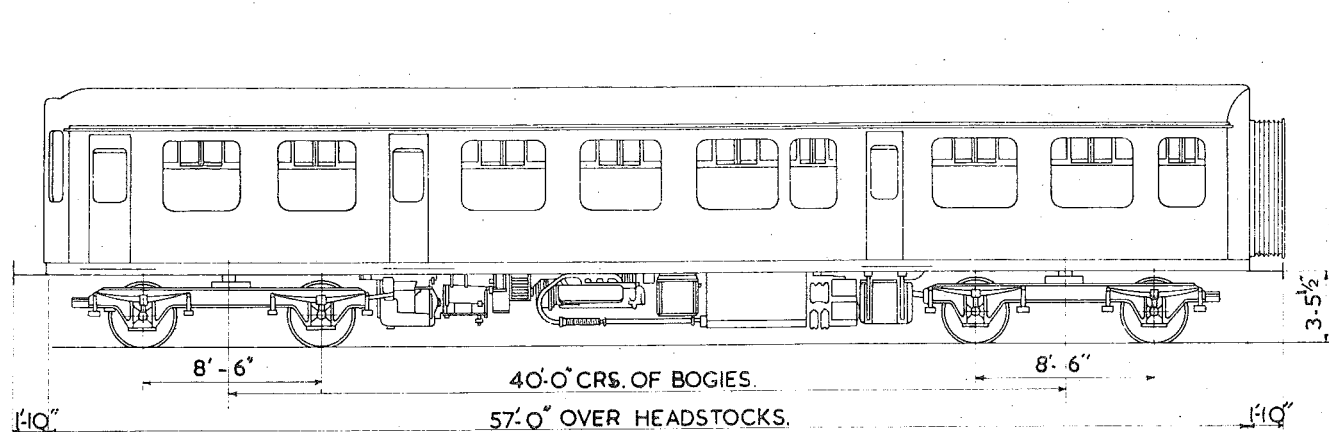
NONE

DRIVING MOTOR SECOND

CLASS 104

DMS

DP 217



SEATS	63
TOILETS	1
COMPARTMENTS	-
GUARDS COMPARTMENTS	-
VENTILATION	-
CATERING EQUIPMENT	-

ORIGINAL DIAGRAMS FOR REFERENCE.-
BR 580

ISSUE 2 DATE MAY '81

DP 217

BRAKES
BOGIE/SUSPENSION
BODY CONSTRUCTION
COUPLINGS
TRAIN HEATING
MAX. SPEED M.P.H.
MIN. RAD. CURVE CHAINS
LIGHTING
TARE WEIGHT TONNES
GANGWAYS
A.V.S.
MULTIPLE WORKING CODE SYMBOL
BUFFERS

BASIC TYPE

VACUUM
DD14 MK 1
STEEL
SCREW
OIL BURNING AIR HEATER
70
3.5
TUNGSTEN
31.5
BRITISH STANDARD-MIDLAND SCISSORS TYPE
NOT FITTED
BLUE SQUARE
SELF CONTAINED-457 DIA.

ALTERNATIVES

FITTED

TRACTION DATA FOR MULTIPLE UNITS

DMMU-BUILDER BIRMINGHAM RAILWAY CARRIAGE & WAGON CO.LTD.
ENGINES 2 X 150 HP LEYLAND 6 CYL.HORIZONTAL
TRANSMISSION MECHANICAL-CARDAN SHAFT & FREEWHEEL/4 SPEED EPICYCLIC GEARBOX/CARDAN SHAFT

BASIC TYPE

DP 217 0A

VARIANTS

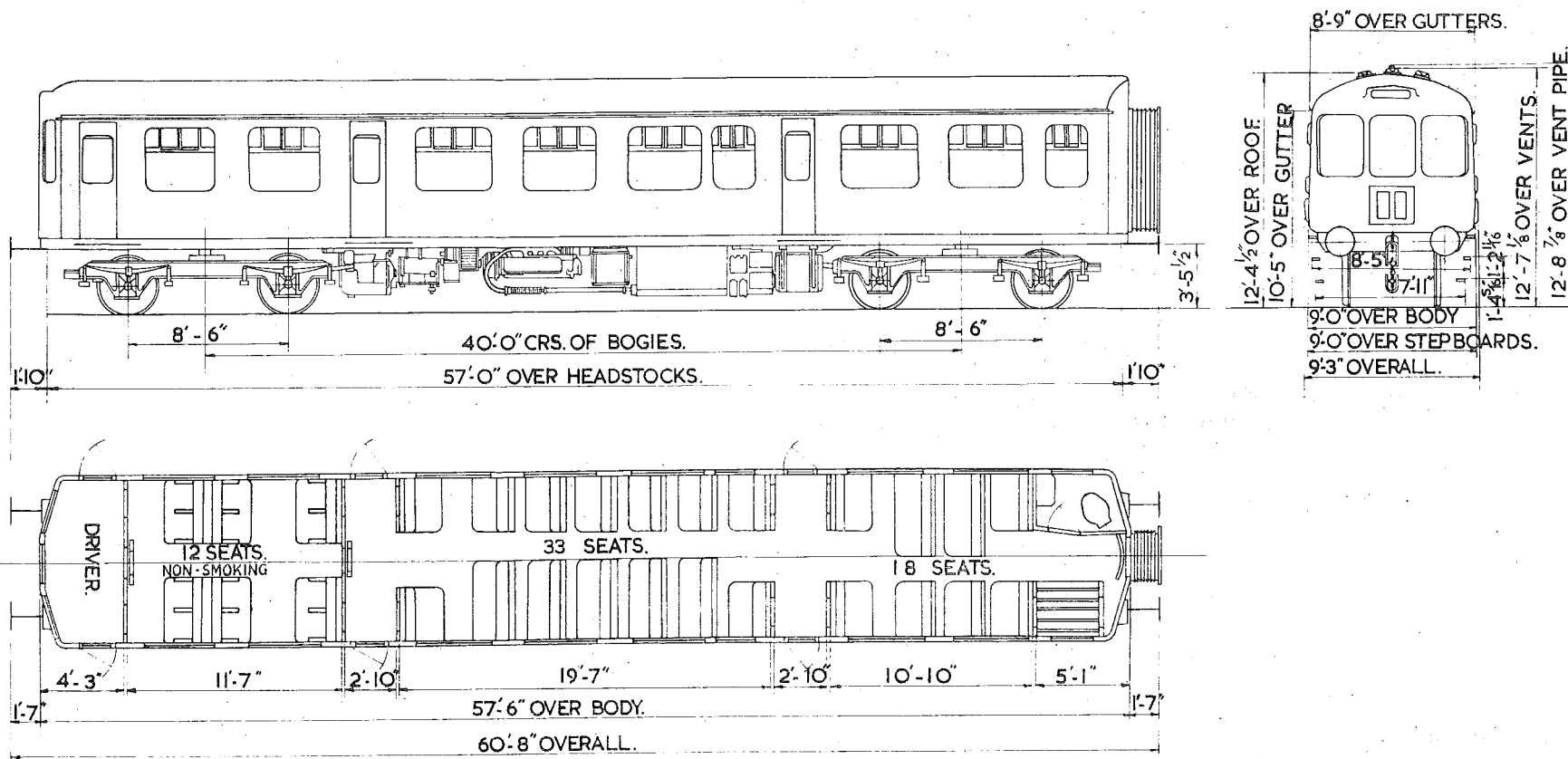
1A A.V.S.FITTED.

DRIVING MOTOR SECOND

CLASS 104

DMS

DP 218



SEATS
TOILETS
COMPARTMENTS
GUARDS COMPARTMENTS
VENTILATION
CATERING EQUIPMENT

63
1
-
-
-
-

ORIGINAL DIAGRAMS FOR REFERENCE.-
BR 559

ISSUE
2

DATE
MAY '81

DP 218

BRAKES
BOGIE/SUSPENSION
BODY CONSTRUCTION
COUPLINGS
TRAIN HEATING
MAX. SPEED M.P.H.
MIN. RAD. CURVE CHAINS
LIGHTING
TARE WEIGHT TONNES
GANGWAYS
A.V.S.
MULTIPLE WORKING CODE SYMBOL
BUFFERS

BASIC TYPE

VACUUM
DD14 MK 1
STEEL
SCREW
OIL BURNING AIR HEATER
70
3.5
TUNGSTEN
31.5
BRITISH STANDARD-MIDLAND SCISSORS TYPE
FITTED
BLUE SQUARE
SELF CONTAINED-457 DIA.

ALTERNATIVES

TRACTION DATA FOR MULTIPLE UNITS

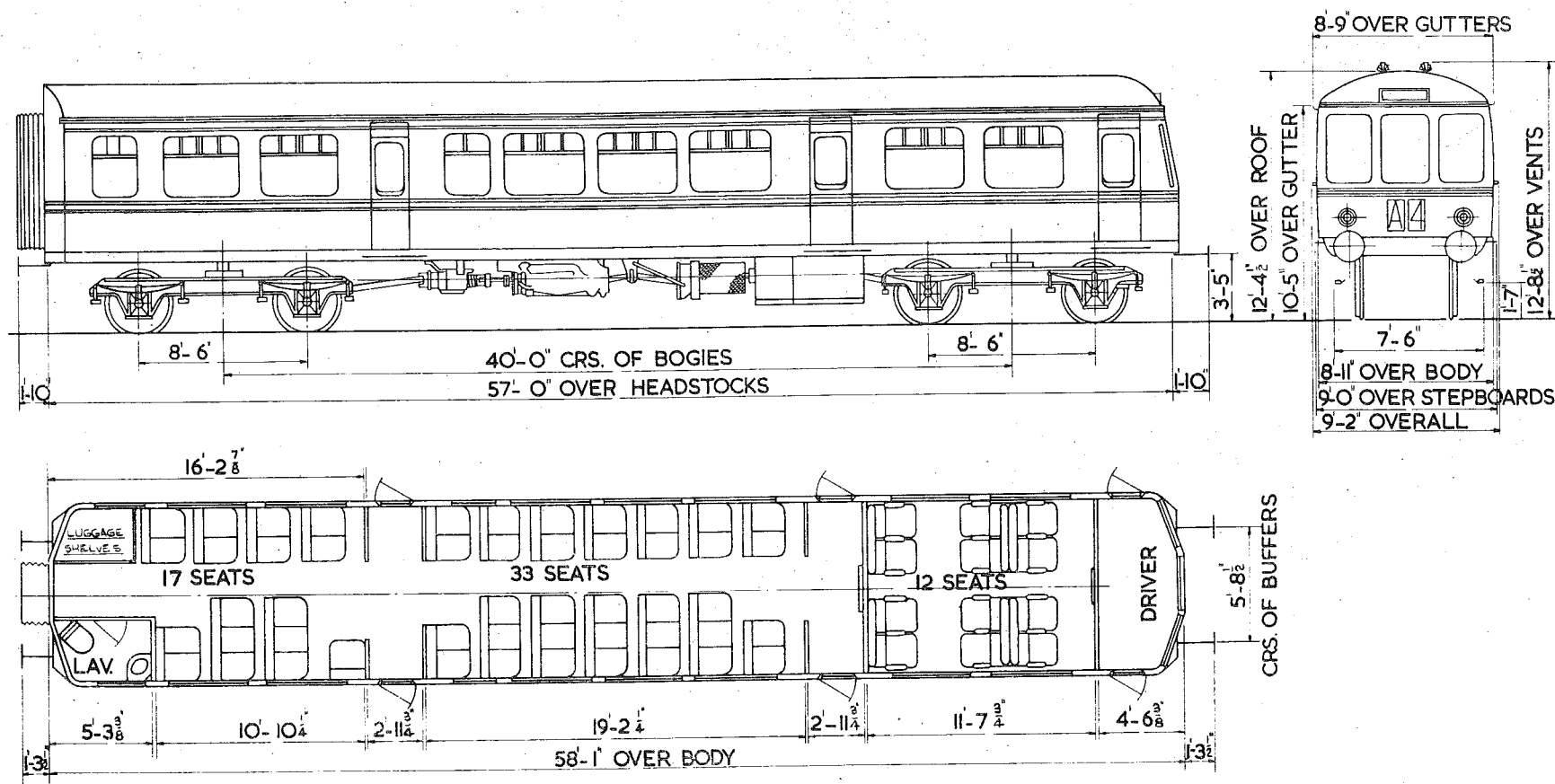
DMMU-BUILDER BIRMINGHAM RAILWAY CARRIAGE & WAGON CO.LTD.
ENGINES 2 X 150 HP LEYLAND 6 CYL.HORIZONTAL
TRANSMISSION MECHANICAL-CARDAN SHAFT & FREEWHEEL/4 SPEED EPICYCLIC GEARBOX/CARDAN SHAFT

BASIC TYPE

DP 218 1A

VARIANTS

NONE



SEATS
TOILETS
COMPARTMENTS
GUARDS COMPARTMENTS
VENTILATION
CATERING EQUIPMENT

62
1
-
-
-
-

ORIGINAL DIAGRAMS FOR REFERENCE.-
BR 544

ISSUE
2

DATE
MAY '81

DP 219

BRAKES
BOGIE/SUSPENSION
BODY CONSTRUCTION
COUPLINGS
TRAIN HEATING
MAX. SPEED M.P.H.
MIN. RAD. CURVE CHAINS
LIGHTING
TARE WEIGHT TONNES
GANGWAYS
A.V.S.
MULTIPLE WORKING CODE SYMBOL
BUFFERS

BASIC TYPE

VACUUM
DD7 MK 2
STEEL UNDERFRAME & BODY FRAMING, ALUMINIUM BODY & ROOF
SCREW
OIL BURNING AIR HEATER
70
3.5
TUNGSTEN
28.5
BRITISH STANDARD-MIDLAND SCISSORS TYPE
NOT FITTED
BLUE SQUARE
SELF CONTAINED-457 DIA.

ALTERNATIVES

FLUORESCENT & TUNGSTEN

TRACTION DATA FOR MULTIPLE UNITS

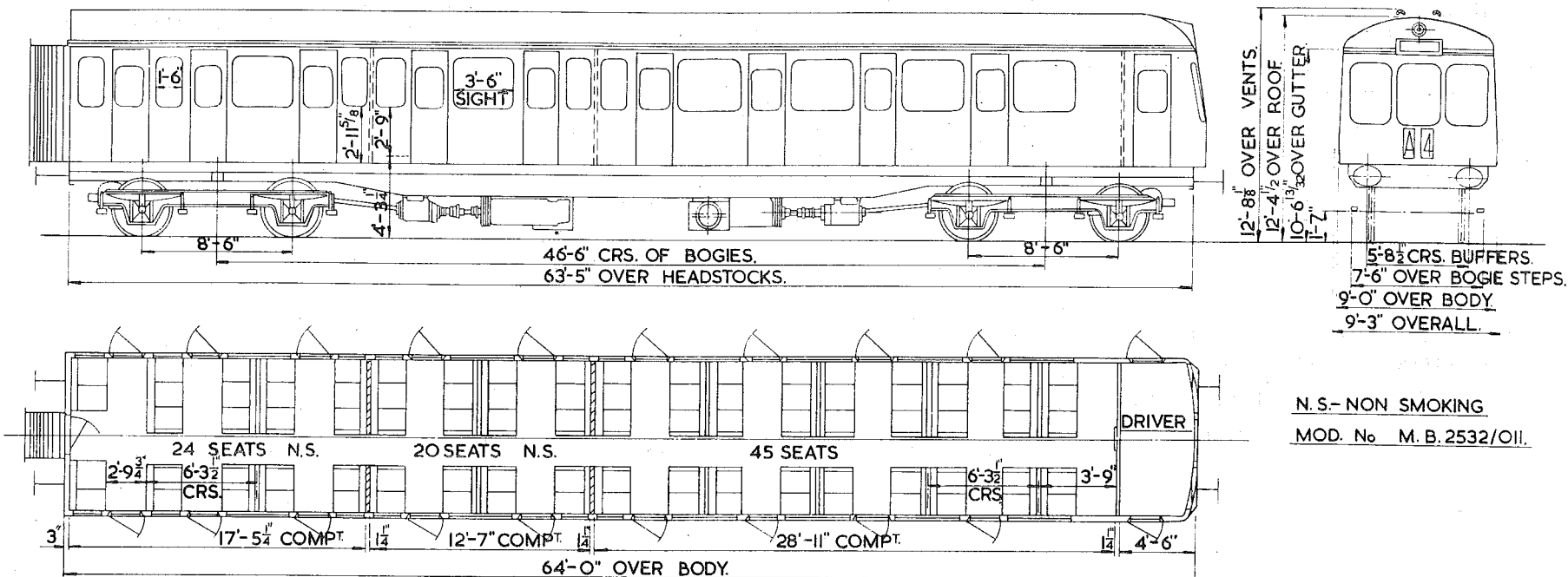
DMU-BUILDER BR DERBY (LIGHTWEIGHT)
ENGINES 2 X 150 HP LEYLAND 6 CYL. HORIZONTAL
TRANSMISSION MECHANICAL-CARDAN SHAFT & FREEWHEEL/4 SPEED EPICYCLIC GEARBOX/CARDAN SHAFT

BASIC TYPE

DP 219 0A

VARIANTS

1B REFURBISHED-FLUORESCENT & TUNGSTEN LIGHTING.



N.S. - NON SMOKING

MOD. No M.B. 2532/OIL

SEATS	89
TOILETS	-
COMPARTMENTS	-
GUARDS COMPARTMENTS	-
VENTILATION	-
CATERING EQUIPMENT	-

ORIGINAL DIAGRAMS FOR REFERENCE.-
BR 854C

ISSUE	DATE
2	MAY '81

DP 220

BRAKES
BOGIE/SUSPENSION
BODY CONSTRUCTION
COUPLINGS
TRAIN HEATING
MAX. SPEED M.P.H.
MIN. RAD. CURVE CHAINS
LIGHTING
TARE WEIGHT TONNES
GANGWAYS
A.V.S.
MULTIPLE WORKING CODE SYMBOL
BUFFERS

BASIC TYPE

VACUUM
DD10 MK 1 & MK 2 (ONE OF EACH)
STEEL
SCREW
OIL BURNING AIR HEATER
70
3.5
TUNGSTEN
36.5
BRITISH STANDARD-W.R. SUSPENSION TYPE
NOT FITTED
BLUE SQUARE
SELF CONTAINED-559 DIA. OR 559 OVAL

ALTERNATIVES

FLUORESCENT & TUNGSTEN

FITTED

TRACTION DATA FOR MULTIPLE UNITS

DMMU-BUILDER BR DERBY
ENGINES 2 X 150 HP LEYLAND 6 CYL. HORIZONTAL
TRANSMISSION MECHANICAL-CARDAN SHAFT & FREEWHEEL/4 SPEED EPICYCLIC GEARBOX/CARDAN SHAFT

BASIC TYPE

DP 220 0A

VARIANTS

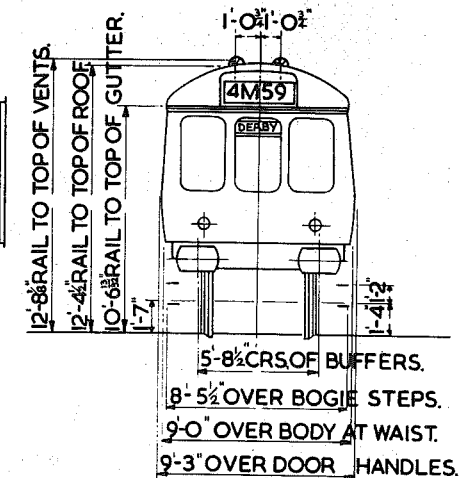
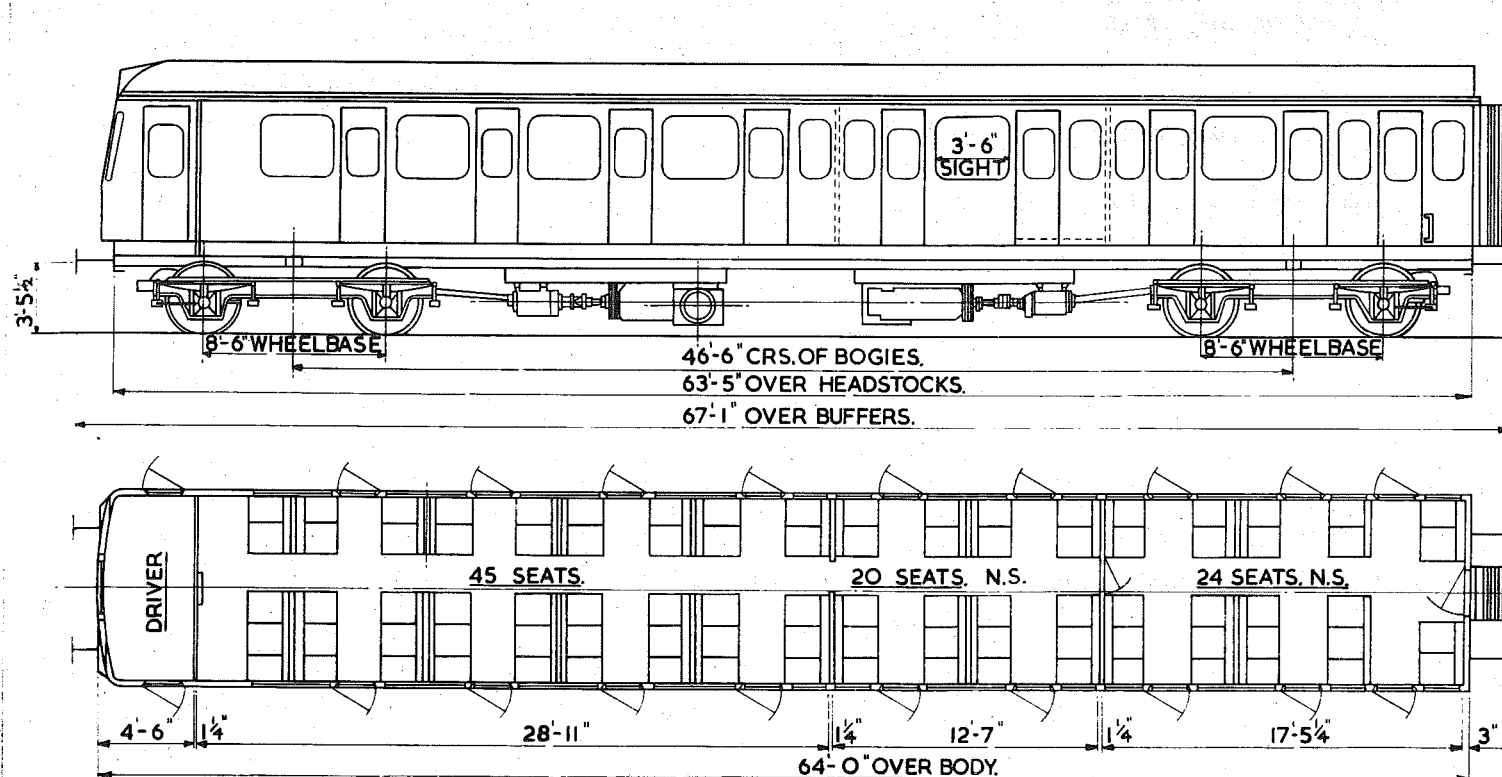
1A A.V.S. FITTED.
2B REFURBISHED-FLUORESCENT & TUNGSTEN LIGHTING, A.V.S. FITTED.

DRIVING MOTOR SECOND

CLASS 117
118

DMS

DP. 221



N.S. - NON SMOKING.

SEATS 89
TOILETS -
COMPARTMENTS -
GUARDS COMPARTMENTS -
VENTILATION -
CATERING EQUIPMENT -

ORIGINAL DIAGRAMS FOR REFERENCE:-
BR 852

ISSUE 3
DATE DEC 85

DP 221

BRAKES
BOGIE/SUSPENSION
BODY CONSTRUCTION
COUPLINGS
TRAIN HEATING
MAX.SPEED M.P.H.
MIN.RAD.CURVE CHAINS
LIGHTING
TARE WEIGHT TONNES
GANGWAYS
A.W.S.
MULTIPLE WORKING CODE SYMBOL
BUFFERS

BASIC TYPE

VACUUM
DD10 MK 5 & MK 6(ONE OF EACH)
STEEL
SCREW
OIL BURNING AIR HEATER
70
3.5
TUNGSTEN
36.5
BRITISH STANDARD-W.R.SUSPENSION TYPE
FITTED
BLUE SQUARE
SELF CONTAINED-559 DIA.OR 559 OVAL

ALTERNATIVES

FLUORESCENT & TUNGSTEN

TRACTION DATA FOR MULTIPLE UNITS

DMMJ-BUILDER CLASS 117-PRESSED STEEL CO. LTD. CLASS 118-BIRMINGHAM RAILWAY CARRIAGE & WAGON CO.LTD.
ENGINES 2 X 150 HP LEYLAND 6 CYL.HORIZONTAL
TRANSMISSION MECHANICAL-CARDAN SHAFT & FREEWHEEL/4 SPEED EPICYCLIC GEARBOX/CARDAN SHAFT

BASIC TYPE

DP 221 OB-CLASS 118

VARIANTS

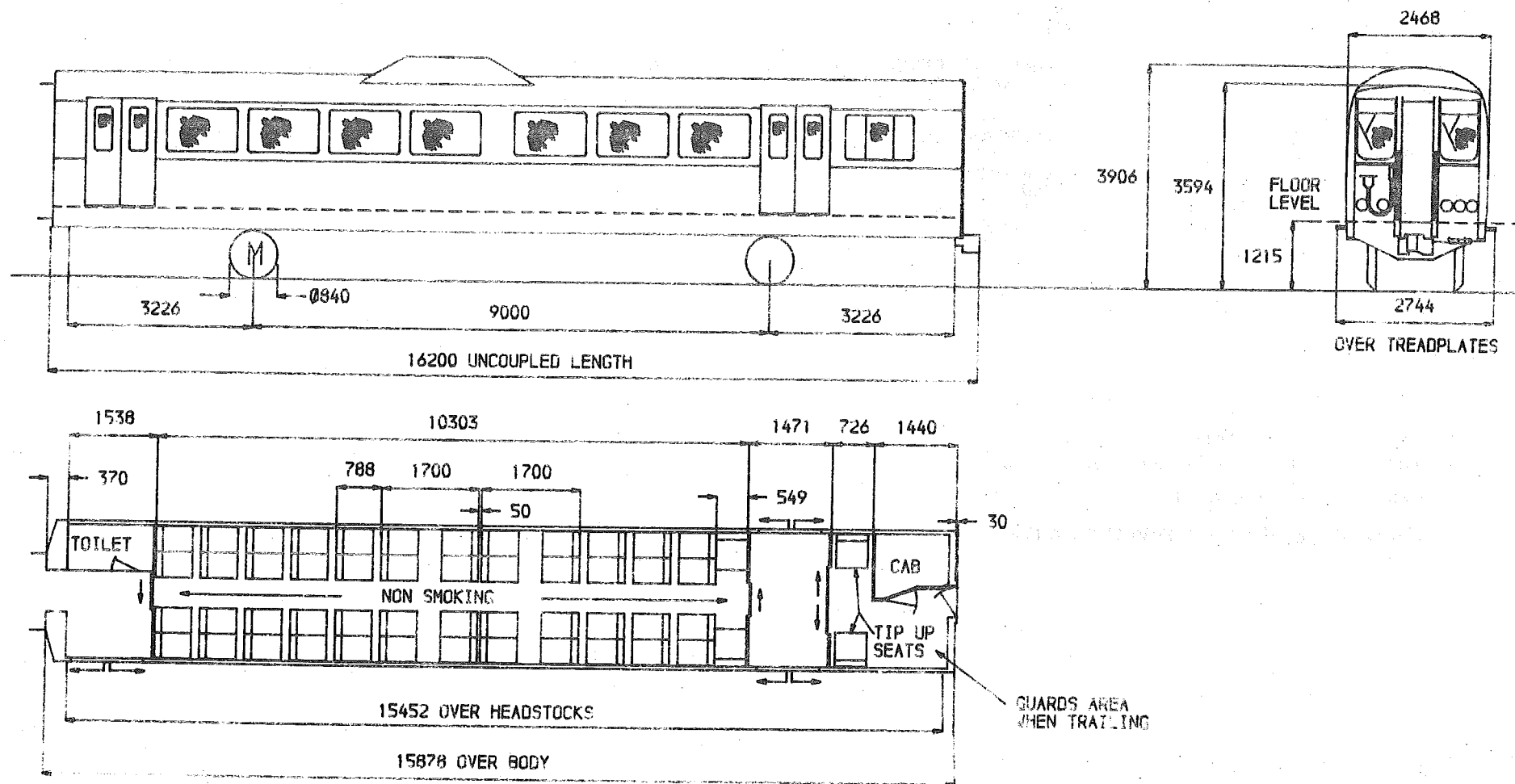
1C CLASS 117-REFURBISHED-FLUORESCENT & TUNGSTEN LIGHTING.
1D CLASS 118-REFURBISHED-FLUORESCENT & TUNGSTEN LIGHTING.

DRIVING MOTOR SECOND

CLASS 140

DMS

DP 222



SEATS	50
TOILETS	1
COMPARTMENTS	1
GUARDS COMPARTMENTS	1
VENTILATION	-
CATERING EQUIPMENT	-

ISSUE 2 DATE MAY '81

DP 222

BASIC TYPE

ALTERNATIVES

BRAKES
BOGIE/SUSPENSION
BODY CONSTRUCTION
COUPLINGS
TRAIN HEATING
MAX. SPEED M.P.H.
MIN. RAD. CURVE CHAINS
LIGHTING
TARE WEIGHT TONNES
GANGWAYS
A.W.S.
MULTIPLE WORKING CODE SYMBOL
BUFFERS

AIR
AX1/P
STEEL
AUTOMATIC TIGHTLOCK OUTER END BAR INNER END
ENGINE WASTE HEAT DUCTED & OIL BURNING AIR HEATERS
75
3.5
FLUORESCENT & TUNGSTEN
23
PULLMAN-ONE END ONLY
FITTED
NOT FITTED
NOT FITTED

TRACTION DATA FOR MULTIPLE UNITS

DMMU-BUILDER BR DERBY/LEYLAND VEHICLES LTD.

ENGINES LEYLAND TL 11

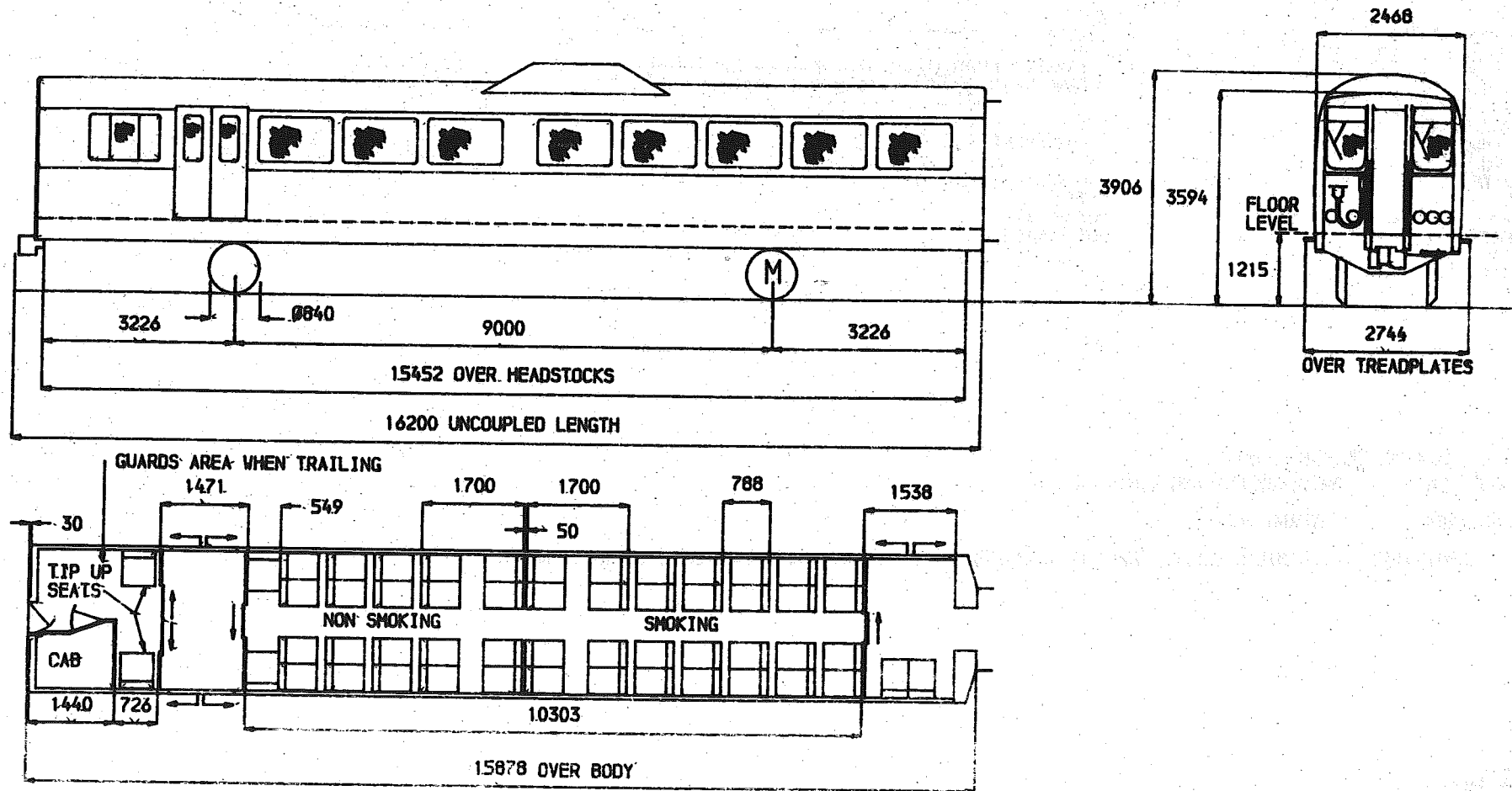
TRANSMISSION MECHANICAL-CARDAN SHAFT & FREEWHEEL/4 SPEED EPICYCLIC REVERSABLE GEARBOX/CARDAN SHAFT

BASIC TYPE

DP 222 0A

VARIANTS

NONE



SEATS	52
TOILETS	-
COMPARTMENTS	-
GUARDS COMPARTMENTS	1
VENTILATION	-
CATERING EQUIPMENT	-

ISSUE 3
DATE DEC '81

DP 223

BRAKES
BOGIE/SUSPENSION
BODY CONSTRUCTION
COUPLINGS
TRAIN HEATING
MAX. SPEED M.P.H.
MIN. RAD. CURVE CHAINS
LIGHTING
TARE WEIGHT TONNES
GANGWAYS
A.V.S.
MULTIPLE WORKING CODE SYMBOL
BUFFERS

BASIC TYPE

AIR
AX1/P_a
STEEL
AUTOMATIC TIGHTLOCK OUTER END BAR INNER END
ENGINE WASTE HEAT DUCTED & OIL BURNING AIR HEATERS
75
3.5
FLUORESCENT
23
PULLMAN-ONE END ONLY
FITTED
NOT FITTED
NOT FITTED

ALTERNATIVES

TRACTION DATA FOR MULTIPLE UNITS

DMMU-BUILDER BR DERBY/LEYLAND VEHICLES LTD.

ENGINES LEYLAND TL 11

TRANSMISSION MECHANICAL-CARDAN SHAFT & FREEWHEEL/4 SPEED EPICYCLIC REVERSABLE GEARBOX/CARDAN SHAFT

BASIC TYPE

DP 223 0A

VARIANTS

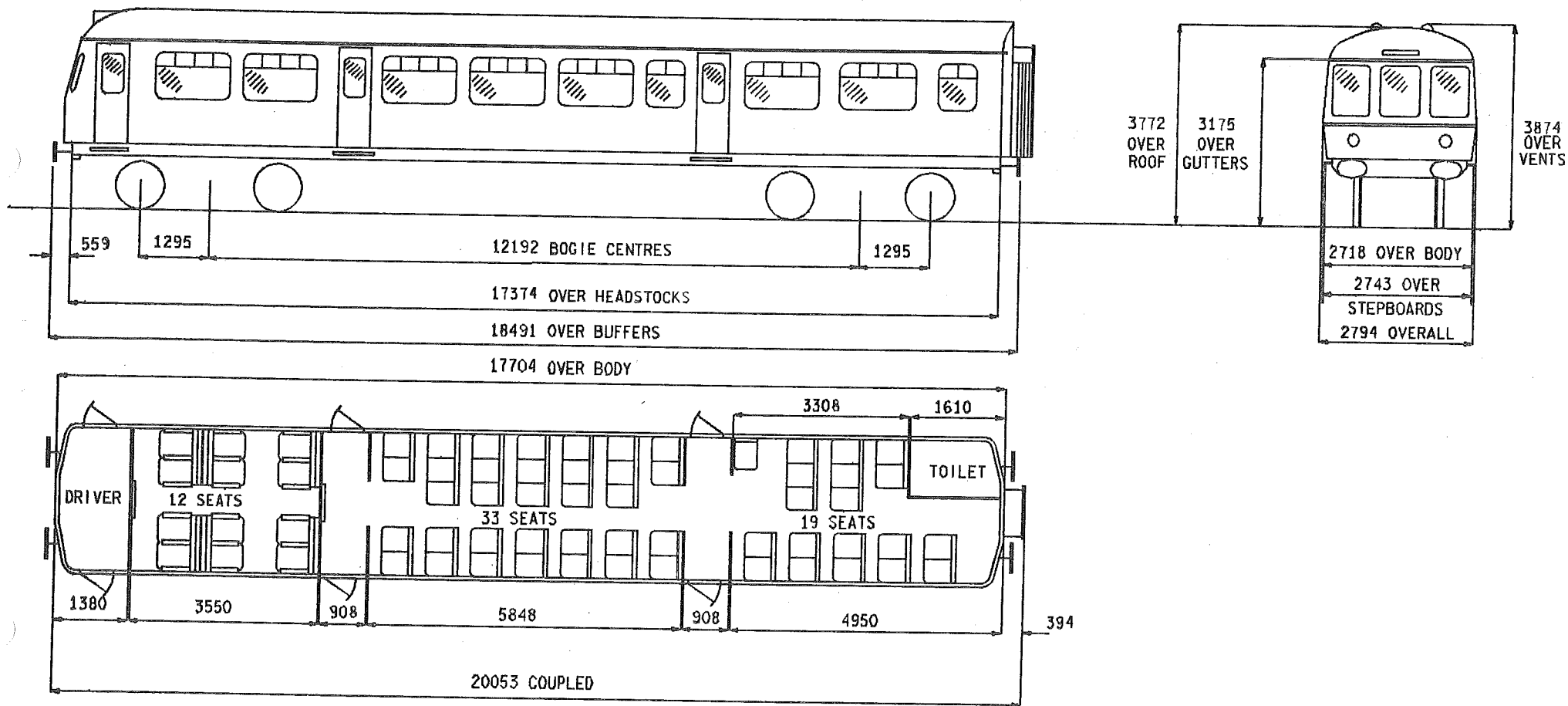
NONE

DRIVING MOTOR SECOND

CLASS 108

DMS

DP 226



SEATS	64
TOILETS	1
COMPARTMENTS	-
GUARDS COMPARTMENTS	-
VENTILATION	-
CATERING EQUIPMENT	-

ORIGINAL DIAGRAMS FOR REFERENCE:-
BR 609

ISSUE 1
DATE APR '83

DP 226

BRAKES
BOGIE/SUSPENSION
BODY CONSTRUCTION
COUPLINGS
TRAIN HEATING
MAX.SPEED M.P.H.
MIN.RAD.CURVE CHAINS
LIGHTING
TARE WEIGHT TONNES
GANGWAYS
A.W.S.
MULTIPLE WORKING CODE SYMBOL
BUFFERS

BASIC TYPE

VACUUM
DD7 MK 2
STEEL UNDERFRAME & BODY FRAMING-ALUMINIUM BODY & ROOF
SCREW
OIL BURNING AIR HEATER
70
3.5
TUNGSTEN
28.5
BRITISH STANDARD-MIDLAND SCISSORS TYPE
FITTED
BLUE SQUARE
SELF CONTAINED-457 DIA.

ALTERNATIVES

TRACTION DATA FOR MULTIPLE UNITS

DMMU-BUILDER	BR DERBY-LIGHTWEIGHT
ENGINES	2 X 150 HP LEYLAND 6 CYL.HORIZONTAL
TRANSMISSION	MECHANICAL-CARDAN SHAFT & FREEWHEEL/4 SPEED EPICYCLIC GEARBOX/CARDAN SHAFT SHAFT

BASIC TYPE

DP 226 OA

VARIANTS

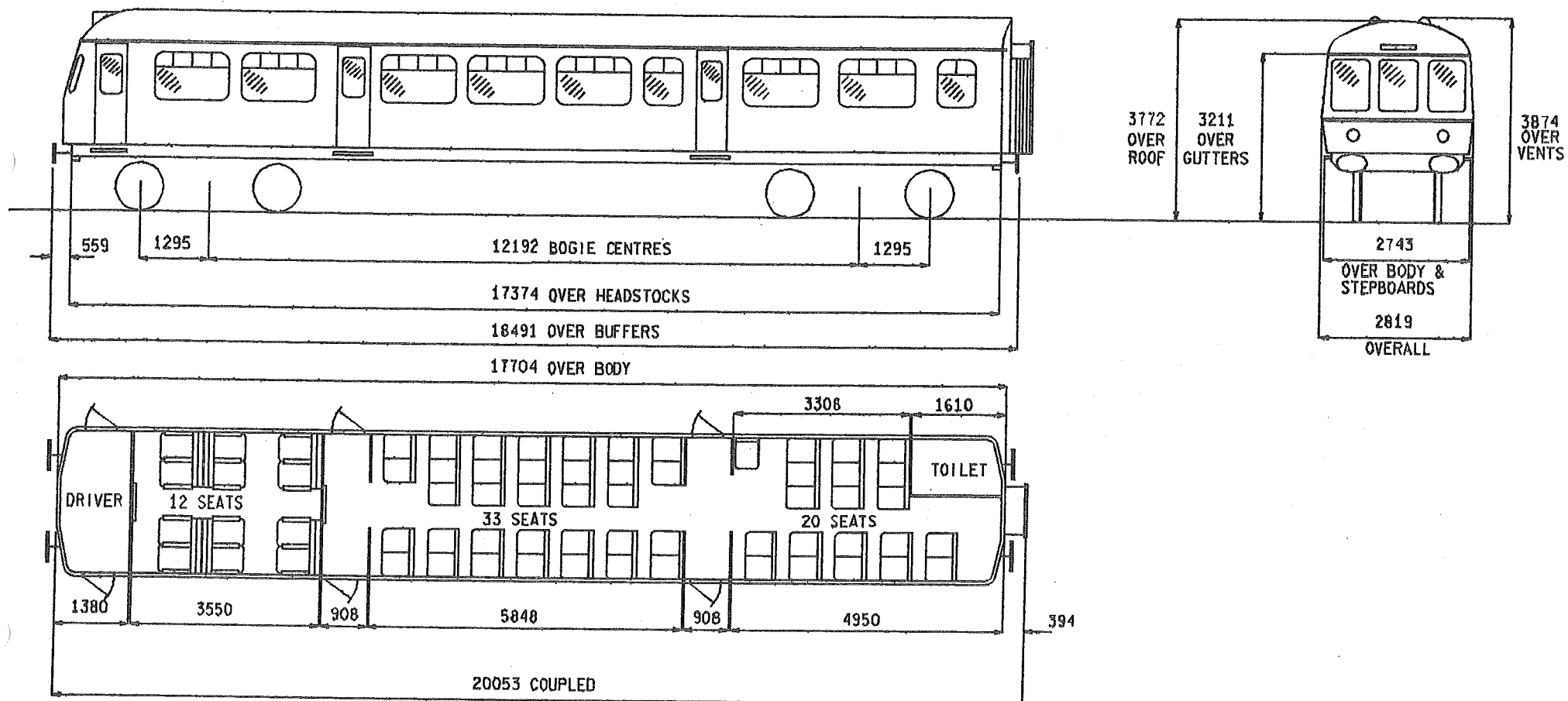
NONE

DRIVING MOTOR SECOND

CLASS 108

DMS

DP 227



SEATS	65
TOILETS	1
COMPARTMENTS	-
GUARDS COMPARTMENTS	-
VENTILATION	-
CATERING EQUIPMENT	-

ORIGINAL DIAGRAMS FOR REFERENCE:-
BR 638

ISSUE	DATE
2	APR '83

DP 227

BRAKES
BOGIE/SUSPENSION
BODY CONSTRUCTION
COUPLINGS
TRAIN HEATING
MAX.SPEED M.P.H.
MIN.RAD.CURVE CHAINS
LIGHTING
TARE WEIGHT TONNES
GANGWAYS
A.W.S.
MULTIPLE WORKING CODE SYMBOL
BUFFERS

BASIC TYPE

VACUUM
DD7 MK 2
STEEL UNDERFRAME & BODY FRAMING-ALUMINIUM BODY & ROOF
SCREW
OIL BURNING AIR HEATER
70
3.5
TUNGSTEN
28.5
BRITISH STANDARD-MIDLAND SCISSORS TYPE
FITTED
BLUE SQUARE
SELF CONTAINED-457 DIA.

ALTERNATIVES

TRACTION DATA FOR MULTIPLE UNITS

DMMU-BUILDER	BR DERBY-LIGHTWEIGHT
ENGINES	2 X 150 HP LEYLAND 6 CYL.HORIZONTAL
TRANSMISSION	MECHANICAL-CARDAN SHAFT & FREEWHEEL/4 SPEED EPICYCLIC GEARBOX/CARDAN SHAFT SHAFT

BASIC TYPE

DP 227 0A

VARIANTS

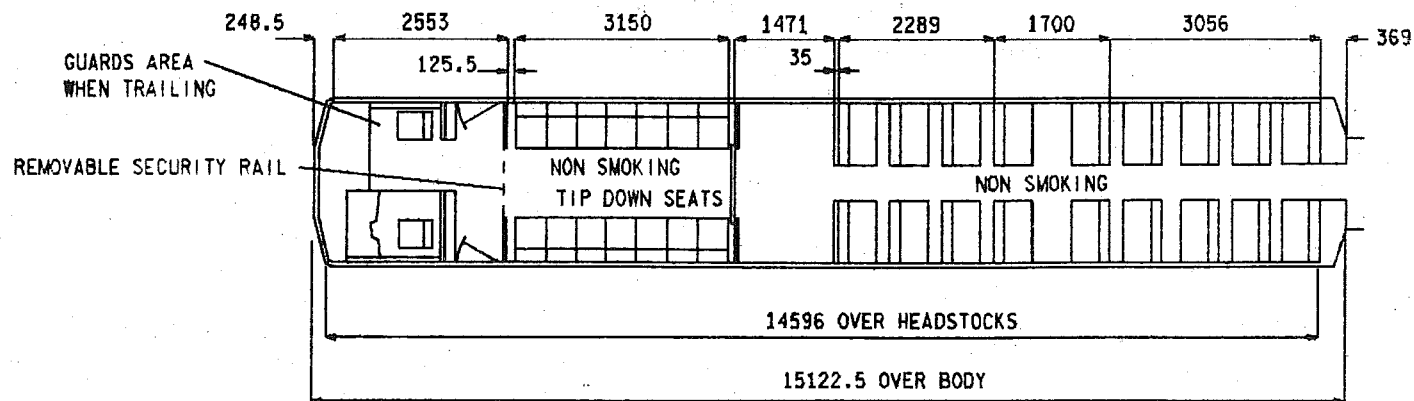
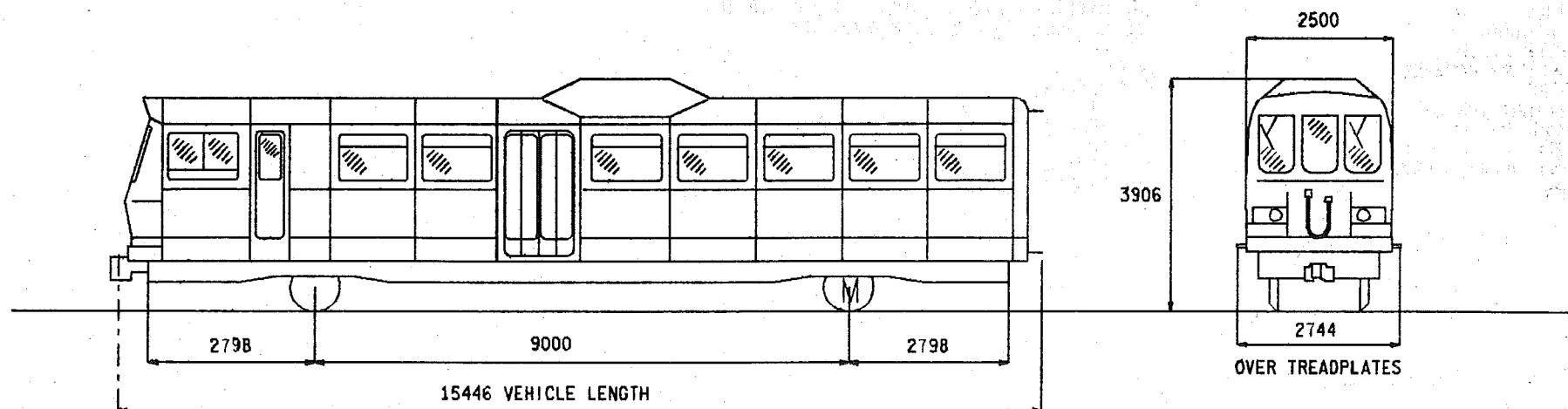
NONE

DRIVING MOTOR SECOND

CLASS 141

DMS

DP 228



SEATS	50
TOILETS	-
COMPARTMENTS	-
GUARDS COMPARTMENTS	1
VENTILATION	-
CATERING EQUIPMENT	-

ISSUE 2 DATE AUG '83

DP 228

BASIC TYPE

ALTERNATIVES

BRAKES
BOGIE/SUSPENSION
BODY CONSTRUCTION
COUPLINGS
TRAIN HEATING
MAX.SPEED M.P.H.
MIN.RAD.CURVE CHAINS
LIGHTING
TARE WEIGHT TONNES
GANGWAYS
A.W.S.
MULTIPLE WORKING CODE SYMBOL
BUFFERS

AIR
AX1/P0
STEEL
AUTOMATIC TIGHTLOCK OUTER END BAR INNER END
ENGINE WASTE HEAT,DUCTED WARM AIR
75
3.5
FLUORESCENT
21(EST)
FLEXIBLE DIAPHRAGM/RIGID(GRP) INNER END ONLY
FITTED
NOT FITTED
NOT FITTED

TRACTION DATA FOR MULTIPLE UNITS

DMMU-BUILDER BR DERBY/LEYLAND VEHICLES LTD.
ENGINES LEYLAND TL 11
TRANSMISSION MECHANICAL-CARDAN SHAFT & FREEWHEEL/4 SPEED EPICYCLIC REVERSABLE AUTOMATIC GEARBOX/CARDAN SHAFT

BASIC TYPE

DP 228 0A

VARIANTS

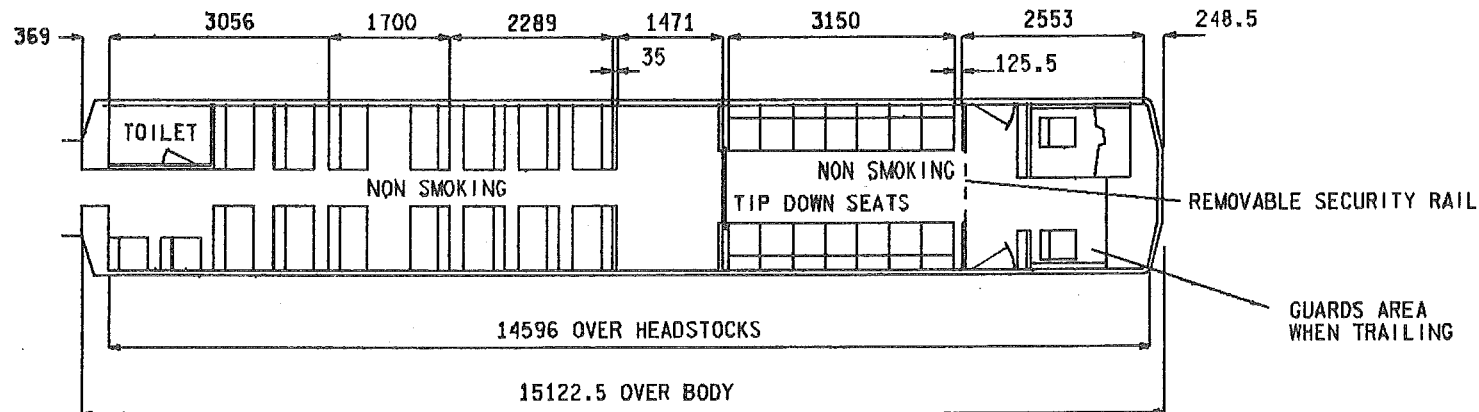
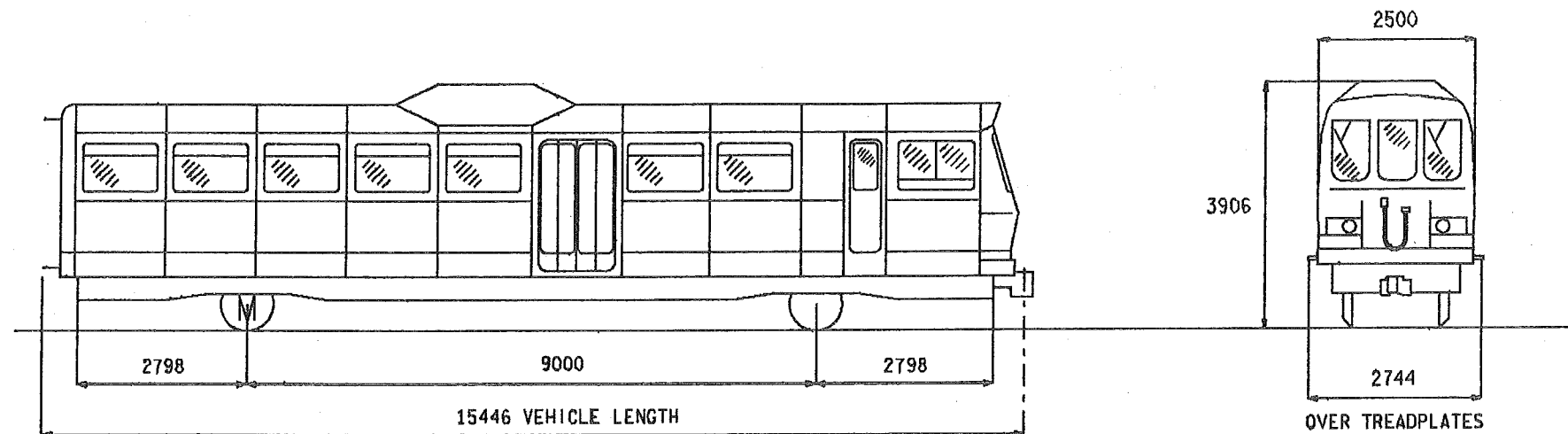
NONE

DRIVING MOTOR SECOND

CLASS 141

DMS

DP 229



SEATS	44
TOILETS	1
COMPARTMENTS	-
GUARDS COMPARTMENTS	1
VENTILATION	-
CATERING EQUIPMENT	-

ISSUE 1 DATE JUN '83

DP 229

BRAKES
BOGIE/SUSPENSION
BODY CONSTRUCTION
COUPLINGS
TRAIN HEATING
MAX.SPEED M.P.H.
MIN.RAD.CURVE CHAINS
LIGHTING
TARE WEIGHT TONNES
GANGWAYS
A.W.S.
MULTIPLE WORKING CODE SYMBOL
BUFFERS

BASIC TYPE

AIR
AX1/Pd
STEEL
AUTOMATIC TIGHTLOCK OUTER END BAR INNER END
ENGINE WASTE HEAT,DUCTED WARM AIR
75
3.5
FLUORESCENT
21.5(EST)
FLEXIBLE DIAPHRAGM/RIGID(GRP)INNER END ONLY
FITTED
NOT FITTED
NOT FITTED

ALTERNATIVES

TRACTION DATA FOR MULTIPLE UNITS

DMU-BUILDER BR DERBY/LEYLAND VEHICLES LTD.
ENGINES LEYLAND TL 11
TRANSMISSION MECHANICAL-CARDAN SHAFT & FREEWHEEL/4 SPEED EPICYCLIC REVERSABLE AUTOMATIC GEARBOX/CARDAN SHAFT

BASIC TYPE

DP 229 0A

VARIANTS

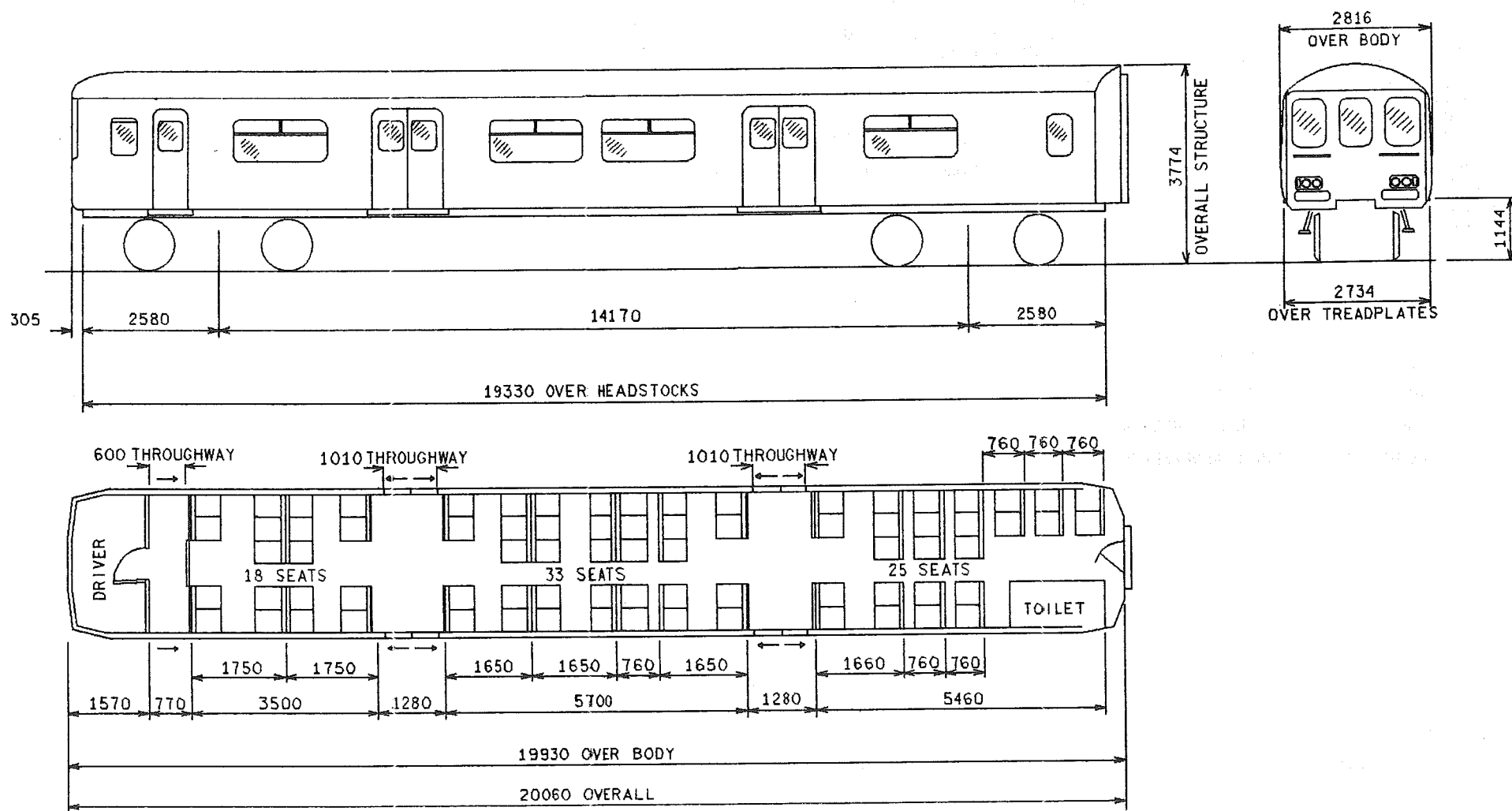
NONE

DRIVING MOTOR SECOND

CLASS 150

DMS (A)

DP 230



SEATS	76
TOILETS	1
COMPARTMENTS	-
GUARDS COMPARTMENTS	CAB WHEN TRAILING
VENTILATION	-
CATERING EQUIPMENT	-

ISSUE DATE
2 NOV 84

DP 230

BRAKES
BOGIE/SUSPENSION
BODY CONSTRUCTION
COUPLINGS
TRAIN HEATING
MAX SPEED M.P.H.
MIN.RAD.CURVE CHAINS
LIGHTING
TARE WEIGHT TONNES
GANGWAYS
A.W.S.
TRAIN COMMUNICATION
BUFFERS
ENGINES
TRANSMISSION

BASIC TYPE

AIR
BX8Pa & BX8Pc (1 OF EACH)
STEEL
BSI OUTER END-BAR INNER END
ENGINE WASTE HEAT
75
3.5
FLUORESCENT
35.8
FLEXIBLE DIAPHRAGM/RIGID(GRP) INNER END
FITTED
DRIVER/GUARD-PUBLIC ADDRESS WITH TRANSMITTER
NOT FITTED
CUMMINS NT855-R4
VOITH/GEMEINDER

ALTERNATIVES

BX8Pc

ROLLS ROYCE C6 305R
SELF CHANGING GEARS

TRACTION DATA FOR MULTIPLE UNITS

DMMU-BUILDER	BREL YORK
ENGINES	CUMMINS NT855-R4
TRANSMISSION	VOITH/GEMEINDER

BASIC TYPE

DP 230 0A

VARIANTS

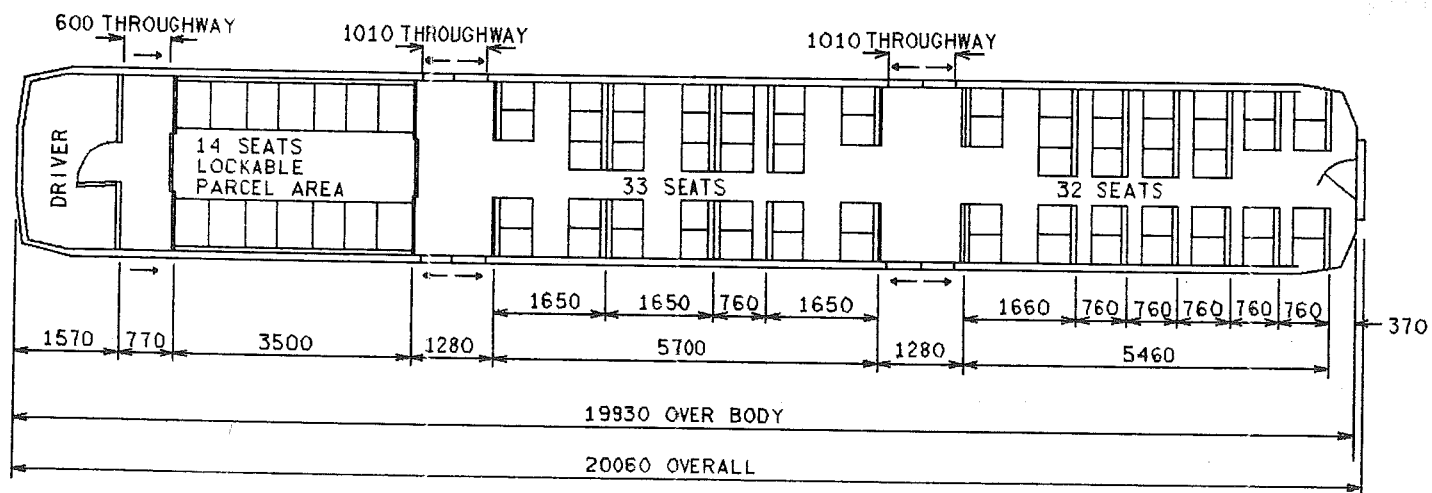
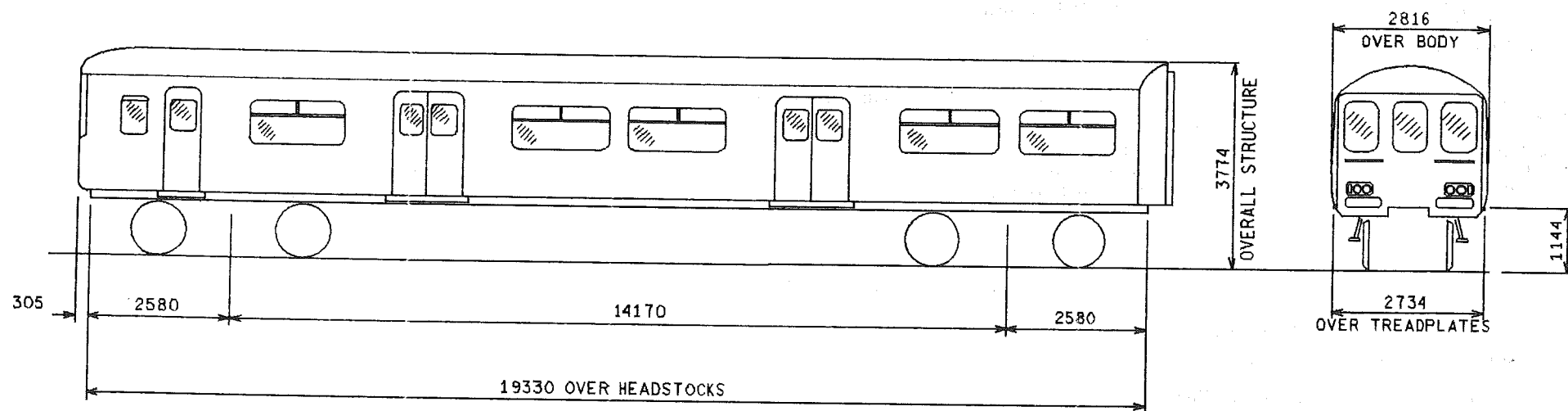
0B ENGINES ROLLS ROYCE C6 305R, TRANSMISSION SELF CHANGING GEARS, BXPc BOGIE

DRIVING MOTOR SECOND

CLASS 150

DMS (B)

DP 231



SEATS	79
TOILETS	-
COMPARTMENTS	-
GUARDS COMPARTMENTS	CAB WHEN TRAILING
VENTILATION	-
CATERING EQUIPMENT	-

ISSUE 2 DATE NOV 84

DP 231

BRAKES
BOGIE/SUSPENSION
BODY CONSTRUCTION
COUPLINGS
TRAIN HEATING
MAX SPEED M.P.H.
MIN.RAD.CURVE CHAINS
LIGHTING
TARE WEIGHT TONNES
GANGWAYS
A.W.S.
TRAIN COMMUNICATION
BUFFERS
ENGINES
TRANSMISSION

BASIC TYPE

AIR
BX8Ta & BX8Pa (1 OF EACH)
STEEL
BS1 OUTER END-BAR INNER END
ENGINE WASTE HEAT
75
3.5
FLUORESCENT
35.6
FLEXIBLE DIAPHRAGM/RIGID(GRP)INNER END
FITTED
DRIVER/GUARD-PUBLIC ADDRESS WITH TRANSMITTER
NOT FITTED
CUMMINS NT855-R4
VOITH/GEMEINDER

ALTERNATIVES

BX8Pc

ROLLS ROYCE C6 305R
SELF CHANGING GEARS

TRACTION DATA FOR MULTIPLE UNITS

DMMU-BUILDER	BREL YORK
ENGINES	CUMMINS NT855-R4
TRANSMISSION	VOITH/GEMEINDER

BASIC TYPE

DP 231 1A

VARIANTS

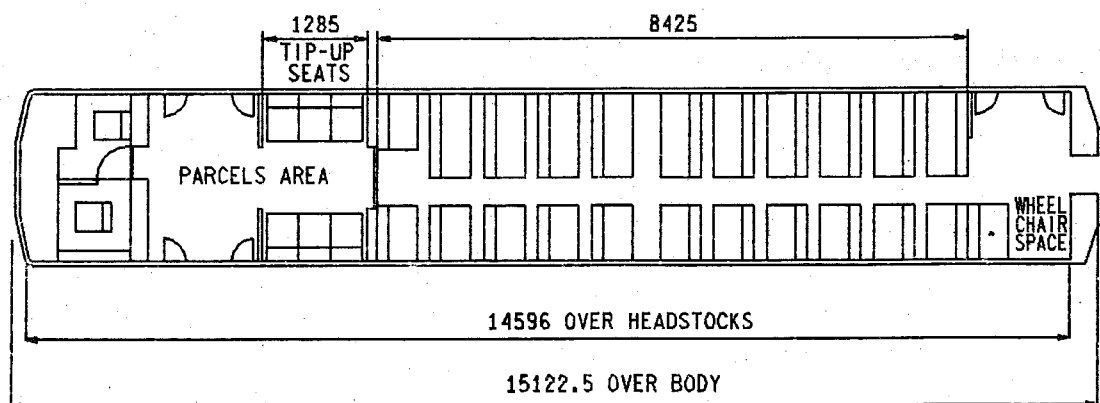
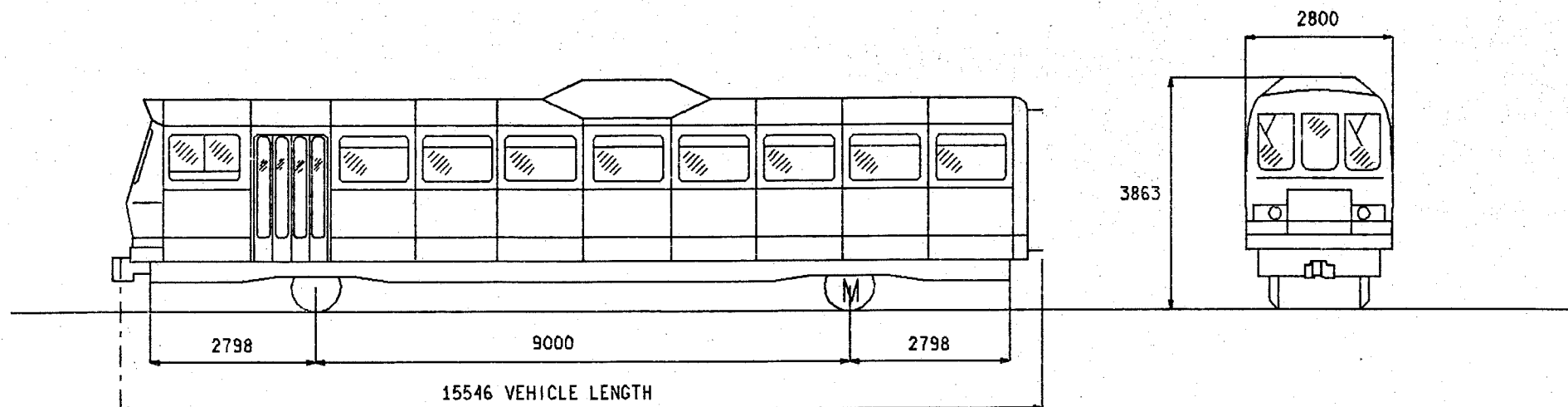
OB ENGINES ROLLS ROYCE C6 305R, TRANSMISSION SELF CHANGING GEARS, B8Pc BOGIE

DRIVING MOTOR SECOND

CLASS 142

DMS

DP 234



SEATS	62
TOILETS	-
COMPARTMENTS	-
GUARDS COMPARTMENTS	1
VENTILATION	-
CATERING EQUIPMENT	-

ISSUE 2 DATE MAR 87

DP 234

BRAKES
BOGIE/SUSPENSION
BODY CONSTRUCTION
COUPLINGS
TRAIN HEATING
MAX.SPEED M.P.H.
MIN.RAD.CURVE CHAINS
LIGHTING
TARE WEIGHT TONNES
GANGWAYS
A.W.S.
MULTIPLE WORKING CODE SYMBOL
BUFFERS

BASIC TYPE

AIR
AX1/Pa
STEEL
AUTOMATIC BSI OUTER END BAR INNER END
ENGINE WASTE HEAT,DUCTED WARM AIR
75
3.5
FLUORESCENT
21(EST)
FLEXIBLE DIAPHRAGM/RIGID(GRP)INNER END ONLY
FITTED
NOT FITTED
NOT FITTED

ALTERNATIVES

TRACTION DATA FOR MULTIPLE UNITS

DMMU-BUILDER BR DERBY/LEYLAND VEHICLES LTD.
ENGINES LEYLAND TL 11
TRANSMISSION MECHANICAL-CARDAN SHAFT & FREEWHEEL/4 SPEED EPICYCLIC REVERSABLE AUTOMATIC GEARBOX/CARDAN SHAFT

BASIC TYPE

DP 234 0A

VARIANTS

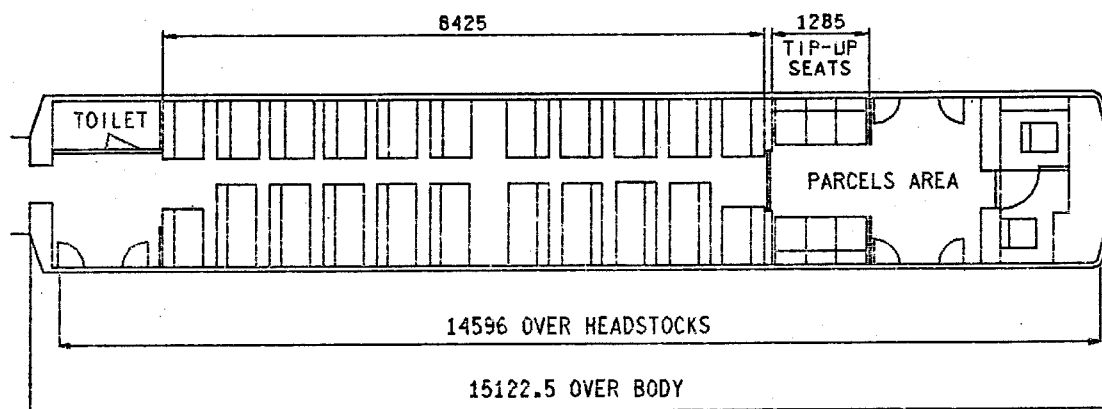
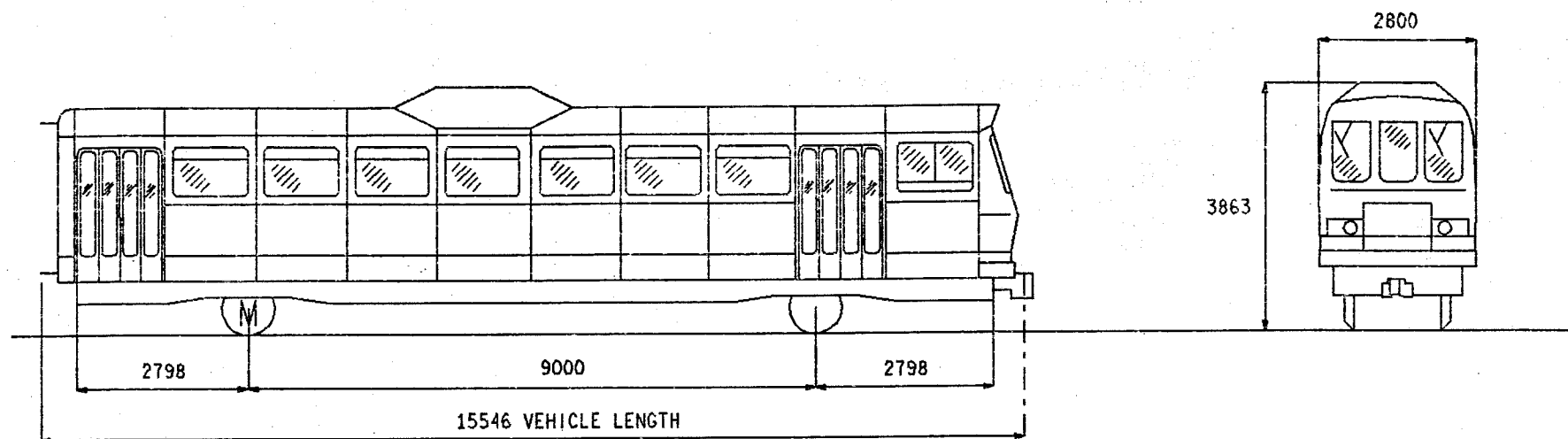
NONE

DRIVING MOTOR SECOND

CLASS 142

DMS

DP 235



SEATS	59
TOILETS	1
COMPARTMENTS	-
GUARDS COMPARTMENTS	1
VENTILATION	-
CATERING EQUIPMENT	-

ISSUE 3 DATE MAR 87

DP 235

BASIC TYPE

ALTERNATIVES

BRAKES
BOGIE/SUSPENSION
BODY CONSTRUCTION
COUPLINGS
TRAIN HEATING
MAX.SPEED M.P.H.
MIN.RAD.CURVE CHAINS
LIGHTING
TARE WEIGHT TONNES
GANGWAYS
A.W.S.
MULTIPLE WORKING CODE SYMBOL
BUFFERS

AIR
AX1/Pa
STEEL
AUTOMATIC BSI OUTER END BAR INNER END
ENGINE WASTE HEAT,DUCTED WARM AIR
75
3.5
FLUORESCENT
21.5(EST)
FLEXIBLE DIAPHRAGM/RIGID(GRP) INNER END ONLY
FITTED
NOT FITTED
NOT FITTED

TRACTION DATA FOR MULTIPLE UNITS

DMU-BUILDER BR DERBY/LEYLAND VEHICLES LTD.
ENGINES LEYLAND TL 11
TRANSMISSION MECHANICAL-CARDAN SHAFT & FREEWHEEL/4 SPEED EPICYCLIC REVERSABLE AUTOMATIC GEARBOX/CARDAN SHAFT

BASIC TYPE

DP 235 OA

VARIANTS

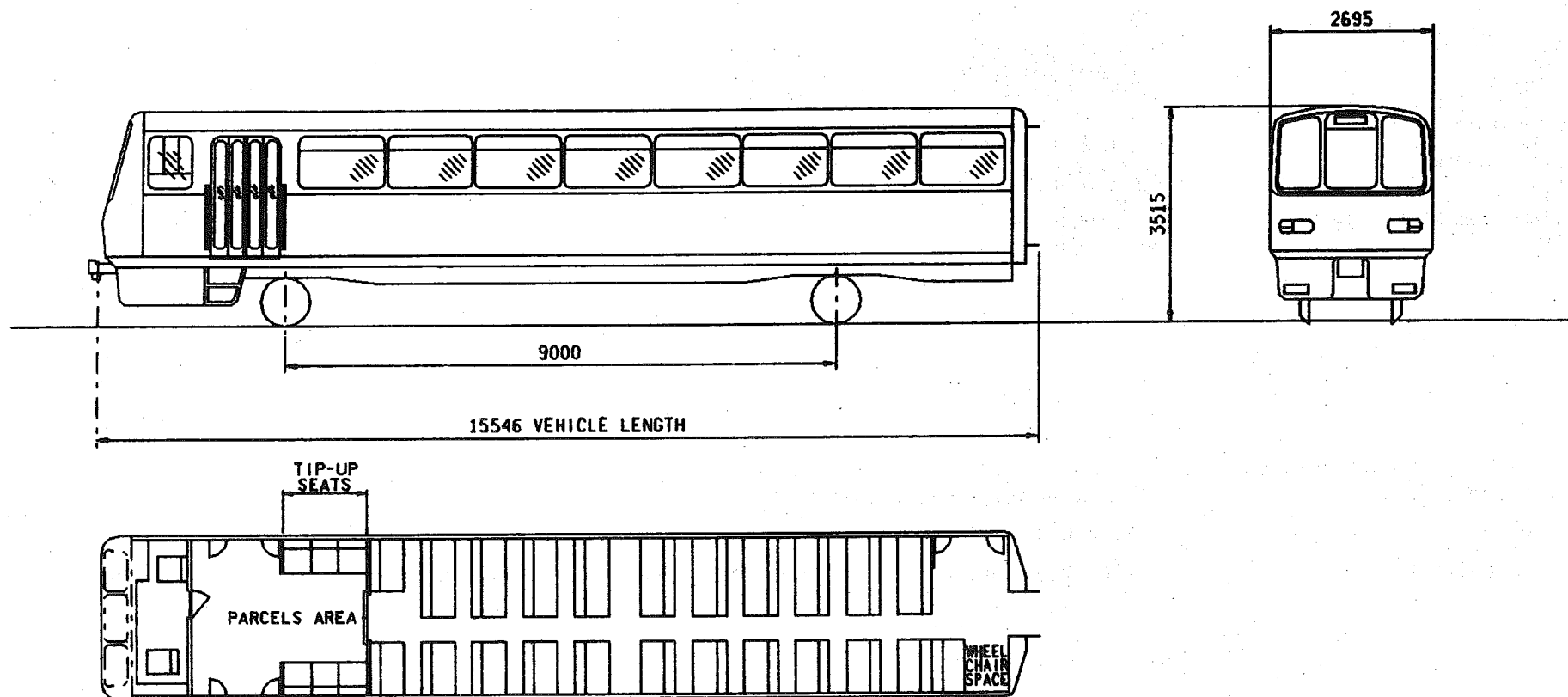
NONE

DRIVING MOTOR SECOND

CLASS 143

DMS

DP 236



SEATS	62
TOILETS	-
COMPARTMENTS	-
GUARDS COMPARTMENTS	1
VENTILATION	-
CATERING EQUIPMENT	-

ISSUE
1

DATE
MARCH '85

DP 236

BRAKES
BOGIE/SUSPENSION
BODY CONSTRUCTION
COUPLINGS
TRAIN HEATING
MAX.SPEED M.P.H.
MIN.RAD.CURVE CHAINS
LIGHTING
TARE WEIGHT TONNES
GANGWAYS
A.W.S.
MULTIPLE WORKING CODE SYMBOL
BUFFERS

BASIC TYPE

AIR
Ax1
STEEL/ALUMINIUM
AUTOMATIC BSI OUTER END - BAR INNER END
ENGINE WASTE HEAT - DUCTED WARM AIR
75
3.5
FLOURESCENT
22 + (EST)
FLEXIBLE DIAPHRAM / RIGID (GRP) INNER END ONLY
FITTED
NOT FITTED
NOT FITTED

ALTERNATIVES

TRACTION DATA FOR MULTIPLE UNITS

DMMJ-BUILDER

ENGINES

TRANSMISSION

WALTER ALEXANDER / ANDREW BARCLAY

LEYLAND TL11

MECHANICAL -CARDAN SHAFT & FREEWHEEL / 4 SPEED EPICYCLIC REVERSABLE AUTOMATIC GEARBOX / CARDAN SHAFT

BASIC TYPE

DP 236 0A

VARIANTS

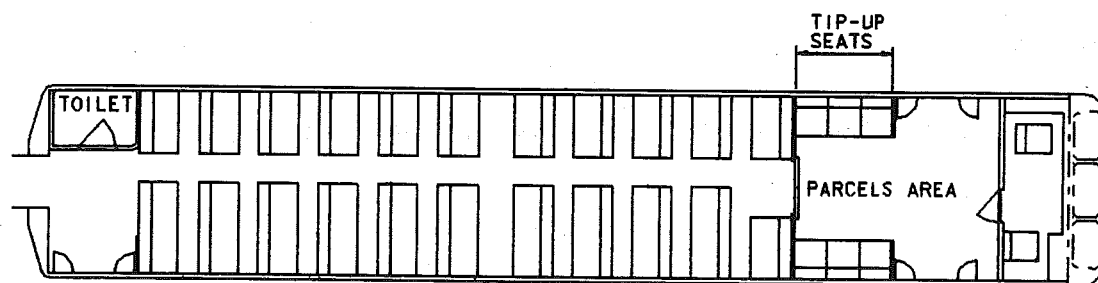
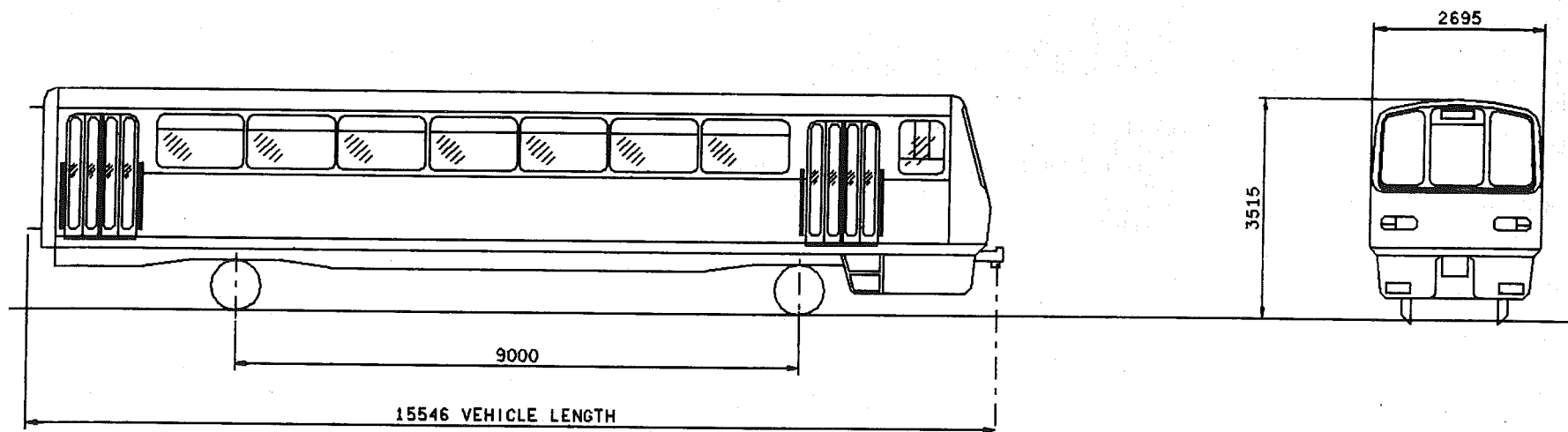
NONE

DRIVING MOTOR SECOND

CLASS 143

DMS

DP 237



SEATS	60
TOILETS	1
COMPARTMENTS	-
GUARDS COMPARTMENTS	1
VENTILATION	-
CATERING EQUIPMENT	-

ISSUE 1 DATE MARCH '85

DP 237

BASIC TYPE

BRAKES
BOGIE/SUSPENSION
BODY CONSTRUCTION
COUPLINGS
TRAIN HEATING
MAX.SPEED M.P.H.
MIN.RAD.CURVE CHAINS
LIGHTING
TARE WEIGHT TONNES
GANGWAYS
A.W.S.
MULTIPLE WORKING CODE SYMBOL
BUFFERS

AIR
Ax1
STEEL/ALUMINIUM
AUTOMATIC BSI OUTER END - BAR INNER END
ENGINE WASTE HEAT - DUCTED WARM AIR
75
3.5
FLOURESCENT
23 + (EST)
FLEXIBLE DIAPHRAM / RIGID (GRP) INNER END ONLY
FITTED
NOT FITTED
NOT FITTED

ALTERNATIVES

TRACTION DATA FOR MULTIPLE UNITS

DMMU-BUILDER

WALTER ALEXANDER / ANDREW BARCLAY

ENGINES

LEYLAND TL11

TRANSMISSION

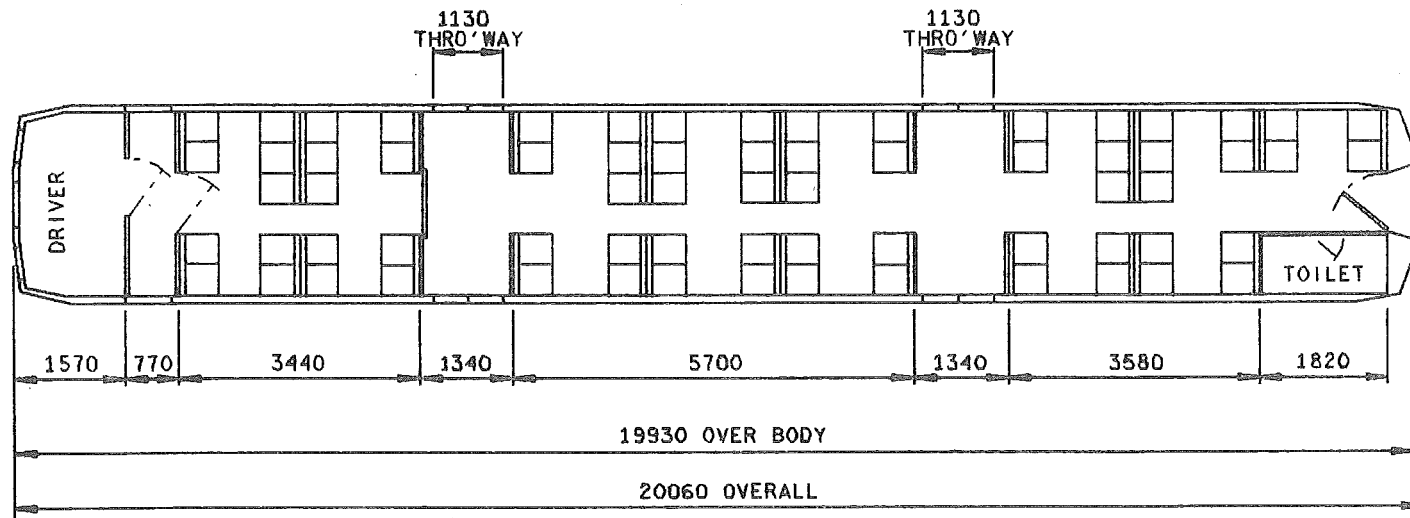
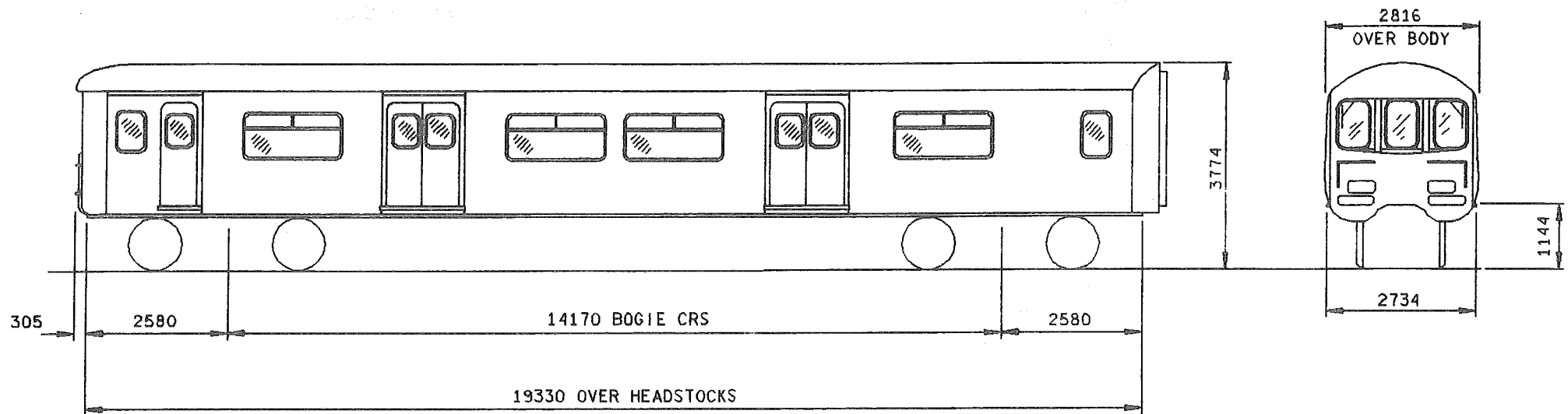
MECHANICAL -CARDAN SHAFT & FREEWHEEL / 4 SPEED EPICYCLIC REVERSABLE AUTOMATIC GEARBOX / CARDAN SHAFT

BASIC TYPE

DP 237 0A

VARIANTS

NONE



SEATS	68
TOILETS	1
COMPARTMENTS	-
GUARDS COMPARTMENTS	CAB WHEN TRAILING
VENTILATION	-
CATERING EQUIPMENT	-

ISSUE DATE
1 MAY 85

DP 238

BRAKES
BOGIE/SUSPENSION
BODY CONSTRUCTION
COUPLINGS

TRAIN HEATING
MAX SPEED M.P.H.
MIN.RAD.CURVE CHAINS
LIGHTING
TARE WEIGHT TONNES
GANGWAYS

A.W.S.
TRAIN COMMUNICATION
BUFFERS
ENGINES
TRANSMISSION

BASIC TYPE

AIR
BP38 & BT38
STEEL
BSI AUTOMATIC OUTER END
BSI WITH JUMPER CABLE INNER END
ENGINE WASTE HEAT
75
3.5
FLUORESCENT
36.5
CENTRALLY SUPPORTED-SWIVELLING-FLEXIBLE
DIAPHRAGM-STEEL FACE PLATE
FITTED
DRIVER/GUARD-PUBLIC ADDRESS WITH TRANSMITTER
NOT FITTED
CUMMINS NT855-R5
VOITH/GEIEINDER

ALTERNATIVES

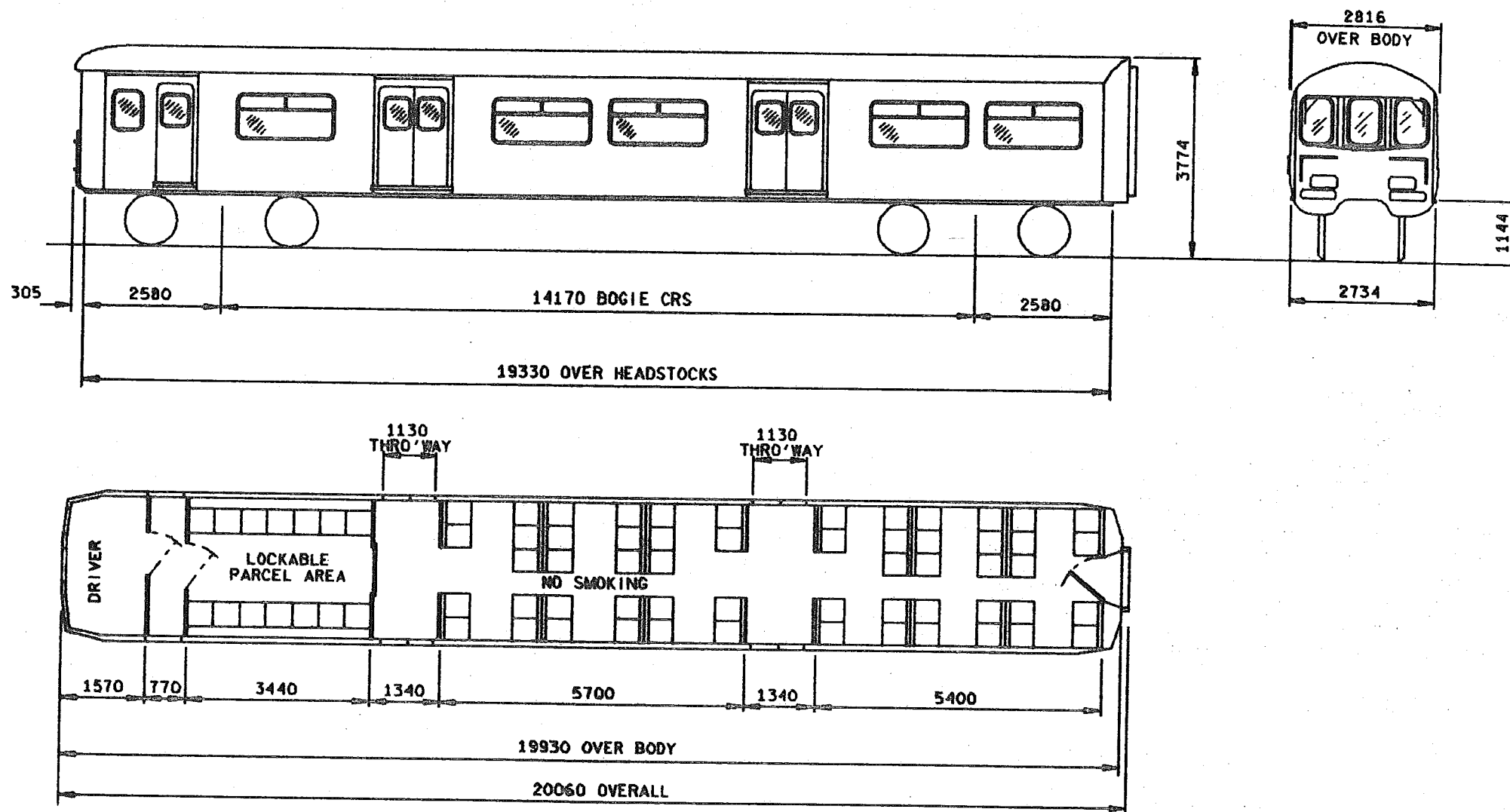
TRACTION DATA FOR MULTIPLE UNITS

DMU-BUILDER	BREL YORK
ENGINES	CUMMINS NT855-R5
TRANSMISSION	VOITH/GEIEINDER

BASIC TYPE

DP 238 0A

VARIANTS



SEATS	70
TOILETS	-
COMPARTMENTS	-
GUARDS COMPARTMENTS	CAB WHEN TRAILING
VENTILATION	-
CATERING EQUIPMENT	-
Original © BRB Residuary Ltd	

DP 239

BRAKES
BOGIE/SUSPENSION
BODY CONSTRUCTION
COUPLINGS

TRAIN HEATING
MAX SPEED M.P.H.
MIN.RAD.CURVE CHAINS
LIGHTING
TARE WEIGHT TONNES
GANGWAYS

A.W.S.
TRAIN COMMUNICATION
BUFFERS
ENGINES
TRANSMISSION

BASIC TYPE

AIR
BP38 & BT38
STEEL
BSI AUTOMATIC OUTER END
BSI WITH JUMPER CABLE INNER END
ENGINE WASTE HEAT
75
3.5
FLUORESCENT
36.5
CENTRALLY SUPPORTED-SWIVELLING-FLEXIBLE
DIAPHRAGM-STEEL FACE PLATE
FITTED
DRIVER/GUARD-PUBLIC ADDRESS WITH TRANSMITTER
NOT FITTED
CUMMINS NT855-R5
VOITH/GEMEINDER

ALTERNATIVES

TRACTION DATA FOR MULTIPLE UNITS

DMMU-BUILDER	BREL YORK
ENGINES	CUMMINS NT855-R5
TRANSMISSION	VOITH/GEMEINDER

BASIC TYPE

DP 239 0A

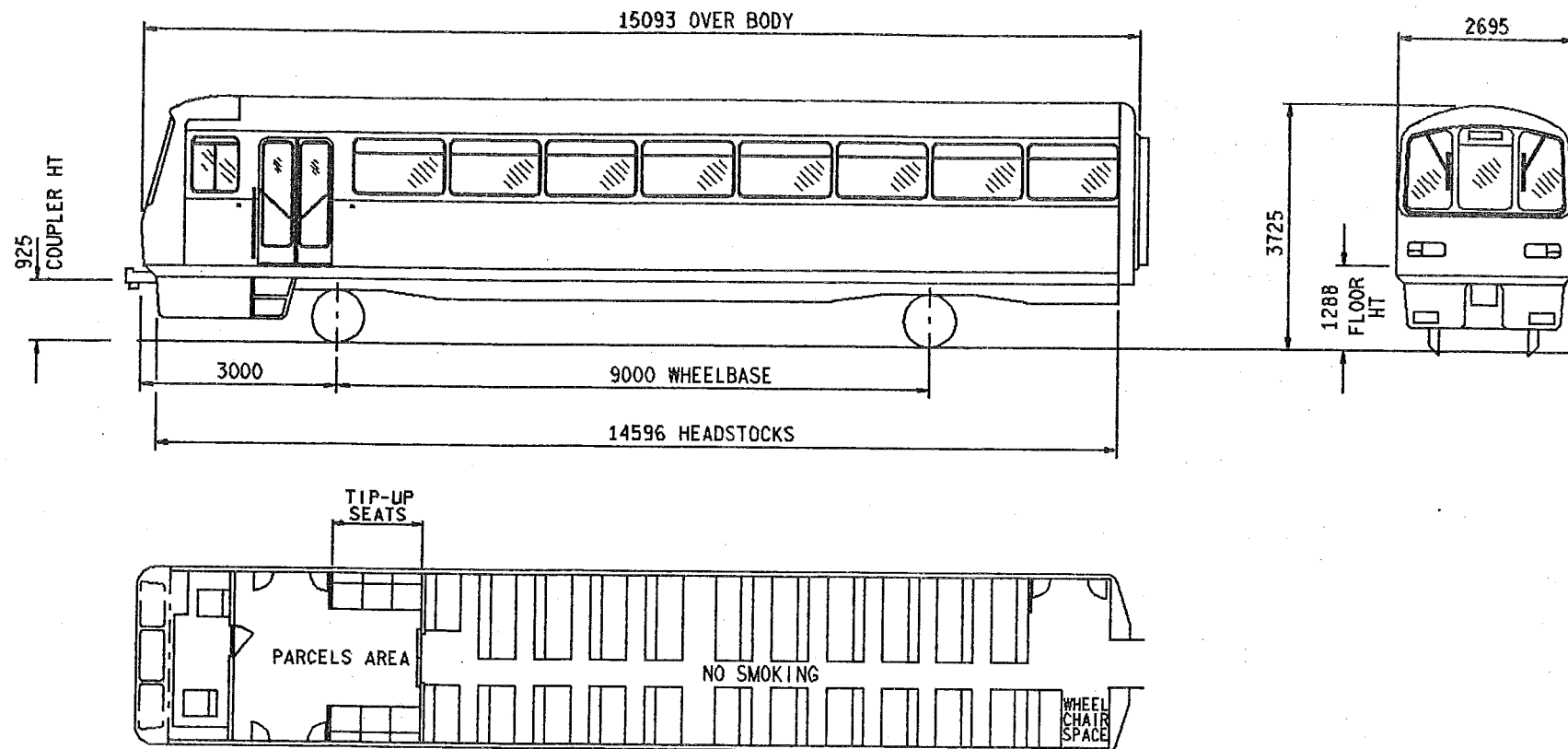
VARIANTS

DRIVING MOTOR SECOND

CLASS 144

DMS

DP 240



SEATS	62
TOILETS	-
COMPARTMENTS	-
GUARDS COMPARTMENTS	1
VENTILATION	-
CATERING EQUIPMENT	-

ISSUE 1 DATE JUL '87

DP 240

BRAKES
BOGIE/SUSPENSION
BODY CONSTRUCTION
COUPLINGS
TRAIN HEATING
MAX.SPEED M.P.H.
MIN.RAD.CURVE CHAINS
LIGHTING
TARE WEIGHT TONNES
GANGWAYS
A.W.S.
MULTIPLE WORKING CODE SYMBOL
BUFFERS

BASIC TYPE

AIR
Ax1
STEEL/ALUMINIUM
AUTOMATIC BSI OUTER END - BAR INNER END
ENGINE WASTE HEAT - DUCTED WARM AIR
75
3.5
FLOURESCENT
24.17 tonnes
FLEXIBLE DIAPHRAM / RIGID (GRP) INNER END ONLY
FITTED
NOT FITTED
NOT FITTED

ALTERNATIVES

TRACTION DATA FOR MULTIPLE UNITS

DMMU-BUILDER

WALTER ALEXANDER / BREL

ENGINES

LEYLAND TL11

TRANSMISSION

MECHANICAL -CARDAN SHAFT & FREEWHEEL / 4 SPEED EPICYCLIC REVERSABLE AUTOMATIC GEARBOX / CARDAN SHAFT

BASIC TYPE

DP 240 0A

VARIANTS

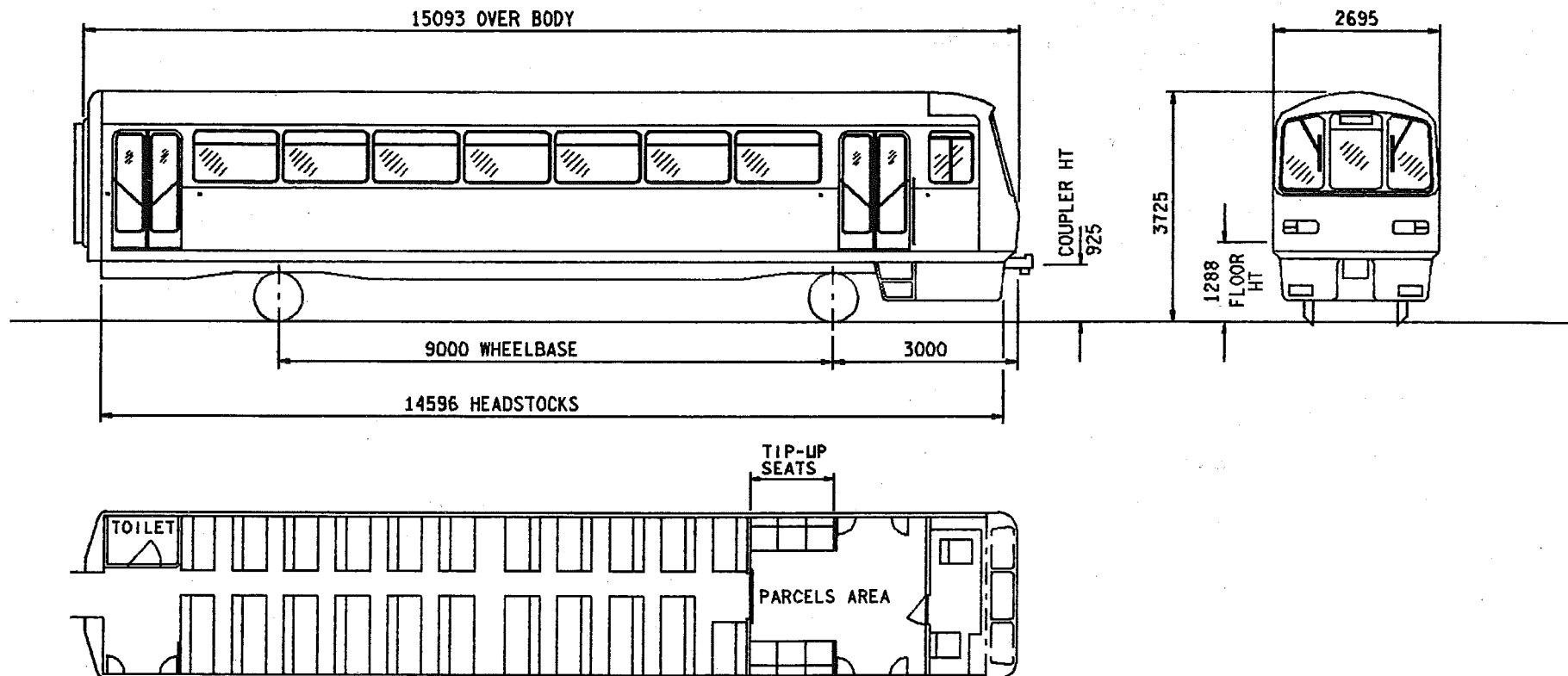
NONE

DRIVING MOTOR SECOND

CLASS 144

DMS

DP 241



SEATS	60
TOILETS	1
COMPARTMENTS	-
GUARDS COMPARTMENTS	1
VENTILATION	-
CATERING EQUIPMENT	-

ISSUE 1 DATE JUL '87

DP 241

BASIC TYPE

ALTERNATIVES

BRAKES
BOGIE/SUSPENSION
BODY CONSTRUCTION
COUPLINGS
TRAIN HEATING
MAX.SPEED M.P.H.
MIN.RAD.CURVE CHAINS
LIGHTING
TARE WEIGHT TONNES
GANGWAYS
A.W.S.
MULTIPLE WORKING CODE SYMBOL
BUFFERS

AIR
Ax1
STEEL/ALUMINIUM
AUTOMATIC BSI OUTER END - BAR INNER END
ENGINE WASTE HEAT - DUCTED WARM AIR
75
3.5
FLOURESCENT
25.04 tonnes
FLEXIBLE DIAPHRAM / RIGID (GRP) INNER END ONLY
FITTED
NOT FITTED
NOT FITTED

TRACTION DATA FOR MULTIPLE UNITS

DMMU-BUILDER

WALTER ALEXANDER / BREL

ENGINES

LEYLAND TL11

TRANSMISSION

MECHANICAL -CARDAN SHAFT & FREEWHEEL / 4 SPEED EPICYCLIC REVERSABLE AUTOMATIC GEARBOX / CARDAN SHAFT

BASIC TYPE

DP 241 OA

VARIANTS

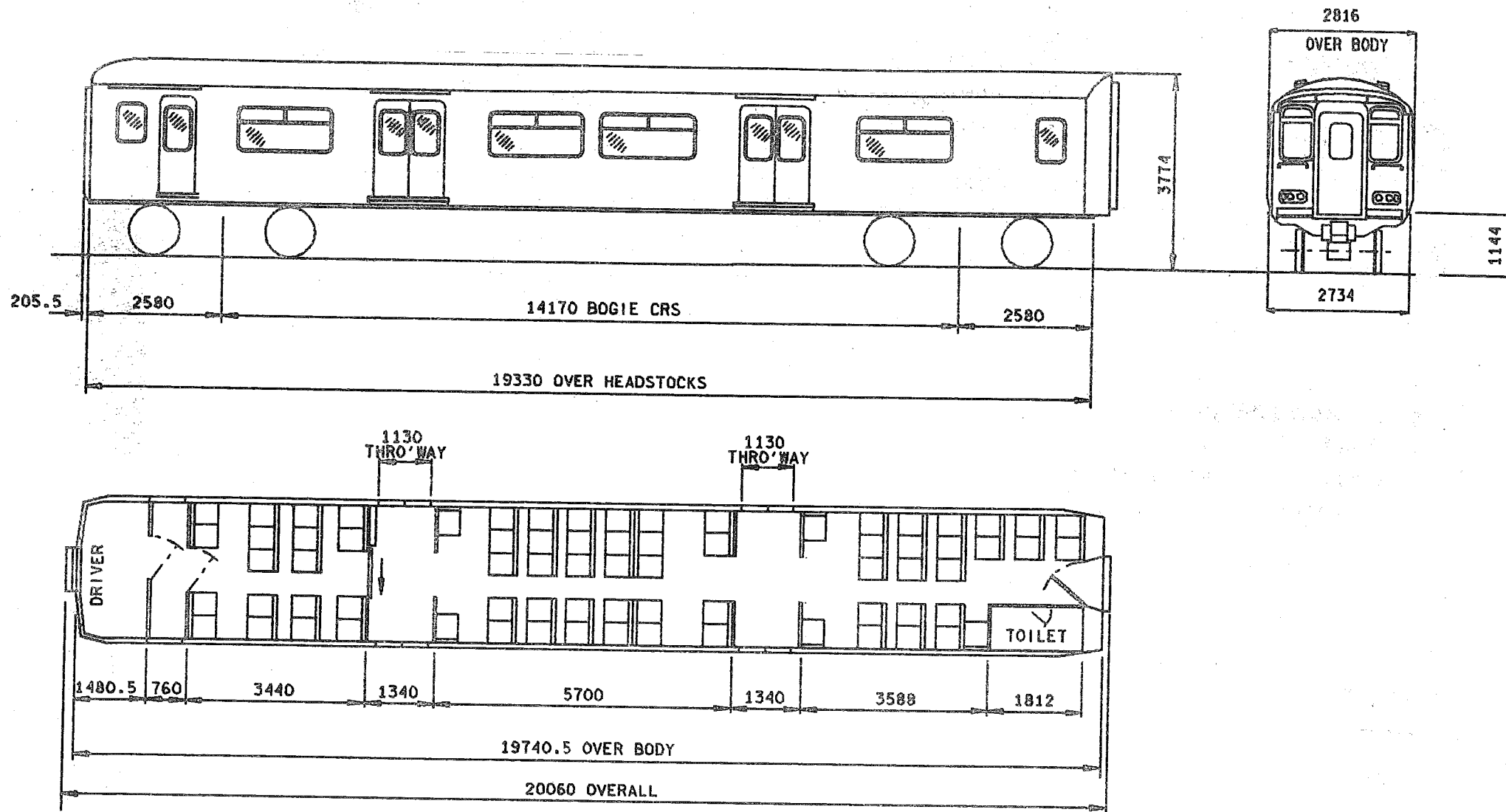
NONE

DRIVING MOTOR SECOND

CLASS 150/2

DMS (A)

DP 242



SEATS	73
TOILETS	1
COMPARTMENTS	-
GUARDS COMPARTMENTS	CAB WHEN TRAILING
VENTILATION	-
CATERING EQUIPMENT	-

ISSUE 1
DATE OCT 86

DP 242

BRAKES
BOGIE/SUSPENSION
BODY CONSTRUCTION
COUPLINGS

TRAIN HEATING
MAX SPEED M.P.H.
MIN.RAD.CURVE CHAINS
LIGHTING
TARE WEIGHT TONNES
GANGWAYS

A.W.S.
TRAIN COMMUNICATION
BUFFERS

BASIC TYPE

AIR
BP38 & BT38
STEEL
BSI AUTOMATIC OUTER END
BSI WITH JUMPER CABLE INNER END
ENGINE WASTE HEAT
75
3.5
FLUORESCENT
37.5 (ESTIMATED)
CENTRALLY SUPPORTED-SWIVELLING-FLEXIBLE
DIAPHRAGM-STEEL FACE PLATE
FITTED
DRIVER/GUARD-PUBLIC ADDRESS WITH TRANSMITTER
NOT FITTED

ALTERNATIVES

TRACTION DATA FOR MULTIPLE UNITS

DMU-BUILDER	BREL YORK
ENGINES	CUMMINS NT855-R5
TRANSMISSION	VOITH/GEMEINDER

BASIC TYPE

DP 242 0A

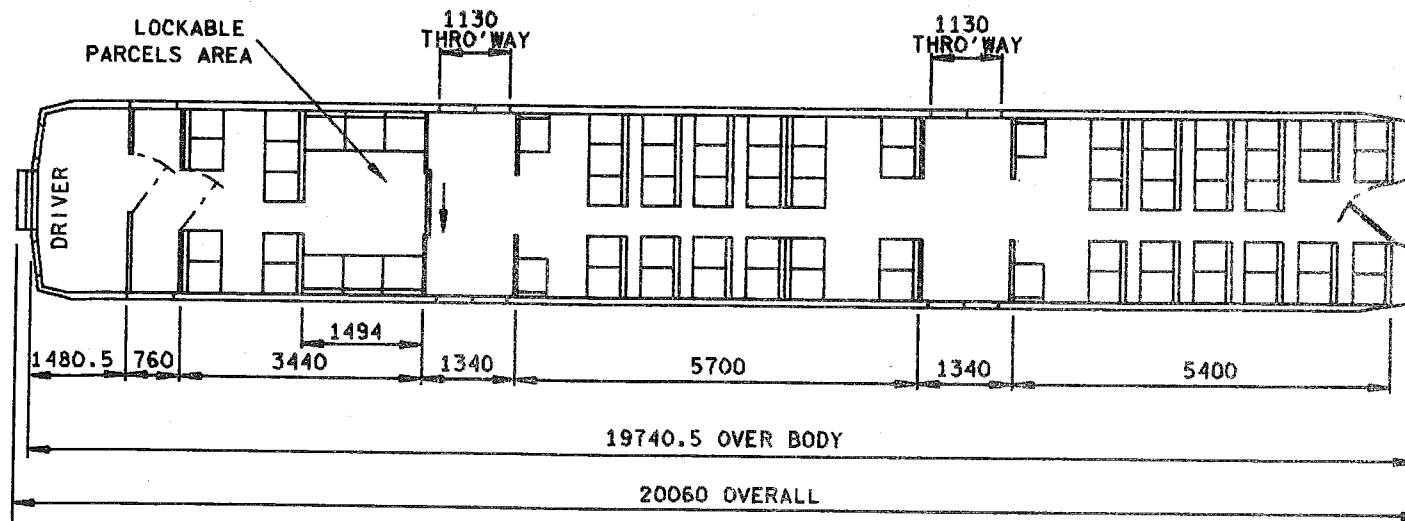
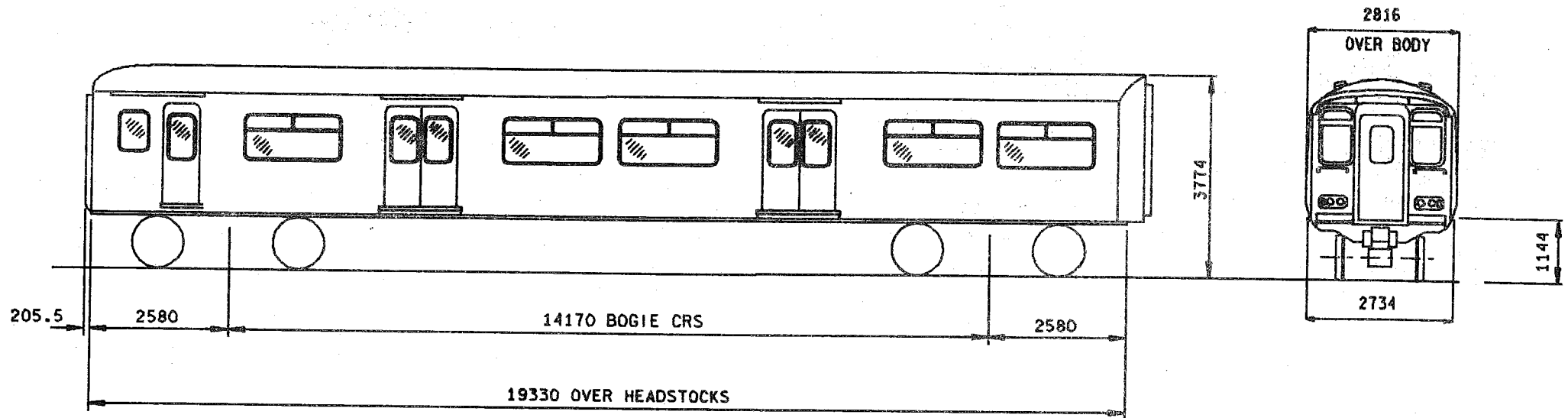
VARIANTS

DRIVING MOTOR SECOND

CLASS 150/2

DMS (B)

DP 243



SEATS	76
TOILETS	-
COMPARTMENTS	-
GUARDS COMPARTMENTS	CAB WHEN TRAILING
VENTILATION	-
CATERING EQUIPMENT	-

ISSUE	DATE
1	OCT 86

DP 243

BRAKES
BOGIE/SUSPENSION
BODY CONSTRUCTION
COUPLINGS

TRAIN HEATING
MAX SPEED M.P.H.
MIN. RAD. CURVE CHAINS
LIGHTING
TARE WEIGHT TONNES
GANGWAYS

A.W.S.
TRAIN COMMUNICATION
BUFFERS

BASIC TYPE

AIR
BP38 & BT38
STEEL
BSI AUTOMATIC OUTER END
BSI WITH JUMPER CABLE INNER END
ENGINE WASTE HEAT
75
3.5
FLUORESCENT
36.5 (ESTIMATED)
CENTRALLY SUPPORTED-SWIVELLING-FLEXIBLE
DIAPHRAGM-STEEL FACE PLATE
FITTED
DRIVER/GUARD-PUBLIC ADDRESS WITH TRANSMITTER
NOT FITTED

ALTERNATIVES

TRACTION DATA FOR MULTIPLE UNITS

DMU-BUILDER	BREL YORK
ENGINES	CUMMINS NT855-R5
TRANSMISSION	VOITH/GEMEINDER

BASIC TYPE

DP 243 OA

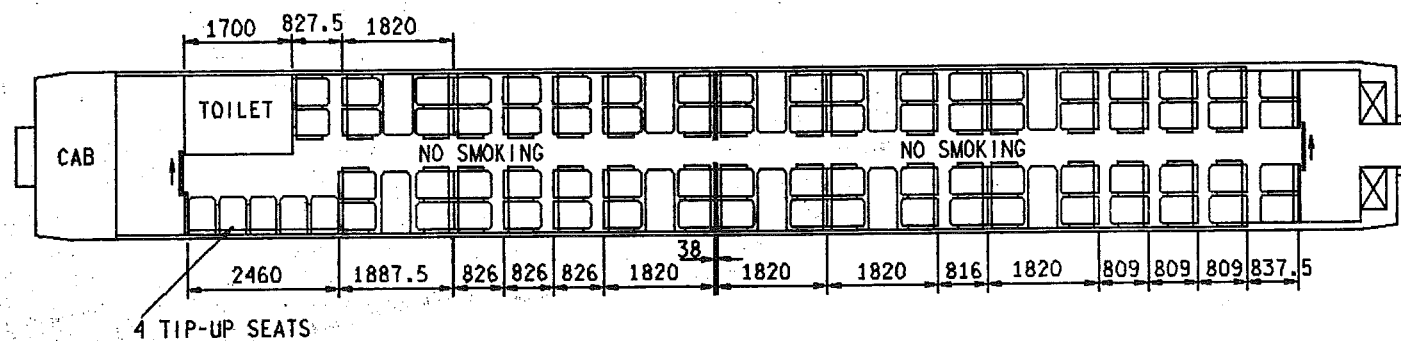
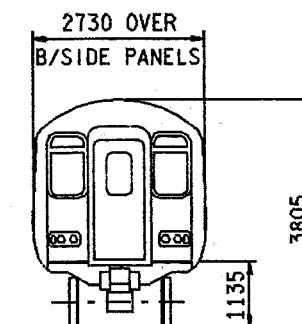
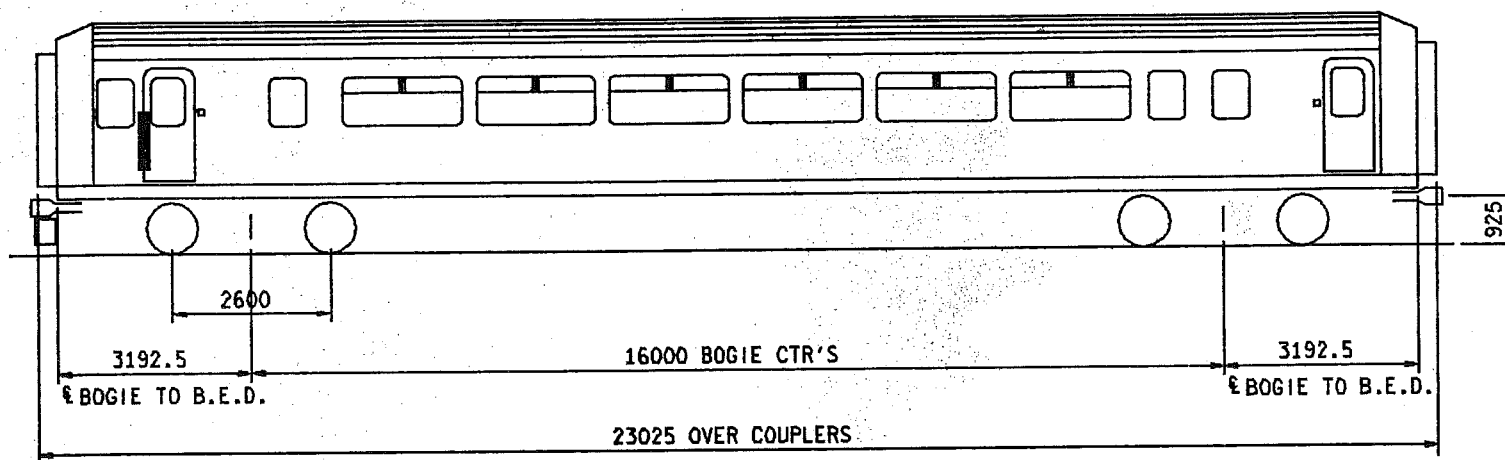
VARIANTS

DRIVING MOTOR SECOND

CLASS 156

DMS(A)

DP 244



SEATS	79
TOILETS	1
COMPARTMENTS	-
GUARDS COMPARTMENTS	-
VENTILATION	-
CATERING EQUIPMENT	-

ISSUE
1

DATE
MAR 87

DP 244

BRAKES
BOGIE/SUSPENSION
BODY CONSTRUCTION
COUPLINGS
TRAIN HEATING
MAX.SPEED M.P.H.
MIN.RAD.CURVE CHAINS
LIGHTING
TARE WEIGHT TONNES
GANGWAYS
A.W.S.
TRAIN COMMUNICATION
BUFFERS

BASIC TYPE

AIR
BT38 & P3-10(ONE OF EACH)
STEEL
BSI AUTOCOUPLER
HOT AIR FROM SINGLE HEAT EXCHANGER
75
4.5
FLUORESCENT
38.6(EST.)
FACEPLATE BOTH ENDS
FITTED
DRIVER/GUARD-PUBLIC ADDRESS WITH TRANSMITTER
NOT FITTED

ALTERNATIVES

TRACTION DATA FOR MULTIPLE UNITS

DMMU-BUILDER
ENGINES
TRANSMISSIONS

METRO-CAMMELL LTD
CUMMINS NT 855-R5
VOITH/GEIEINDER

BASIC TYPE

DP 244 OA

VARIANTS

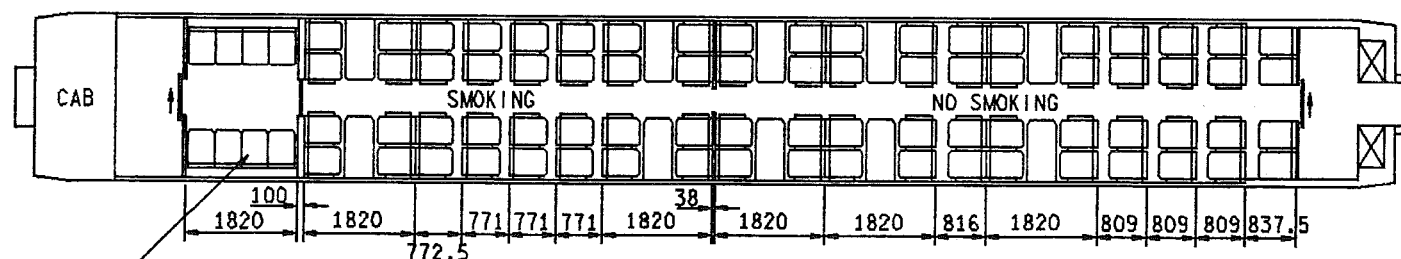
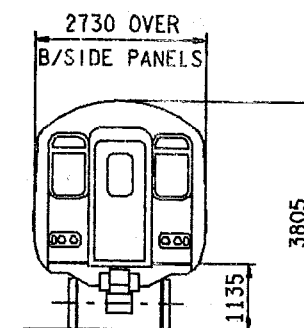
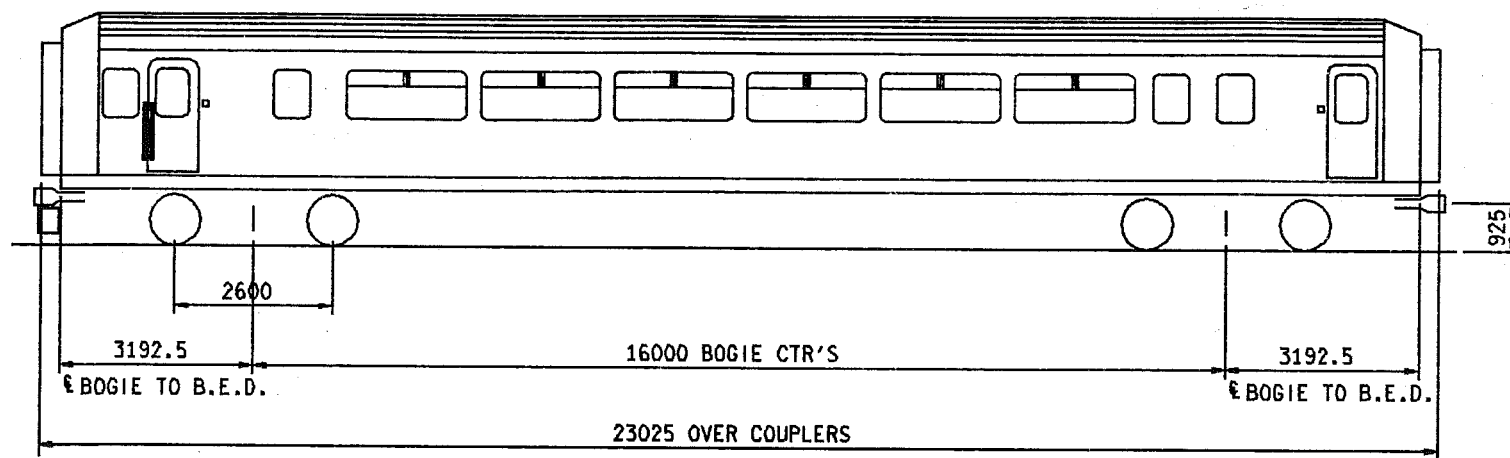
NONE

DRIVING MOTOR SECOND

CLASS 156

DMS(B)

DP 245



LOCKABLE PARCELS AREA
WITH TIP-UP SEATS

SEATS	84
TOILETS	-
COMPARTMENTS	-
GUARDS COMPARTMENTS	-
VENTILATION	-
CATERING EQUIPMENT	-

ISSUE
1

DATE
MAR 87

DP 245

BRAKES
BOGIE/SUSPENSION
BODY CONSTRUCTION
COUPLINGS
TRAIN HEATING
MAX.SPEED M.P.H.
MIN.RAD.CURVE CHAINS
LIGHTING
TARE WEIGHT TONNES
GANGWAYS
A.W.S.
TRAIN COMMUNICATION
BUFFERS

BASIC TYPE

AIR
BT38 & P3-10(ONE OF EACH)
STEEL
BS1 AUTOCOUPLER
HOT AIR FROM SINGLE HEAT EXCHANGER
75
4.5
FLUORESCENT
37.9(EST.)
FACEPLATE BOTH ENDS
FITTED
DRIVER/GUARD-PUBLIC ADDRESS WITH TRANSMITTER
NOT FITTED

ALTERNATIVES

TRACTION DATA FOR MULTIPLE UNITS

DMMU-BUILDER
ENGINES
TRANSMISSIONS

METRO-CAMMELL LTD
CUMMINS NT 855-R5
VOITH/GEOMEINDER

BASIC TYPE

DP 245 0A

VARIANTS

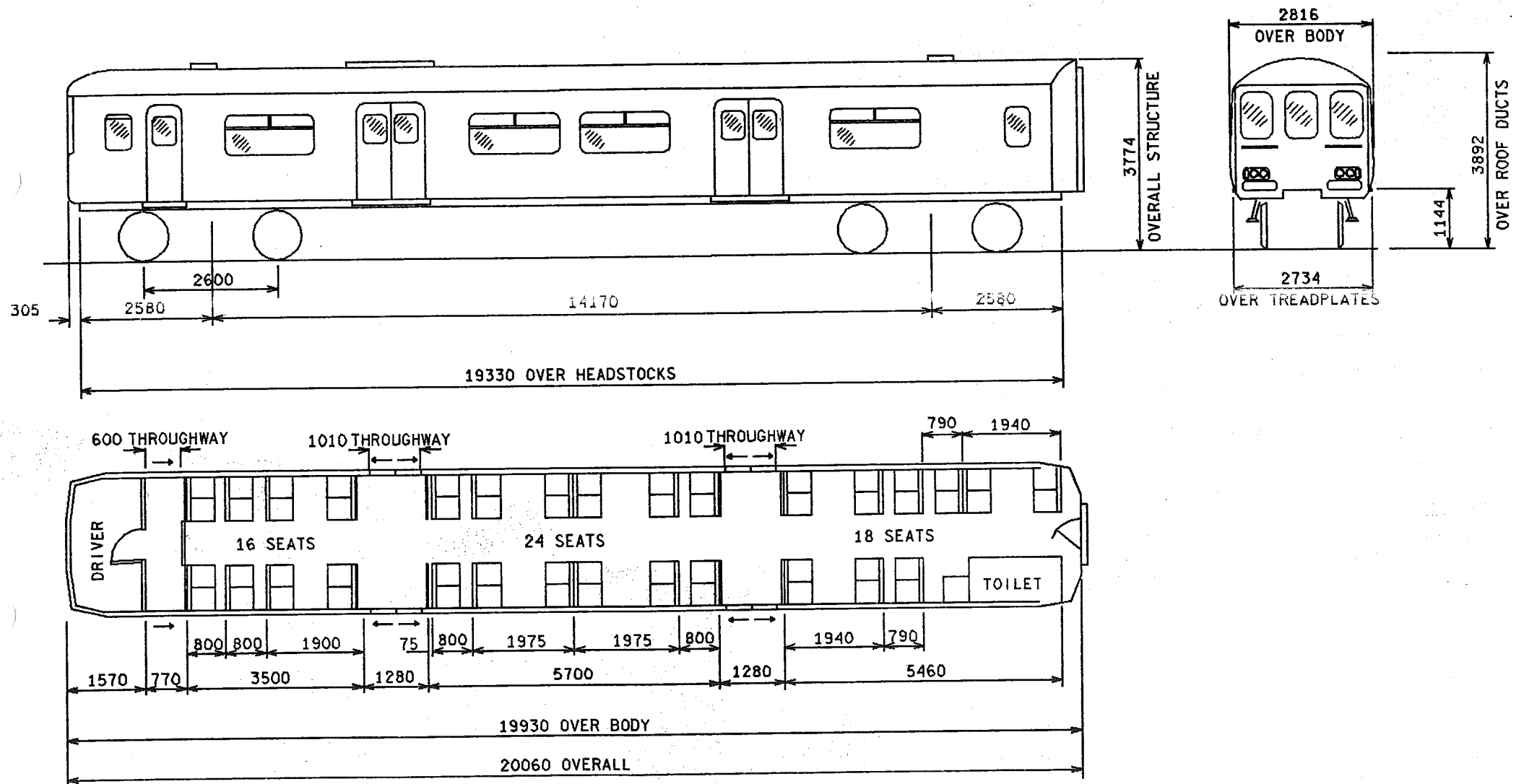
NONE

DRIVING MOTOR SECOND

CLASS 154

DMS (A)

DP 246



SEATS	58
TOILETS	1
COMPARTMENTS	-
GUARDS COMPARTMENTS	CAB WHEN TRAILING
VENTILATION	FULL AIR CONDITIONING
CATERING EQUIPMENT	-

ISSUE 1 DATE MAR 87

DP 246

BASIC TYPE

ALTERNATIVES

BRAKES
BOGIE/SUSPENSION
BODY CONSTRUCTION
COUPLINGS
TRAIN HEATING
MAX SPEED M.P.H.
MIN.RAD.CURVE CHAINS
LIGHTING
TARE WEIGHT TONNES
GANGWAYS
A.W.S.
TRAIN COMMUNICATION
BUFFERS

AIR
BX8Tc & BX8Pe (1 OF EACH)
STEEL
BSI OUTER END-BAR INNER END
ENGINE WASTE HEAT/AIR CONDITIONING
90
3.5
FLUORESCENT
37.9
FLEXIBLE DIAPHRAGM/RIGID(GRP) INNER END
FITTED
DRIVER/GUARD-PUBLIC ADDRESS WITH TRANSMITTER
NOT FITTED

TRACTION DATA FOR MULTIPLE UNITS

DMMU-BUILDER	BREL YORK CONVERTED B.R.EDU DERBY 1986
ENGINES	CUMMINS NTA 855-R1
TRANSMISSION	VOITH

BASIC TYPE

DP 246 0A

VARIANTS

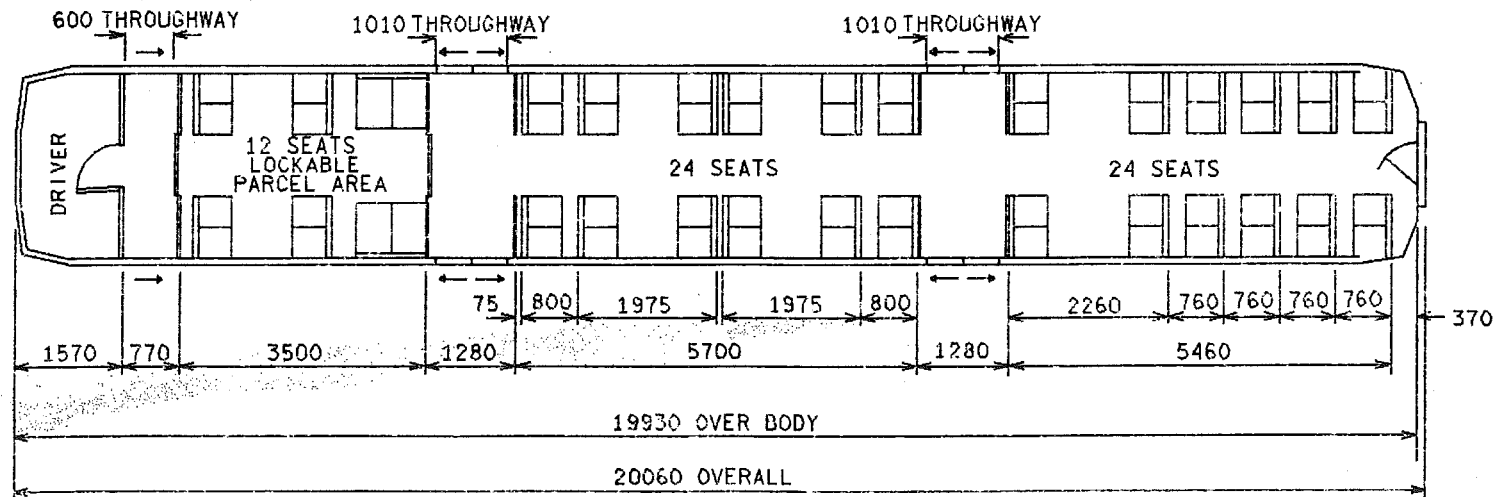
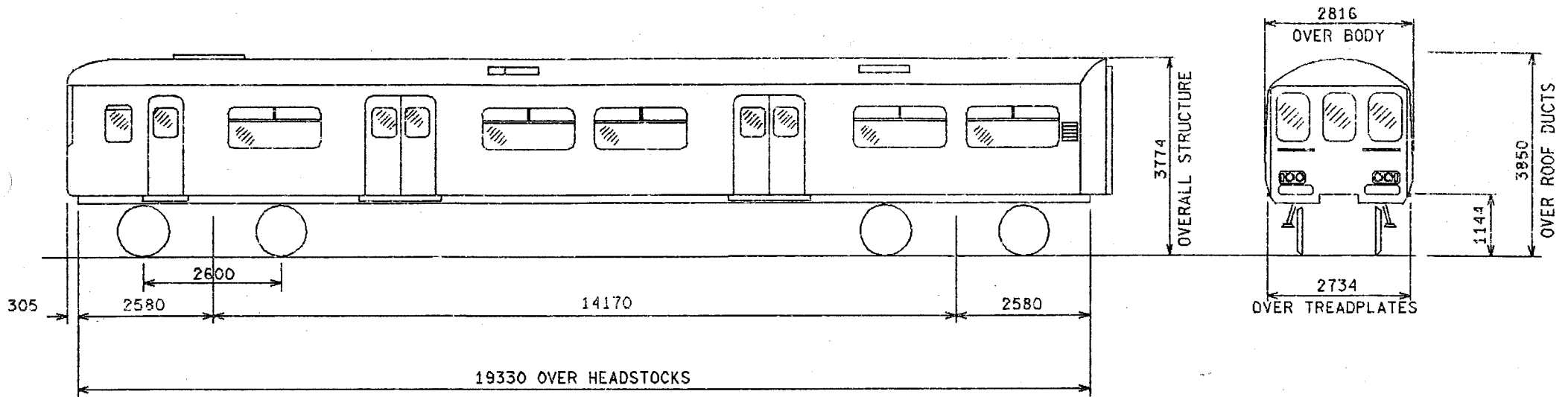
NONE

DRIVING MOTOR SECOND

CLASS 154

DMS (B)

DP 247



SEATS	60
TOILETS	-
COMPARTMENTS	-
GUARDS COMPARTMENTS	CAB WHEN TRAILING
VENTILATION	FULL AIR CONDITIONING
CATERING EQUIPMENT	-

ISSUE 1 DATE MAR 87

DP 247

BASIC TYPE

ALTERNATIVES

BRAKES
BOGIE/SUSPENSION
BODY CONSTRUCTION
COUPLINGS
TRAIN HEATING
MAX SPEED M.P.H.
MIN.RAD.CURVE CHAINS
LIGHTING
TARE WEIGHT TONNES
GANGWAYS
A.W.S.
TRAIN COMMUNICATION
BUFFERS

AIR
BX8Tc & BX8Pe (1 OF EACH)
STEEL
BSI OUTER END-BAR INNER END
ENGINE WASTE HEAT/AIR CONDITIONING
90
3.5
FLUORESCENT
37.9
FLEXIBLE DIAPHRAGM/RIGID(GRP)INNER END
FITTED
DRIVER/GUARD-PUBLIC ADDRESS WITH TRANSMITTER
NOT FITTED

TRACTION DATA FOR MULTIPLE UNITS

DMMU-BUILDER	BREL YORK CONVERTED B.R.EDU DERBY 1986
ENGINES	CUMMINS NTA 855-R1
TRANSMISSION	TWIN DISC

BASIC TYPE

DP 247 0A

VARIANTS

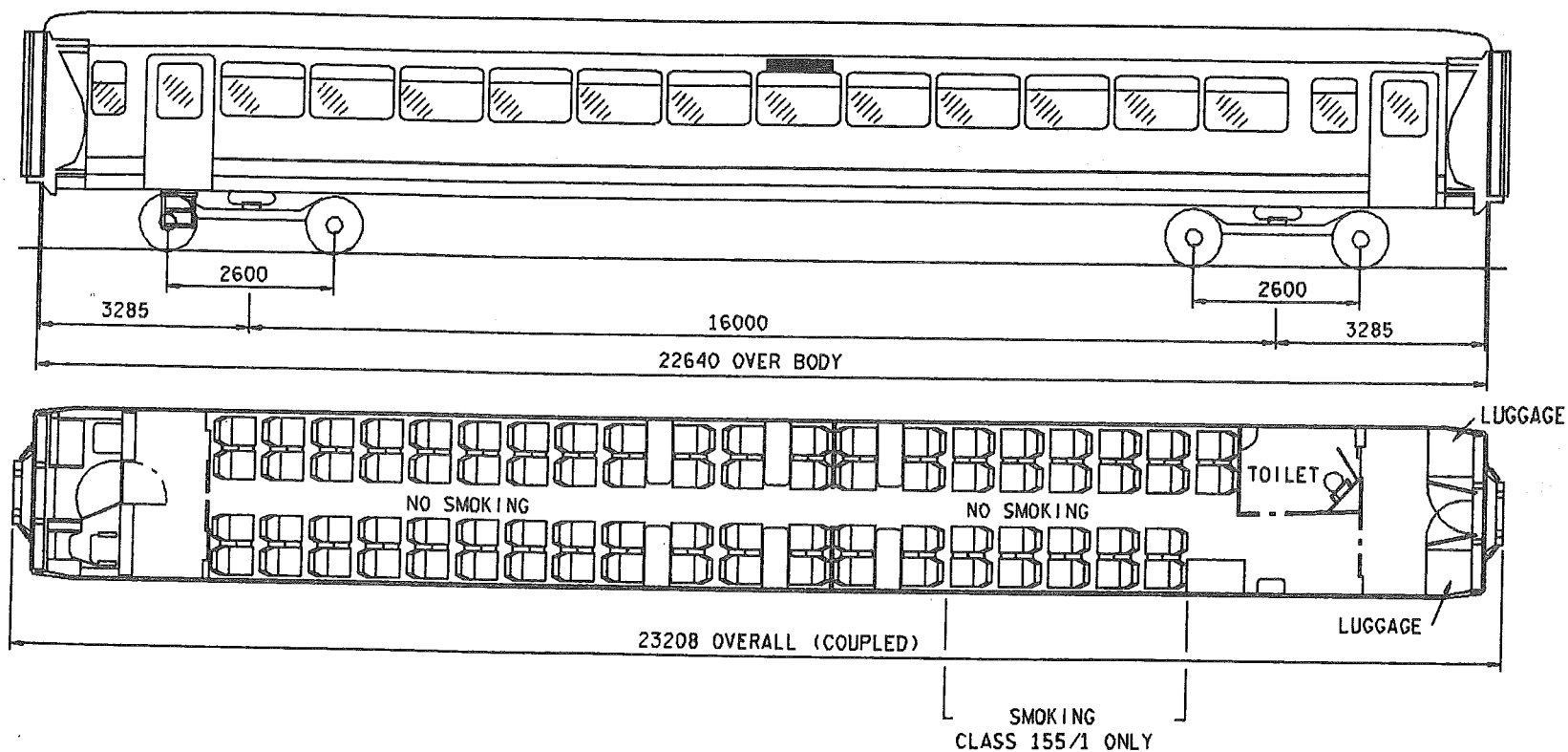
NONE

DRIVING MOTOR STANDARD

CLASS 155
CLASS 155/1

DMS (A)

DP 248



SEATS	81 INCLUDING WHEELCHAIR
TOILETS	1
COMPARTMENTS	-
GUARDS COMPARTMENTS	CAB WHEN TRAILING
VENTILATION	-
CATERING EQUIPMENT	-

ISSUE DATE
1 SEPT 88

DP 248

BRAKES
BOGIE/SUSPENSION
BODY CONSTRUCTION
COUPLINGS
TRAIN HEATING
MAX SPEED M.P.H.
MIN.RAD.CURVE METRES
LIGHTING
TARE WEIGHT TONNES
GANGWAYS
A.W.S.
TRAIN COMMUNICATION
BUFFERS

BASIC TYPE

ELECTRO PNEUMATIC
BT38 & P3-10 (1 OF EACH)
STEEL
BS1 OUTER END-BAR INNER END
WARM AIR - HOT WATER RADIATORS
75
90
FLUORESCENT
38.8
FLEXIBLE DIAPHRAGM/RIGID(GRP) INNER END
FITTED
DRIVER/GUARD-PUBLIC ADDRESS WITH TRANSMITTER
NOT FITTED

ALTERNATIVES

BT38b & P3-10 (1 OF EACH)

39.4

TRACTION DATA FOR MULTIPLE UNITS

DMMU-BUILDER	LEYLAND CLASS 155 1986.CLASS 155/1 1988
ENGINES	CUMMINS NT 855-R5
TRANSMISSION	VOITH

BASIC TYPE

DP 248 0A

VARIANTS

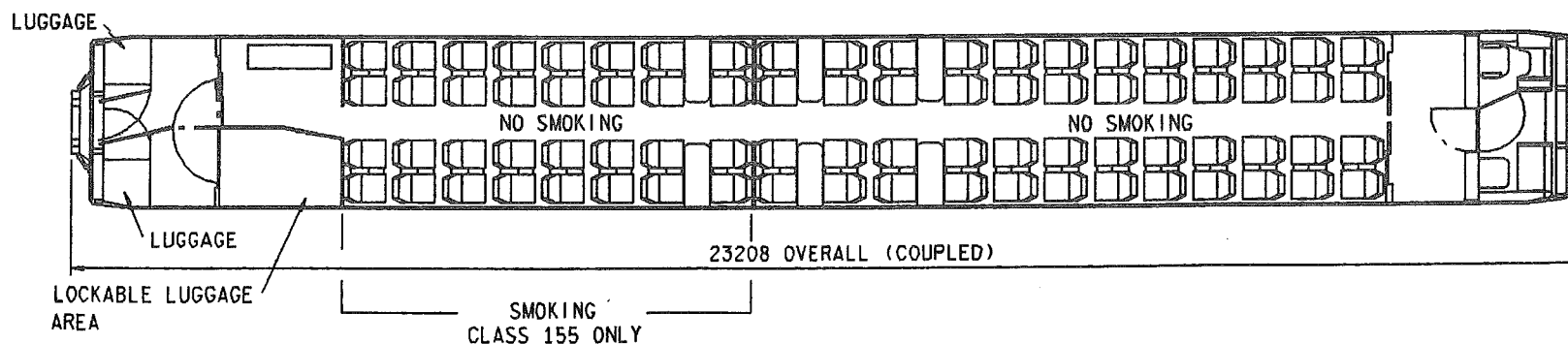
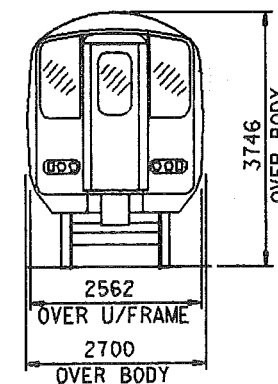
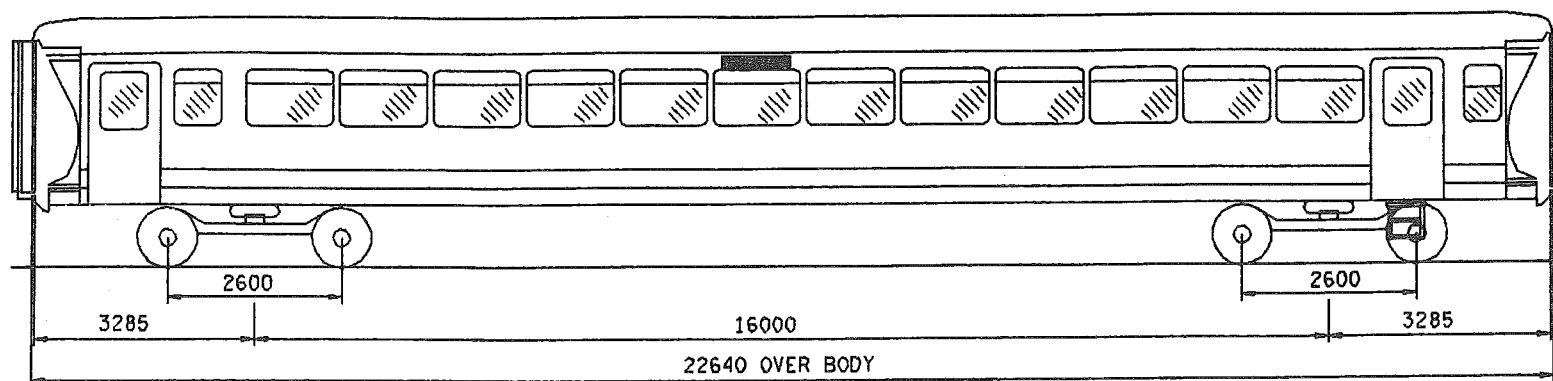
1B CLASS 155/1 BT38b & P3-10 (1 EACH) TARE WEIGHT 39.4 TONNES

DRIVING MOTOR STANDARD

CLASS 155
CLASS 155/1

DMS (B)

DP 249



SEATS	80
TOILETS	-
COMPARTMENTS	-
GUARDS COMPARTMENTS	CAB WHEN TRAILING
VENTILATION	-
CATERING EQUIPMENT	-

ISSUE DATE
1 SEPT 88

DP 249

BRAKES
BOGIE/SUSPENSION
BODY CONSTRUCTION
COUPLINGS
TRAIN HEATING
MAX SPEED M.P.H.
MIN. RAD. CURVE METRES
LIGHTING
TARE WEIGHT TONNES
GANGWAYS
A.W.S.
TRAIN COMMUNICATION
BUFFERS

BASIC TYPE

ELECTRO PNEUMATIC
BT38 & P3-10 (1 OF EACH)
STEEL
BSI OUTER END-BAR INNER END
WARM AIR - HOT WATER RADIATORS
75
90
FLUORESCENT
37.9
FLEXIBLE DIAPHRAGM/RIGID(GRP) INNER END
FITTED
DRIVER/GUARD-PUBLIC ADDRESS WITH TRANSMITTER
NOT FITTED

ALTERNATIVES

BT38b & P3-10 (1 OF EACH)

38.6

TRACTION DATA FOR MULTIPLE UNITS

DMMU-BUILDER	LEYLAND CLASS 155 1986, CLASS 155/1 1988
ENGINES	CUMMINS NT 855-R5
TRANSMISSION	VOITH

BASIC TYPE

DP 249 0A

VARIANTS

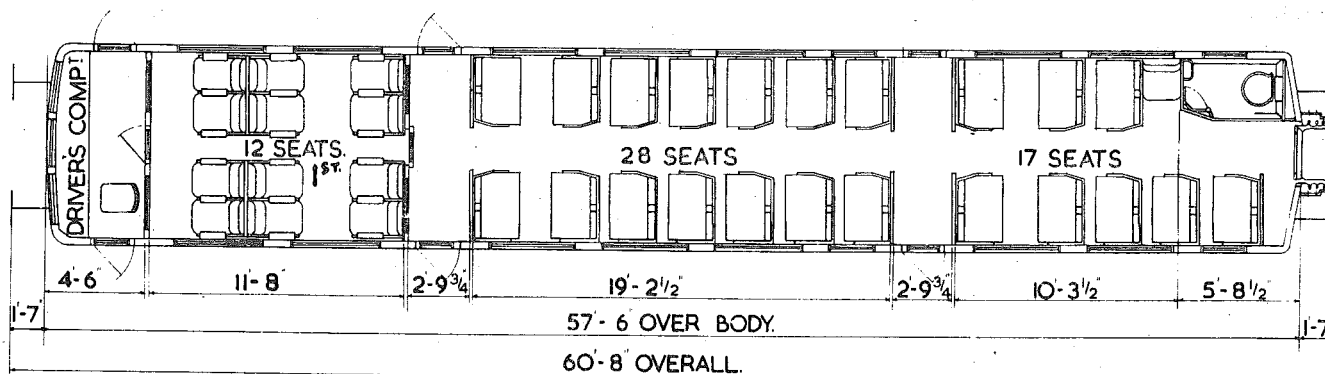
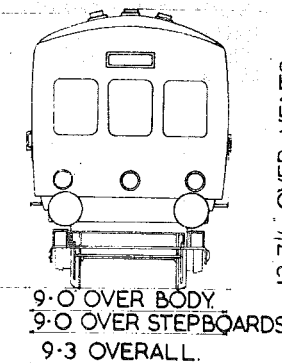
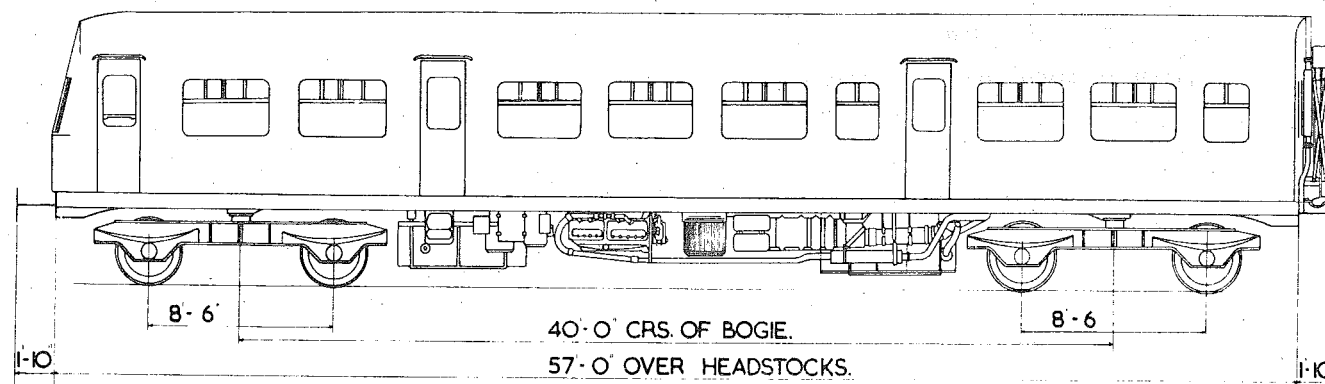
1B CLASS 155/1 BT38b & P3-10 (1 OF EACH) TARE WEIGHT 38.6

DRIVING MOTOR COMPOSITE

CLASS 101

DMC

DP 301



SEATS	12 FIRST CLASS 45 SECOND CLASS
TOILETS	1
COMPARTMENTS	1
GUARDS COMPARTMENTS	1
VENTILATION	1
CATERING EQUIPMENT	1

ORIGINAL DIAGRAMS FOR REFERENCE.-
BR 618

ISSUE 2 DATE MAY '81

DP 301

BRAKES
BOGIE/SUSPENSION
BODY CONSTRUCTION
COUPLINGS
TRAIN HEATING
MAX. SPEED M.P.H.
MIN. RAD. CURVE CHAINS
LIGHTING
TARE WEIGHT TONNES
GANGWAYS
A.W.S.
MULTIPLE WORKING CODE SYMBOL
BUFFERS

BASIC TYPE

VACUUM
DD15 MK 2
STEEL
SCREW
OIL BURNING AIR HEATER
70
3.5
FLUORESCENT & TUNGSTEN
32.5
BRITISH STANDARD-MIDLAND SCISSORS TYPE
FITTED
BLUE SQUARE
SELF CONTAINED-457 DIA.

ALTERNATIVES

TRACTION DATA FOR MULTIPLE UNITS

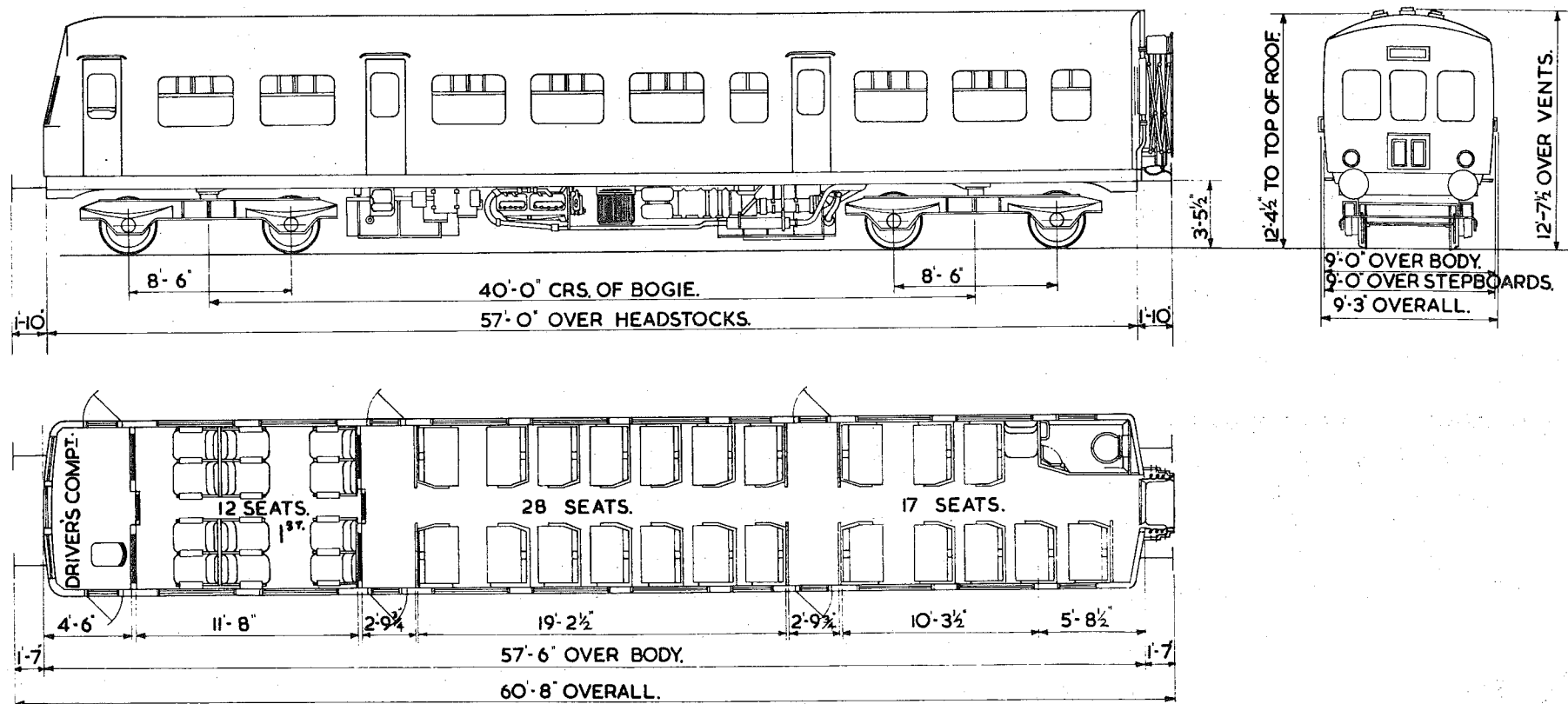
DMMU-BUILDER	METROPOLITAN CAMELL
ENGINES	2 X 150 HP AEC 6 CYL. HORIZONTAL
TRANSMISSION	MECHANICAL-CARDAN SHAFT & FREEWHEEL/4 SPEED EPICYCLIC GEARBOX/CARDAN SHAFT

BASIC TYPE

DP 301 2B-REFURBISHED

VARIANTS

NONE



SEATS	12 FIRST CLASS, 45 SECOND CLASS
TOILETS	1
COMPARTMENTS	-
GUARDS COMPARTMENTS	-
VENTILATION	-
CATERING EQUIPMENT	-

ORIGINAL DIAGRAMS FOR REFERENCE:-
BR 619

ISSUE 3 DATE MAR 88

DP 302

BRAKES
BOGIE/SUSPENSION
BODY CONSTRUCTION
COUPLINGS
TRAIN HEATING
MAX.SPEED M.P.H.
MIN.RAD.CURVE CHAINS
LIGHTING
TARE WEIGHT TONNES
GANGWAYS
A.W.S.
MULTIPLE WORKING CODE SYMBOL
BUFFERS
ENGINES

BASIC TYPE

VACUUM
DD15 MK 2
STEEL
SCREW
OIL BURNING AIR HEATER
70
3.5
TUNGSTEN
32.5
BRITISH STANDARD-MIDLAND SCISSORS TYPE
FITTED
BLUE SQUARE
SELF CONTAINED-457 DIA.
AEC

ALTERNATIVES

FLUORESCENT & TUNGSTEN

LEYLAND

TRACTION DATA FOR MULTIPLE UNITS

DMU-BUILDER METROPOLITAN CAMMELL
ENGINES 2 X 150 HP AEC 6 CYL.-HORIZONTAL OR LEYLAND 680/4041 - SEE VARIANTS
TRANSMISSION MECHANICAL-CARDAN SHAFT & FREEWHEEL/4 SPEED EPICYCLIC GEARBOX/CARDAN SHAFT

BASIC TYPE

DP 302 1A

VARIANTS

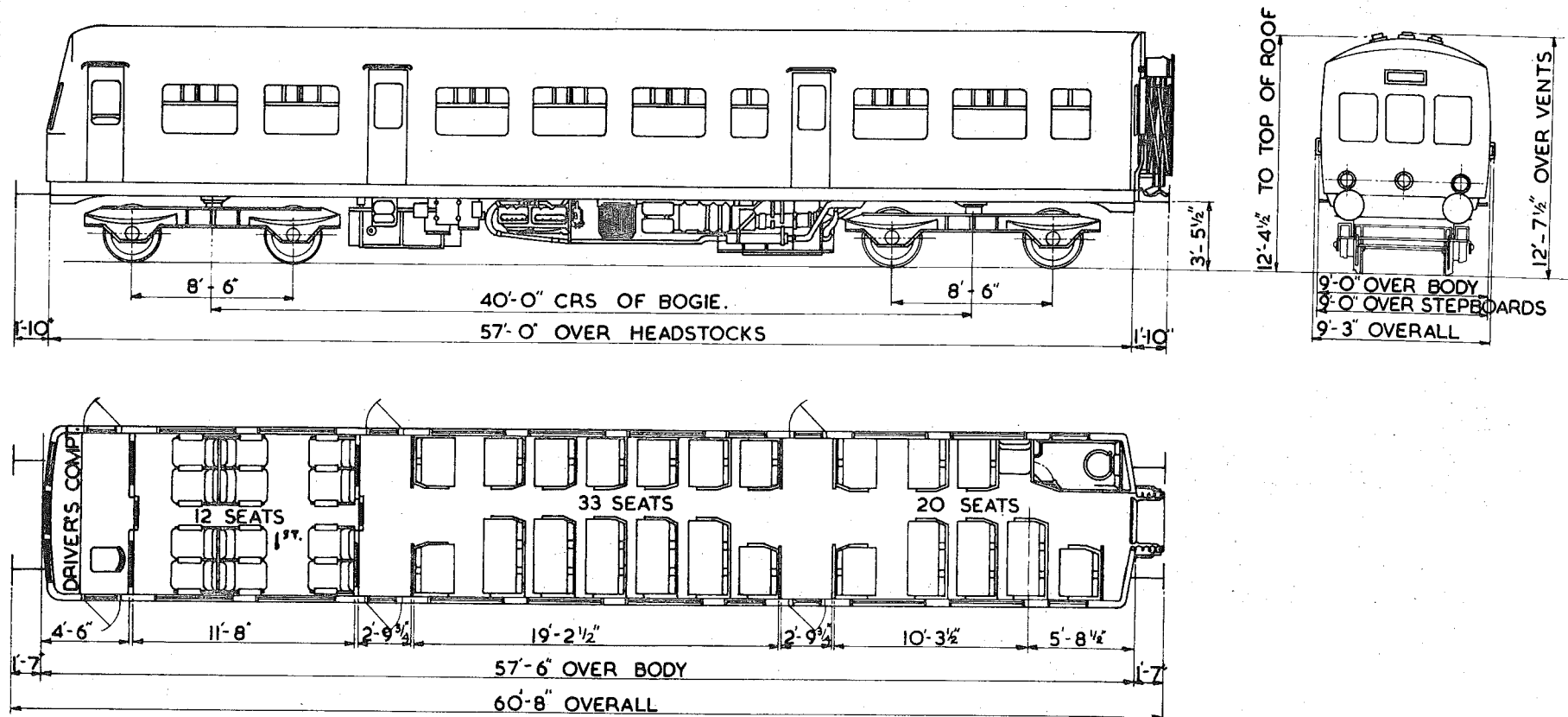
2B REFURBISHED-FLUORESCENT & TUNGSTEN LIGHTING.
2C REFURBISHED-FLUORESCENT & TUNGSTEN LIGHTING, LEYLAND ENGINES.

DRIVING MOTOR COMPOSITE

CLASS 101

DMC

DP 303



SEATS	12 FIRST CLASS, 53 SECOND CLASS
TOILETS	1
COMPARTMENTS	-
GUARDS COMPARTMENTS	-
VENTILATION	-
CATERING EQUIPMENT	-

ORIGINAL DIAGRAMS FOR REFERENCE:-
BR 620

ISSUE 4 DATE MAR 88

DP 303

BRAKES
BOGIE/SUSPENSION
BODY CONSTRUCTION
COUPLINGS
TRAIN HEATING
MAX.SPEED M.P.H.
MIN.RAD.CURVE CHAINS
LIGHTING
TARE WEIGHT TONNES
GANGWAYS
A.W.S.
MULTIPLE WORKING CODE SYMBOL
BUFFERS
ENGINES

BASIC TYPE

VACUUM
DD15 MK 2
STEEL
SCREW
OIL BURNING AIR HEATER
70
3.5
TUNGSTEN
32.5
BRITISH STANDARD-MIDLAND SCISSORS TYPE
FITTED
BLUE SQUARE
SELF CONTAINED-457 DIA.
AEC

ALTERNATIVES

FLUORESCENT & TUNGSTEN

LEYLAND

TRACTION DATA FOR MULTIPLE UNITS

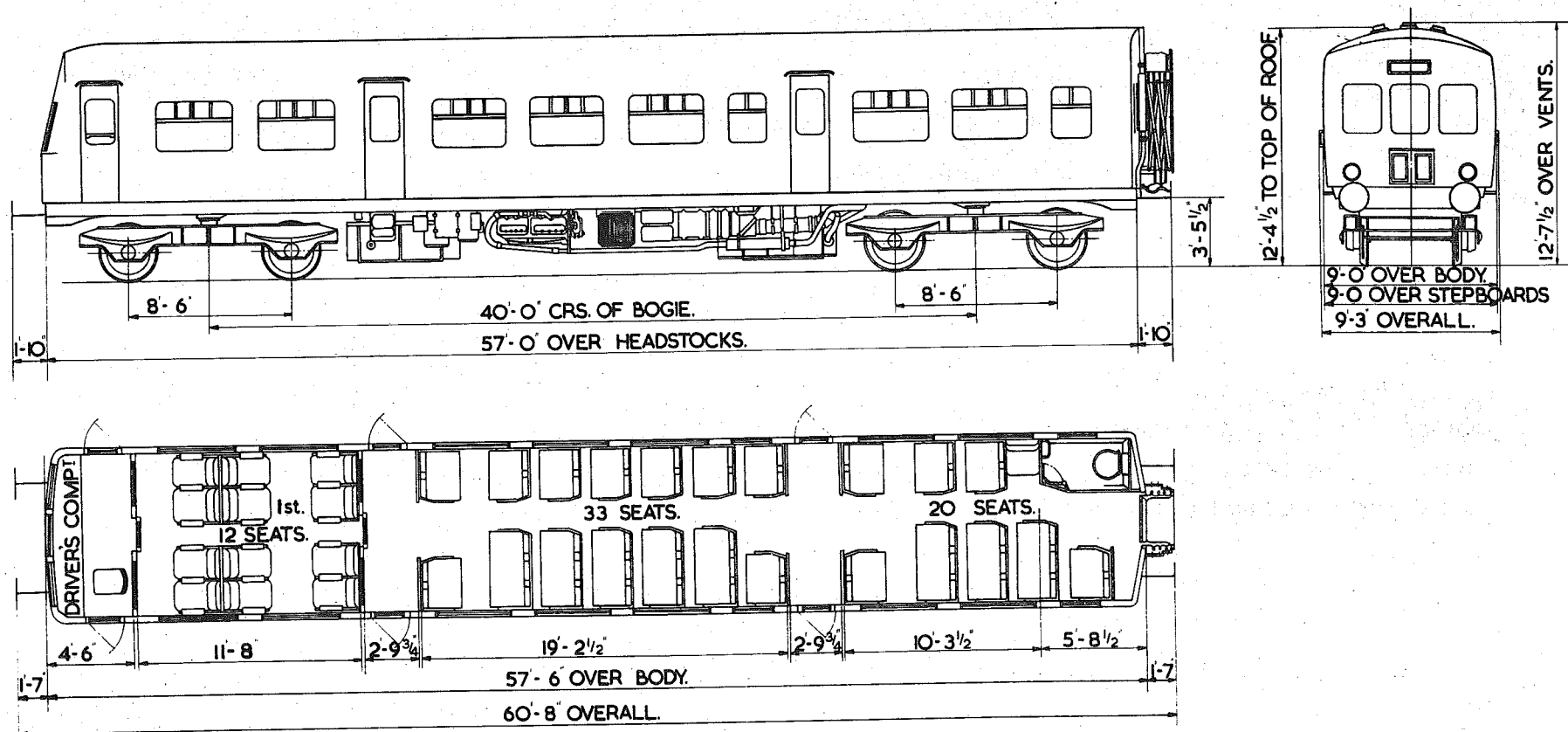
~~DMU~~-BUILDER METROPOLITAN CAMELL
ENGINES 2 X 150 HP AEC 6 CYL.HORIZONTAL OR LEYLAND 680/4041 SEE VARIANTS
TRANSMISSION MECHANICAL-CARDAN SHAFT & FREEWHEEL/4 SPEED EPICYCLIC GEARBOX/CARDAN SHAFT

BASIC TYPE

DP 303 1A

VARIANTS

1C LEYLAND ENGINES.
2B REFURBISHED-FLUORESCENT & TUNGSTEN LIGHTING.
2D REFURBISHED-FLUORESCENT & TUNGSTEN LIGHTING, LEYLAND ENGINES.



SEATS
TOILETS
COMPARTMENTS
GUARDS COMPARTMENTS
VENTILATION
CATERING EQUIPMENT

12 FIRST CLASS 53 SECOND CLASS

1
-
-
-

ORIGINAL DIAGRAMS FOR REFERENCE:-
BR 621

ISSUE
3

DATE
DEC 85

DP 304

BRAKES
BOGIE/SUSPENSION
BODY CONSTRUCTION
COUPLINGS
TRAIN HEATING
MAX.SPEED M.P.H.
MIN.RAD.CURVE CHAINS
LIGHTING
TARE WEIGHT TONNES
GANGWAYS
A.W.S.
MULTIPLE WORKING CODE SYMBOL
BUFFERS
ENGINE

BASIC TYPE

VACUUM
DD15 MK 3
STEEL
SCREW
OIL BURNING AIR HEATER
70
3.5
TUNGSTEN
32.5
BRITISH STANDARD-MIDLAND SCISSORS TYPE
NOT FITTED
BLUE SQUARE
SELF CONTAINED-457 DIA.
AEC

ALTERNATIVES

DD15 MK 2

FLUORESCENT & TUNGSTEN

FITTED

LEYLAND

TRACTION DATA FOR MULTIPLE UNITS

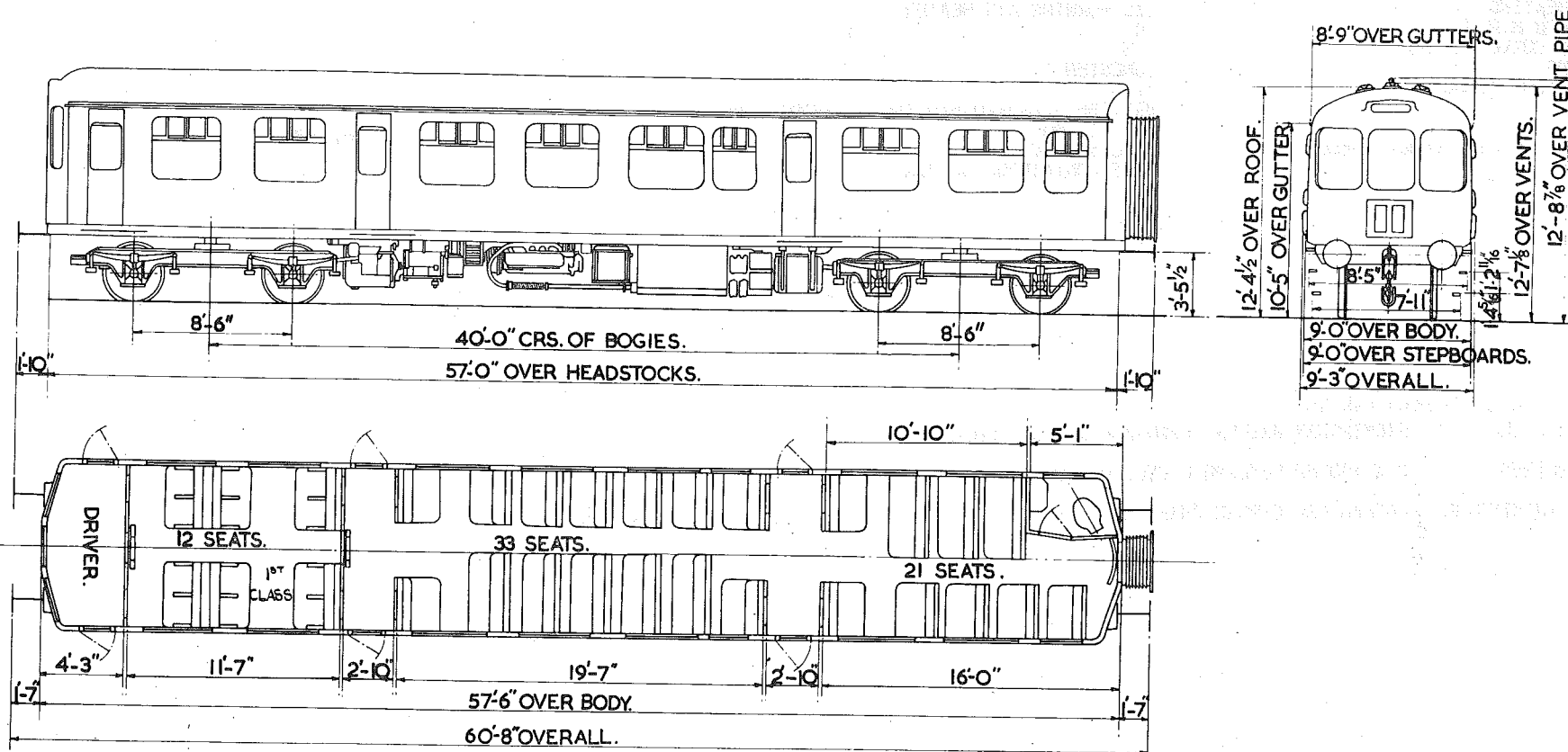
DMU-BUILDER	METROPOLITAN CAMMELL
ENGINES	2 X 150 HP AEC 6 CYL.HORIZONTAL OR 2 X 150 HP LEYLAND 6 CYL.HORIZONTAL-SEE VARIANTS
TRANSMISSION	MECHANICAL-CARDAN SHAFT & FREEWHEEL/4 SPEED EPICYCLIC GEARBOX/CARDAN SHAFT

BASIC TYPE

DP 304 0B

VARIANTS

1C A.W.S.FITTED,LEYLAND ENGINES.
2E REFURBISHED-FLUORESCENT & TUNGSTEN LIGHTING,A.W.S.FITTED,DD15 MK 2 BOGIES.
2F REFURBISHED-FLUORESCENT & TUNGSTEN LIGHTING,A.W.S.FITTED,LEYLAND ENGINES,DD15 MK 2 BOGIES.
2G REFURBISHED-FLUORESCENT & TUNGSTEN LIGHTING,A.W.S.FITTED.
2H REFURBISHED-FLUORESCENT & TUNGSTEN LIGHTING,A.W.S.FITTED,LEYLAND ENGINES.



SEATS	12 FIRST CLASS, 54 SECOND CLASS
TOILETS	1
COMPARTMENTS	1
GUARDS COMPARTMENTS	1
VENTILATION	1
CATERING EQUIPMENT	1

ORIGINAL DIAGRAMS FOR REFERENCE.-
BR 558

ISSUE 2 DATE MAY '81

DP 305

BRAKES
BOGIE/SUSPENSION
BODY CONSTRUCTION
COUPLINGS
TRAIN HEATING
MAX. SPEED M.P.H.
MIN. RAD. CURVE CHAINS
LIGHTING
TARE WEIGHT TONNES
GANGWAYS
A.V.S.
MULTIPLE WORKING CODE SYMBOL
BUFFERS

BASIC TYPE

VACUUM
DD14 MK 1
STEEL
SCREW
OIL BURNING AIR HEATER
70
3.5
TUNGSTEN
31.5
BRITISH STANDARD-MIDLAND SCISSORS TYPE
NOT FITTED
BLUE SQUARE
SELF CONTAINED-457 DIA.

ALTERNATIVES

FITTED

TRACTION DATA FOR MULTIPLE UNITS

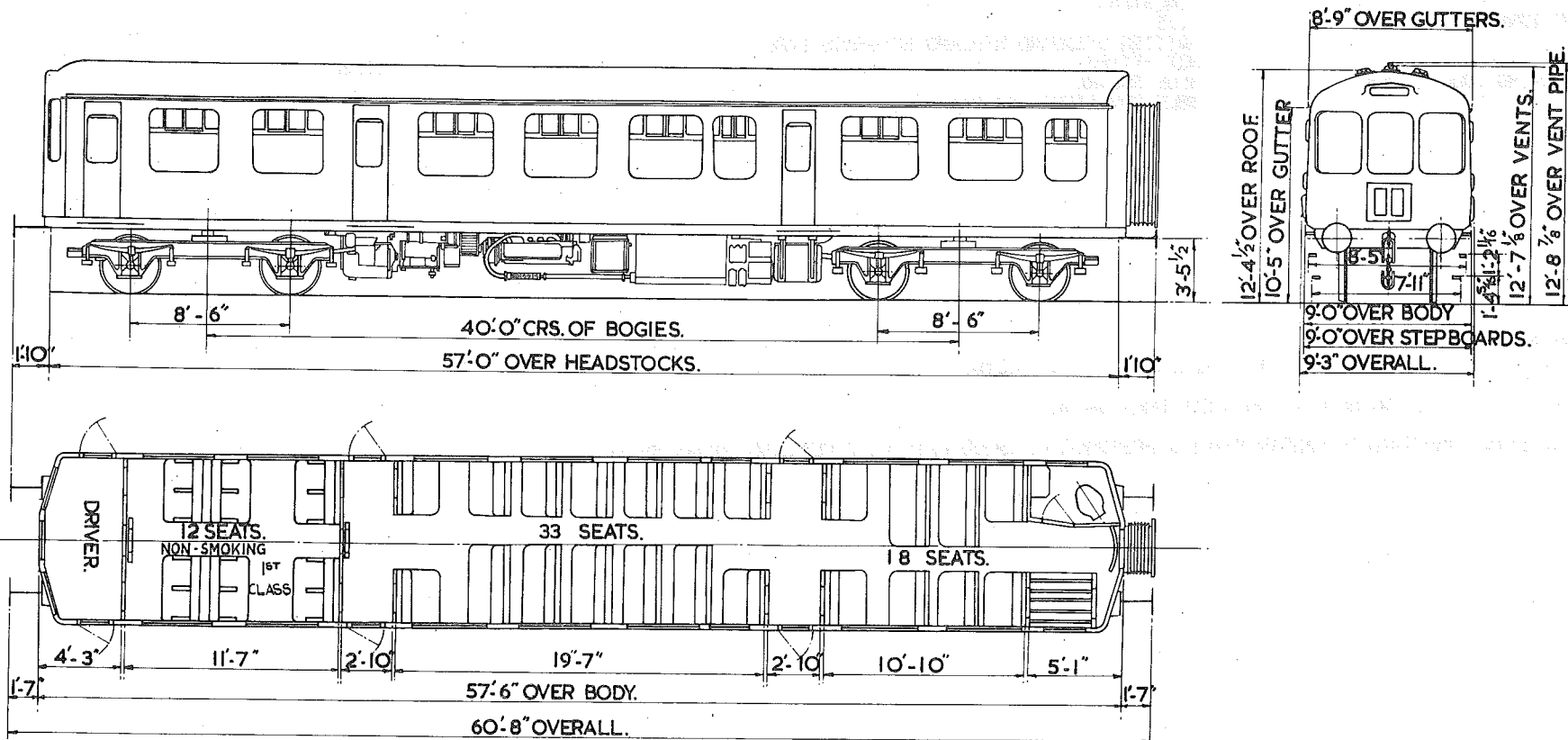
DMU-BUILDER	BIRMINGHAM RAILWAY CARRIAGE & WAGON CO.LTD.
ENGINES	2 X 150 HP LEYLAND 6 CYL.HORIZONTAL
TRANSMISSION	MECHANICAL-CARDAN SHAFT & FREEWHEEL/4 SPEED EPICYCLIC GEARBOX/CARDAN SHAFT

BASIC TYPE

DP 305 0A

VARIANTS

1A A.V.S.FITTED.



SEATS	12 FIRST CLASS 51 SECOND CLASS
TOILETS	1
COMPARTMENTS	-
GUARDS COMPARTMENTS	-
VENTILATION	-
CATERING EQUIPMENT	-

ORIGINAL DIAGRAMS FOR REFERENCE, -
BR 559

ISSUE 2 DATE MAY '01

DP 306

BRAKES
BOGIE/SUSPENSION
BODY CONSTRUCTION
COUPLINGS
TRAIN HEATING
MAX. SPEED M.P.H.
MIN. RAD. CURVE CHAINS
LIGHTING
TARE WEIGHT TONNES
GANGWAYS
A.V.S.
MULTIPLE WORKING CODE SYMBOL
BUFFERS

BASIC TYPE

VACUUM
DB14 MK 1
STEEL
SCREW
OIL BURNING AIR HEATER
70
3.5
TUNGSTEN
31.5
BRITISH STANDARD-MIDLAND SCISSORS TYPE
NOT FITTED
BLUE SQUARE
SELF CONTAINED-457 DIA.

ALTERNATIVES

FITTED

TRACTION DATA FOR MULTIPLE UNITS

DMU-BUILDER BIRMINGHAM RAILWAY CARRIAGE & WAGON CO.LTD.
ENGINES 2 X 150 HP LEYLAND 6 CYL.HORIZONTAL
TRANSMISSION MECHANICAL-CARDAN SHAFT & FREEWHEEL/4 SPEED EPICYCLIC GEARBOX/CARDAN SHAFT

BASIC TYPE

DP 306 0A

VARIANTS

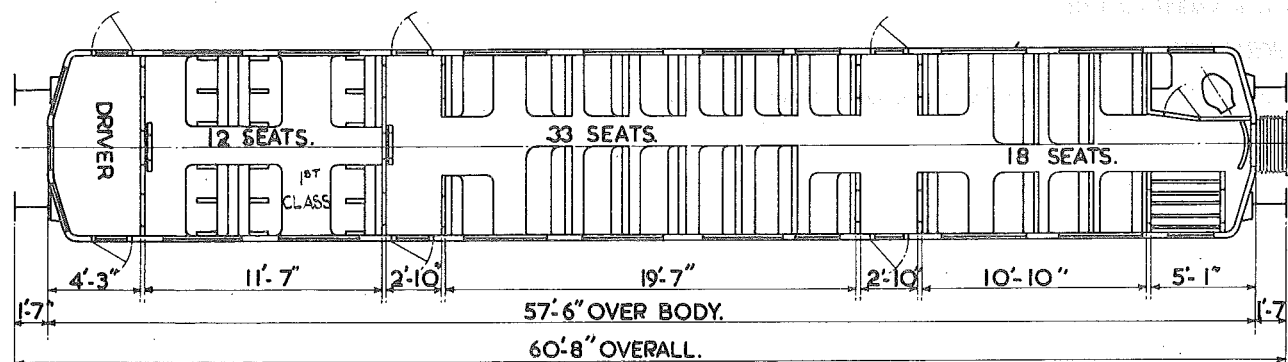
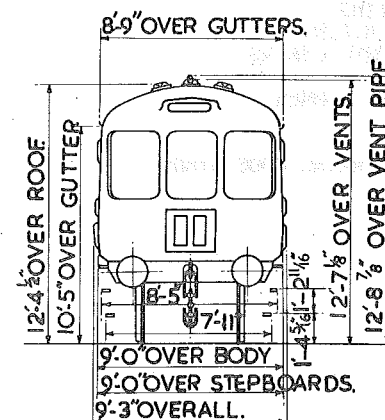
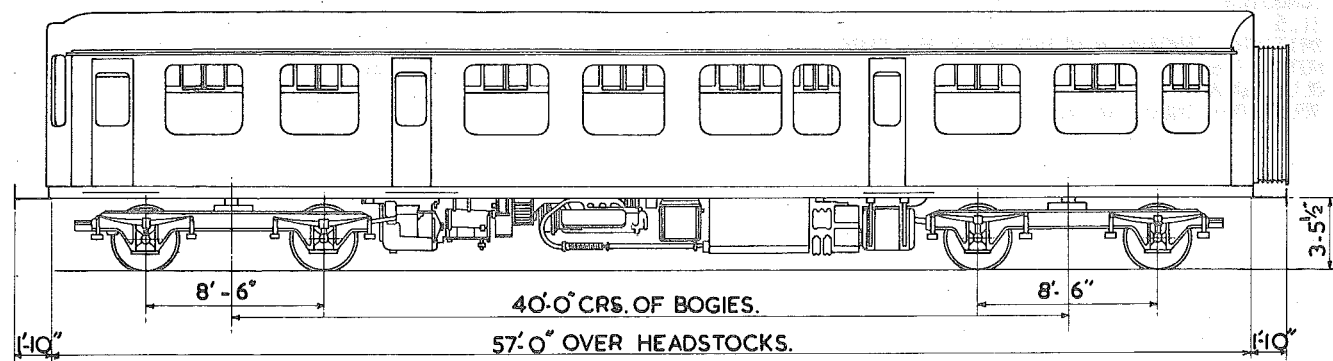
1A A.V.S.FITTED.

DRIVING MOTOR COMPOSITE

CLASS 104

DMC

DP 307



SEATS	12 FIRST CLASS 51 SECOND CLASS
TOILETS	1
COMPARTMENTS	-
GUARDS COMPARTMENTS	-
VENTILATION	-
CATERING EQUIPMENT	-

ORIGINAL DIAGRAMS FOR REFERENCE.-
BR 580

ISSUE 2 DATE MAY '81

DP 307

BRAKES
BOGIE/SUSPENSION
BODY CONSTRUCTION
COUPLINGS
TRAIN HEATING
MAX.SPEED H.P.H.
MIN.RAD.CURVE CHAINS
LIGHTING
TARE WEIGHT TONNES
GANGWAYS
A.V.S.
MULTIPLE WORKING CODE SYMBOL
BUFFERS

BASIC TYPE

VACUUM
DD14 MK 1
STEEL
SCREW
OIL BURNING AIR HEATER
70
3.5
TUNGSTEN
31.5
BRITISH STANDARD-MIDLAND SCISSORS TYPE
NOT FITTED
BLUE SQUARE
SELF CONTAINED-457 DIA.

ALTERNATIVES

FITTED

TRACTION DATA FOR MULTIPLE UNITS

DMU-BUILDER BIRMINGHAM RAILWAY CARRIAGE & WAGON CO.LTD.
ENGINES 2 X 150 HP LEYLAND 6 CYL.HORIZONTAL
TRANSMISSION MECHANICAL-CARDAN SHAFT & FREEWHEEL/4 SPEED EPICYCLIC GEARBOX/CARDAN SHAFT

BASIC TYPE

DP 307 0A

VARIANTS

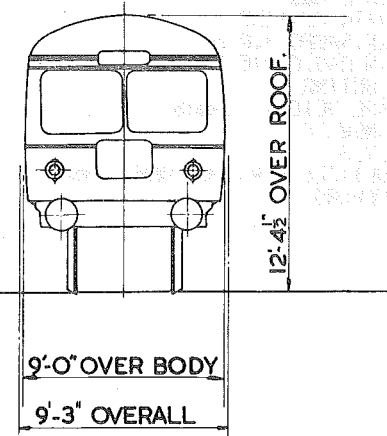
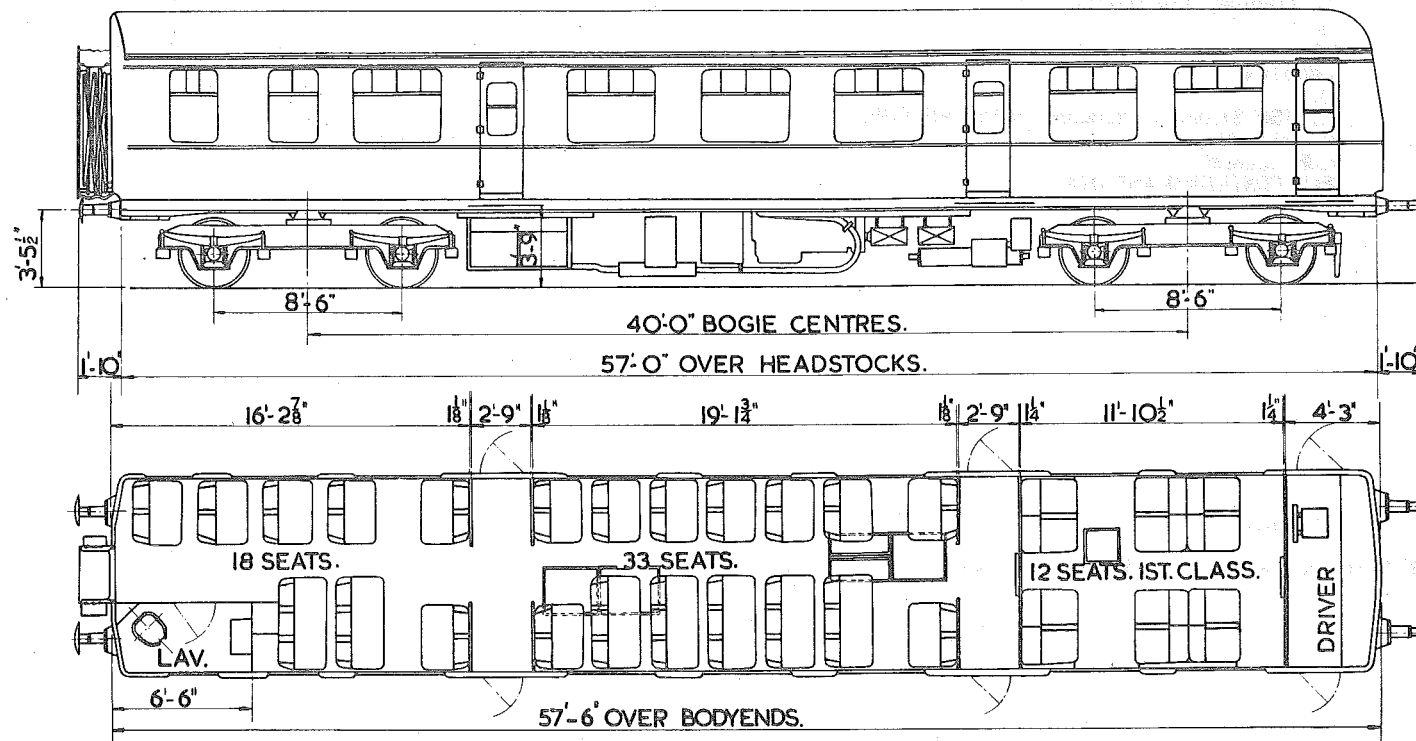
1A A.W.S.FITTED.

DRIVING MOTOR COMPOSITE

CLASS 105

DMC

DP 308



SEATS	12 FIRST CLASS 51 SECOND CLASS
TOILETS	1
COMPARTMENTS	-
GUARDS COMPARTMENTS	-
VENTILATION	-
CATERING EQUIPMENT	-

ORIGINAL DIAGRAMS FOR REFERENCE:-
BR 529

ISSUE 2 DATE MAY '81

DP 308

BRAKES
BOGIE/SUSPENSION
BODY CONSTRUCTION
COUPLINGS
TRAIN HEATING
MAX. SPEED M.P.H.
MIN. RAD. CURVE CHAINS
LIGHTING
TARE WEIGHT TONNES
GANGWAYS
A.W.S.
MULTIPLE WORKING CODE SYMBOL
BUFFERS

BASIC TYPE

VACUUM
DD8 MK 1
STEEL
SCREW
OIL BURNING AIR HEATER
70
3.5
TUNGSTEN
30.5
BRITISH STANDARD-MIDLAND SCISSORS TYPE
NOT FITTED
BLUE SQUARE
SELF CONTAINED-457 DIA.

ALTERNATIVES

FITTED

TRACTION DATA FOR MULTIPLE UNITS

DMU-BUILDER	CRAVENS
ENGINES	2 X 150 HP AEC 6 CYL. HORIZONTAL
TRANSMISSION	MECHANICAL-CARDAN SHAFT & FREEWHEEL/4 SPEED EPICYCLIC GEARBOX/CARDAN SHAFT

BASIC TYPE

DP 308 0A

VARIANTS

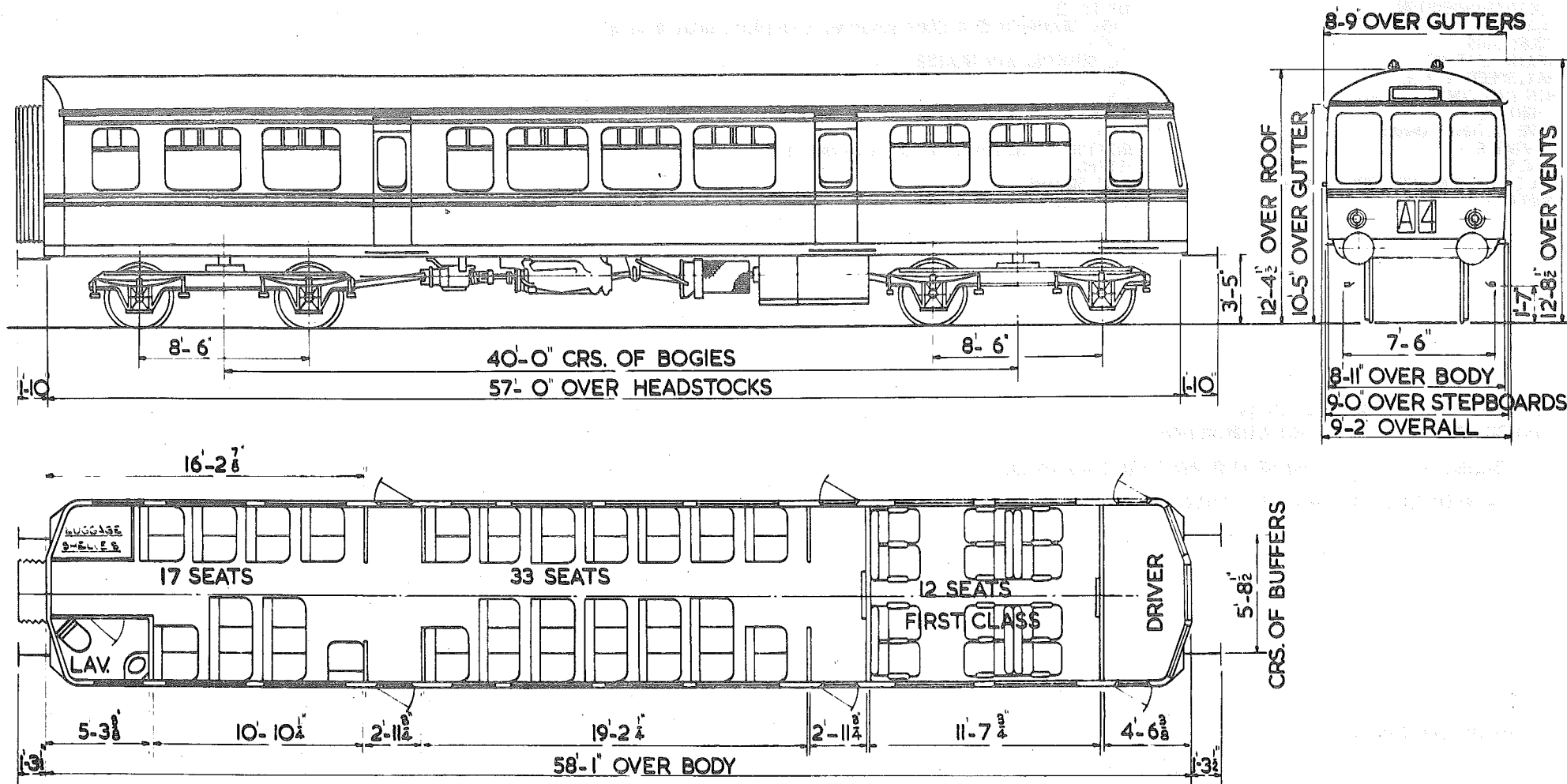
1A A.W.S. FITTED.

DRIVING MOTOR COMPOSITE

CLASS 108

DMC

DP 310



SEATS
TOILETS
COMPARTMENTS
GUARDS COMPARTMENTS
VENTILATION
CATERING EQUIPMENT

12 FIRST CLASS 50 SECOND CLASS

1
-
-
-
-

ORIGINAL DIAGRAMS FOR REFERENCE.-
BR 544

ISSUE 2
DATE MAY' 81

DP 310

BRAKES
BOGIE/SUSPENSION
BODY CONSTRUCTION
COUPLINGS
TRAIN HEATING
MAX. SPEED M.P.H.
MIN. RAD. CURVE CHAINS
LIGHTING
TARE WEIGHT TONNES
GANGWAYS
A.V.S.
MULTIPLE WORKING CODE SYMBOL
BUFFERS

BASIC TYPE

VACUUM
DD7 MK 2
STEEL UNDERFRAME & BODY FRAMING-ALUMINIUM BODY & ROOF
SCREW
OIL BURNING AIR HEATER
70
3.5
FLUORESCENT & TUNGSTEN
28.5
BRITISH STANDARD-MIDLAND SCISSORS TYPE
FITTED
BLUE SQUARE
SELF CONTAINED-457 DIA.

ALTERNATIVES

TRACTION DATA FOR MULTIPLE UNITS

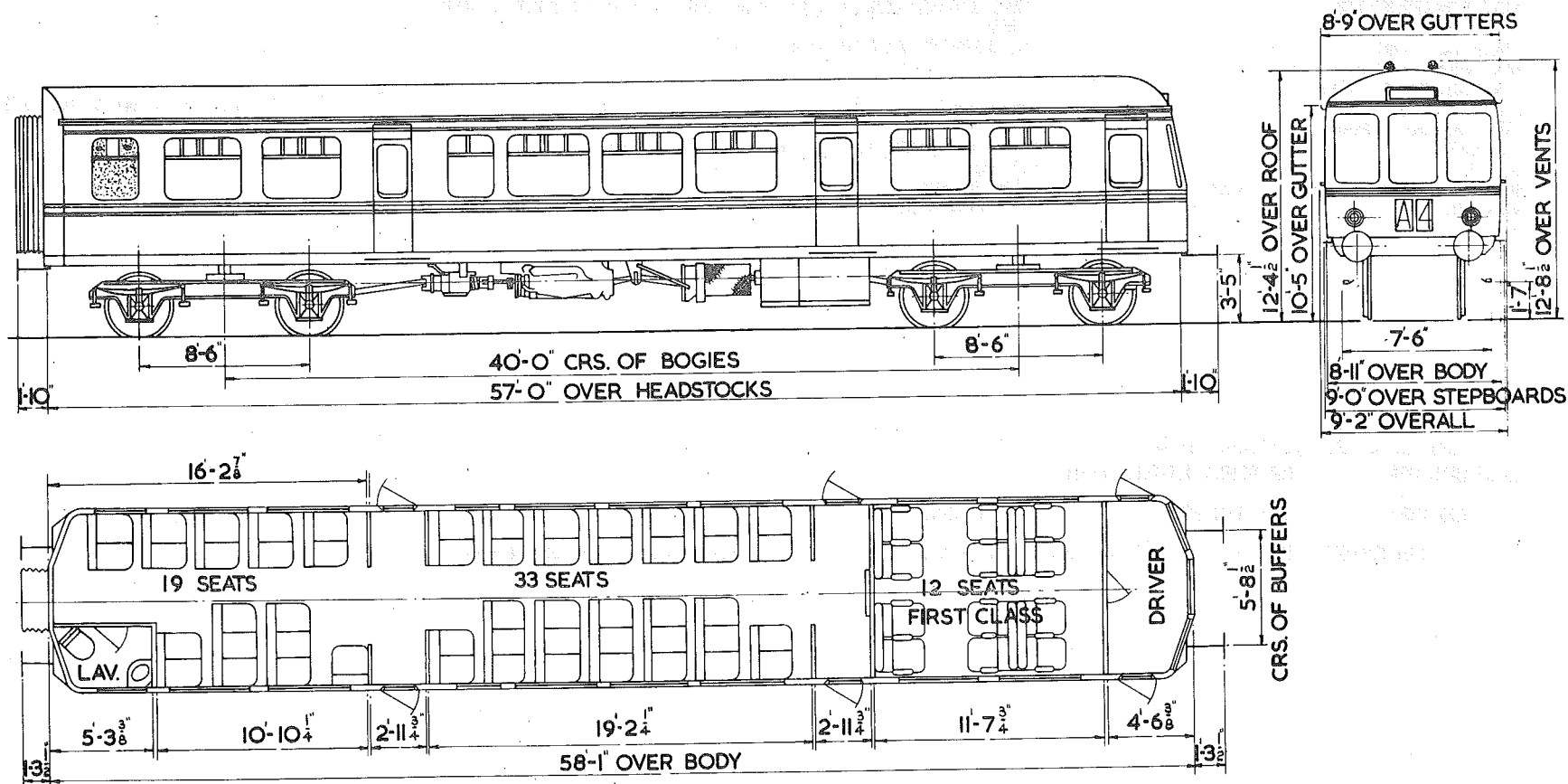
DMU-BUILDER	BR DERBY-LIGHTWEIGHT
ENGINES	2 X 150 HP LEYLAND 6 CYL. HORIZONTAL
TRANSMISSION	MECHANICAL-CARDAN SHAFT & FREEWHEEL/4 SPEED EPICYCLIC GEARBOX/CARDAN SHAFT

BASIC TYPE

DP 310 1B-REFURBISHED

VARIANTS

NONE



SEATS
TOILETS
COMPARTMENTS
GUARDS COMPARTMENTS
VENTILATION
CATERING EQUIPMENT

12 FIRST CLASS 52 SECOND CLASS

1
-
-
-

ORIGINAL DIAGRAMS FOR REFERENCE.-
BR 609

ISSUE
2

DATE
MAY '81

DP 311

BASIC TYPE

ALTERNATIVES

BRAKES
BOGIE/SUSPENSION
BODY CONSTRUCTION
COUPLINGS
TRAIN HEATING
MAX. SPEED M.P.H.
MIN. RAD. CURVE CHAINS
LIGHTING
TARE WEIGHT TONNES
GANGWAYS
A.V.S.
MULTIPLE WORKING CODE SYMBOL
BUFFERS

VACUUM
DD7 MK 2
STEEL UNDERFRAME & BODY FRAMING-ALUMINIUM BODY & ROOF
SCREW
OIL BURNING AIR HEATER
70
3.5
TUNGSTEN
28.5
BRITISH STANDARD-MIDLAND SCISSORS TYPE
FITTED
BLUE SQUARE
SELF CONTAINED-457 DIA.

FLUORESCENT & TUNGSTEN

TRACTION DATA FOR MULTIPLE UNITS

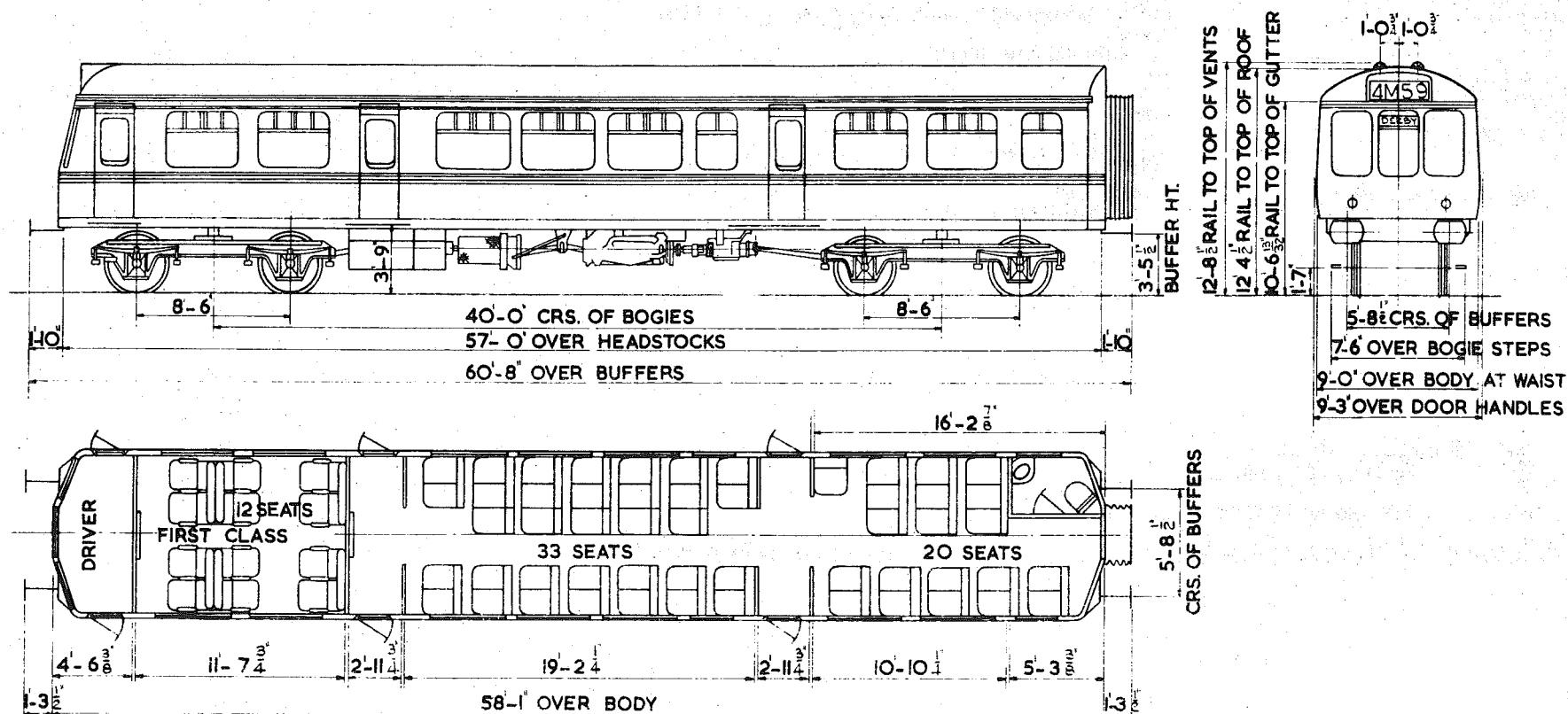
DMMU-BUILDER BR DERBY-LIGHTWEIGHT
ENGINES 2 X 150 HP LEYLAND 6 CYL. HORIZONTAL
TRANSMISSION MECHANICAL-CARDAN SHAFT & FREEWHEEL/4 SPEED EPICYCLIC GEARBOX/CARDAN SHAFT

BASIC TYPE

DP 311 0A

VARIANTS

1B REFURBISHED-FLUORESCENT & TUNGSTEN LIGHTING



SEATS
TOILETS
COMPARTMENTS
GUARDS COMPARTMENTS
VENTILATION
CATERING EQUIPMENT

12 FIRST CLASS 53 SECOND CLASS

1
-
-
-
-

ORIGINAL DIAGRAMS FOR REFERENCE.
BR 638

ISSUE 3
DATE OCT '81

DP 312

BRAKES
BOGIE/SUSPENSION
BODY CONSTRUCTION
COUPLINGS
TRAIN HEATING
MAX. SPEED M.P.H.
MIN. RAD. CURVE CHAINS
LIGHTING
TARE WEIGHT TONNES
GANGWAYS
A.V.S.
MULTIPLE WORKING CODE SYMBOL
BUFFERS

BASIC TYPE

VACUUM
DD7 MK 2
STEEL UNDERFRAME & BODY FRAMING-ALUMINIUM BODY & ROOF
SCREW
OIL BURNING AIR HEATER
70
3.5
TUNGSTEN
28.5
BRITISH STANDARD-MIDLAND SCISSORS TYPE
FITTED
BLUE SQUARE
SELF CONTAINED-457 DIA.

ALTERNATIVES

FLUORESCENT & TUNGSTEN

TRACTION DATA FOR MULTIPLE UNITS

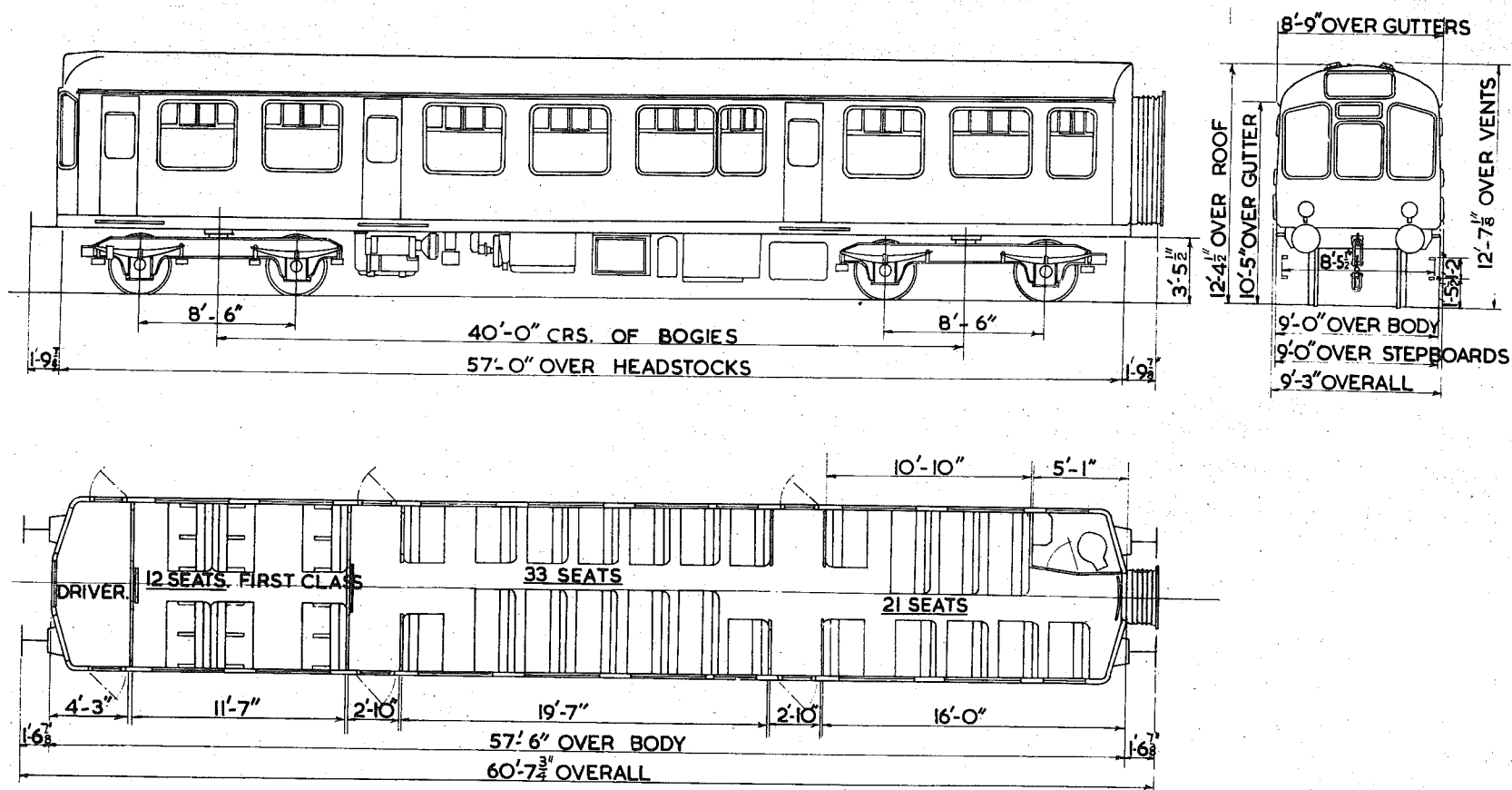
DMMU-BUILDER	BR DERBY-LIGHTWEIGHT
ENGINES	2 X 150 HP LEYLAND 6 CYL. HORIZONTAL
TRANSMISSION	MECHANICAL-CARDAN SHAFT & FREEWHEEL/4 SPEED EPICYCLIC GEARBOX/CARDAN SHAFT

BASIC TYPE

DP 312 1A

VARIANTS

2B REFURBISHED-FLUORESCENT & TUNGSTEN LIGHTING.



SEATS
TOILETS
COMPARTMENTS
GUARDS COMPARTMENTS
VENTILATION
CATERING EQUIPMENT

12 FIRST CLASS 54 SECOND CLASS

1
-
-
-
-

ORIGINAL DIAGRAMS FOR REFERENCE:-
BR 563

ISSUE
3

DATE
DEC 85

DP 313

BRAKES
BOGIE/SUSPENSION
BODY CONSTRUCTION
COUPLINGS
TRAIN HEATING
MAX.SPEED M.P.H.
MIN.RAD.CURVE CHAINS
LIGHTING
TARE WEIGHT TONNES
GANGWAYS
A.W.S.
MULTIPLE WORKING CODE SYMBOL
BUFFERS

BASIC TYPE

VACUUM
DD14 MK 3
STEEL
SCREW
OIL BURNING AIR HEATER
70
3.5
FLUORESCENT & TUNGSTEN
32.5
BRITISH STANDARD-MIDLAND SCISSORS TYPE
FITTED
BLUE SQUARE
SELF CONTAINED-457 DIA.

ALTERNATIVES

TRACTION DATA FOR MULTIPLE UNITS

DMMU-BUILDER BIRMINGHAM RAILWAY CARRIAGE & WAGON CO.LTD.
ENGINES 2 X 180 HP ROLLS ROYCE SERIES 130D
TRANSMISSION MECHANICAL-CARDAN SHAFT & FREEWHEEL/4 SPEED EPICYCLIC GEARBOX/CARDAN SHAFT

BASIC TYPE

DP 313 1B-REFURBISHED

VARIANTS

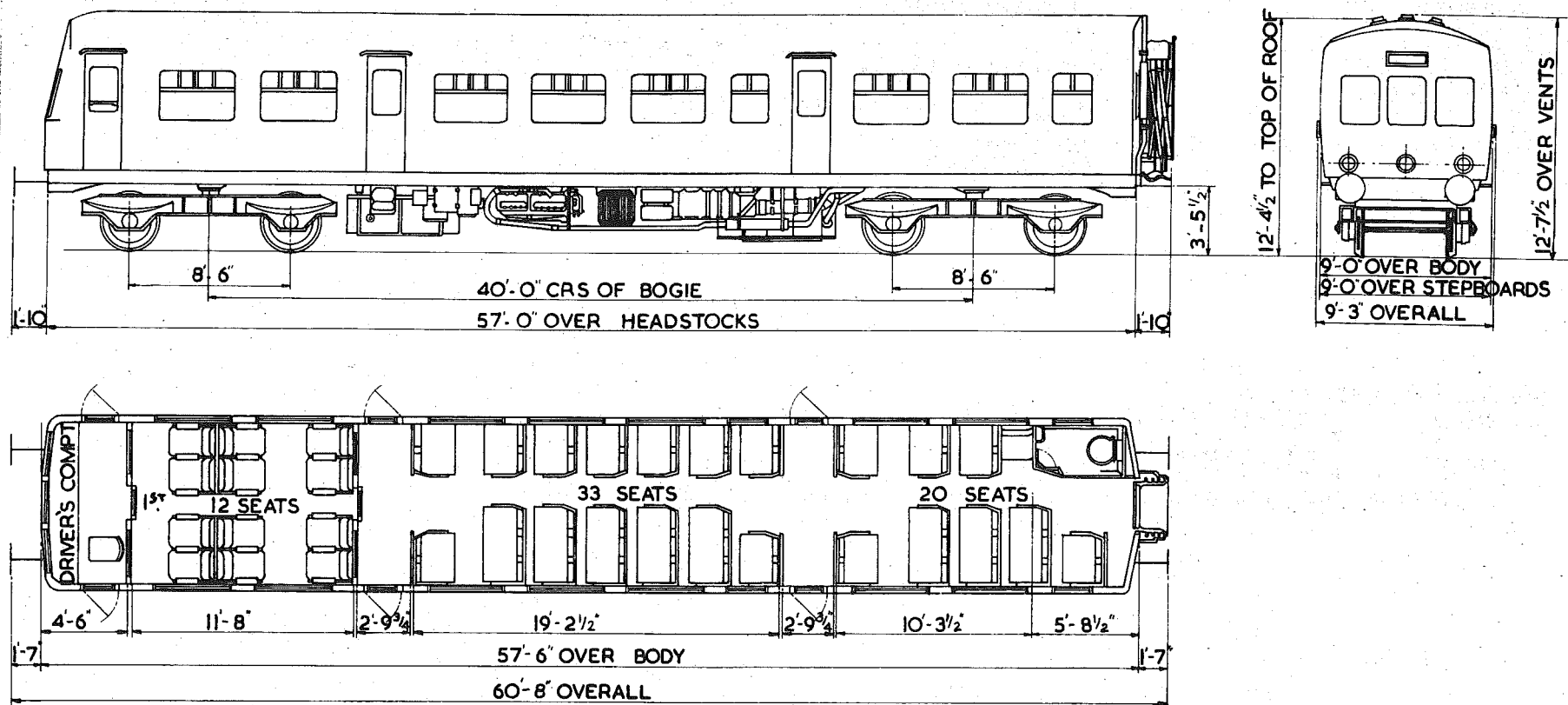
NONE

DRIVING MOTOR COMPOSITE

CLASS 111

DMC

DP 314



SEATS
TOILETS
COMPARTMENTS
GUARDS COMPARTMENTS
VENTILATION
CATERING EQUIPMENT

12 FIRST CLASS 53 SECOND CLASS
1
-
-
-
-

ORIGINAL DIAGRAMS FOR REFERENCE:-
BR 616

ISSUE
3

DATE
DEC 85

DP 314

BRAKES
BOGIE/SUSPENSION
BODY CONSTRUCTION
COUPLINGS
TRAIN HEATING
MAX.SPEED M.P.H.
MIN.RAD.CURVE CHAINS
LIGHTING
TARE WEIGHT TONNES
GANGWAYS
A.W.S.
MULTIPLE WORKING CODE SYMBOL
BUFFERS

BASIC TYPE

VACUUM
DD15 MK 3
STEEL
SCREW
OIL BURNING AIR HEATER
70
3.5
FLUORESCENT & TUNGSTEN
33.5
BRITISH STANDARD-MIDLAND SCISSORS TYPE
FITTED
BLUE SQUARE
SELF CONTAINED-457 DIA.

ALTERNATIVES

DD15 MK 2

TRACTION DATA FOR MULTIPLE UNITS

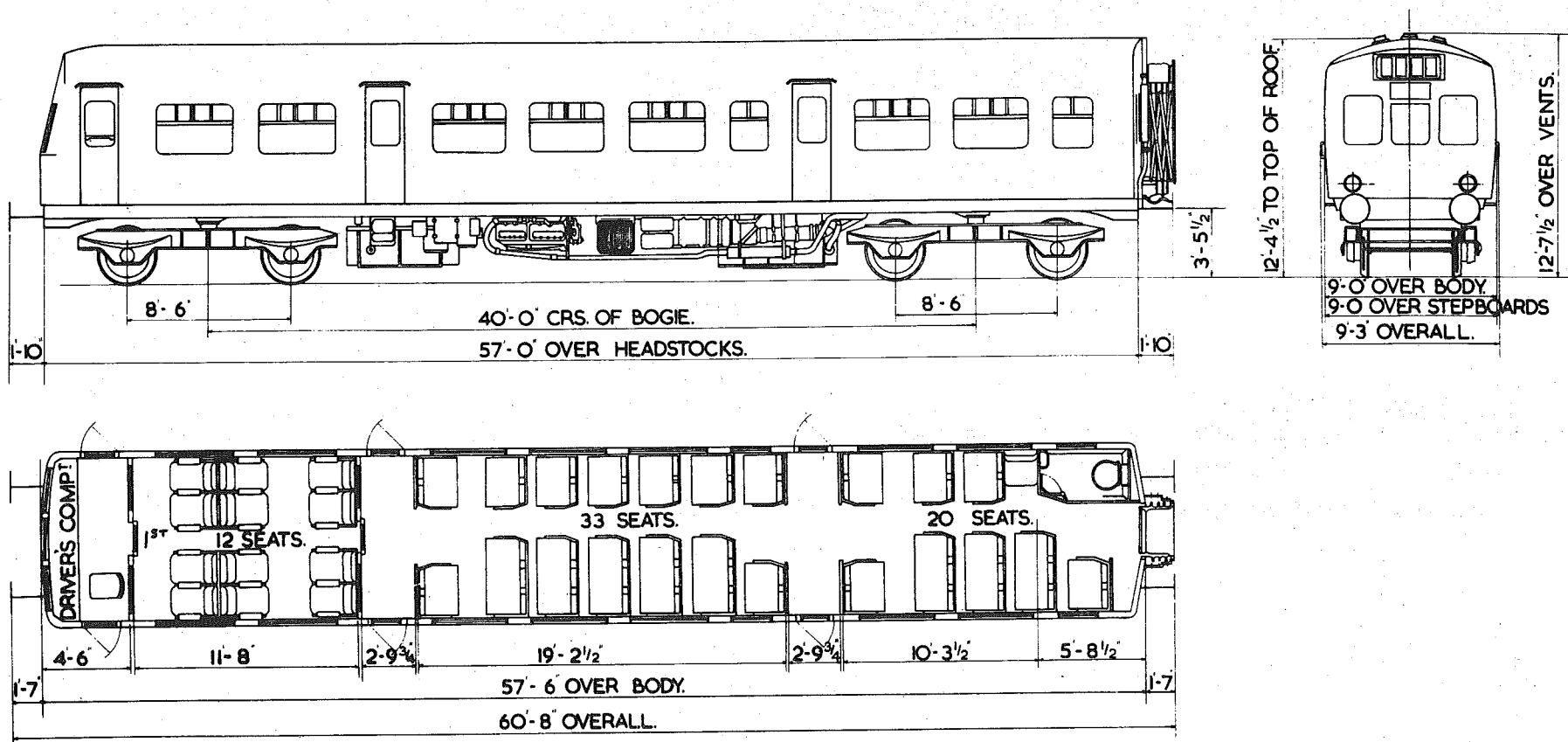
DMMU-BUILDER	METROPOLITAN CAMELL
ENGINES	2 X 180 HP ROLLS ROYCE 6 CYL.HORIZONTAL
TRANSMISSION	MECHANICAL-CARDAN SHAFT & FREEWHEEL/4 SPEED EPICYCLIC GEARBOX/CARDAN SHAFT

BASIC TYPE

DP 314 OB-REFUBISHED

VARIANTS

1B REFURBISHED,DD15 MK 2 BOGIES



SEATS
TOILETS
COMPARTMENTS
GUARDS COMPARTMENTS
VENTILATION
CATERING EQUIPMENT

12 FIRST CLASS 53 SECOND CLASS

1
-
-
-

ORIGINAL DIAGRAMS FOR REFERENCE:-
BR 617

ISSUE
3

DATE
DEC 85

DP 315

BRAKES
BOGIE/SUSPENSION
BODY CONSTRUCTION
COUPLINGS
TRAIN HEATING
MAX.SPEED M.P.H.
MIN.RAD.CURVE CHAINS
LIGHTING
TARE WEIGHT TONNES
GANGWAYS
A.W.S.
MULTIPLE WORKING CODE SYMBOL
BUFFERS

BASIC TYPE

VACUUM
DD15 MK 3
STEEL
SCREW
OIL BURNING AIR HEATER
70
3.5
FLUORESCENT & TUNGSTEN
33.5
BRITISH STANDARD-MIDLAND SCISSORS TYPE
FITTED
BLUE SQUARE
SELF CONTAINED-457 DIA.

ALTERNATIVES

TRACTION DATA FOR MULTIPLE UNITS

DMU-BUILDER	BIRMINGHAM RAILWAY CARRIAGE & WAGON CO.LTD.
ENGINES	2 X 180 HP ROLLS ROYCE 6 CYL.HORIZONTAL
TRANSMISSION	MECHANICAL-CARDAN SHAFT & FREEWHEEL/4 SPEED EPICYCLIC GEARBOX/CARDAN SHAFT

BASIC TYPE

DP 315 1B-REFURBISHED

VARIANTS

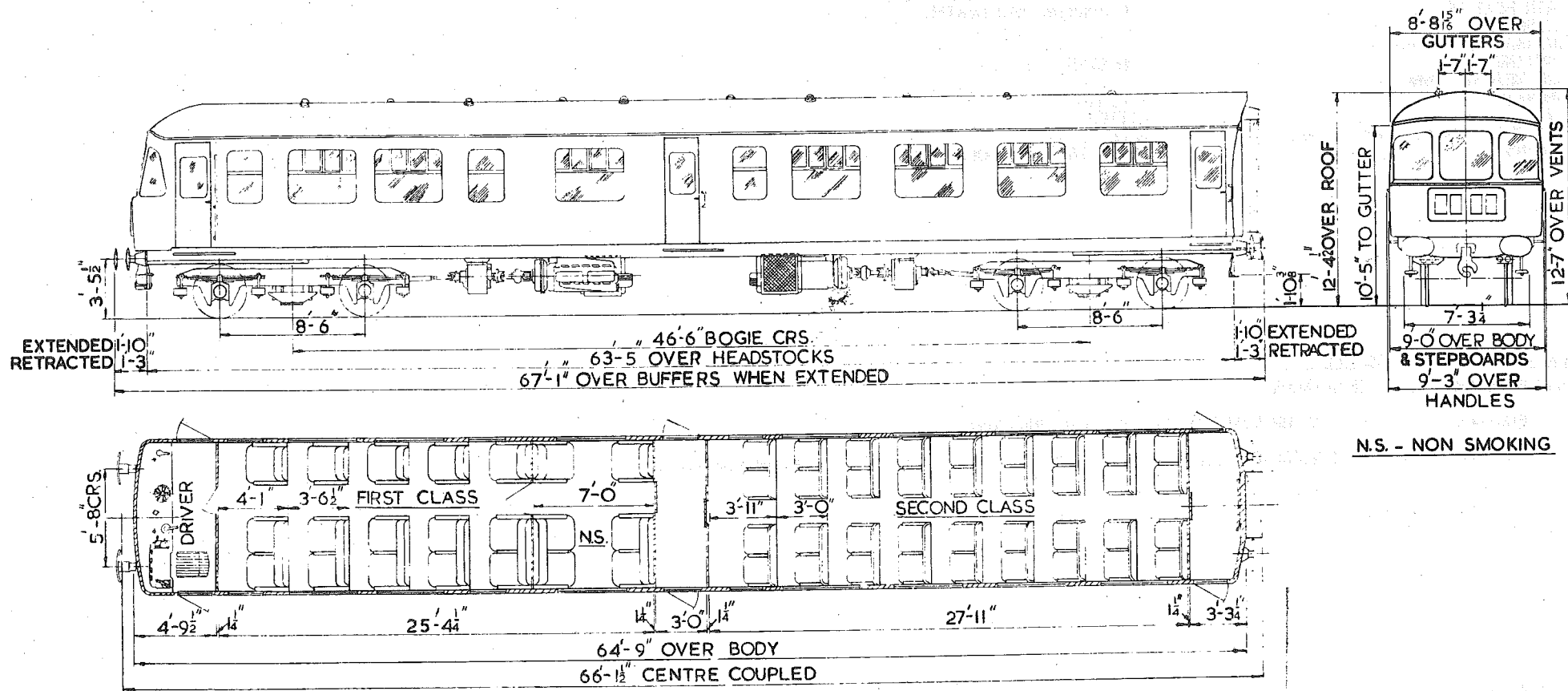
NONE

DRIVING MOTOR COMPOSITE

CLASS 124

DMC

DP 316



N.S. - NON SMOKING

SEATS
TOILETS
COMPARTMENTS
GUARDS COMPARTMENTS
VENTILATION
CATERING EQUIPMENT

21 FIRST CLASS 36 SECOND CLASS

ORIGINAL DIAGRAMS FOR REFERENCE, -
BR 577

ISSUE 2 DATE MAY' 81

DP 316

BRAKES
BOGIE/SUSPENSION
BODY CONSTRUCTION
COUPLINGS
TRAIN HEATING
MAX. SPEED M.P.H.
MIN. RAD. CURVE CHAINS
LIGHTING
TARE WEIGHT TONNES
GANGWAYS
A.V.S.
MULTIPLE WORKING CODE SYMBOL
BUFFERS

BASIC TYPE

VACUUM
DD3
STEEL
AUTOMATIC DROPHEAD (BUCKEYE)
OIL BURNING AIR HEATER
70
3.5
TUNGSTEN
41
PULLMAN
FITTED
BLUE SQUARE
RETRACTABLE SPINDLE-559 X 356 OVAL

ALTERNATIVES

TRACTION DATA FOR MULTIPLE UNITS

DMU-BUILDER	BR SWINDON
ENGINES	2 X 230 HP LEYLAND ALBION 6 CYL. HORIZONTAL
TRANSMISSION	MECHANICAL-CARDAN SHAFT & FREEWHEEL/4 SPEED EPICYCLIC GEARBOX/CARDAN SHAFT

BASIC TYPE

DP 316 0A

VARIANTS

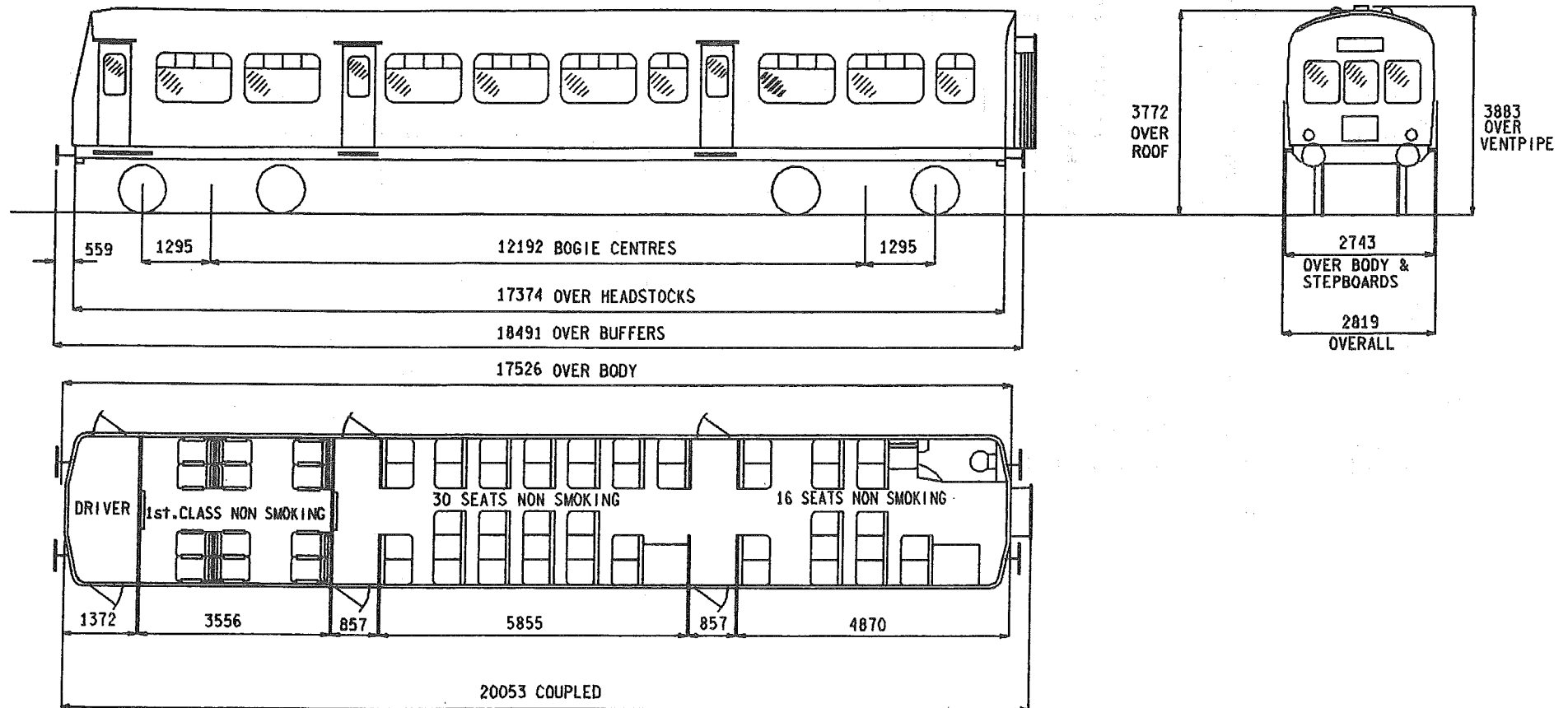
NONE

DRIVING MOTOR COMPOSITE

CLASS 101

DMC

DP 317



SEATS
TOILETS
COMPARTMENTS
GUARDS COMPARTMENTS
VENTILATION
CATERING EQUIPMENT

12 FIRST CLASS 46 STANDARD CLASS
1
-
-
-
-

ORIGINAL DIAGRAMS FOR REFERENCE:-
BR 621

ISSUE DATE
1 AUG 88

DP 317

BRAKES
BOGIE/SUSPENSION
BODY CONSTRUCTION
COUPLINGS
TRAIN HEATING
MAX. SPEED M.P.H.
MIN. RAD. CURVE CHAINS
LIGHTING
TARE WEIGHT TONNES
GANGWAYS
A.W.S.
MULTIPLE WORKING CODE SYMBOL
BUFFERS
ENGINES

BASIC TYPE

VACUUM
DD15 MK 2
STEEL
SCREW
OIL BURNING AIR HEATER
70
3.5
FLUORESCENT & TUNGSTEN
32.5
BRITISH STANDARD-MIDLAND SCISSORS TYPE
FITTED
BLUE SQUARE
SELF CONTAINED-457 DIA.
LEYLAND

ALTERNATIVES

DD15 MK 3

AEC

TRACTION DATA FOR MULTIPLE UNITS

DMU-BUILDER METROPOLITAN CAMELL
ENGINES 2 X 150 HP LEYLAND OR AEC 6 CYL. HORIZONTAL
TRANSMISSION MECHANICAL-CARDAN SHAFT & FREEWHEEL/4 SPEED EPICYCLIC GEARBOX/CARDAN SHAFT

BASIC TYPE

DP 317 0A-REFURBISHED

VARIANTS

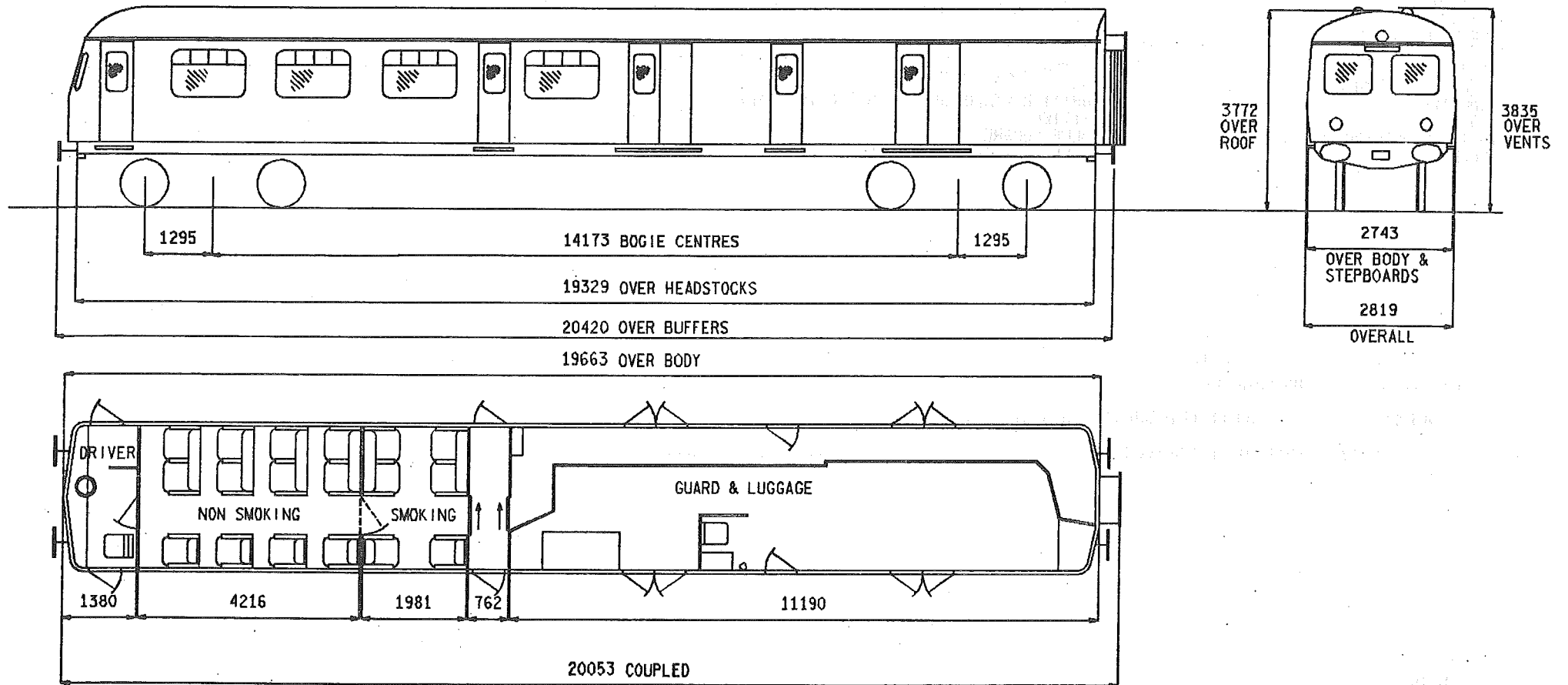
OB-REFURBISHED, AEC ENGINE,
OC-REFURBISHED, AEC ENGINE, MK.3 BOGIES
OD-REFURBISHED, MK.3 BOGIES

DRIVING MOTOR BRAKE FIRST

CLASS 120

DMBF

DQ 101



SEATS	18
TOILETS	-
COMPARTMENTS	-
GUARDS COMPARTMENTS	1
VENTILATION	-
CATERING EQUIPMENT	-

ORIGINAL DIAGRAMS FOR REFERENCE:-
BR 587

ISSUE 3 DATE AUG '82

DQ 101

BRAKES
BOGIE/SUSPENSION
BODY CONSTRUCTION
COUPLINGS
TRAIN HEATING
MAX.SPEED M.P.H.
MIN.RAD.CURVE CHAINS
LIGHTING
TARE WEIGHT TONNES
GANGWAYS
A.W.S.
MULTIPLE WORKING CODE SYMBOL
BUFFERS

BASIC TYPE

VACUUM
DD1 MK 1
STEEL
SCREW
OIL BURNING AIR HEATER
70
3.5
TUNGSTEN
36.5
BRITISH STANDARD-W.R.SUSPENSION TYPE
FITTED
BLUE SQUARE
SELF CONTAINED-559 OVAL

ALTERNATIVES

FLUORESCENT & TUNGSTEN

TRACTION DATA FOR MULTIPLE UNITS

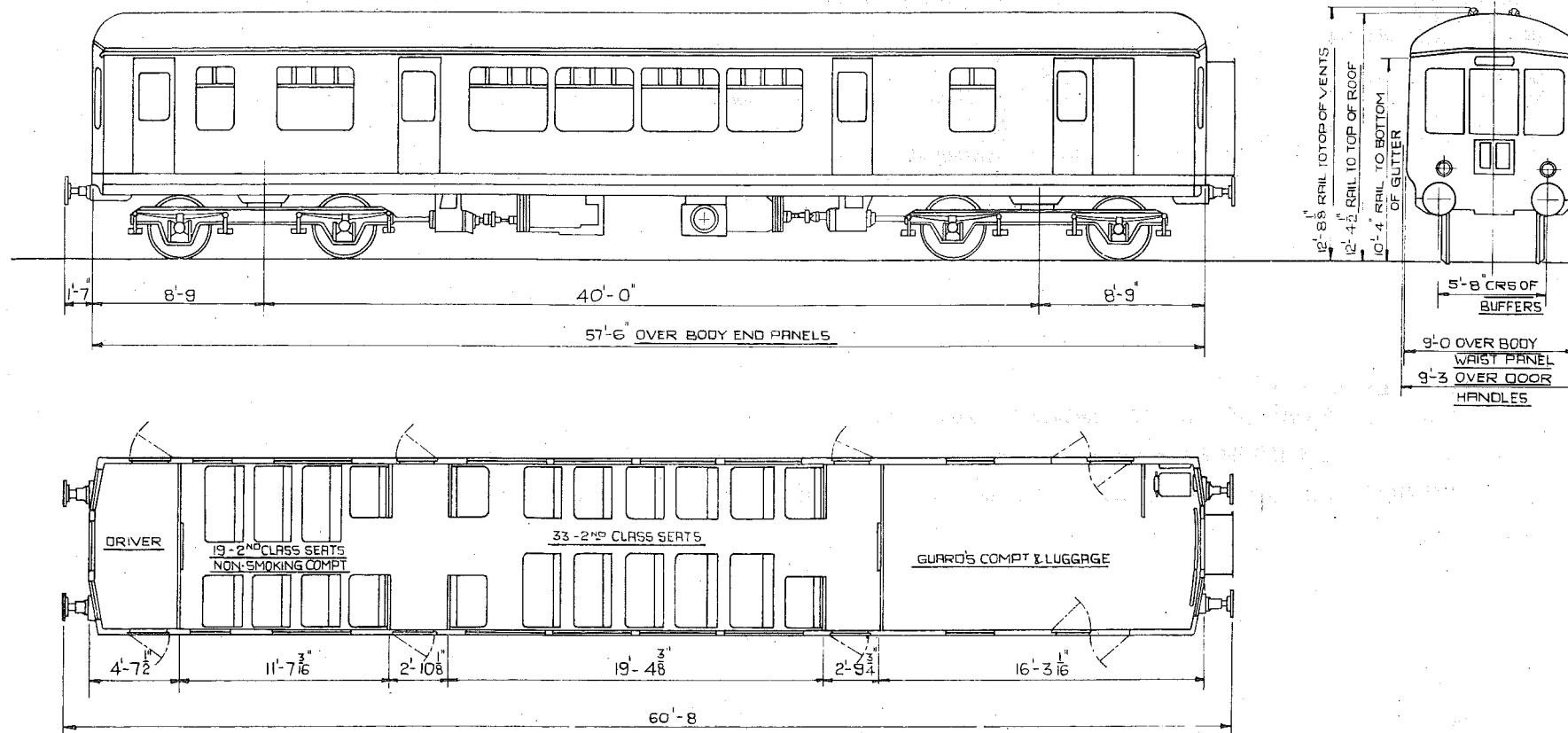
DMMU-BUILDER	BR SWINDON
ENGINES	2 X 230 HP LEYLAND ALBION 6 CYL.HORIZONTAL
TRANSMISSION	MECHANICAL-CARDAN SHAFT & FREEWHEEL/4 SPEED EPICYCLIC GEARBOX/CARDAN SHAFT

BASIC TYPE

DQ 101 0A

VARIANTS

1B REFURBISHED-FLUORESCENT & TUNGSTEN LIGHTING.



SEATS	52
TOILETS	-
COMPARTMENTS	-
GUARDS COMPARTMENTS	1
VENTILATION	-
CATERING EQUIPMENT	-

ORIGINAL DIAGRAMS FOR REFERENCE.-
BR 536

ISSUE DATE
2 MAY '81

DQ 201

BASIC TYPE

BRAKES
BOGIE/SUSPENSION
BODY CONSTRUCTION
COUPLINGS
TRAIN HEATING
MAX. SPEED M.P.H.
MIN. RAD. CURVE CHAINS
LIGHTING
TARE WEIGHT TONNES
GANGWAYS
A.V.S.
MULTIPLE WORKING CODE SYMBOL
BUFFERS

VACUUM
DD7 MK 4
STEEL
SCREW
OIL BURNING AIR HEATER
70
3.5
TUNGSTEN
30.5
BRITISH STANDARD-MIDLAND SCISSORS TYPE
NOT FITTED
BLUE SQUARE
SELF CONTAINED-457 DIA.

ALTERNATIVES

FITTED

TRACTION DATA FOR MULTIPLE UNITS

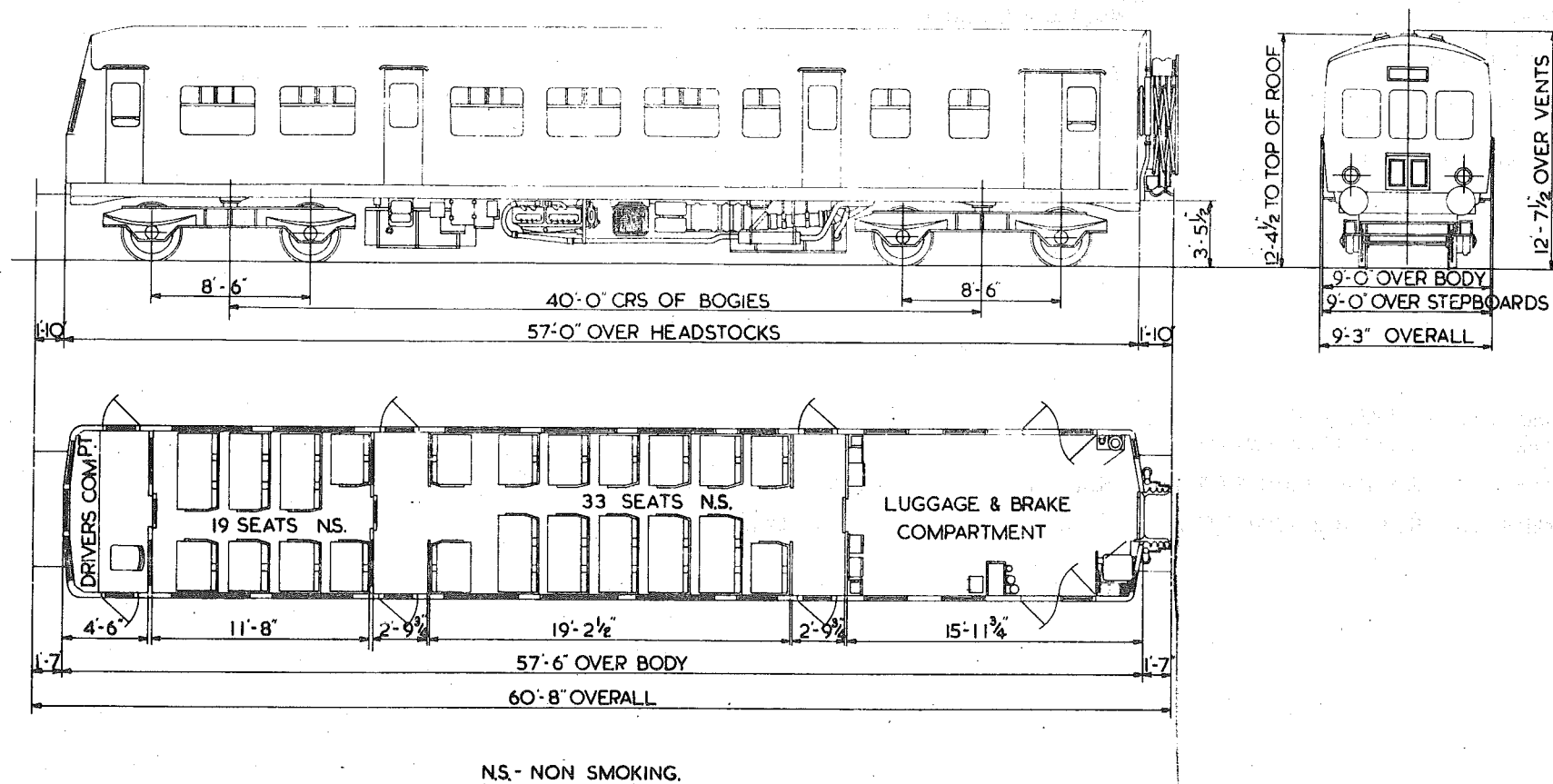
DMMU-BUILDER GLOUCESTER RAILWAY CARRIAGE & WAGON CO.LTD.
ENGINES 2 X 150 HP AEC 6 CYL.HORIZONTAL
TRANSMISSION MECHANICAL-CARDAN SHAFT & FREEWHEEL/4 SPEED EPICYCLIC GEARBOX/CARDAN SHAFT

BASIC TYPE

DQ 201 0A

VARIANTS

1A A.W.S.FITTED.



SEATS	52
TOILETS	-
COMPARTMENTS	-
GUARDS COMPARTMENTS	1
VENTILATION	-
CATERING EQUIPMENT	-

ORIGINAL DIAGRAMS FOR REFERENCE.-
BR 523

ISSUE 2 DATE MAY '81

DQ 202

	<u>BASIC TYPE</u>	<u>ALTERNATIVES</u>
BRAKES	VACUUM	
BOGIE/SUSPENSION	DD15 MK 2	DD15 MK 3
BODY CONSTRUCTION	STEEL	
COUPLINGS	SCREW	
TRAIN HEATING	OIL BURNING AIR HEATER	
MAX. SPEED M.P.H.	70	
MIN. RAD. CURVE CHAINS	3.5	
LIGHTING	TUNGSTEN	FLUORESCENT & TUNGSTEN
TARE WEIGHT TONNES	32.5	
GANGWAYS	BRITISH STANDARD-MIDLAND SCISSORS TYPE	
A.V.S.	NOT FITTED	FITTED
MULTIPLE WORKING CODE SYMBOL	BLUE SQUARE	
BUFFERS	SELF CONTAINED-457 DIA.	
ENGINES	AEC	LEYLAND

TRACTION DATA FOR MULTIPLE UNITS

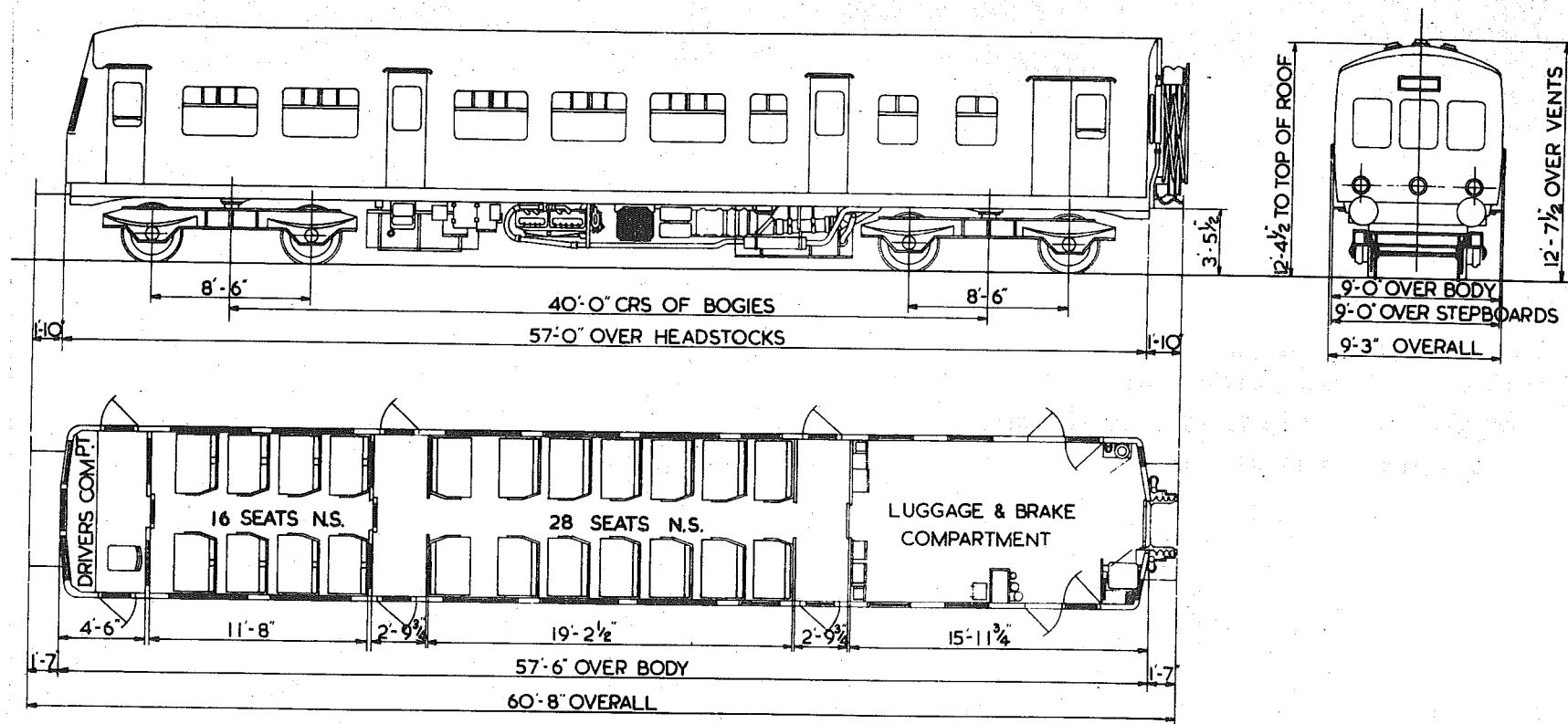
DMMU-BUILDER	METROPOLITAN CAMELL
ENGINES	2 X 150 HP AEC 6 CYL. HORIZONTAL OR 2 X 150 HP LEYLAND 6 CYL. HORIZONTAL-SEE VARIANTS
TRANSMISSION	MECHANICAL-CARDAN SHAFT & FREEWHEEL/4 SPEED EPICYCLIC GEARBOX/CARDAN SHAFT

BASIC TYPE

DQ 202 0A

VARIANTS

- 1A A.V.S. FITTED.
- 1C A.V.S. FITTED, DD15 MK 3 BOGIES.
- 1D A.V.S. FITTED, LEYLAND ENGINES.
- 2B REFURBISHED-FLUORESCENT & TUNGSTEN LIGHTING, A.V.S. FITTED.
- 2E REFURBISHED-FLUORESCENT & TUNGSTEN LIGHTING, A.V.S. FITTED, LEYLAND ENGINES.
- 3E REFURBISHED-FLUORESCENT & TUNGSTEN LIGHTING, LEYLAND ENGINES.
- 3F REFURBISHED-FLUORESCENT & TUNGSTEN LIGHTING, DD15 MK 3 BOGIES.



N.S. - NON-SMOKING.

SEATS	44
TOILETS	-
COMPARTMENTS	-
GUARDS COMPARTMENTS	1
VENTILATION	-
CATERING EQUIPMENT	-

ORIGINAL DIAGRAMS FOR REFERENCE:-
BR 522ISSUE
3
DATE
DEC 85

DQ 203

BRAKES
BOGIE/SUSPENSION
BODY CONSTRUCTION
COUPLINGS
TRAIN HEATING
MAX.SPEED M.P.H.
MIN.RAD.CURVE CHAINS
LIGHTING
TARE WEIGHT TONNES
GANGWAYS
A.W.S.
MULTIPLE WORKING CODE SYMBOL
BUFFERS

BASIC TYPE

VACUUM
DD15 MK 2
STEEL
SCREW
OIL BURNING AIR HEATER
70
3.5
FLUORESCENT & TUNGSTEN
32.5
BRITISH STANDARD-MIDLAND SCISSORS TYPE
FITTED
BLUE SQUARE
SELF CONTAINED-457 DIA.

ALTERNATIVES

TRACTION DATA FOR MULTIPLE UNITS

DMMJ-BUILDER	METROPOLITAN CAMELL
ENGINES	2 X 150 HP AEC 6 CYL.HORIZONTAL
TRANSMISSION	MECHANICAL-CARDAN SHAFT & FREEWHEEL/4 SPEED EPICYCLIC GEARBOX/CARD

BASIC TYPE

DQ 203 2B-REFURBISHED

VARIANTS

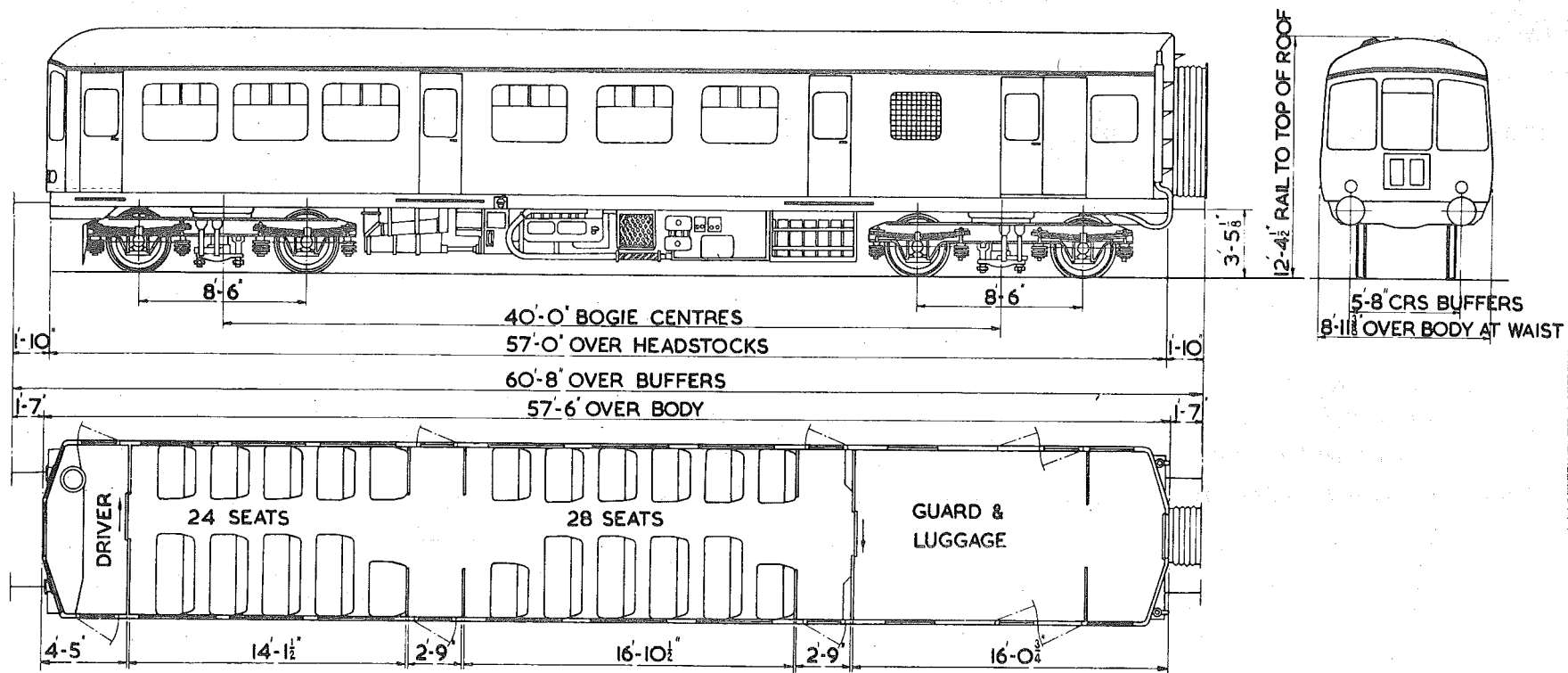
NONE

DRIVING MOTOR BRAKE SECOND

CLASS 103

DMBS

DQ 204



SEATS	52
TOILETS	-
COMPARTMENTS	-
GUARDS COMPARTMENTS	1
VENTILATION	-
CATERING EQUIPMENT	-

ORIGINAL DIAGRAMS FOR REFERENCE.-
BR 635

ISSUE 2 DATE MAY '81

DQ 204

BRAKES
BOGIE/SUSPENSION
BODY CONSTRUCTION
COUPLINGS
TRAIN HEATING
MAX.SPEED M.P.H.
MIN.RAD.CURVE CHAINS
LIGHTING
TARE WEIGHT TONNES
GANGWAYS
A.W.S.
MULTIPLE WORKING CODE SYMBOL
BUFFERS

BASIC TYPE

VACUUM
DD9 MK 1
STEEL
SCREW
OIL BURNING AIR HEATER
70
3.5
TUNGSTEN
34
BRITISH STANDARD-MIDLAND SCISSORS TYPE
NOT FITTED
BLUE SQUARE
SELF CONTAINED-457 DIA.

ALTERNATIVES

FITTED

TRACTION DATA FOR MULTIPLE UNITS

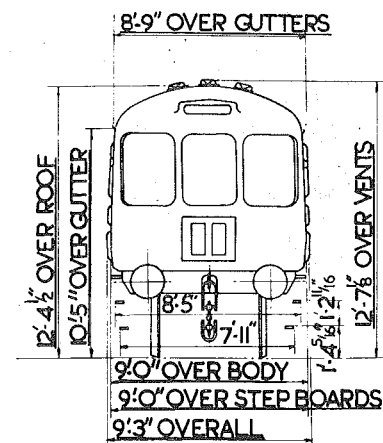
DMU-BUILDER	PARK ROYAL
ENGINES	2 X 150 HP AEC 6 CYL.HORIZONTAL
TRANSMISSION	MECHANICAL-CARDAN SHAFT & FREEWHEEL/4 SPEED EPICYCLIC GEARBOX/CARDAN SHAFT

BASIC TYPE

DQ 204 0A

VARIANTS

1A A.W.S.FITTED.



SEATS	52
TOILETS	-
COMPARTMENTS	-
GUARDS COMPARTMENTS	1
VENTILATION	-
CATERING EQUIPMENT	-

ORIGINAL DIAGRAMS FOR REFERENCE.-
BR 556

ISSUE DATE
2 MAY' 81

DQ 205

BRAKES
BOGIE/SUSPENSION
BODY CONSTRUCTION
COUPLINGS
TRAIN HEATING
MAX. SPEED M.P.H.
MIN. RAD. CURVE CHAINS
LIGHTING
TARE WEIGHT TONNES
GANGWAYS
A.V.S.
MULTIPLE WORKING CODE SYMBOL
BUFFERS

BASIC TYPE

VACUUM
DD14 MK 1
STEEL
SCREW
OIL BURNING AIR HEATER
70
3.5
TUNGSTEN
31.5
BRITISH STANDARD-MIDLAND SCISSORS TYPE
NOT FITTED
BLUE SQUARE
SELF CONTAINED-457 DIA.

ALTERNATIVES

FITTED

TRACTION DATA FOR MULTIPLE UNITS

DMMU-BUILDER BIRMINGHAM RAILWAY CARRIAGE & WAGON CO.LTD.
ENGINES 2 X 150 HP LEYLAND 6 CYL.HORIZONTAL
TRANSMISSION MECHANICAL-CARDAN SHAFT & FREEWHEEL/4 SPEED EPICYCLIC GEARBOX/CARDAN SHAFT

BASIC TYPE

DQ 205 0A

VARIANTS

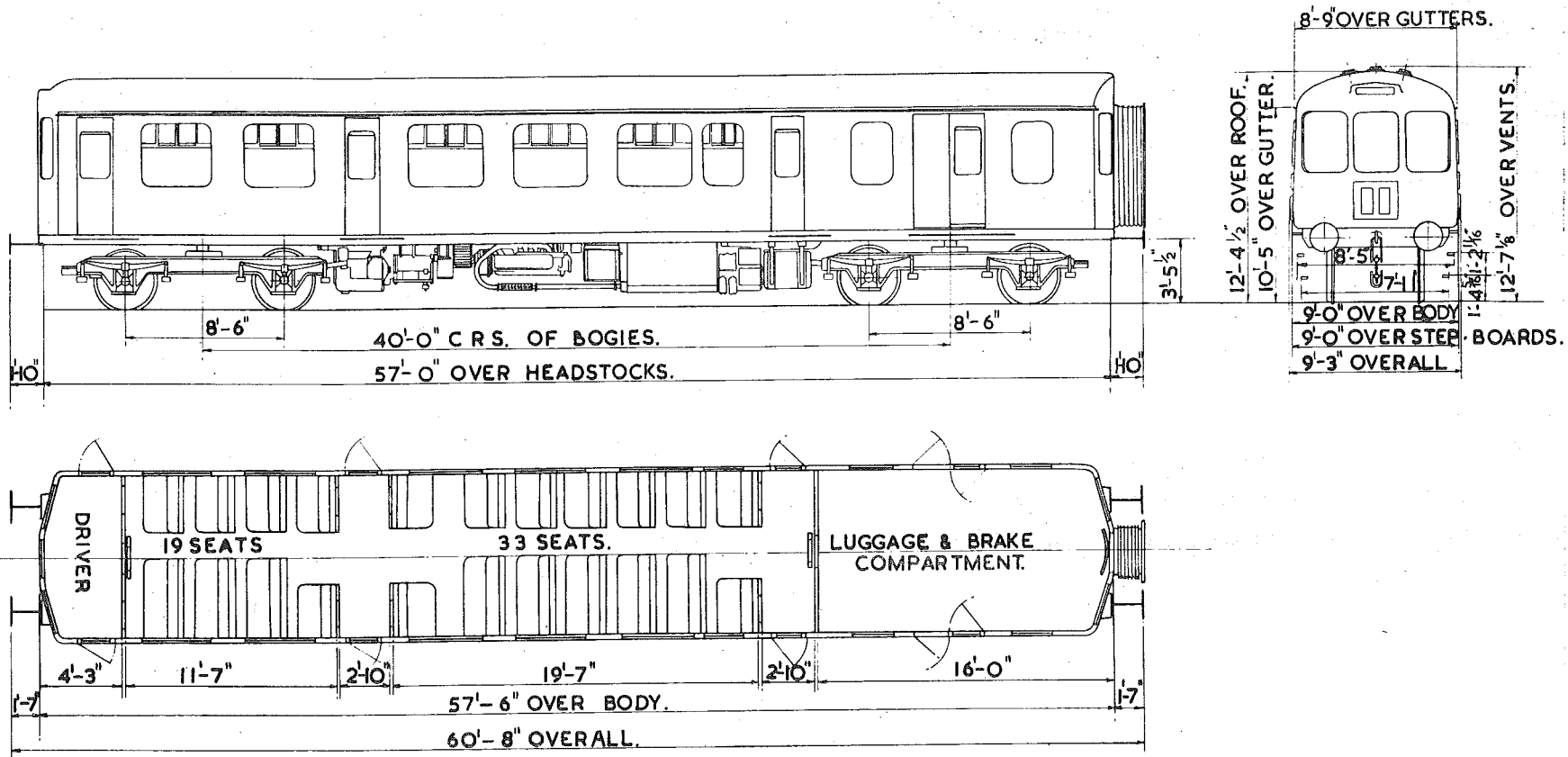
1A A.V.S.FITTED.

DRIVING MOTOR BRAKE SECOND

CLASS 104

DMBS

DQ 206



SEATS	52
TOILETS	-
COMPARTMENTS	-
GUARDS COMPARTMENTS	1
VENTILATION	-
CATERING EQUIPMENT	-

ORIGINAL DIAGRAMS FOR REFERENCE.-
BR 557

ISSUE	DATE
2	MAY '81

DQ 206

BRAKES
BOGIE/SUSPENSION
BODY CONSTRUCTION
COUPLINGS
TRAIN HEATING
MAX. SPEED M.P.H.
MIN. RAD. CURVE CHAINS
LIGHTING
TARE WEIGHT TONNES
GANGWAYS
A.V.S.
MULTIPLE WORKING CODE SYMBOL
BUFFERS

BASIC TYPE

VACUUM
DD14 MK 1
STEEL
SCREW
OIL BURNING AIR HEATER
70
3.5
TUNGSTEN
31.5
BRITISH STANDARD-MIDLAND SCISSORS TYPE
FITTED
BLUE SQUARE
SELF CONTAINED-457 DIA.

ALTERNATIVES

TRACTION DATA FOR MULTIPLE UNITS

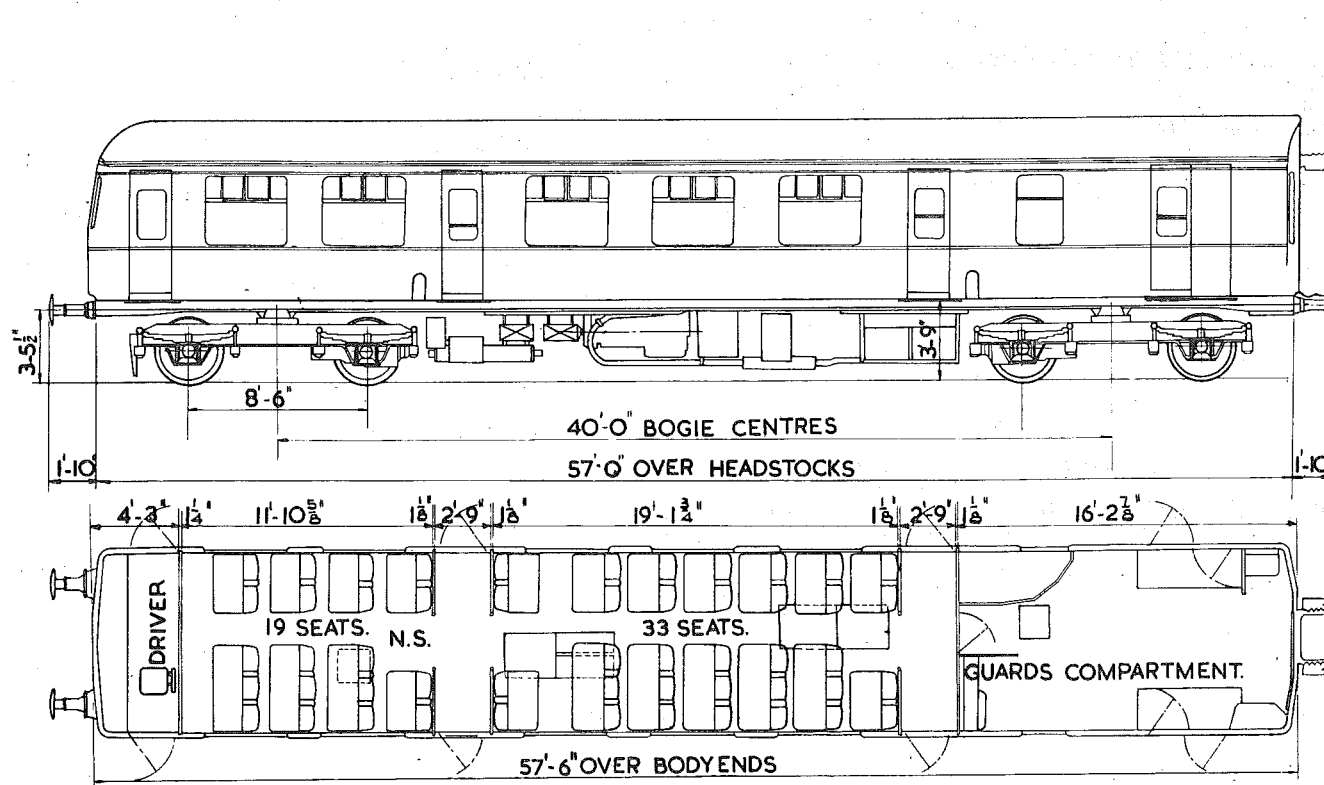
DMU-BUILDER	BIRMINGHAM RAILWAY CARRIAGE & WAGON CO.LTD.
ENGINES	2 X 160 HP LEYLAND 6 CYL.HORIZONTAL
TRANSMISSION	MECHANICAL-CARDAN SHAFT & FREEWHEEL/4 SPEED EPICYCLIC GEARBOX/CARDAN SHAFT

BASIC TYPE

DQ 206 1A

VARIANTS

NONE



END VIEW FOR
Nos. E50370-E50374
& Nos. M50390-M50394

END VIEW FOR
REMAINING CAR Nos.
ON THIS DRAWING.

N.S.-NON SMOKING.

SEATS	52
TOILETS	-
COMPARTMENTS	-
GUARDS COMPARTMENTS	1
VENTILATION	-
CATERING EQUIPMENT	-

ORIGINAL DIAGRAMS FOR REFERENCE.-
BR 525

ISSUE 2 DATE MAY '81

DQ 207

BRAKES
BOGIE/SUSPENSION
BODY CONSTRUCTION
COUPLINGS
TRAIN HEATING
MAX. SPEED M.P.H.
MIN. RAD. CURVE CHAINS
LIGHTING
TARE WEIGHT TONNES
GANGWAYS
A.V.S.
MULTIPLE WORKING CODE SYMBOL
BUFFERS
ENGINES

BASIC TYPE

VACUUM
DD8 MK 1
STEEL
SCREW
OIL BURNING AIR HEATER
70
3.5
TUNGSTEN
29.5
BRITISH STANDARD-MIDLAND SCISSORS TYPE
NOT FITTED
BLUE SQUARE
SELF CONTAINED-457 DIA.
AEC

ALTERNATIVES

FITTED

LEYLAND

TRACTION DATA FOR MULTIPLE UNITS

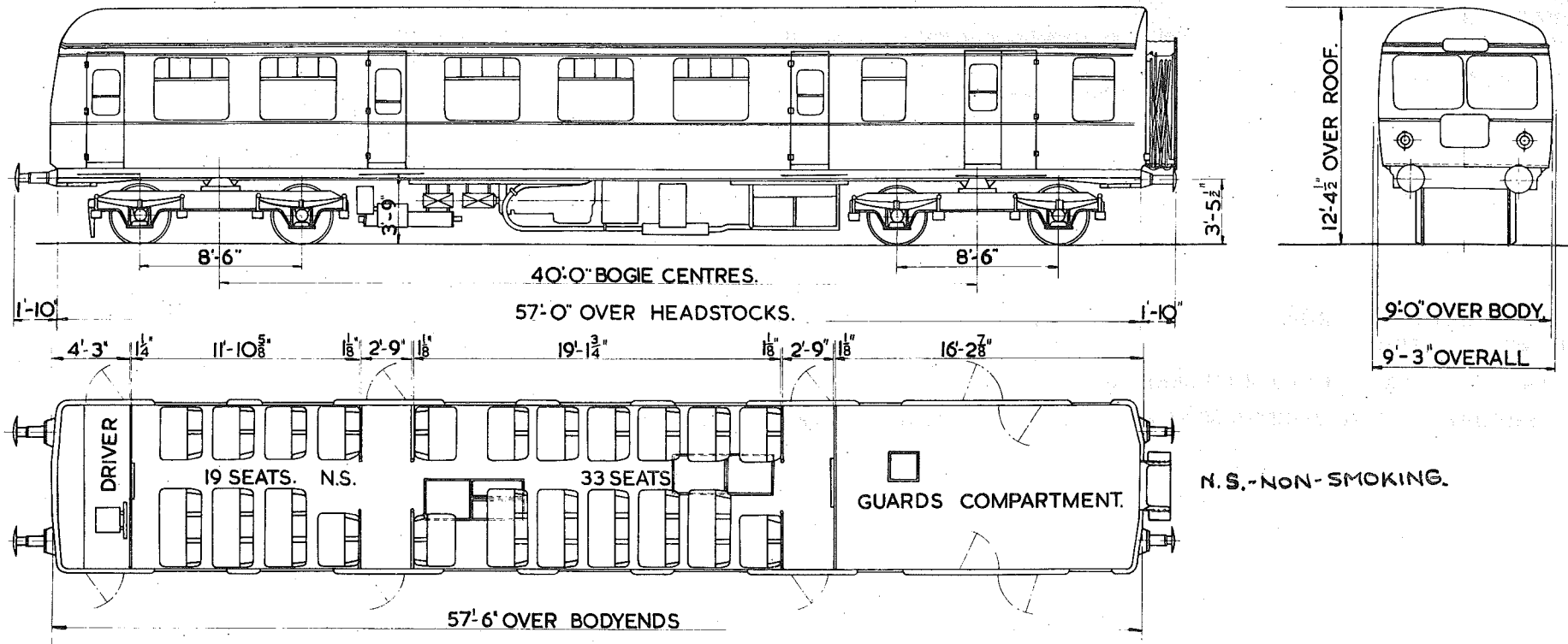
DMMU-BUILDER	CRAVENS
ENGINES	2 X 150 HP LEYLAND 6 CYL. HORIZONTAL OR 2 X 150 HP AEC 6 CYL. HORIZONTAL-SEE VARIANTS
TRANSMISSION	MECHANICAL-CARDAN SHAFT & FREEWHEEL/4 SPEED EPICYCLIC GEARBOX/CARDAN SHAFT

BASIC TYPE

DQ 207 0A

VARIANTS

0B LEYLAND ENGINES.
1A A.V.S. FITTED.
1B A.V.S. FITTED, LEYLAND ENGINES.



SEATS	52
TOILETS	-
COMPARTMENTS	-
GUARDS COMPARTMENTS	1
VENTILATION	-
CATERING EQUIPMENT	-

ORIGINAL DIAGRAMS FOR REFERENCE.-
BR 528

ISSUE 2 DATE MAY '01

DQ 208

BRAKES
BOGIE/SUSPENSION
BODY CONSTRUCTION
COUPLINGS
TRAIN HEATING
MAX. SPEED M.P.H.
MIN. RAD. CURVE CHAINS
LIGHTING
TARE WEIGHT TONNES
GANGWAYS
A.V.S.
MULTIPLE WORKING CODE SYMBOL
BUFFERS

BASIC TYPE

VACUUM
DDB MK 1
STEEL
SCREW
OIL BURNING AIR HEATER
70
3.5
TUNGSTEN
30.5
BRITISH STANDARD-MIDLAND SCISSORS TYPE
NOT FITTED
BLUE SQUARE
SELF CONTAINED-457 DIA.

ALTERNATIVES

FITTED

TRACTION DATA FOR MULTIPLE UNITS

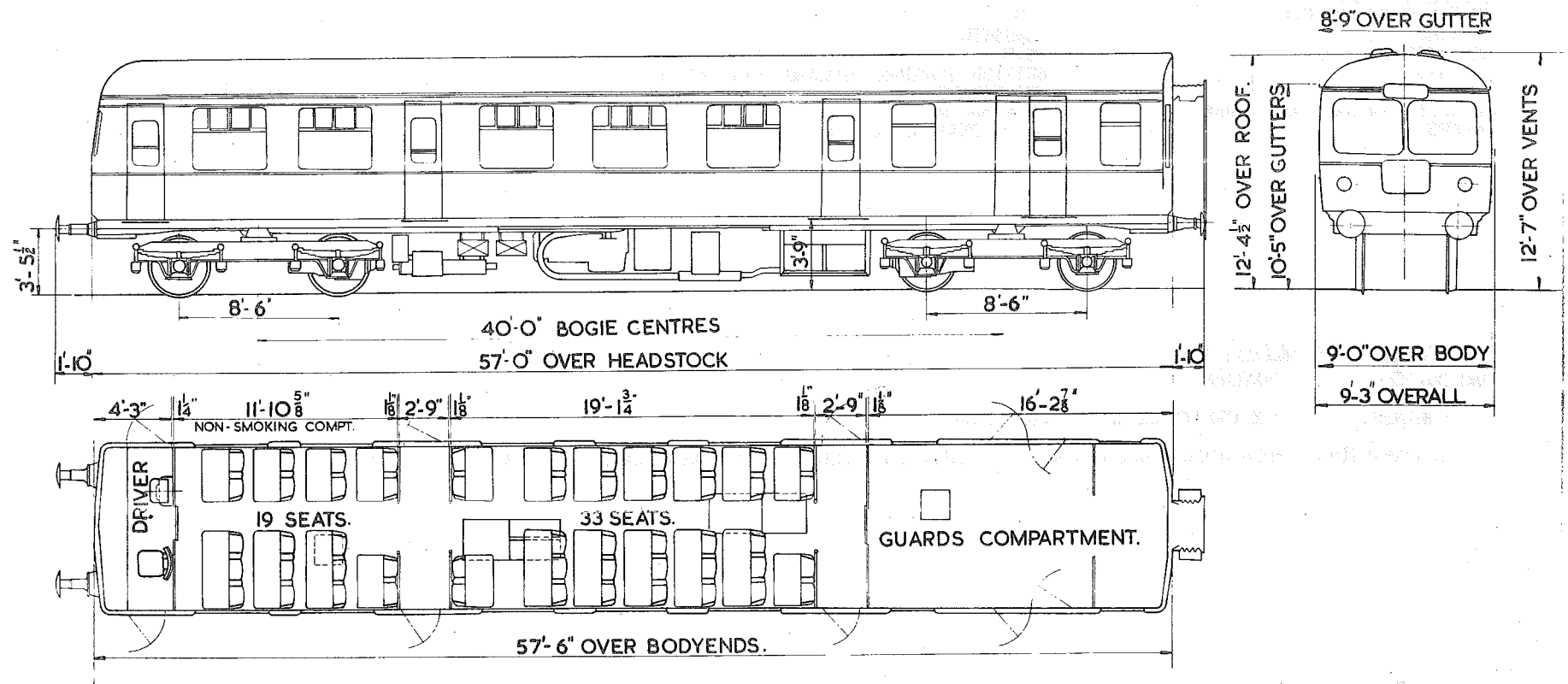
DMU-BUILDER	CRAVENS
ENGINES	2 X 150 HP AEC 6 CYL. HORIZONTAL
TRANSMISSION	MECHANICAL-CARDAN SHAFT & FREEWHEEL/4 SPEED EPICYCLIC GEARBOX/CARDAN SHAFT

BASIC TYPE

DQ 208 0A

VARIANTS

1A A.V.S. FITTED.



SEATS
TOILETS
COMPARTMENTS
GUARDS COMPARTMENTS
VENTILATION
CATERING EQUIPMENT

52

—
—
—
—
—
—

ORIGINAL DIAGRAMS FOR REFERENCE.—
BR 532

ISSUE
2

DATE
MAY '81

DQ 209

BRAKES
BOGIE/SUSPENSION
BODY CONSTRUCTION
COUPLINGS
TRAIN HEATING
MAX.SPEED M.P.H.
MIN.RAD.CURVE CHAINS
LIGHTING
TARE WEIGHT TONNES
GANGWAYS
A.W.S.
MULTIPLE WORKING CODE SYMBOL
BUFFERS

BASIC TYPE

VACUUM
DD8 MK 1
STEEL
SCREW
OIL BURNING AIR HEATER
70
3.5
TUNGSTEN
30.5
BRITISH STANDARD-MIDLAND SCISSORS TYPE
NOT FITTED
BLUE SQUARE
SELF CONTAINED-457 DIA.

ALTERNATIVES

FITTED

TRACTION DATA FOR MULTIPLE UNITS

DMMU-BUILDER	CRAVENS
ENGINES	2 X 150 HP AEC 6 CYL.HORIZONTAL
TRANSMISSION	MECHANICAL-CARDAN SHAFT & FREEWHEEL/4 SPEED EPICYCLIC GEARBOX/CARDAN SHAFT

BASIC TYPE

DQ 209 0A

VARIANTS

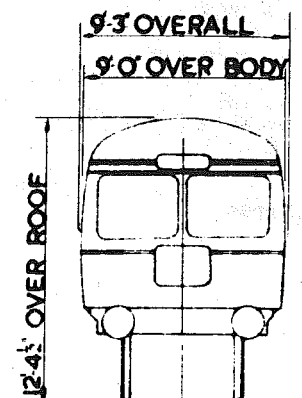
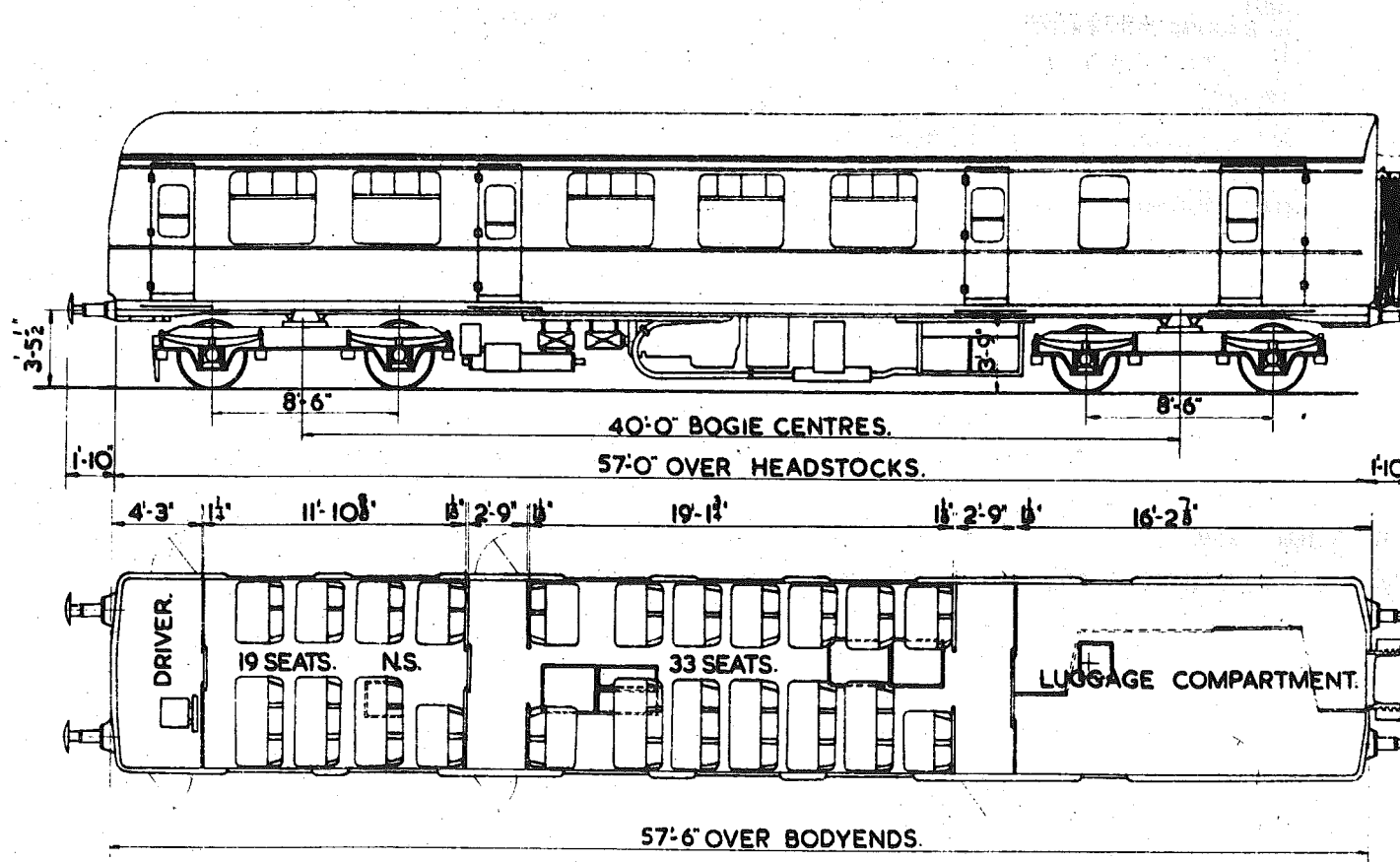
1A A.W.S.FITTED.

DRIVING MOTOR BRAKE SECOND

CLASS 105

DMBS

DQ 210



SEATS	52
TOILETS	-
COMPARTMENTS	-
GUARDS COMPARTMENTS	-
VENTILATION	-
CATERING EQUIPMENT	-

ORIGINAL DIAGRAMS FOR REFERENCE.-
BR 548

ISSUE
3

DATE
DEC '81

DQ 210

BRAKES
BOGIE/SUSPENSION
BODY CONSTRUCTION
COUPLINGS
TRAIN HEATING
MAX. SPEED M.P.H.
MIN. RAD. CURVE CHAINS
LIGHTING
TARE WEIGHT TONNES
GANGWAYS
A.V.S.
MULTIPLE WORKING CODE SYMBOL
BUFFERS

BASIC TYPE

VACUUM
DD8 MK 1
STEEL
SCREW
OIL BURNING AIR HEATER
70
3.5
TUNGSTEN
30.5
BRITISH STANDARD-MIDLAND SCISSORS TYPE
NOT FITTED
BLUE SQUARE
SELF CONTAINED-457 DIA.

ALTERNATIVES

FITTED

TRACTION DATA FOR MULTIPLE UNITS

DMMU-BUILDER	CRAVENS
ENGINES	2 X 150 HP AEC 6 CYL. HORIZONTAL
TRANSMISSION	MECHANICAL-CARDAN SHAFT & FREEWHEEL/4 SPEED EPICYCLIC GEARBOX/CARDAN SHAFT

BASIC TYPE

DQ 210 0A

VARIANTS

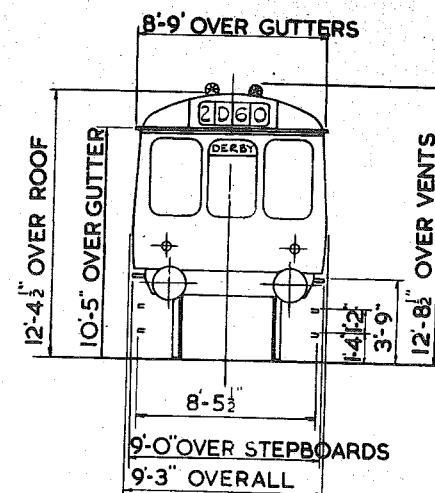
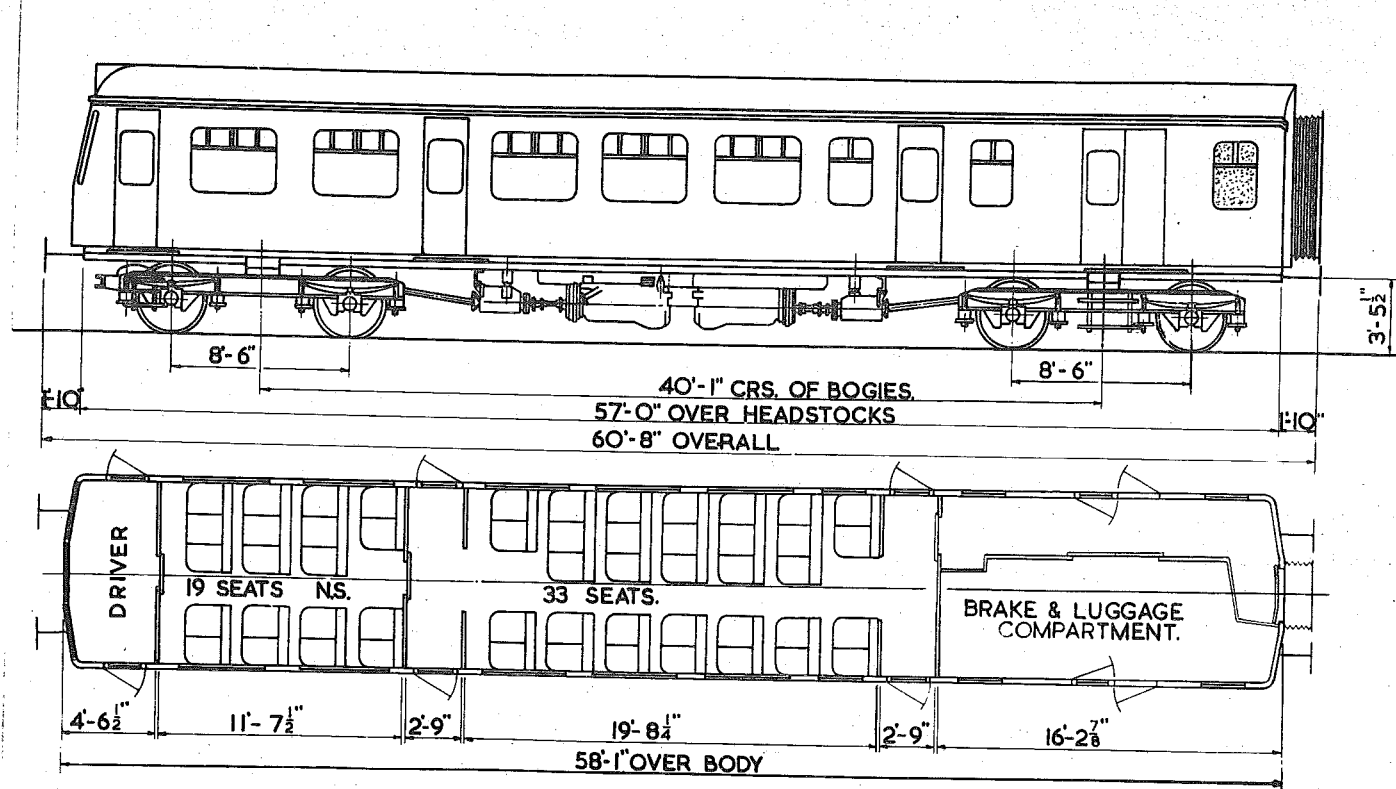
1A A.V.S. FITTED.

DRIVING MOTOR BRAKE SECOND

CLASS 107

DMBS

DQ 211



N.S. - NON SMOKING.

SEATS	52
TOILETS	-
COMPARTMENTS	-
GUARDS COMPARTMENTS	1
VENTILATION	-
CATERING EQUIPMENT	-

ORIGINAL DIAGRAMS FOR REFERENCE:-
BR 639

ISSUE 4 DATE DEC 85

DQ 211

BRAKES
BOGIE/SUSPENSION
BODY CONSTRUCTION
COUPLINGS
TRAIN HEATING
MAX.SPEED M.P.H.
MIN.RAD.CURVE CHAINS
LIGHTING
TARE WEIGHT TONNES
GANGWAYS
A.W.S.
MULTIPLE WORKING CODE SYMBOL
BUFFERS

BASIC TYPE

VACUUM
DD10 MK 7
STEEL
SCREW
OIL BURNING AIR HEATER
70
3.5
TUNGSTEN
35
BRITISH STANDARD-MIDLAND SCISSORS TYPE
FITTED
BLUE SQUARE
SELF CONTAINED-457 DIA.

ALTERNATIVES

FLUORESCENT & TUNGSTEN

TRACTION DATA FOR MULTIPLE UNITS

DMMU-BUILDER	BR DERBY
ENGINES	2 X 150 HP LEYLAND 6 CYL.HORIZONTAL
TRANSMISSION	MECHANICAL-CARDAN SHAFT & FREEWHEEL/4 SPEED EPICYCLIC GEARBOX/CARDAN SHAFT

BASIC TYPE

DQ 211 OD

VARIANTS

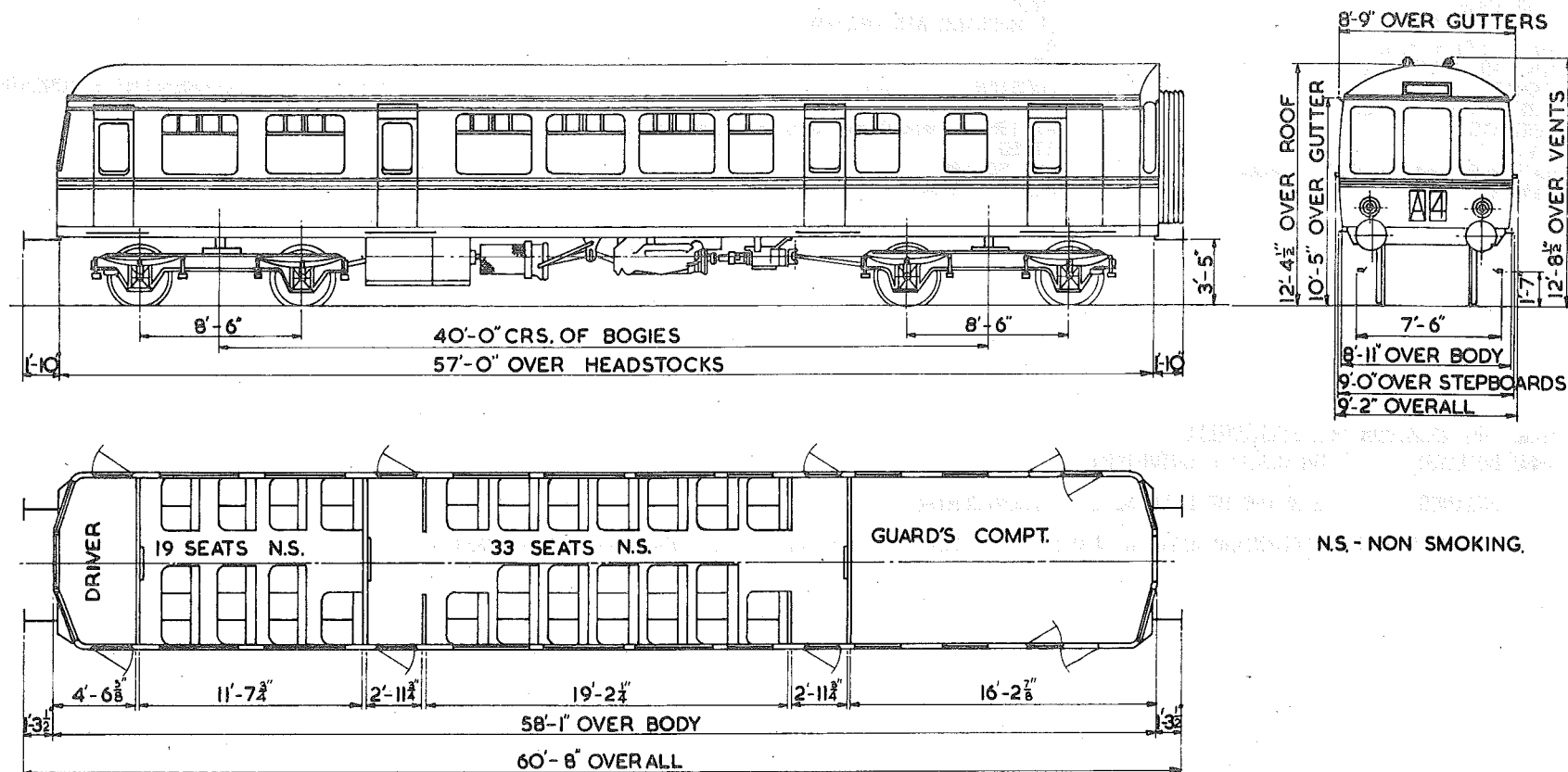
1C REFURBISHED-FLUORESCENT & TUNGSTEN LIGHTING,LEYLAND ENGINES.

DRIVING MOTOR BRAKE SECOND

CLASS 108

DMBS

DQ 212



SEATS	52
TOILETS	-
COMPARTMENTS	-
GUARDS COMPARTMENTS	1
VENTILATION	-
CATERING EQUIPMENT	-

ORIGINAL DIAGRAMS FOR REFERENCE:-
BR 543

ISSUE 2 DATE MAY '01

DQ 212

BRAKES
BOGIE/SUSPENSION
BODY CONSTRUCTION
COUPLINGS
TRAIN HEATING
MAX. SPEED M.P.H.
MIN. RAD. CURVE CHAINS
LIGHTING
TARE WEIGHT TONNES
GANGWAYS
A.V.S.
MULTIPLE WORKING CODE SYMBOL
BUFFERS

BASIC TYPE

VACUUM
DD7 MK 2
STEEL UNDERFRAME & BODY FRAMING-ALUMINIUM BODY & ROOF
SCREW
OIL BURNING AIR HEATER
70
3.5
TUNGSTEN
29.5
BRITISH STANDARD-MIDLAND SCISSORS TYPE
FITTED
BLUE SQUARE
SELF CONTAINED-457 DIA.

ALTERNATIVES

FLUORESCENT & TUNGSTEN

TRACTION DATA FOR MULTIPLE UNITS

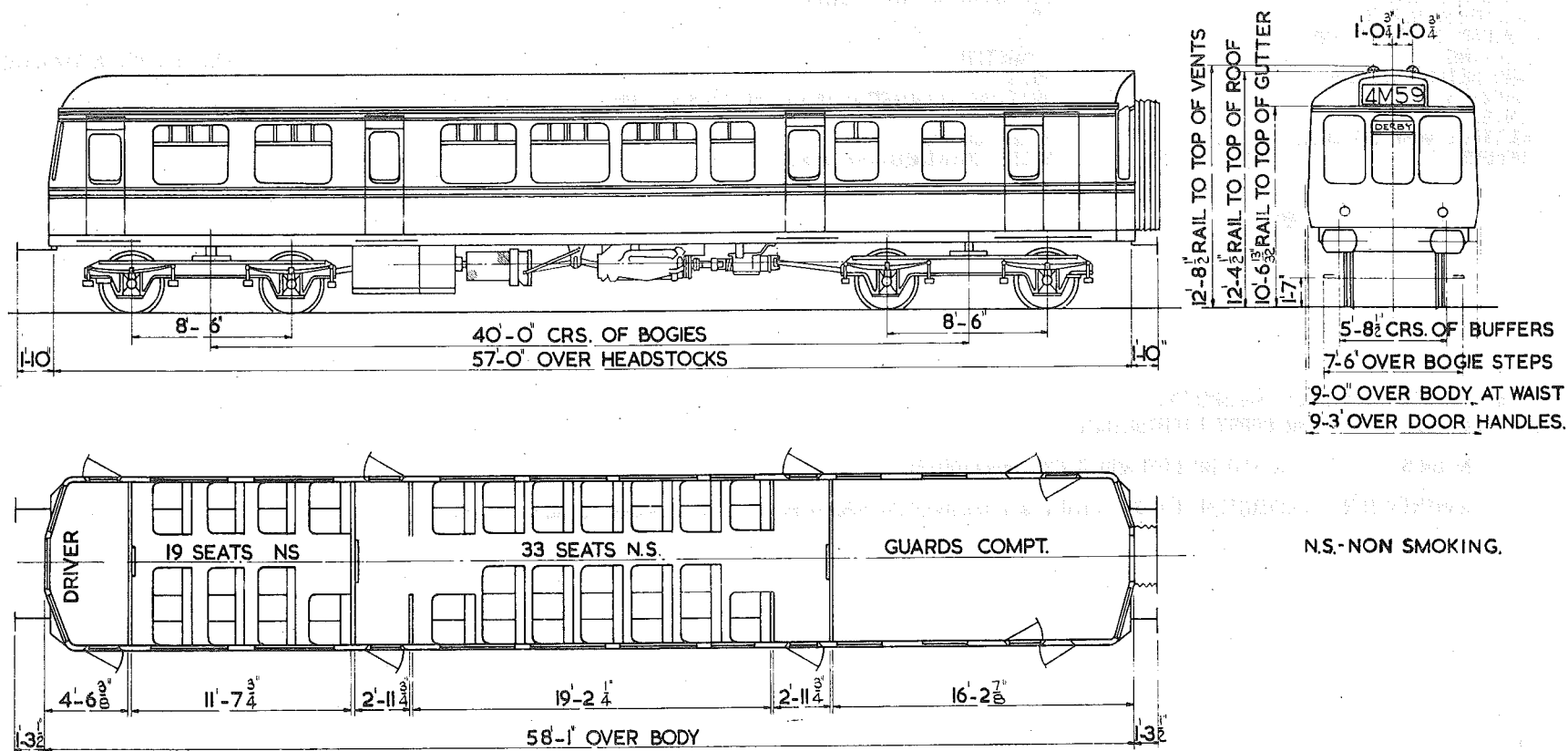
DMU-BUILDER	BR DERBY-LIGHTWEIGHT
ENGINES	2 X 150 HP LEYLAND 6 CYL. HORIZONTAL
TRANSMISSION	MECHANICAL-CARDAN SHAFT & FREEWHEEL/4 SPEED EPICYCLIC GEARBOX/CARDAN SHAFT

BASIC TYPE

DQ 212 1A

VARIANTS

2B REFURBISHED-FLUORESCENT & TUNGSTEN LIGHTING.



SEATS	52
TOILETS	-
COMPARTMENTS	-
GUARDS COMPARTMENTS	1
VENTILATION	-
CATERING EQUIPMENT	-

ORIGINAL DIAGRAMS FOR REFERENCE...
BR 634

ISSUE 2 DATE MAY '81

DQ 213

BRAKES
BOGIE/SUSPENSION
BODY CONSTRUCTION
COUPLINGS
TRAIN HEATING
MAX. SPEED H.P.H.
MIN. RAD. CURVE CHAINS
LIGHTING
TARE WEIGHT TONNES
GANGWAYS
A.V.S.
MULTIPLE WORKING CODE SYMBOL
BUFFERS

BASIC TYPE

VACUUM
DD7 MK 2
STEEL UNDERFRAME & BODY FRAMING-ALUMINIUM BODY & ROOF
SCREW
OIL BURNING AIR HEATER
70
3.5
TUNGSTEN
29.5
BRITISH STANDARD-MIDLAND SCISSORS TYPE
FITTED
BLUE SQUARE
SELF CONTAINED-457 DIA.

ALTERNATIVES

FLUORESCENT & TUNGSTEN

TRACTION DATA FOR MULTIPLE UNITS

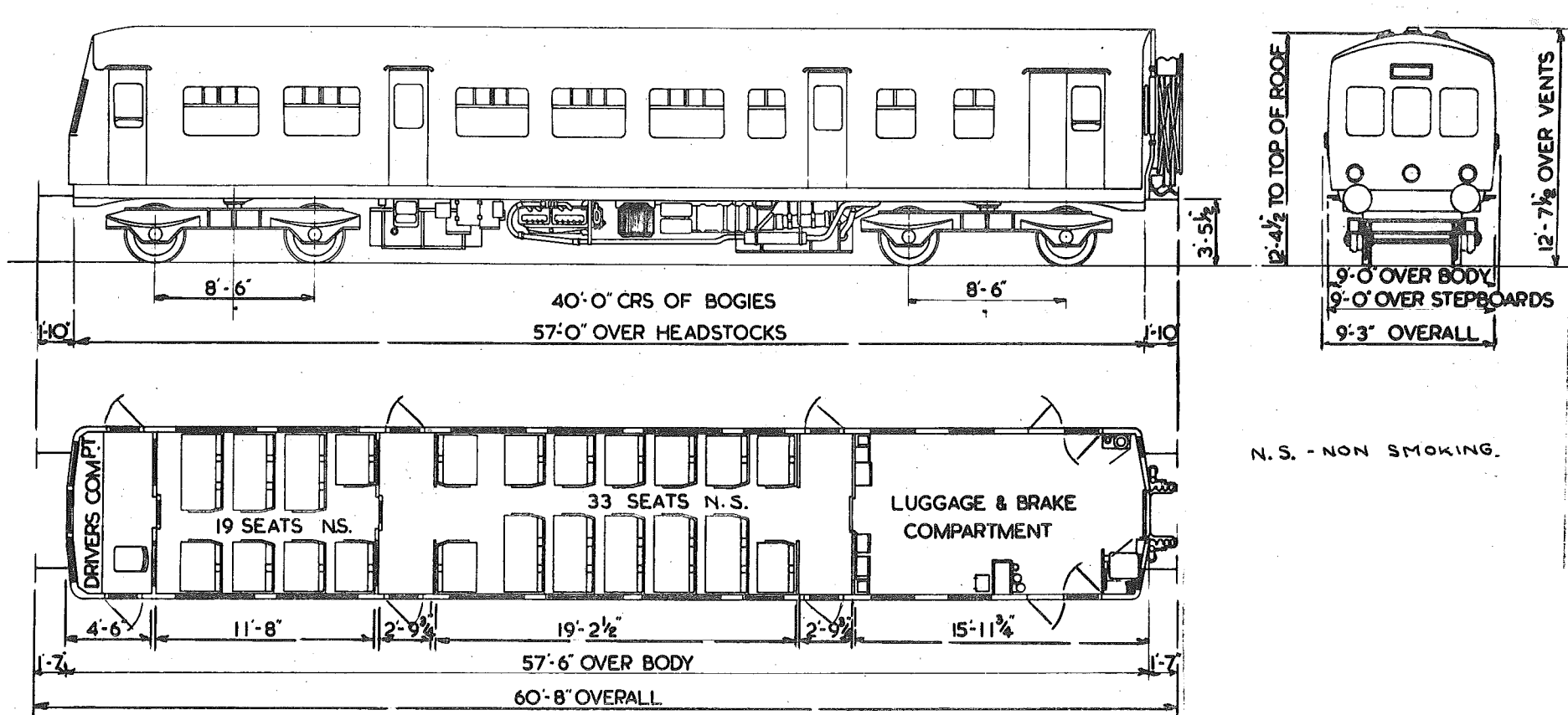
DMMU-BUILDER BR DERBY-LIGHTWEIGHT
ENGINES 2 X 150 HP LEYLAND 6 CYL. HORIZONTAL
TRANSMISSION MECHANICAL-CARDAN SHAFT & FREEWHEEL/4 SPEED EPICYCLIC GEARBOX/CARDAN SHAFT

BASIC TYPE

DQ 213 1A

VARIANTS

2B REFURBISHED-FLUORESCENT & TUNGSTEN LIGHTING.



SEATS	52
TOILETS	-
COMPARTMENTS	-
GUARDS COMPARTMENTS	1
VENTILATION	-
CATERING EQUIPMENT	-

ORIGINAL DIAGRAMS FOR REFERENCE.-
BR 520

ISSUE DATE
2 MAY '81

DQ 214

BASIC TYPE

ALTERNATIVES

BRAKES
BOGIE/SUSPENSION
BODY CONSTRUCTION
COUPLINGS
TRAIN HEATING
MAX. SPEED M.P.H.
MIN. RAD. CURVE CHAINS
LIGHTING
TARE WEIGHT TONNES
GANGWAYS
A.V.S.
MULTIPLE WORKING CODE SYMBOL
BUFFERS

VACUUM
DD15 MK 2
STEEL
SCREW
OIL BURNING AIR HEATER
70
3.5
FLUORESCENT & TUNGSTEN
35.5
BRITISH STANDARD-MIDLAND SCISSORS TYPE
FITTED
BLUE SQUARE
SELF CONTAINED-457 DIA.

TRACTION DATA FOR MULTIPLE UNITS

DMU-BUILDER	METROPOLITAN CAMELL
ENGINES	2 X 180 HP ROLLS ROYCE 6 CYL. HORIZONTAL
TRANSMISSION	MECHANICAL-CARDAN SHAFT & FREEWHEEL/4 SPEED EPICYCLIC GEARBOX/CARDAN SHAFT

BASIC TYPE

DQ 214 1B-REFURBISHED

VARIANTS

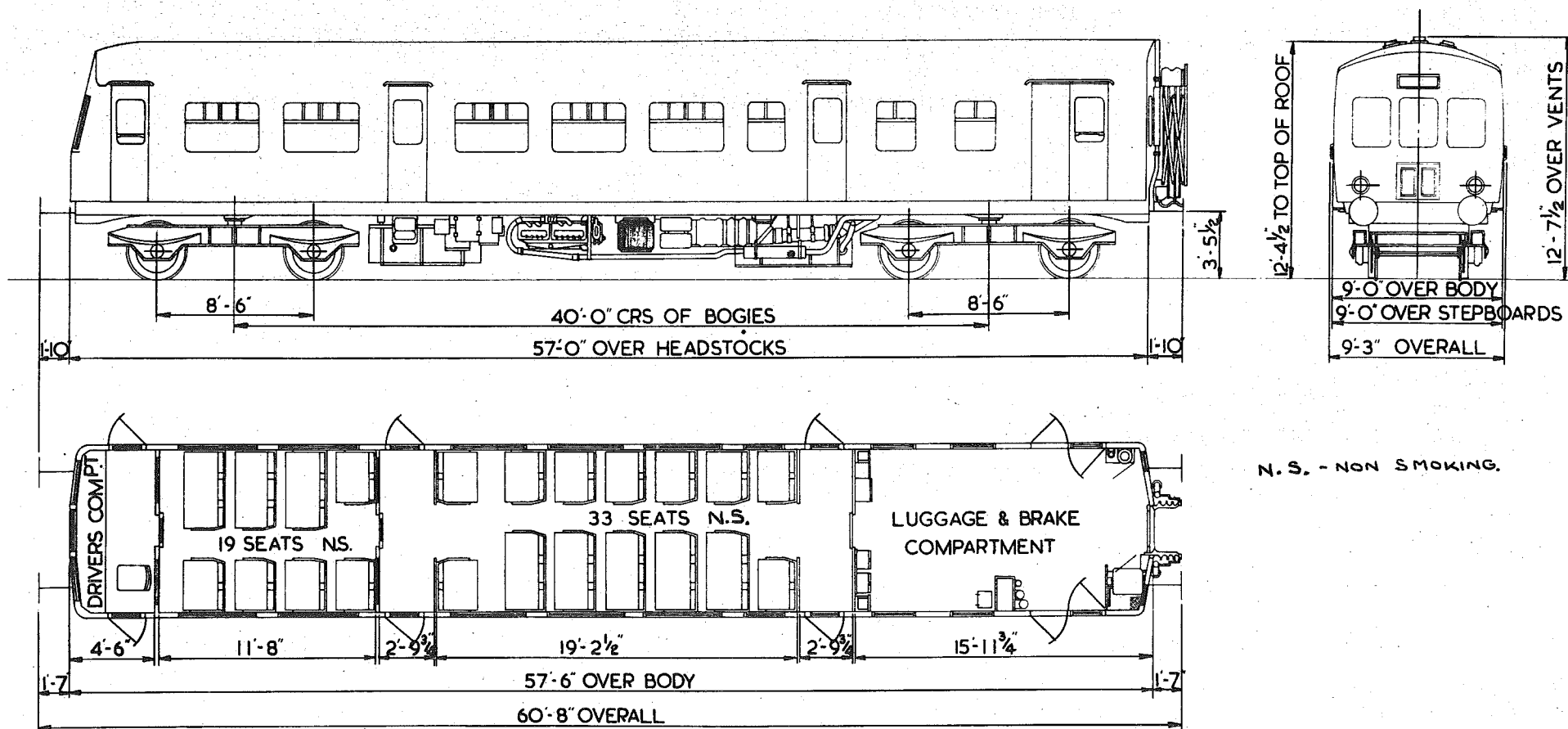
NONE

DRIVING MOTOR BRAKE SECOND

CLASS 111

DMBS

DQ 215



N.S. - NON SMOKING.

SEATS	52
TOILETS	-
COMPARTMENTS	-
GUARDS COMPARTMENTS	1
VENTILATION	-
CATERING EQUIPMENT	-

ORIGINAL DIAGRAMS FOR REFERENCE:-
BR 524

ISSUE	DATE
3	DEC 85

DQ 215

BRAKES
BOGIE/SUSPENSION
BODY CONSTRUCTION
COUPLINGS
TRAIN HEATING
MAX.SPEED M.P.H.
MIN.RAD.CURVE CHAINS
LIGHTING
TARE WEIGHT TONNES
GANGWAYS
A.W.S.
MULTIPLE WORKING CODE SYMBOL
BUFFERS

BASIC TYPE

VACUUM
DD15 MK 2
STEEL
SCREW
OIL BURNING AIR HEATER
70
3.5
FLUORESCENT & TUNGSTEN
32.5
BRITISH STANDARD-MIDLAND SCISSORS TYPE
FITTED
BLUE SQUARE
SELF CONTAINED-457 DIA.

ALTERNATIVES

TRACTION DATA FOR MULTIPLE UNITS

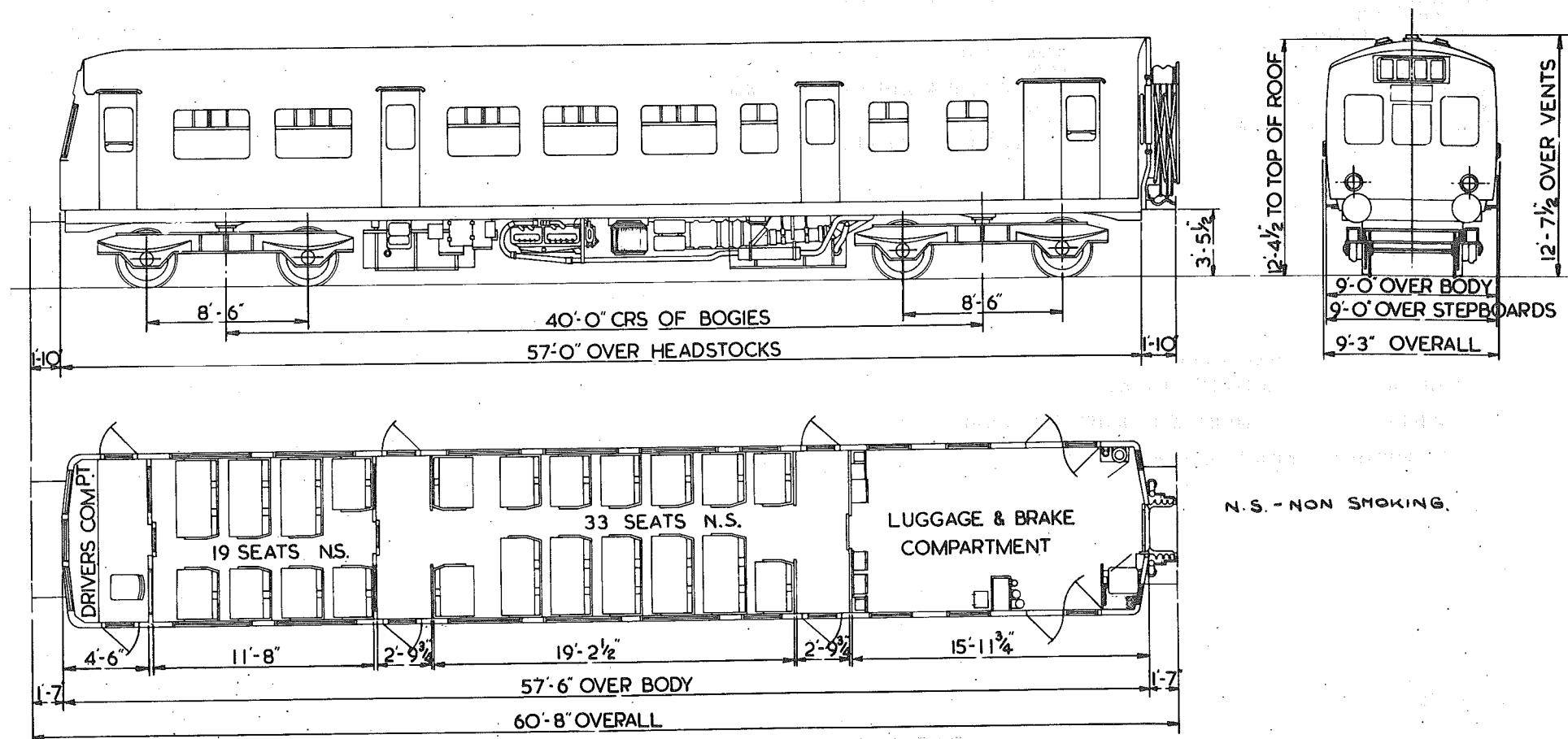
DMMU-BUILDER	METROPOLITAN CAMMELL
ENGINES	2 X 180 HP ROLLS ROYCE 6 CYL.HORIZONTAL
TRANSMISSION	MECHANICAL-CARDAN SHAFT & FREEWHEEL/4 SPEED EPICYCLIC GEARBOX/CARDAN SHAFT

BASIC TYPE

DQ 215 1B-REFURBISHED

VARIANTS

NONE



N.S. - NON SMOKING.

SEATS	52
TOILETS	-
COMPARTMENTS	-
GUARDS COMPARTMENTS	1
VENTILATION	-
CATERING EQUIPMENT	-

ORIGINAL DIAGRAMS FOR REFERENCE:-
BR 615ISSUE
3
DATE
AUG '82

DQ 216

BASIC TYPE

ALTERNATIVES

BRAKES
BOGIE/SUSPENSION
BODY CONSTRUCTION
COUPLINGS
TRAIN HEATING
MAX.SPEED M.P.H.
MIN.RAD.CURVE CHAINS
LIGHTING
TARE WEIGHT TONNES
GANGWAYS
A.W.S.
MULTIPLE WORKING CODE SYMBOL
BUFFERS

VACUUM
DD15 MK 3
STEEL
SCREW
OIL BURNING AIR HEATER
70
3.5
FLUORESCENT & TUNGSTEN
33.5
BRITISH STANDARD-MIDLAND SCISSORS
FITTED
BLUE SQUARE
SELF CONTAINED-457 DIA.

TRACTION DATA FOR MULTIPLE UNITS

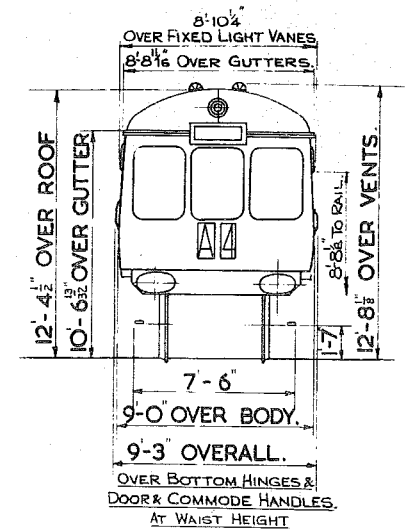
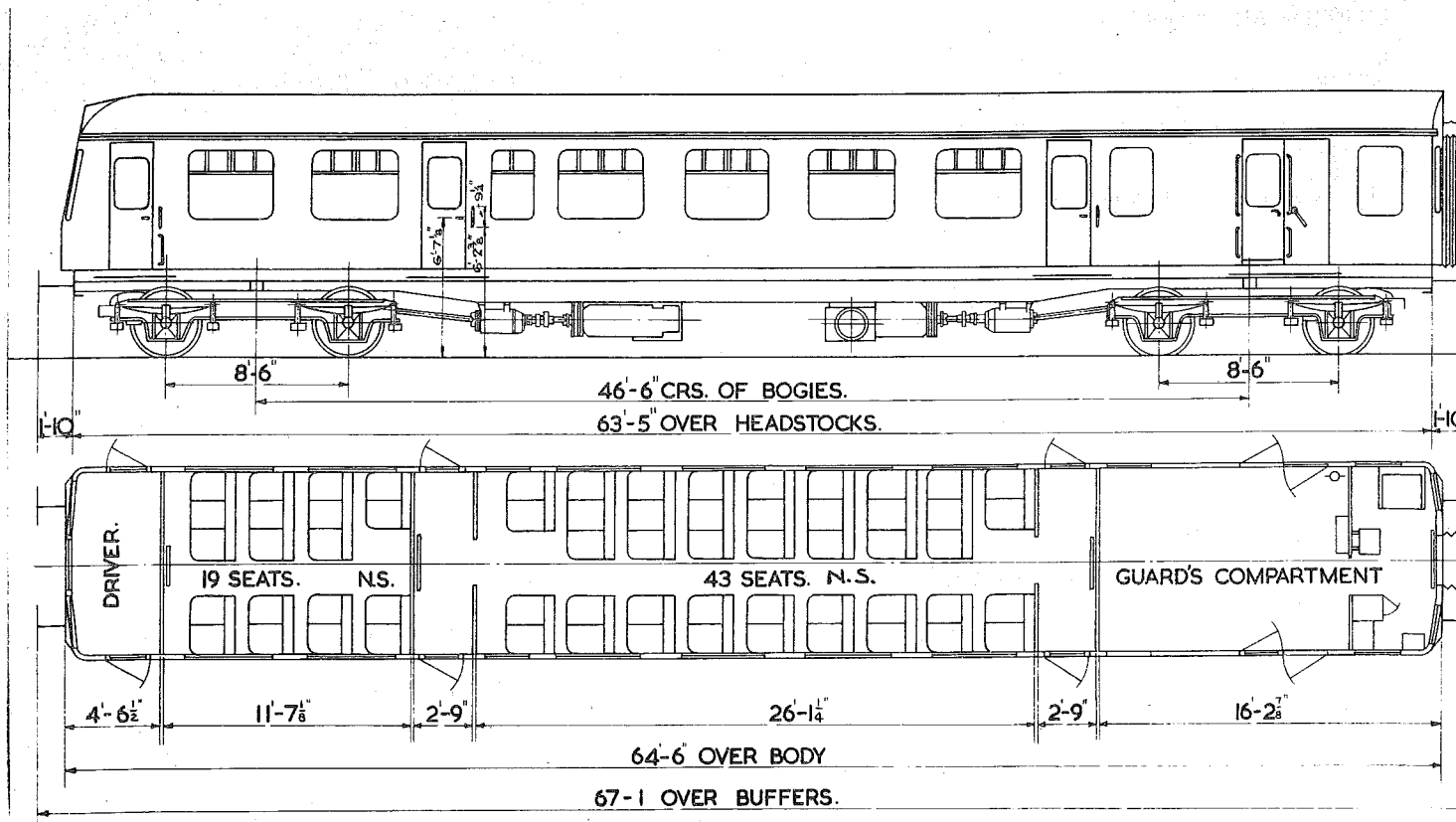
DMU-BUILDER METROPOLITAN CAMELL
ENGINES 2 X 180 HP ROLLS ROYCE 6 CYL.HORIZONTAL
TRANSMISSION MECHANICAL-CARDAN SHAFT & FREEWHEEL/4 SPEED EPICYCLIC GEARBOX/CARDAN SHAFT

BASIC TYPE

DQ 216 1B

VARIANTS

NONE



NS - NON SMOKING.

SEATS	62
TOILETS	-
COMPARTMENTS	-
GUARDS COMPARTMENTS	1
VENTILATION	-
CATERING EQUIPMENT	-

ORIGINAL DIAGRAMS FOR REFERENCE:-
BR 516

ISSUE 3 DATE DEC 85

DQ 217

BRAKES
BOGIE/SUSPENSION
BODY CONSTRUCTION
COUPLINGS
TRAIN HEATING
MAX.SPEED M.P.H.
MIN.RAD.CURVE CHAINS
LIGHTING
TARE WEIGHT TONNES
GANGWAYS
A.W.S.
MULTIPLE WORKING CODE SYMBOL
BUFFERS

BASIC TYPE

VACUUM
DD9 MK 2
STEEL
SCREW
OIL BURNING AIR HEATER
70
3.5
TUNGSTEN
38
BRITISH STANDARD-MIDLAND SCISSORS TYPE
NOT FITTED
BLUE SQUARE
SELF CONTAINED-559 DIA.OR 559 OVAL

ALTERNATIVES

FLUORESCENT & TUNGSTEN

FITTED

TRACTION DATA FOR MULTIPLE UNITS

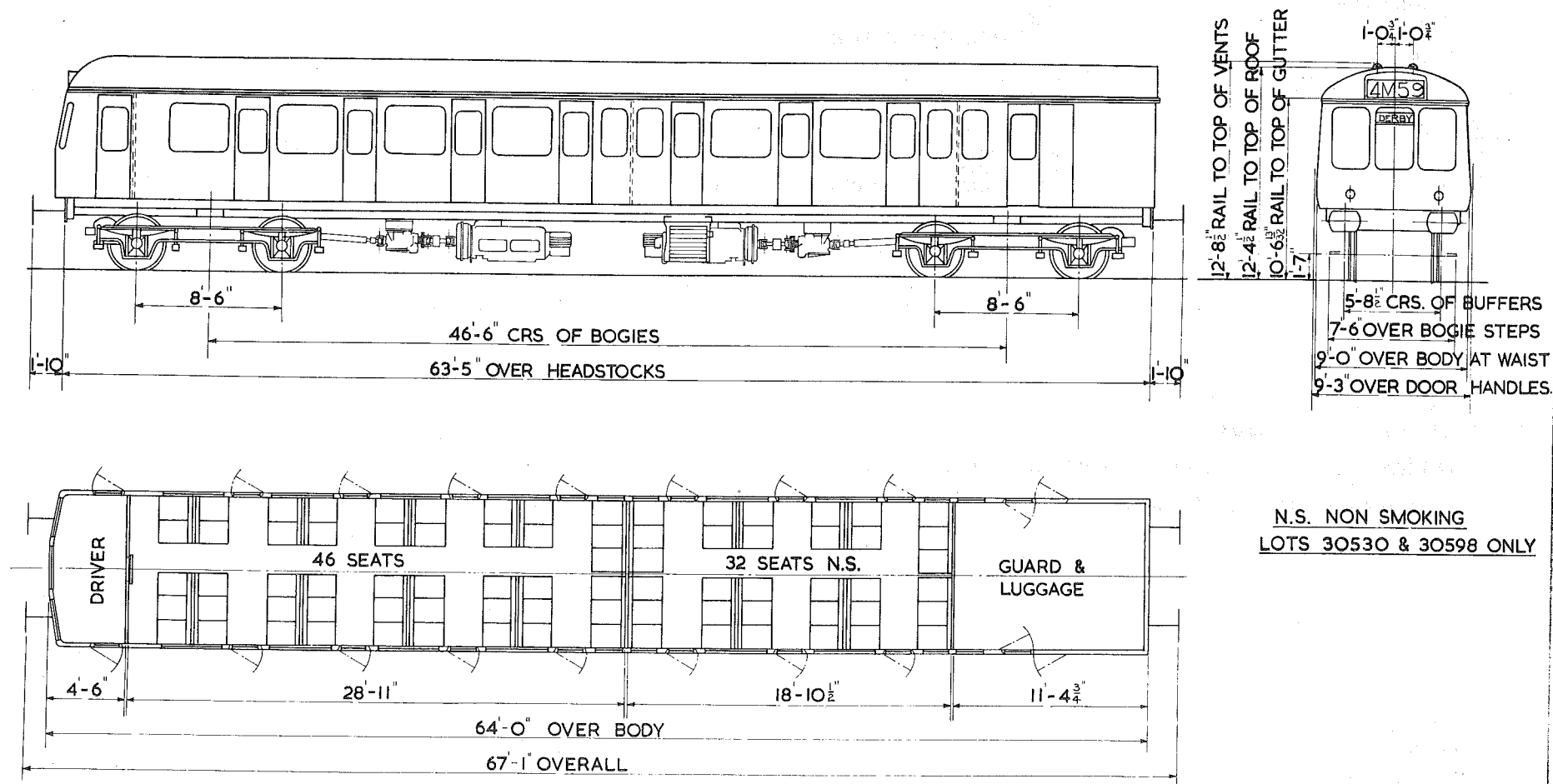
DMMU-BUILDER	BR DERBY
ENGINES	2 X 230 HP LEYLAND ALBION 6 CYL.HORIZONTAL
TRANSMISSION	MECHANICAL-CARDAN SHAFT & FREEWHEEL/4 SPEED EPICYCLIC GEARBOX/CARDAN SHAFT

BASIC TYPE

DQ 217 0A

VARIANTS

2B REFURBISHED-FLUORESCENT & TUNGSTEN LIGHTING,A.W.S.FITTED.
3B REFURBISHED-FLUORESCENT & TUNGSTEN LIGHTING.



N.S. NON SMOKING
LOTS 30530 & 30598 ONLY

SEATS	78
TOILETS	-
COMPARTMENTS	-
GUARDS COMPARTMENTS	1
VENTILATION	-
CATERING EQUIPMENT	-

ORIGINAL DIAGRAMS FOR REFERENCE.-
BR 598

ISSUE
1
DATE
SEP' 80

DQ 218

BRAKES
BOGIE/SUSPENSION
BODY CONSTRUCTION
COUPLINGS
TRAIN HEATING
MAX. SPEED M.P.H.
MIN. RAD. CURVE CHAINS
LIGHTING
TARE WEIGHT TONNES
GANGWAYS
A.V.S.
MULTIPLE WORKING CODE SYMBOL
BUFFERS

BASIC TYPE

VACUUM
DD13 MK 2
STEEL
SCREW
OIL BURNING AIR HEATER
70
3.5
ELECTRIC
38.5
NOT FITTED
NOT FITTED
BLUE SQUARE
SELF CONTAINED-559 DIA. OR 559 OVAL

ALTERNATIVES

FLUORESCENT & TUNGSTEN
39

FITTED

TRACTION DATA FOR MULTIPLE UNITS

DMMU-BUILDER

BR DERBY

ENGINES 2 X 230 HP LEYLAND ALBION 6 CYL. HORIZONTAL

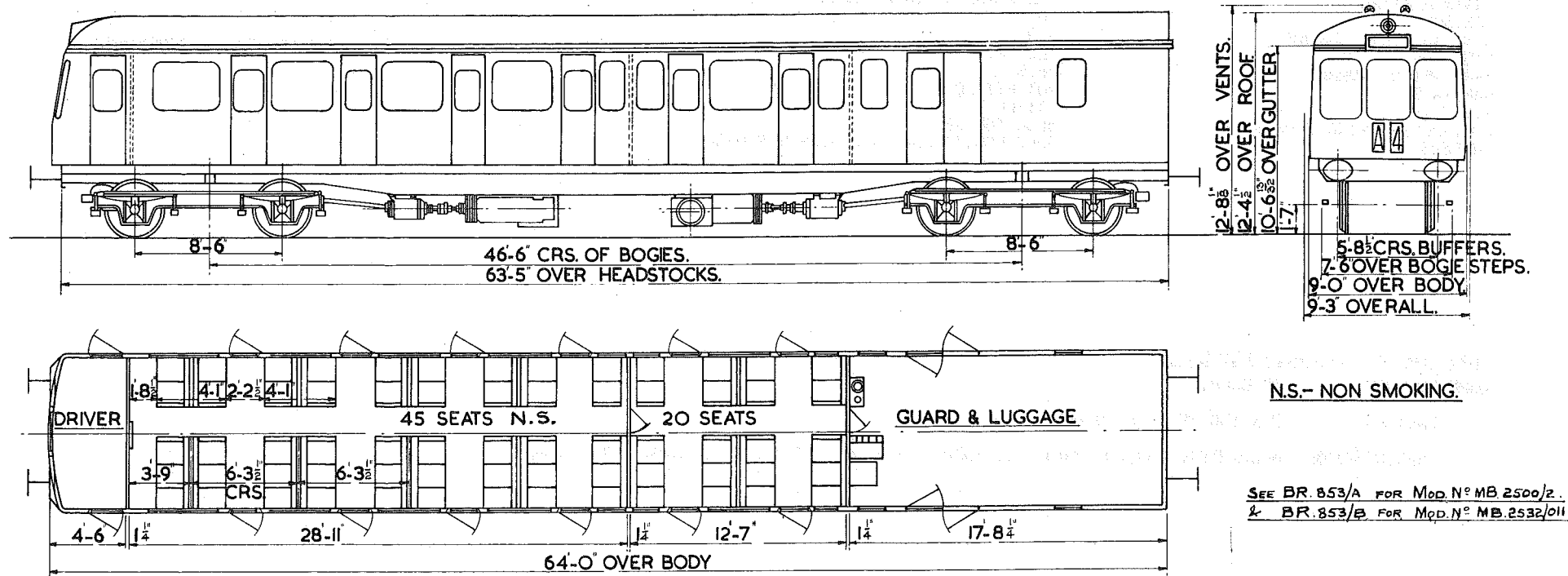
TRANSMISSION MECHANICAL-CARDAN SHAFT & FREEWHEEL/4 SPEED EPICYCLIC GEARBOX/CARDAN SHAFT

BASIC TYPE

DQ 218 0A

VARIANTS

- 1A A.V.S. FITTED.
- 2B REFURBISHED-FLUORESCENT & TUNGSTEN LIGHTING, TARE 39, A.V.S. FITTED.
- 3B REFURBISHED-FLUORESCENT & TUNGSTEN LIGHTING, TARE 39.



SEATS	65
TOILETS	-
COMPARTMENTS	-
GUARDS COMPARTMENTS	1
VENTILATION	-
CATERING EQUIPMENT	-

ORIGINAL DIAGRAMS FOR REFERENCE.-
BR 553

ISSUE	DATE
1	SEP' 80

DQ 219

BASIC TYPE

BRAKES
BOGIE/SUSPENSION
BODY CONSTRUCTION
COUPLINGS
TRAIN HEATING
MAX. SPEED M.P.H.
MIN. RAD. CURVE CHAINS
LIGHTING
TARE WEIGHT TONNES
GANGWAYS
A.V.S.
MULTIPLE WORKING CODE SYMBOL
BUFFERS

VACUUM
DD10 MK 1 & MK 2 (ONE OF EACH)
STEEL
SCREW
OIL BURNING AIR HEATER
70
3.5
ELECTRIC
36.5
NOT FITTED
FITTED
BLUE SQUARE
SELF CONTAINED-559 DIA. OR 559 OVAL

ALTERNATIVES

FLUORESCENT & TUNGSTEN

TRACTION DATA FOR MULTIPLE UNITS

DMMU-BUILDER BR DERBY

ENGINES 2 X 150 HP LEYLAND 6 CYL. HORIZONTAL

TRANSMISSION MECHANICAL-CARDAN SHAFT & FREEWHEEL/4 SPEED EPICYCLIC GEARBOX/CARDAN SHAFT

BASIC TYPE

DQ 219 1A

VARIANTS

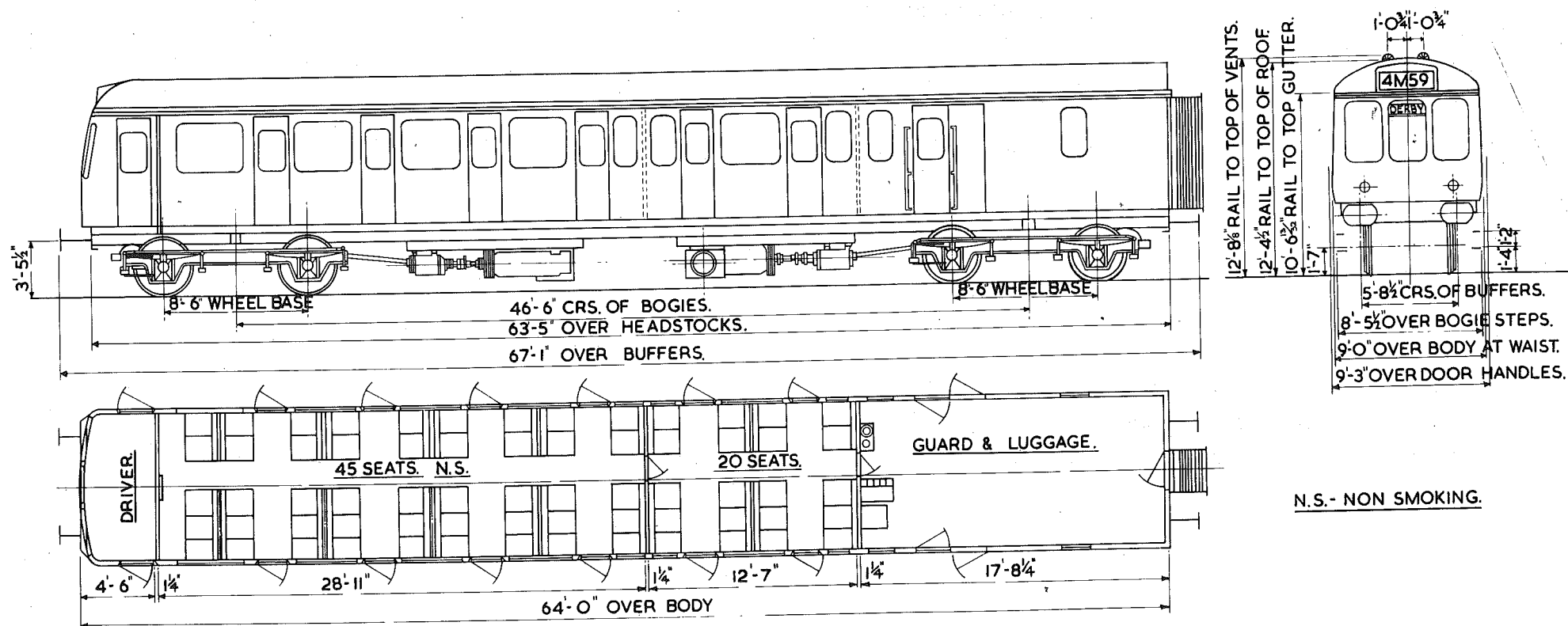
2B REFURBISHED-FLUORESCENT & TUNGSTEN LIGHTING.

DRIVING MOTOR BRAKE SECOND

CLASS 117
118

DMBS

DQ 220



SEATS	65
TOILETS	-
COMPARTMENTS	-
GUARDS COMPARTMENTS	1
VENTILATION	-
CATERING EQUIPMENT	-

ORIGINAL DIAGRAMS FOR REFERENCE:-
BR 850

ISSUE 3
DATE MAR 86

DQ 220

BASIC TYPE

BRAKES
BOGIE/SUSPENSION
BODY CONSTRUCTION
COUPLINGS
TRAIN HEATING
MAX.SPEED M.P.H.
MIN.RAD.CURVE CHAINS
LIGHTING
TARE WEIGHT TONNES
GANGWAYS
A.W.S.
MULTIPLE WORKING CODE SYMBOL
BUFFERS

VACUUM
DD10 MK 5 & MK 6(ONE OF EACH)
STEEL
SCREW
OIL BURNING AIR HEATER
70
3.5
TUNGSTEN
36.5
BRITISH STANDARD-WR SUSPENSION TYPE
FITTED
BLUE SQUARE
SELF CONTAINED-559 DIA.OR 559 OVAL

ALTERNATIVES

FLUORESCENT & TUNGSTEN

TRACTION DATA FOR MULTIPLE UNITS

DMMU-BUILDER CLASS 117-PRESSED STEEL CLASS 118-BIRMINGHAM RAILWAY C. & W.Co.Ltd.
ENGINES 2 X 150 HP LEYLAND 6 CYL.HORIZONTAL
TRANSMISSION MECHANICAL-CARDAN SHAFT & FREEWHEEL/4 SPEED EPICYCLIC GEARBOX/CARDAN SHAFT

BASIC TYPE

DQ 220 OA-CLASS 118

VARIANTS

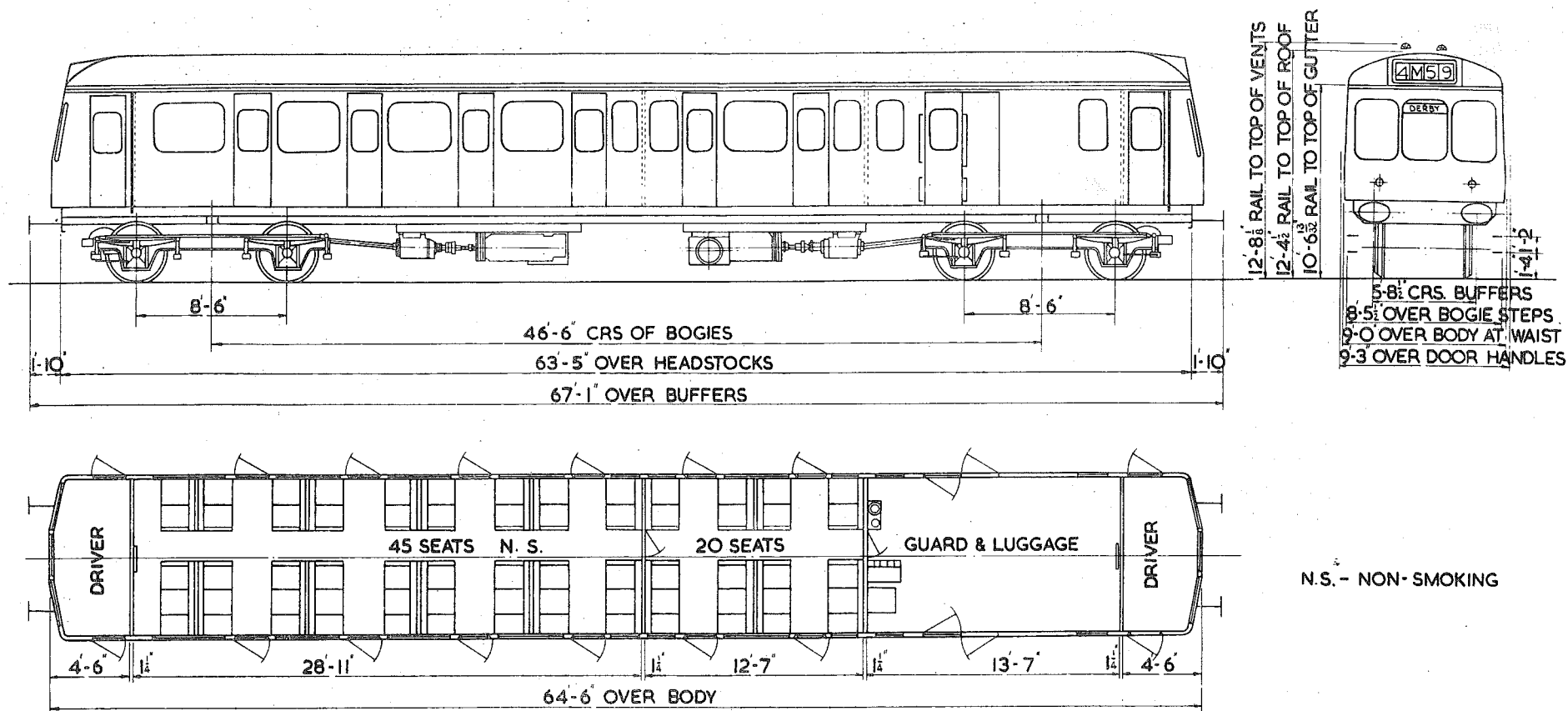
1C CLASS 117-REFURBISHED-FLUORESCENT & TUNGSTEN LIGHTING.
1D CLASS 118-REFURBISHED-FLUORESCENT & TUNGSTEN LIGHTING.

DRIVING MOTOR BRAKE SECOND

CLASS 121

DMBS

DQ 221



N.S. - NON-SMOKING

SEATS	65
TOILETS	-
COMPARTMENTS	-
GUARDS COMPARTMENTS	1
VENTILATION	-
CATERING EQUIPMENT	-

ORIGINAL DIAGRAMS FOR REFERENCE, -
OR 512

ISSUE 2 DATE MAY '81

DQ 221

BRAKES
BOGIE/SUSPENSION
BODY CONSTRUCTION
COUPLINGS
TRAIN HEATING
MAX. SPEED N.P.H.
MIN. RAD. CURVE CHAINS
LIGHTING
TARE WEIGHT TONNES
GANGWAYS
A.V.S.
MULTIPLE WORKING CODE SYMBOL
BUFFERS
ENGINES

BASIC TYPE

VACUUM
DD10 MK 3 & MK 4 (ONE OF EACH)
STEEL
SCREW
OIL BURNING AIR HEATER
70
3.5
TUNGSTEN
38
NOT FITTED
FITTED
BLUE SQUARE
SELF CONTAINED-559 DIA. OR 559 OVAL
LEYLAND

ALTERNATIVES

FLUORESCENT & TUNGSTEN

AEC

TRACTION DATA FOR MULTIPLE UNITS

DMU-BUILDER PRESSED STEEL

ENGINES 2 X 150 HP AEC 6 CYL. HORIZONTAL OR 2 X 150 HP LEYLAND 6 CYL. HORIZONTAL-SEE VARIANTS

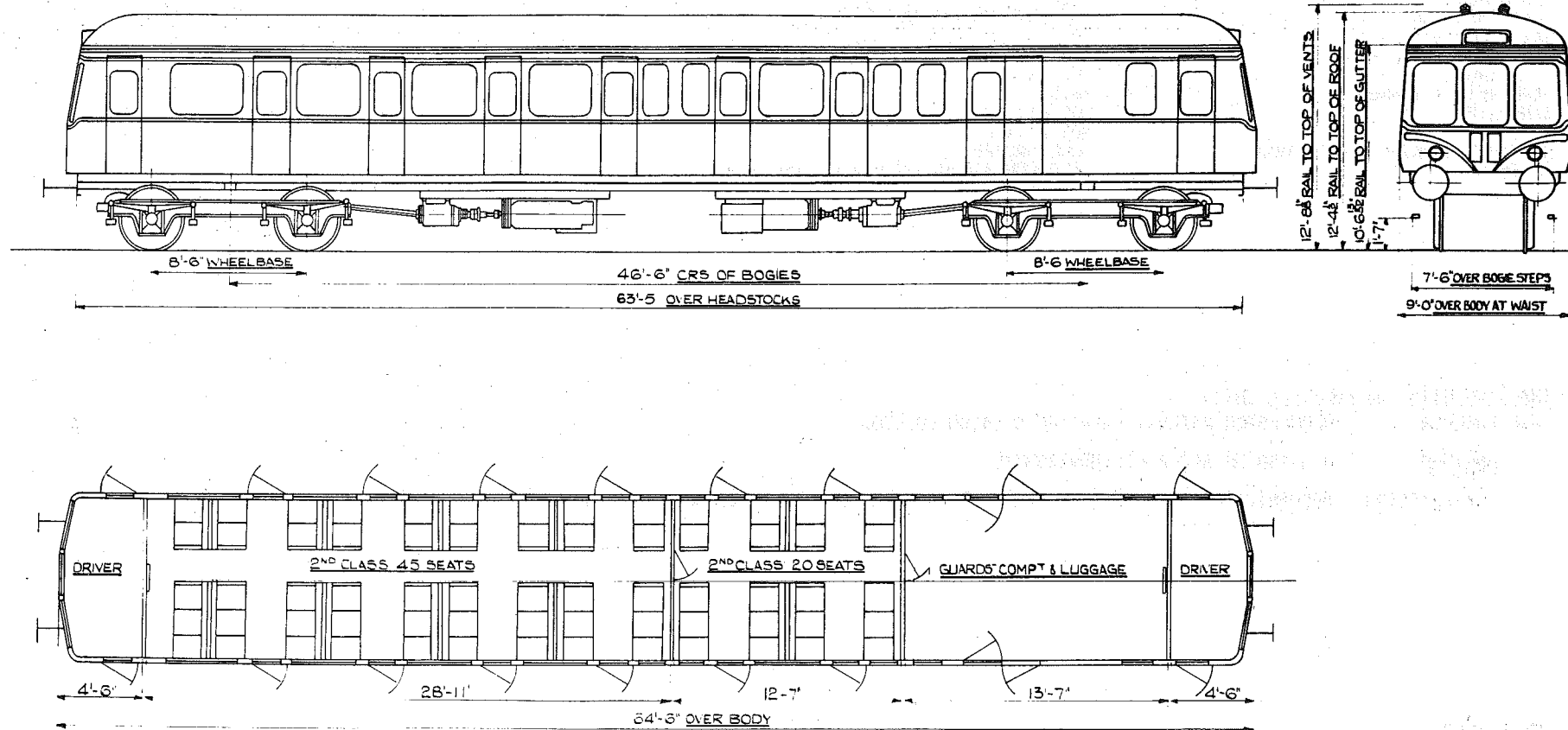
TRANSMISSION MECHANICAL-CARDAN SHAFT & FREEWHEEL/4 SPEED EPICYCLIC GEARBOX/CARDAN SHAFT

BASIC TYPE

DQ 221 0B

VARIANTS

1C REFURBISHED-FLUORESCENT & TUNGSTEN LIGHTING, AEC ENGINES.



SEATS	65
TOILETS	-
COMPARTMENTS	-
GUARDS COMPARTMENTS	1
VENTILATION	-
CATERING EQUIPMENT	-

ORIGINAL DIAGRAMS FOR REFERENCE.-
BR 539

ISSUE 1
DATE SEP' 80

DQ 222

BASIC TYPE

ALTERNATIVES

BRAKES
BOGIE/SUSPENSION
BODY CONSTRUCTION
COUPLINGS
TRAIN HEATING
MAX.SPEED M.P.H.
MIN.RAD.CURVE CHAINS
LIGHTING
TARE WEIGHT TONNES
GANGWAYS
A.V.S.
MULTIPLE WORKING CODE SYMBOL
BUFFERS

VACUUM
DD10 MK 1 & MK 2 (ONE OF EACH)
STEEL
SCREW
OIL BURNING AIR HEATER
70
3.5
ELECTRIC
36.5
NOT FITTED
NOT FITTED
BLUE SQUARE
SELF CONTAINED-559 DIA.OR 559 OVAL

TRACTION DATA FOR MULTIPLE UNITS

DMMU-BUILDER GLOUCESTER RAILWAY CARRIAGE & WAGON CO.LTD.
ENGINES 2 X 150 HP AEC 6 CYL.HORIZONTAL
TRANSMISSION MECHANICAL-CARDAN SHAFT & FREEWHEEL/4 SPEED EPICYCLIC GEARBOX/CARDAN SHAFT

BASIC TYPE

DQ 222 0A

VARIANTS

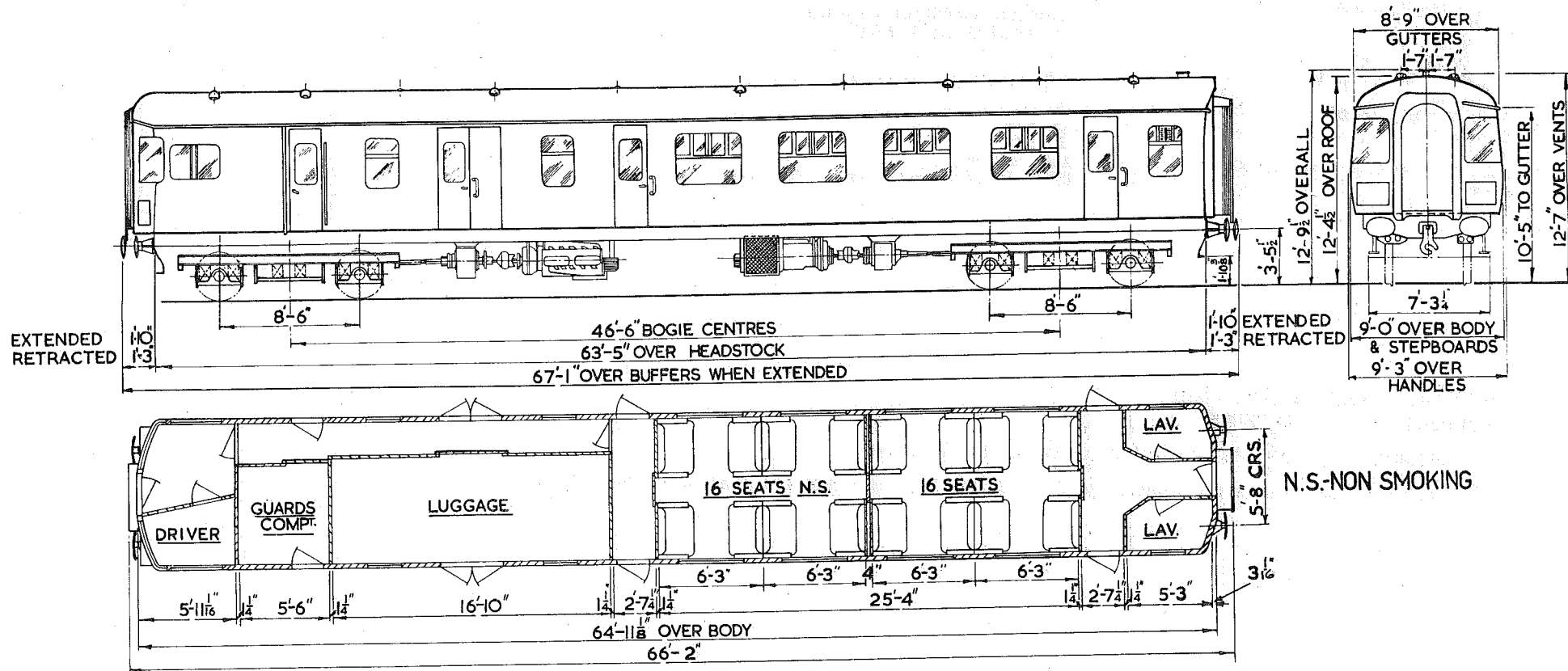
NONE

DRIVING MOTOR BRAKE SECOND

CLASS 123

DMBS

DQ 223



N.S.-NON SMOKING

SEATS	32
TOILETS	2
COMPARTMENTS	-
GUARDS COMPARTMENTS	1
VENTILATION	-
CATERING EQUIPMENT	-

ORIGINAL DIAGRAMS FOR REFERENCE.-
BR 566

ISSUE 1 DATE SEP' 80

DQ 223

BRAKES
BOGIE/SUSPENSION
BODY CONSTRUCTION
COUPLINGS
TRAIN HEATING
MAX. SPEED M.P.H.
MIN. RAD. CURVE CHAINS
LIGHTING
TARE WEIGHT TONNES
GANGWAYS
A.V.S.
MULTIPLE WORKING CODE SYMBOL
BUFFERS

BASIC TYPE

VACUUM
DD4 MK 1 & MK 2 (ONE OF EACH)
STEEL
AUTOMATIC DROPHEAD (BUCKEYE)
OIL BURNING AIR HEATER
70
3.5
ELECTRIC
43
PULLMAN
FITTED
BLUE SQUARE
RETRACTABLE SPINDLE-559 X 356 OVAL

ALTERNATIVES

TRACTION DATA FOR MULTIPLE UNITS

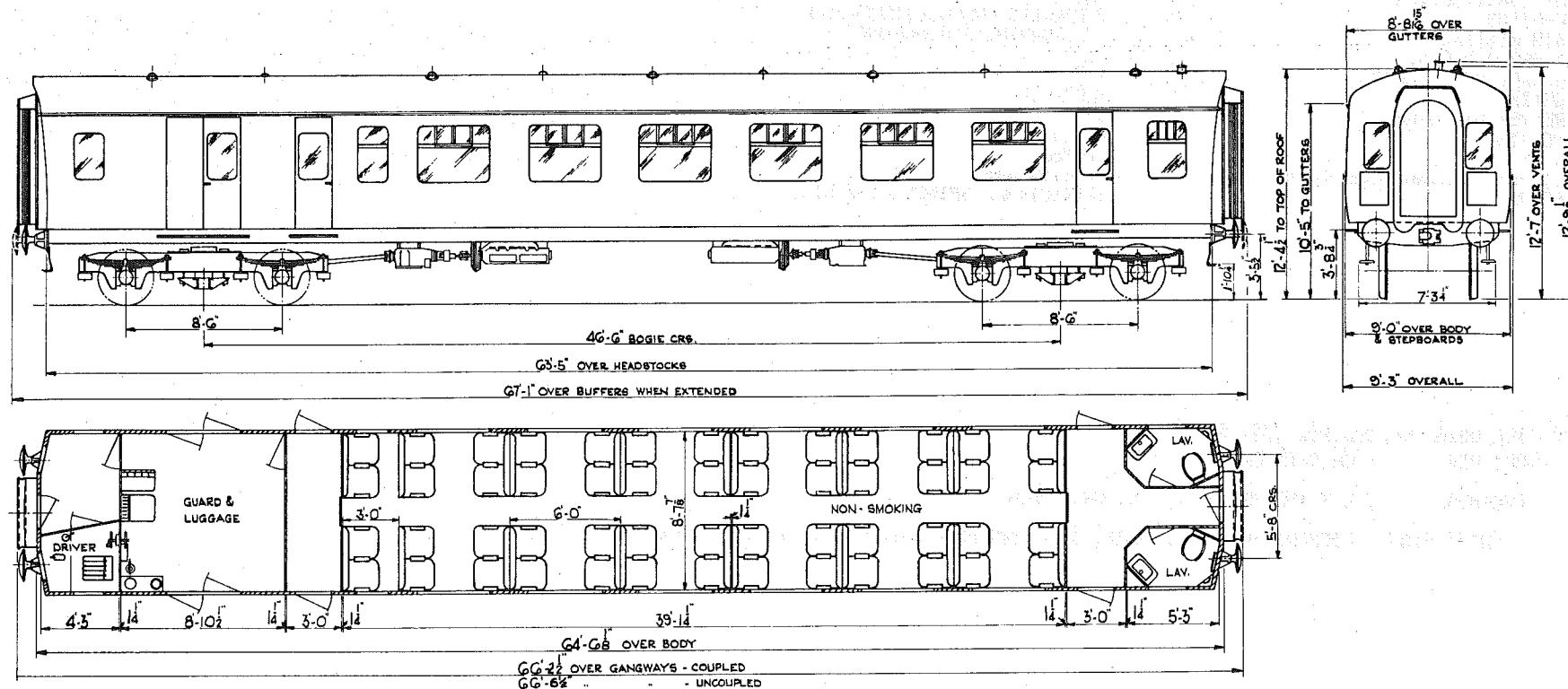
DDMU-BUILDER	BR SWINDON
ENGINES	2 X 230 HP LEYLAND ALBION 6 CYL. HORIZONTAL
TRANSMISSION	MECHANICAL-CARDAN SHAFT & FREEWHEEL/4 SPEED EPICYCLIC GEARBOX/CARDAN SHAFT

BASIC TYPE

DQ 223 0A

VARIANTS

NONE



SEATS	52
TOILETS	2
COMPARTMENTS	-
GUARDS COMPARTMENTS	1
VENTILATION	-
CATERING EQUIPMENT	-

ORIGINAL DIAGRAMS FOR REFERENCE.-
BR 550

ISSUE
1

DATE
SEP' 80

DQ 225

BRAKES
BOGIE/SUSPENSION
BODY CONSTRUCTION
COUPLINGS
TRAIN HEATING
MAX.SPEED M.P.H.
MIN.RAD.CURVE CHAINS
LIGHTING
TARE WEIGHT TONNES
GANGWAYS
A.V.S.
MULTIPLE WORKING CODE SYMBOL
BUFFERS

BASIC TYPE

VACUUM
DD1 MK 1
STEEL
AUTOMATIC DROPHEAD (BUCKEYE)
OIL BURNING AIR HEATER
70
3.5
ELECTRIC
40
PULLMAN
FITTED
BLUE SQUARE
RETRACTABLE SPINDLE-457 DIA.

ALTERNATIVES

TRACTION DATA FOR MULTIPLE UNITS

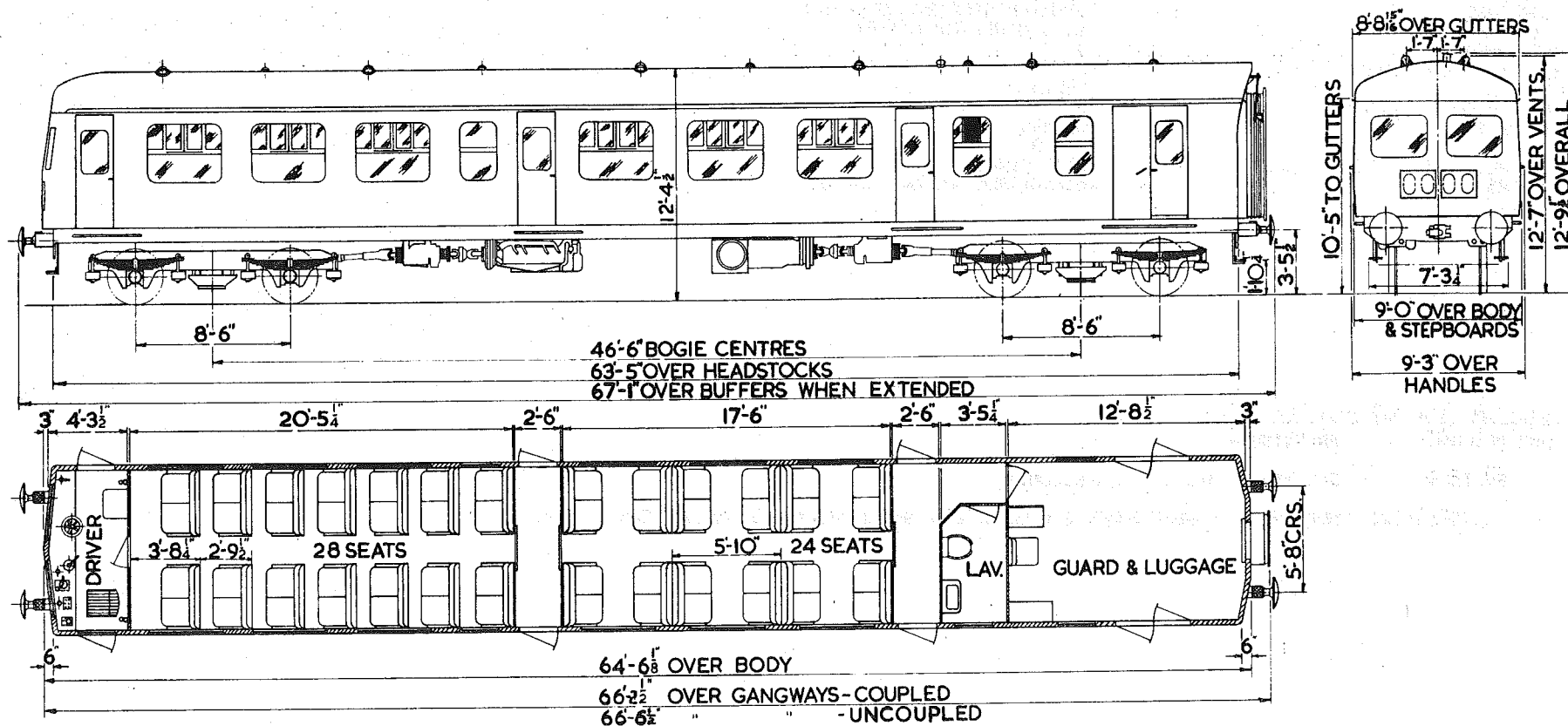
DMMU-BUILDER	BR SWINDON
ENGINES	2 X 150 HP AEC 6 CYL.HORIZONTAL
TRANSMISSION	MECHANICAL-CARDAN SHAFT & FREEWHEEL/4 SPEED EPICYCLIC GEARBOX/CARDAN SHAFT

BASIC TYPE

DQ 225 0A

VARIANTS

NONE



SEATS	52
TOILETS	1
COMPARTMENTS	-
GUARDS COMPARTMENTS	1
VENTILATION	-
CATERING EQUIPMENT	-

ORIGINAL DIAGRAMS FOR REFERENCE, -
BR 608

ISSUE 1
DATE SEP' 80

DQ 226

BRAKES
BOGIE/SUSPENSION
BODY CONSTRUCTION
COUPLINGS
TRAIN HEATING
MAX.SPEED M.P.H.
MIN.RAD.CURVE CHAINS
LIGHTING
TARE WEIGHT TONNES
GANGWAYS
A.V.S.
MULTIPLE WORKING CODE SYMBOL
BUFFERS

BASIC TYPE

VACUUM
DD1 MK 1
STEEL
AUTOMATIC DROPHEAD (BUCKEYE)
OIL BURNING AIR HEATER
70
3.5
ELECTRIC
38.5
PULLMAN
FITTED
WHITE CIRCLE
RETRACTABLE SPINDLE-457 DIA.

ALTERNATIVES

TRACTION DATA FOR MULTIPLE UNITS

DMU-BUILDER	BR SWINDON
ENGINES	2 X 150 HP AEC 6 CYL.HORIZONTAL
TRANSMISSION	MECHANICAL-CARDAN SHAFT & FREEWHEEL/4 SPEED EPICYCLIC GEARBOX/CARDAN SHAFT

BASIC TYPE

DQ 226 0A

VARIANTS

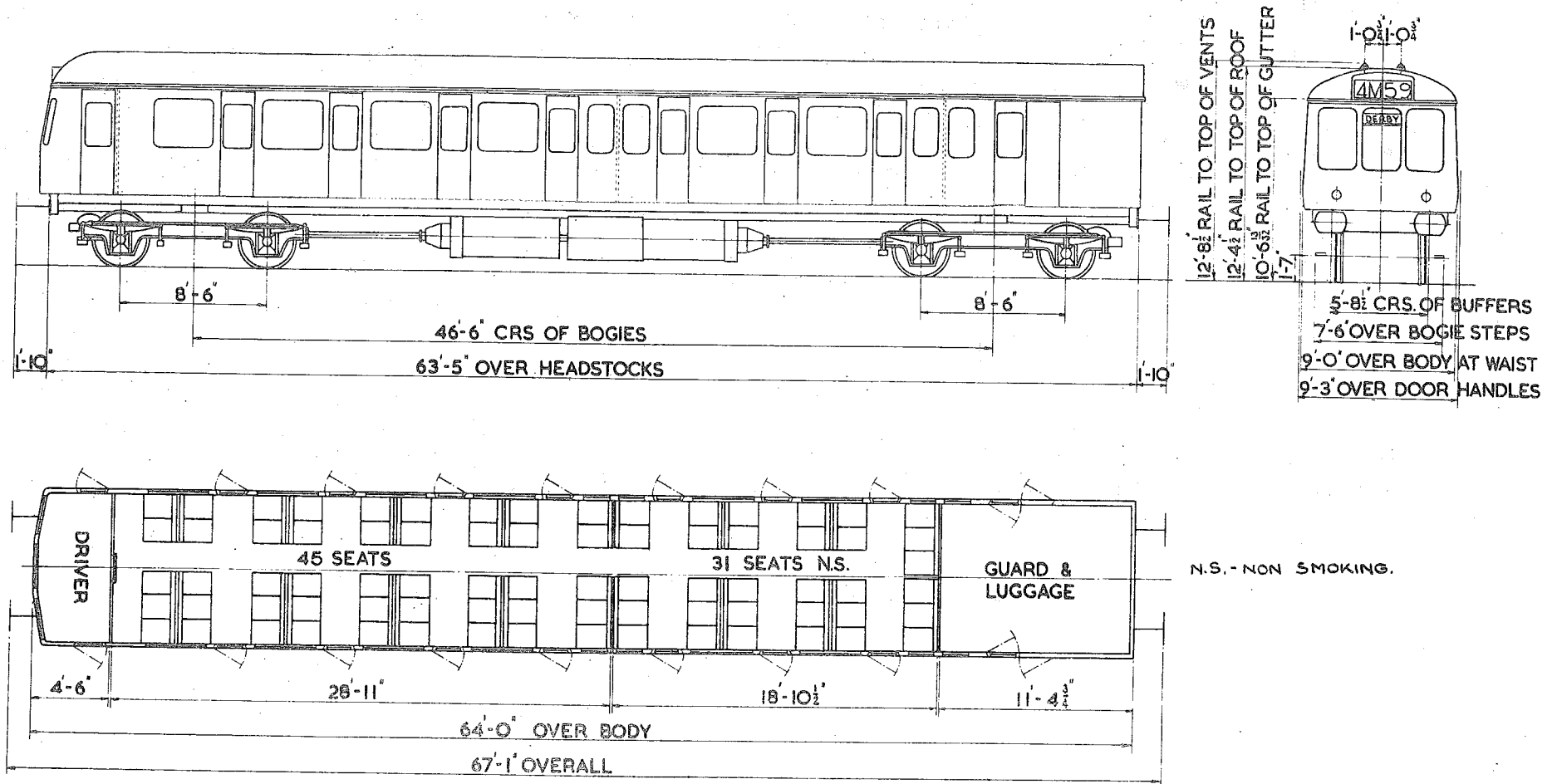
NONE

DRIVING MOTOR BRAKE SECOND

CLASS 127

DMBS

DQ 227



SEATS	76
TOILETS	-
COMPARTMENTS	-
GUARDS COMPARTMENTS	1
VENTILATION	-
CATERING EQUIPMENT	-

ORIGINAL DIAGRAMS FOR REFERENCE.-
BR 588

ISSUE 2 DATE MAY '81

DQ 227

BRAKES
BOGIE/SUSPENSION
BODY CONSTRUCTION
COUPLINGS
TRAIN HEATING
MAX. SPEED M.P.H.
MIN. RAD. CURVE CHAINS
LIGHTING
TARE WEIGHT TONNES
GANGWAYS
A.V.S.
MULTIPLE WORKING CODE SYMBOL
BUFFERS

BASIC TYPE

VACUUM
DD13 MK 1
STEEL
SCREW
OIL BURNING AIR HEATER
70
3.5
TUNGSTEN
40.5
NOT FITTED
FITTED
WHITE CIRCLE
SELF CONTAINED-559 DIA. OR 559 OVAL

ALTERNATIVES

TRACTION DATA FOR MULTIPLE UNITS

DMMU-BUILDER BR DERBY
ENGINES 2 X 238 HP ROLLS ROYCE 8 CYL. HORIZONTAL
TRANSMISSION HYDRAULIC-TORQUE CONVERTOR

BASIC TYPE

DQ 227 0A

VARIANTS

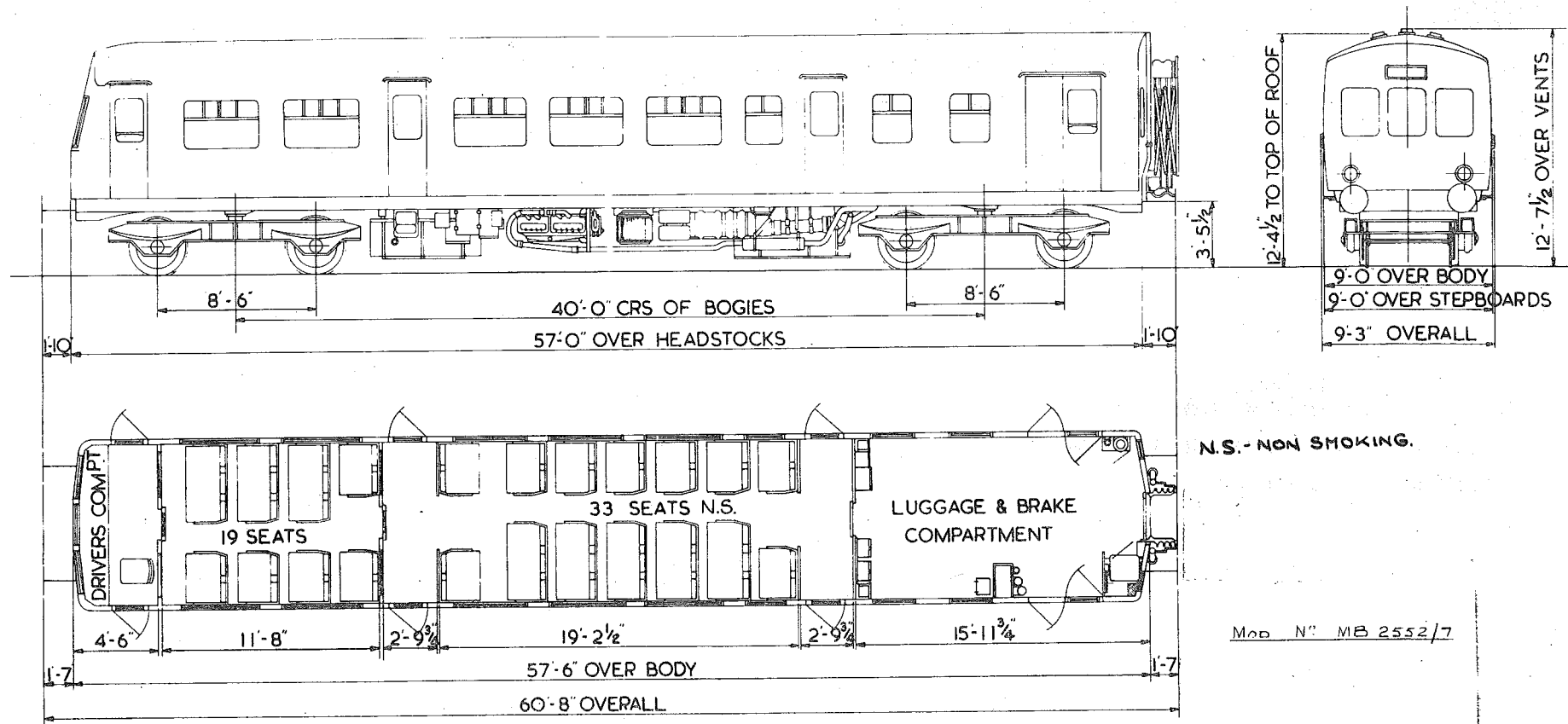
NONE

DRIVING MOTOR BRAKE SECOND

CLASS 101

DMBS

DQ 229



SEATS	52
TOILETS	--
COMPARTMENTS	--
GUARDS COMPARTMENTS	1
VENTILATION	--
CATERING EQUIPMENT	--

ORIGINAL DIAGRAMS FOR REFERENCE.--
DR 657

ISSUE DATE
2 MAY '81

DQ 229

BRAKES
BOGIE/SUSPENSION
BODY CONSTRUCTION
COUPLINGS
TRAIN HEATING
MAX. SPEED M.P.H.
MIN. RAD. CURVE CHAINS
LIGHTING
TARE WEIGHT TONNES
GANGWAYS
A.V.S.
MULTIPLE WORKING CODE SYMBOL
BUFFERS

BASIC TYPE

VACUUM
DD15 MK 3
STEEL
SCREW
OIL BURNING AIR HEATER
70
3.5
FLUORESCENT & TUNGSTEN
32.5
BRITISH STANDARD-MIDLAND SCISSORS TYPE
FITTED
BLUE SQUARE
SELF CONTAINED-457 DIA.

ALTERNATIVES

TRACTION DATA FOR MULTIPLE UNITS

DMU-BUILDER	METROPOLITAN CANNELL
ENGINES	2 X 150 HP LEYLAND 6 CYL. HORIZONTAL
TRANSMISSION	MECHANICAL-CARDAN SHAFT & FREEWHEEL/4 SPEED EPICYCLIC GEARBOX/CARDAN SHAFT

BASIC TYPE

DQ 229 1B-REFURBISHED

VARIANTS

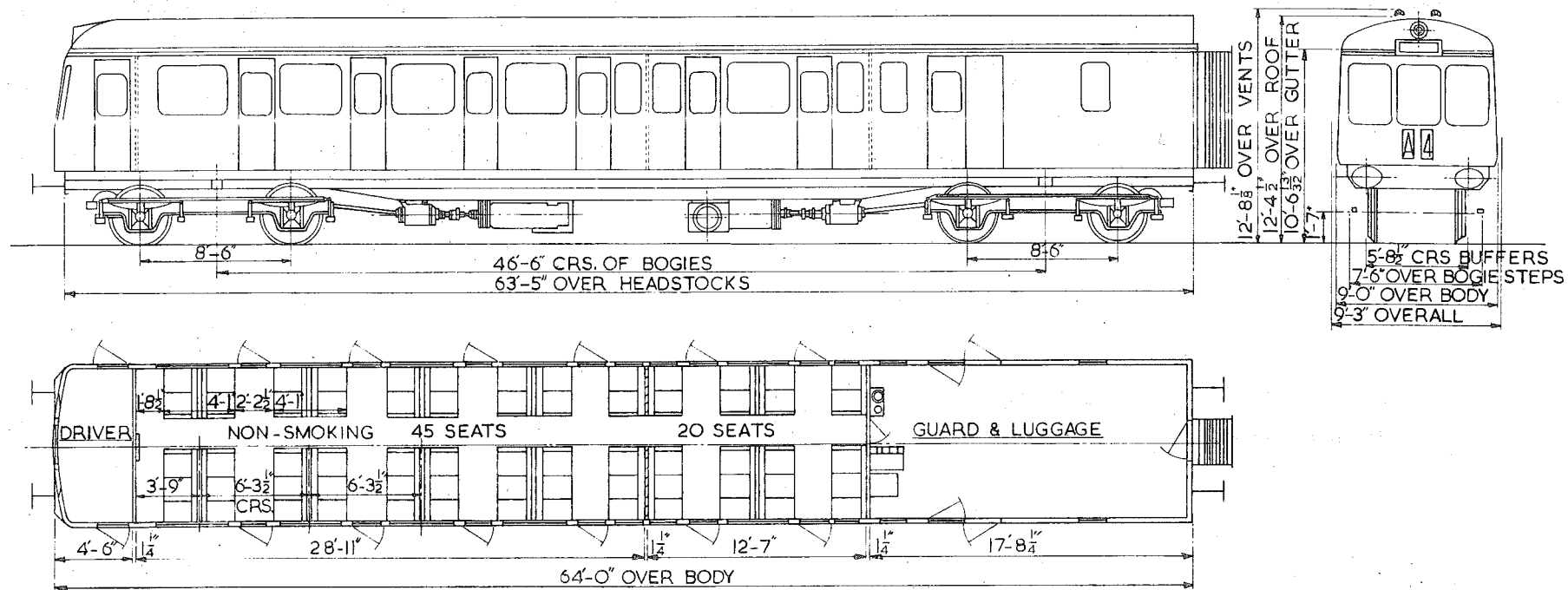
NONE

DRIVING MOTOR BRAKE SECOND

CLASS 116

DMBS

DQ 230



SEATS	65
TOILETS	-
COMPARTMENTS	-
GUARDS COMPARTMENTS	1
VENTILATION	-
CATERING EQUIPMENT	-

ORIGINAL DIAGRAMS FOR REFERENCE.-
BR 6538

ISSUE DATE
2 MAY '81

DQ 230

BRAKES
BOGIE/SUSPENSION
BODY CONSTRUCTION
COUPLINGS
TRAIN HEATING
MAX. SPEED M.P.H.
MIN. RAD. CURVE CHAINS
LIGHTING
TARE WEIGHT TONNES
GANGWAYS
A.V.S.
MULTIPLE WORKING CODE SYMBOL
BUFFERS

BASIC TYPE

VACUUM
DD10 MK 1 & MK 2 (ONE OF EACH)
STEEL
SCREW
OIL BURNING AIR HEATER
70
3.5
TUNGSTEN
36.5
BRITISH STANDARD-V.R. SUSPENSION TYPE
FITTED
BLUE SQUARE
SELF CONTAINED-559 DIA. OR 559 OVAL

ALTERNATIVES

FLUORESCENT & TUNGSTEN

TRACTION DATA FOR MULTIPLE UNITS

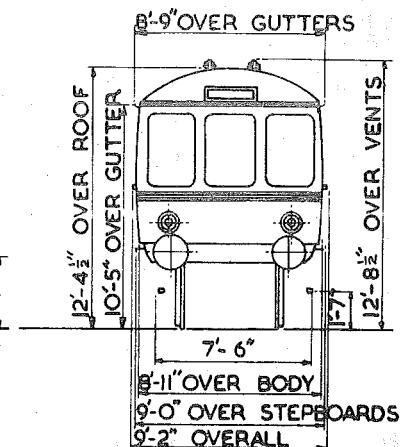
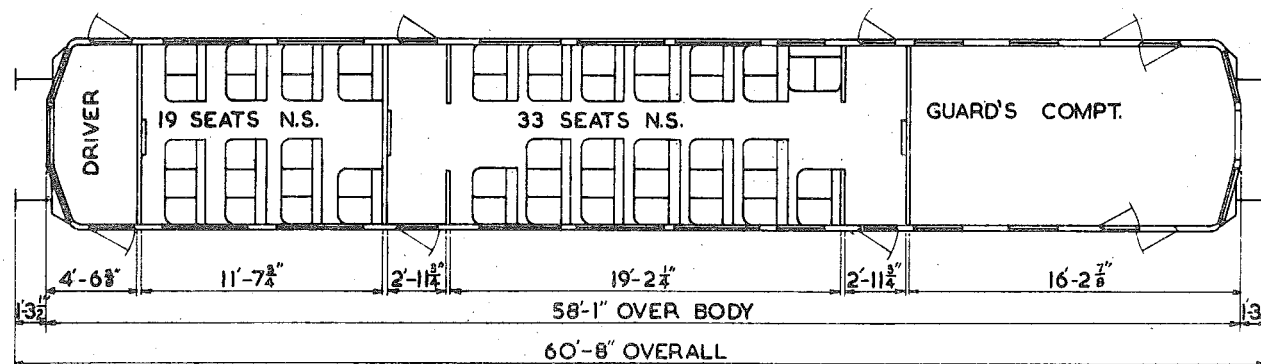
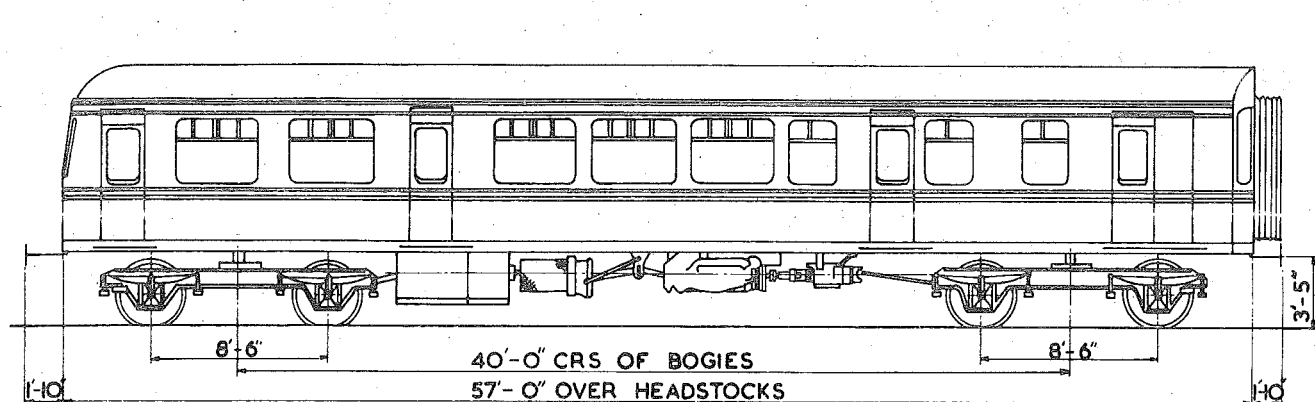
DMM-BUILDER	BR DERBY
ENGINES	2 X 150 HP LEYLAND 6 CYL. HORIZONTAL
TRANSMISSION	MECHANICAL-CARDAN SHAFT & FREEWHEEL/4 SPEED EPICYCLIC GEARBOX/CARDAN SHAFT

BASIC TYPE

DQ 230 1A

VARIANTS

2B REFURBISHED-FLUORESCENT & TUNGSTEN LIGHTING



N.S. - NON SMOKING.

SEATS	52
TOILETS	-
COMPARTMENTS	-
GUARDS COMPARTMENTS	1
VENTILATION	-
CATERING EQUIPMENT	-

ORIGINAL DIAGRAMS FOR REFERENCE.-
BR 543A

ISSUE	DATE
2	MAY '81

DQ 231

BRAKES
BOGIE/SUSPENSION
BODY CONSTRUCTION
COUPLINGS
TRAIN HEATING
MAX. SPEED M.P.H.
MIN. RAD. CURVE CHAINS
LIGHTING
TARE WEIGHT TONNES
GANGWAYS
A.V.S.
MULTIPLE WORKING CODE SYMBOL
BUFFERS

BASIC TYPE

VACUUM
DD? MK 2
STEEL UNDERFRAME & BODY FRAMING-ALUMINIUM BODY & ROOF
SCREW
OIL BURNING AIR HEATER
70
3.5
FLUORESCENT & TUNGSTEN
29.5
BRITISH STANDARD-MIDLAND SCISSORS TYPE
FITTED
BLUE SQUARE
SELF CONTAINED-457 DIA.

ALTERNATIVES

TRACTION DATA FOR MULTIPLE UNITS

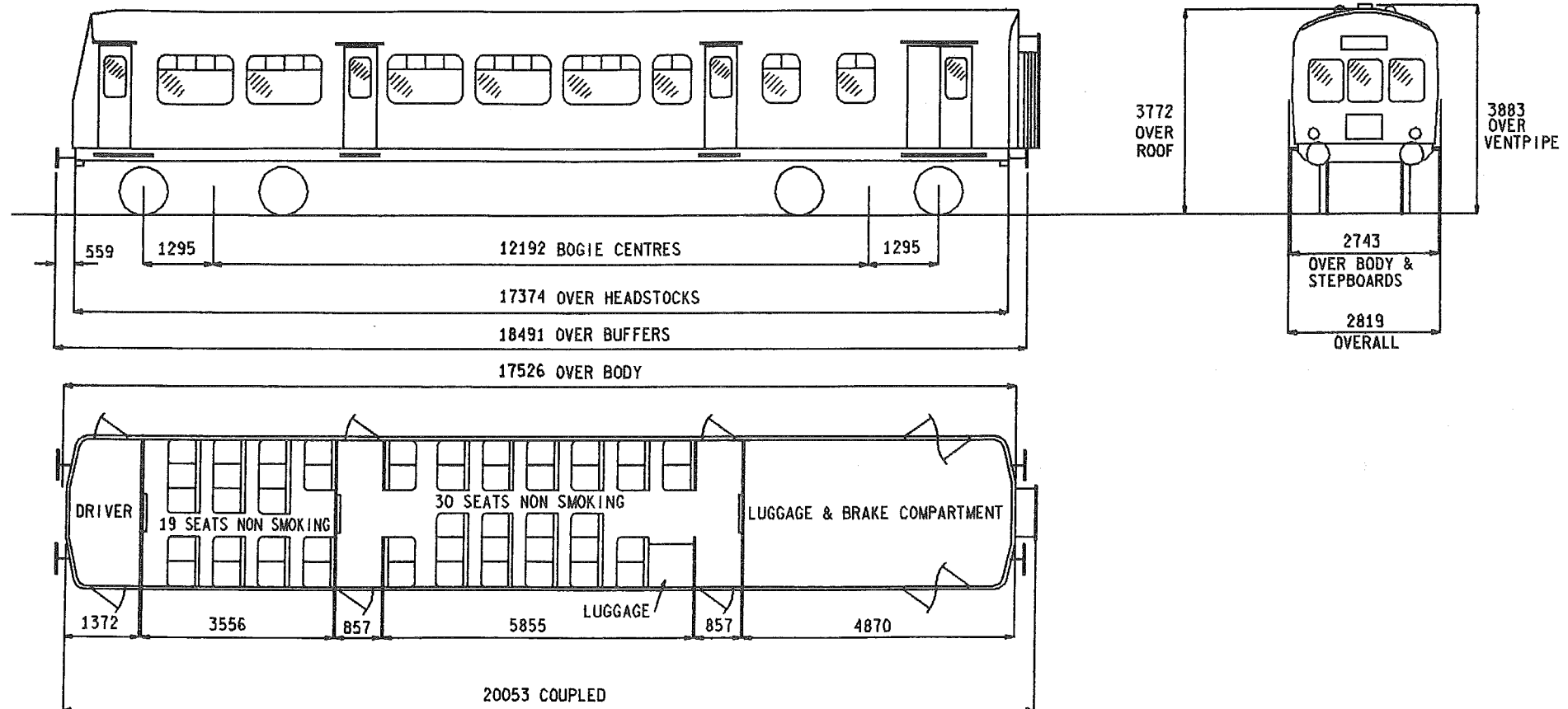
DMM-BUILDER	BR DERBY-LIGHTWEIGHT
ENGINES	2 X 150 HP LEYLAND 6 CYL. HORIZONTAL
TRANSMISSION	MECHANICAL-CARDAN SHAFT & FREEWHEEL/4 SPEED EPICYCLIC GEARBOX/CARDAN SHAFT

BASIC TYPE

DQ 231 0A-REFURBISHED

VARIANTS

NONE



SEATS	49
TOILETS	-
COMPARTMENTS	-
GUARDS COMPARTMENTS	1
VENTILATION	-
CATERING EQUIPMENT	-

ORIGINAL DIAGRAMS FOR REFERENCE:-
BR 523

ISSUE	DATE
1	AUG 88

DQ 232

BRAKES
BOGIE/SUSPENSION
BODY CONSTRUCTION
COUPLINGS
TRAIN HEATING
MAX.SPEED M.P.H.
MIN.RAD.CURVE CHAINS
LIGHTING
TARE WEIGHT TONNES
GANGWAYS
A.W.S.
MULTIPLE WORKING CODE SYMBOL
BUFFERS
ENGINES

BASIC TYPE

VACUUM
DD15 MK 2
STEEL
SCREW
OIL BURNING AIR HEATER
70
3.5
FLUORESCENT & TUNGSTEN
32.5
BRITISH STANDARD-MIDLAND SCISSORS TYPE
FITTED
BLUE SQUARE
SELF CONTAINED-457 DIA.
LEYLAND

ALTERNATIVES

DD15 MK 3

AEC

TRACTION DATA FOR MULTIPLE UNITS

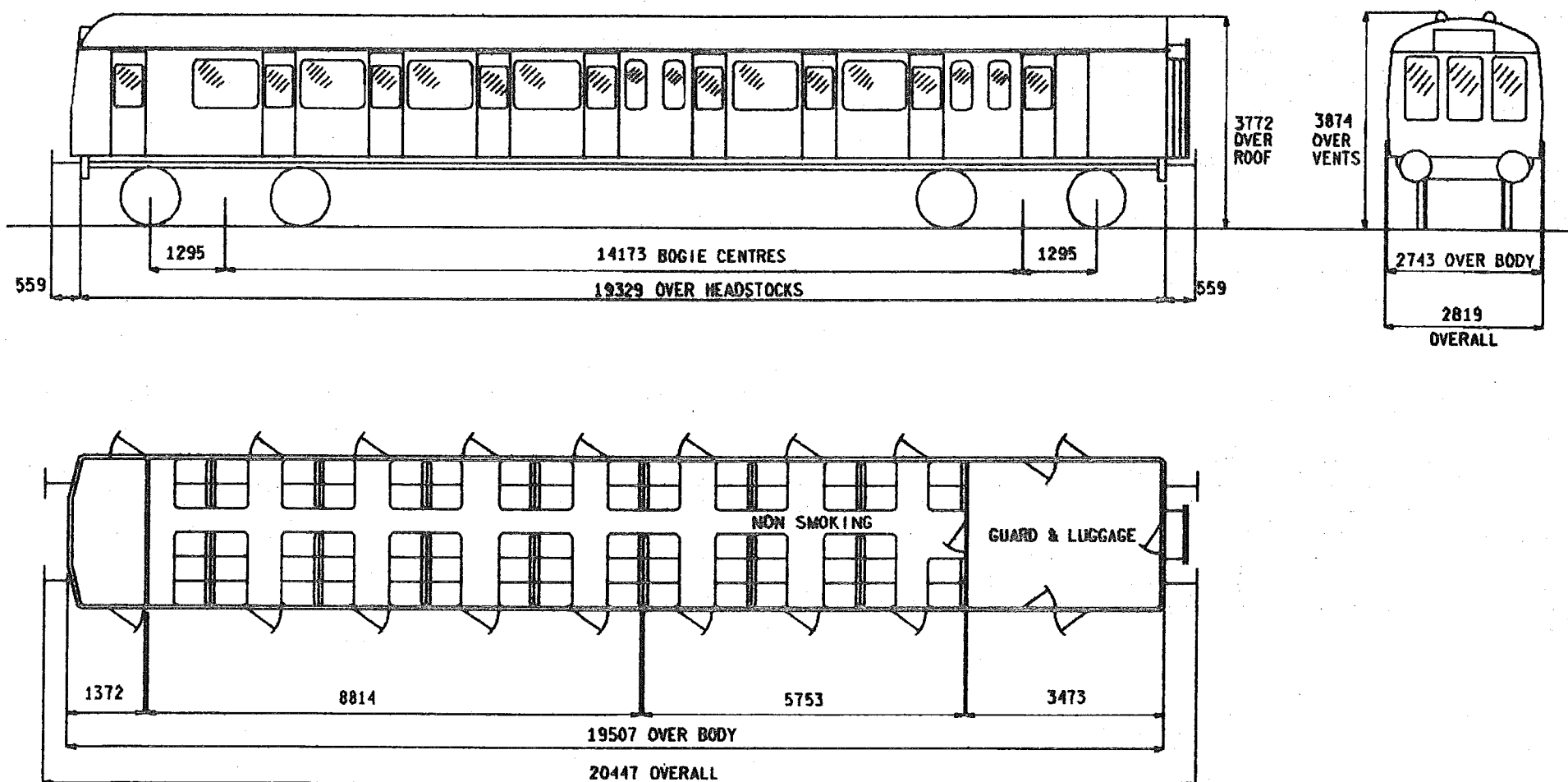
DMU-BUILDER	METROPOLITAN CAMELL
ENGINES	2 X 150 HP LEYLAND OR AEC 6 CYL.HORIZONTAL
TRANSMISSION	MECHANICAL-CARDAN SHAFT & FREEWHEEL/4 SPEED EPICYCLIC GEARBOX/CARDAN SHAFT

BASIC TYPE

DQ 232 OA-REFURBISHED

VARIANTS

OB-REFURBISHED, AEC ENGINES
OC-NOT REFURBISHED, AEC ENGINES



SEATS	74
TOILETS	-
COMPARTMENTS	-
GUARDS COMPARTMENTS	-
VENTILATION	-
CATERING EQUIPMENT	-

ISSUE 1
DATE MAY 88

DQ 233

BRAKES
BOGIE/SUSPENSION
BODY CONSTRUCTION
COUPLINGS
TRAIN HEATING
MAX.SPEED M.P.H.
MIN.RAD.CURVE CHAINS
LIGHTING
TARE WEIGHT TONNES
GANGWAYS
MULTIPLE WORKING CODE SYMBOL
BUFFERS
A.W.S.

BASIC TYPE

VACUUM
DD13 MK 2
STEEL
SCREW
OIL BURNING AIR HEATER
70
3.5
TUNGSTEN
38.5
BRITISH STANDARD-W.R.SUSPENSION TYPE
BLUE SQUARE
SELF CONTAINED-559 DIA.OR 559 OVAL
FITTED

ALTERNATIVES

FLUORESCENT & TUNGSTEN
39

NOT FITTED

TRACTION DATA FOR MULTIPLE UNITS

DMU-BUILDER BR DERBY

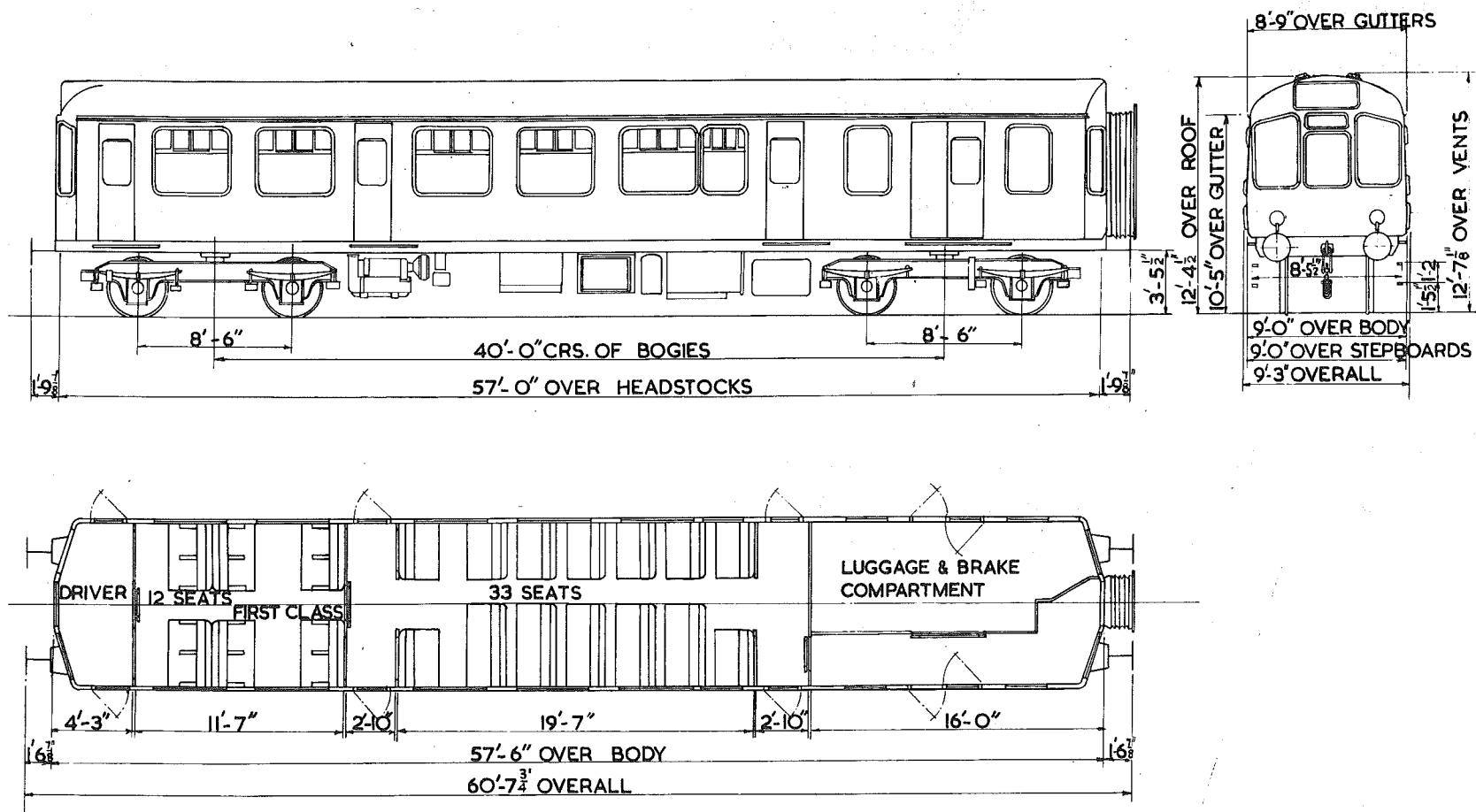
BASIC TYPE

DQ 233 OA

VARIANTS

1B REFURBISHED-FLUORESCENT & TUNGSTEN LIGHTING,TARE 39.

2B REFURBISHED-FLUORESCENT & TUNGSTEN LIGHTING,TARE 39,AWS NOT FITTED.



SEATS	12 FIRST CLASS 33 SECOND CLASS
TOILETS	-
COMPARTMENTS	-
GUARDS COMPARTMENTS	1
VENTILATION	-
CATERING EQUIPMENT	-

ORIGINAL DIAGRAMS FOR REFERENCE:-
BR 564

ISSUE 3
DATE MAR 86

DQ 301

BRAKES
BOGIE/SUSPENSION
BODY CONSTRUCTION
COUPLINGS
TRAIN HEATING
MAX.SPEED M.P.H.
MIN.RAD.CURVE CHAINS
LIGHTING
TARE WEIGHT TONNES
GANGWAYS
A.W.S.
MULTIPLE WORKING CODE SYMBOL
BUFFERS

BASIC TYPE

VACUUM
DD14 MK 3
STEEL
SCREW
OIL BURNING AIR HEATER
70
3.5
FLUORESCENT & TUNGSTEN
32.5
BRITISH STANDARD-MIDLAND SCISSORS TYPE
FITTED
BLUE SQUARE
SELF CONTAINED-457 DIA.

ALTERNATIVES

TRACTION DATA FOR MULTIPLE UNITS

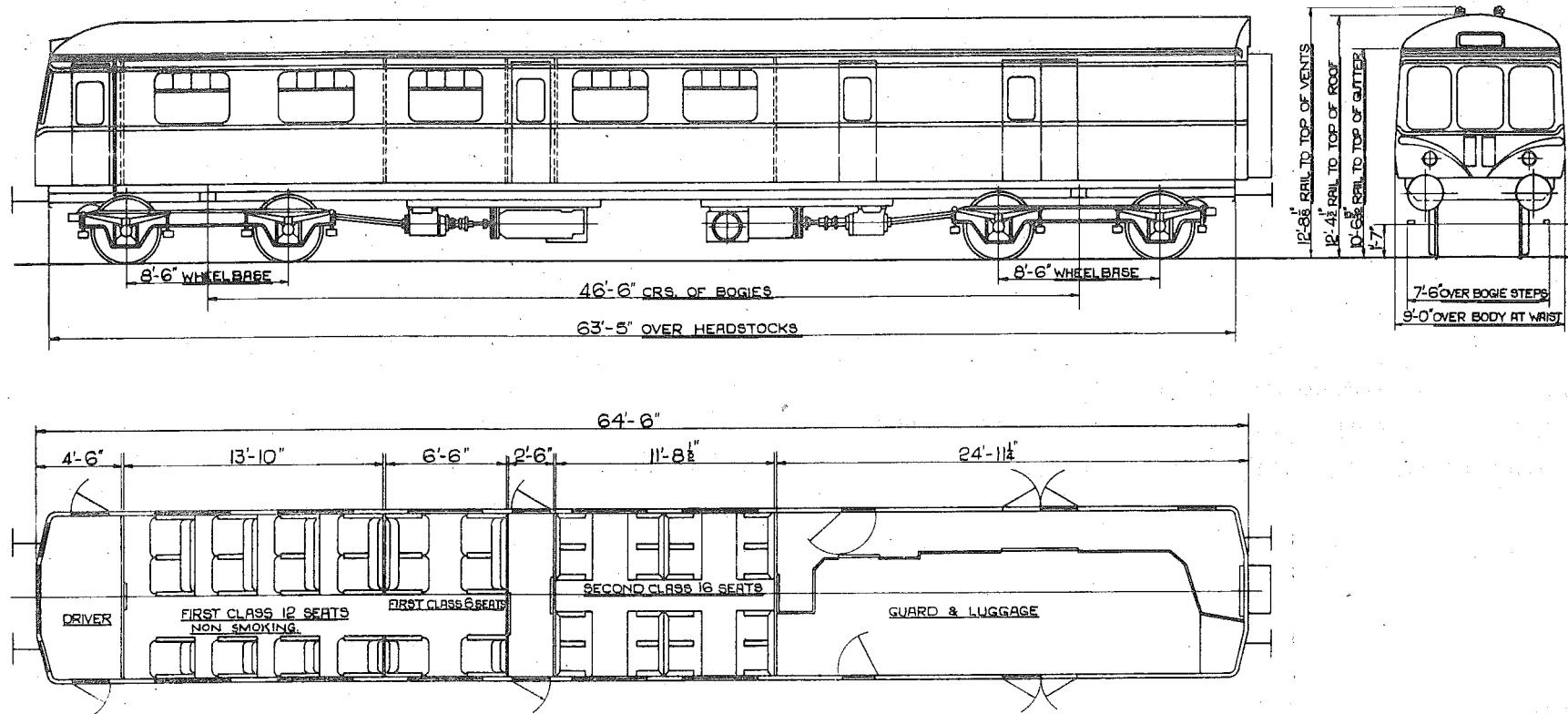
DMMU-BUILDER	BIRMINGHAM RAILWAY CARRIAGE & WAGON CO.LTD.
ENGINES	2 X 180 HP ROLLS ROYCE SERIES 130D 6 CYL.HORIZONTAL
TRANSMISSION	MECHANICAL-CARDAN SHAFT & FREEWHEEL/4 SPEED EPICYCLIC GEARBOX/CARDAN SHAFT

BASIC TYPE

DQ 301 1B-REFURBISHED

VARIANTS

NONE



SEATS	10 FIRST CLASS 16 SECOND CLASS
TOILETS	-
COMPARTMENTS	-
GUARDS COMPARTMENTS	1
VENTILATION	-
CATERING EQUIPMENT	-

ORIGINAL DIAGRAMS FOR REFERENCE.-
BR 540

ISSUE 2 DATE MAY '81

DQ 302

BRAKES
BOGIE/SUSPENSION
BODY CONSTRUCTION
COUPLINGS
TRAIN HEATING
MAX.SPEED M.P.H.
MIN.RAD.CURVE CHAINS
LIGHTING
TARE WEIGHT TONNES
GANGWAYS
A.V.S.
MULTIPLE WORKING CODE SYMBOL
BUFFERS
ENGINES

BASIC TYPE

VACUUM
DD10 MK 5 & MK 6 (ONE OF EACH)
STEEL
SCREW
OIL BURNING AIR HEATER
70
3.5
TUNGSTEN
37.5
BRITISH STANDARD-MIDLAND SCISSORS TYPE
FITTED
BLUE SQUARE
SELF CONTAINED-559 DIA.OR 559 OVAL
AEC

ALTERNATIVES

LEYLAND

TRACTION DATA FOR MULTIPLE UNITS

DMMU-BUILDER	GLOUCESTER RAILWAY CARRIAGE & WAGON CO.LTD.
ENGINES	2 X 150 HP AEC 6 CYL.HORIZONTAL OR 2 X 150 HP LEYLAND 6 CYL.HORIZONTAL-SEE VARIANTS
TRANSMISSION	MECHANICAL-CARDAN SHAFT & FREEWHEEL/4 SPEED EPICYCLIC GEARBOX/CARDAN SHAFT

BASIC TYPE

DQ 302 0A

VARIANTS

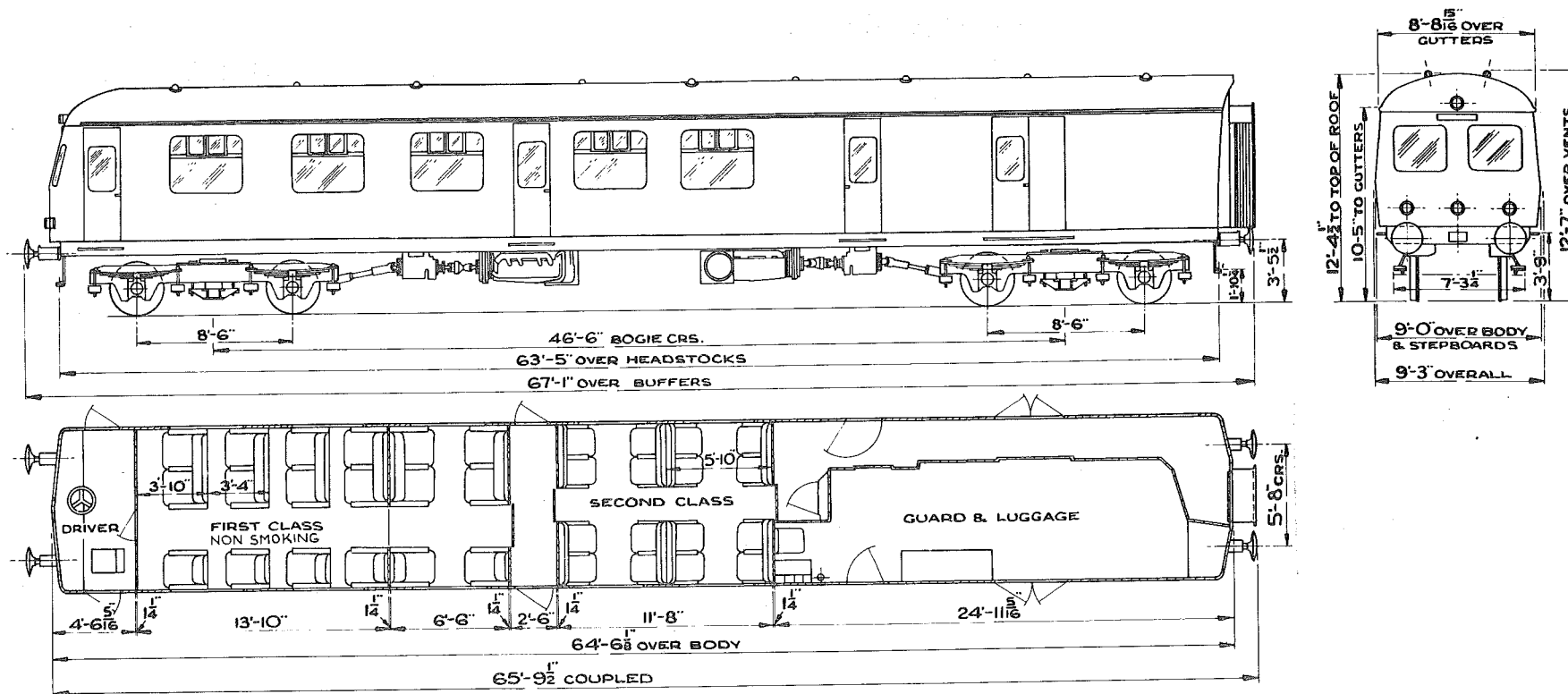
0B LEYLAND ENGINES.

DRIVING MOTOR BRAKE COMPOSITE

CLASS 120

DMBC

DQ 303



SEATS	18 FIRST CLASS 16 SECOND CLASS
TOILETS	-
COMPARTMENTS	-
GUARDS COMPARTMENTS	1
VENTILATION	-
CATERING EQUIPMENT	-

ORIGINAL DIAGRAMS FOR REFERENCE.-
BR 587

ISSUE 1 DATE SEP' 80

DQ 303

BASIC TYPE

BRAKES
BOGIE/SUSPENSION
BODY CONSTRUCTION
COUPLINGS
TRAIN HEATING
MAX. SPEED M.P.H.
MIN. RAD. CURVE CHAINS
LIGHTING
TARE WEIGHT TONNES
GANGWAYS
A.V.S.
MULTIPLE WORKING CODE SYMBOL
BUFFERS

VACUUM
DD1 MK 1 & MK 2 (ONE OF EACH)
STEEL
SCREW
OIL BURNING AIR HEATER
70
3.5
ELECTRIC
36.5
BRITISH STANDARD-W.R.SUSPENSION TYPE
FITTED
BLUE SQUARE
SELF CONTAINED-559 OVAL

ALTERNATIVES

FLUORESCENT & TUNGSTEN

TRACTION DATA FOR MULTIPLE UNITS

DMU-BUILDER BR SWINDON

ENGINES 2 X 150 HP AEC 6 CYL. HORIZONTAL

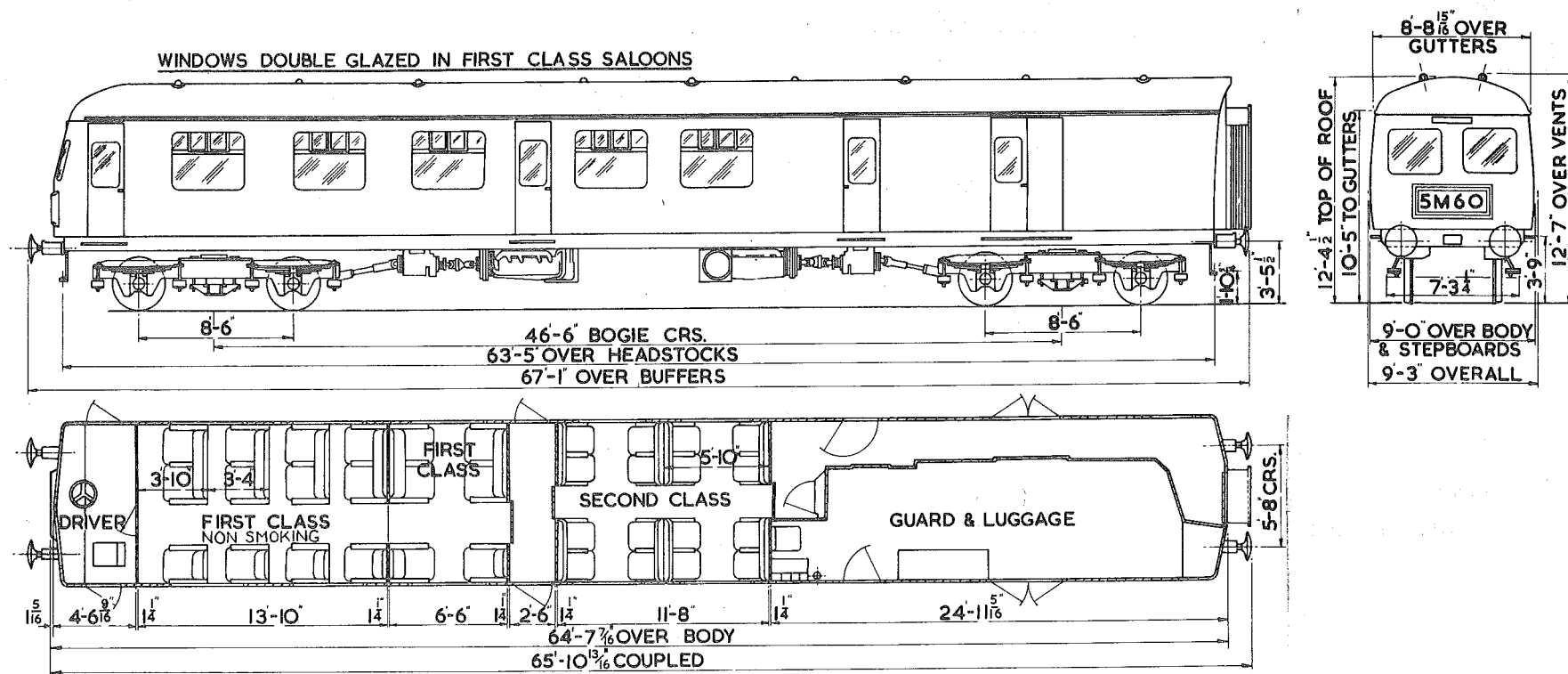
TRANSMISSION MECHANICAL-CARDAN SHAFT & FREEWHEEL/4 SPEED EPICYCLIC GEARBOX/CARDAN SHAFT

BASIC TYPE

DQ 303 0A

VARIANTS

1B REFURBISHED-FLUORESCENT & TUNGSTEN LIGHTING.



SEATS	10 FIRST CLASS 16 SECOND CLASS
TOILETS	-
COMPARTMENTS	-
GUARDS COMPARTMENTS	1
VENTILATION	-
CATERING EQUIPMENT	-

ORIGINAL DIAGRAMS FOR REFERENCE.-
BR 636

ISSUE	DATE
1	SEP' 80

DQ 304

BRAKES
BOGIE/SUSPENSION
BODY CONSTRUCTION
COUPLINGS
TRAIN HEATING
MAX.SPEED M.P.H.
MIN.RAD.CURVE CHAINS
LIGHTING
TARE WEIGHT TONNES
GANGWAYS
A.V.S.
MULTIPLE WORKING CODE SYMBOL
BUFFERS

BASIC TYPE

VACUUM
DD2 MK 1 & MK 2 (ONE OF EACH)
STEEL
SCREW
OIL BURNING AIR HEATER
70
3.5
ELECTRIC
37.5
BRITISH STANDARD-V.R.SUSPENSION TYPE
FITTED
BLUE SQUARE
SELF CONTAINED-559 OVAL

ALTERNATIVES

TRACTION DATA FOR MULTIPLE UNITS

DMU-BUILDER	BR SWINDON
ENGINES	2 X 150 HP AEC 6 CYL.HORIZONTAL
TRANSMISSION	MECHANICAL-CARDAN SHAFT & FREEWHEEL/4 SPEED EPICYCLIC GEARBOX/CARDAN SHAFT

BASIC TYPE

DQ 304 0A

VARIANTS

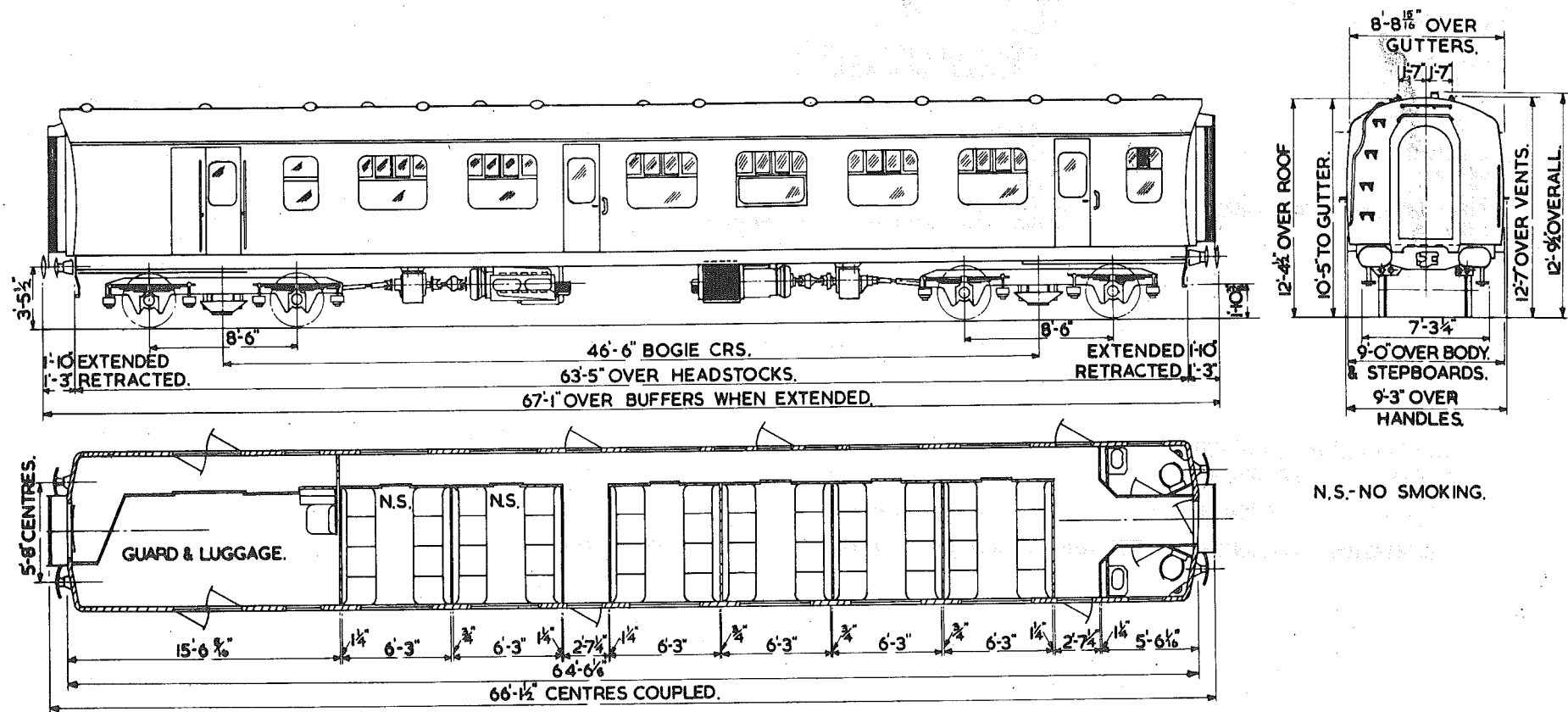
NONE

MOTOR BRAKE SECOND

CLASS 124

MBS

DR 201



N.S. - NO SMOKING.

SEATS	48
TOILETS	2
COMPARTMENTS	6
GUARDS COMPARTMENTS	1
VENTILATION	-
CATERING EQUIPMENT	-

ORIGINAL DIAGRAMS FOR REFERENCE.-
BR 579

ISSUE 1 DATE SEP' 80

DR 201

BASIC TYPE

ALTERNATIVES

BRAKES
BOGIE/SUSPENSION
BODY CONSTRUCTION
COUPLINGS
TRAIN HEATING
MAX.SPEED M.P.H.
MIN.RAD.CURVE CHAINS
LIGHTING
TARE WEIGHT TONNES
GANGWAYS
A.V.S.
MULTIPLE WORKING CODE SYMBOL
BUFFERS

VACUUM
DD3
STEEL
AUTOMATIC DROPHEAD (BUCKEYE)
OIL BURNING AIR HEATER
70
3.5
ELECTRIC
41.5
PULLMAN
FITTED
BLUE SQUARE
RETRACTABLE SPINDLE-559 X 356 OVAL

TRACTION DATA FOR MULTIPLE UNITS

DMMU-BUILDER	BR SWINDON
ENGINES	2 X 230 HP LEYLAND ALBION 6 CYL.HORIZONTAL
TRANSMISSION	MECHANICAL-CARDAN SHAFT & FREEWHEEL/4 SPEED EPICYCLIC GEARBOX/CARDAN SHAFT

BASIC TYPE

DR 201 0A

VARIANTS

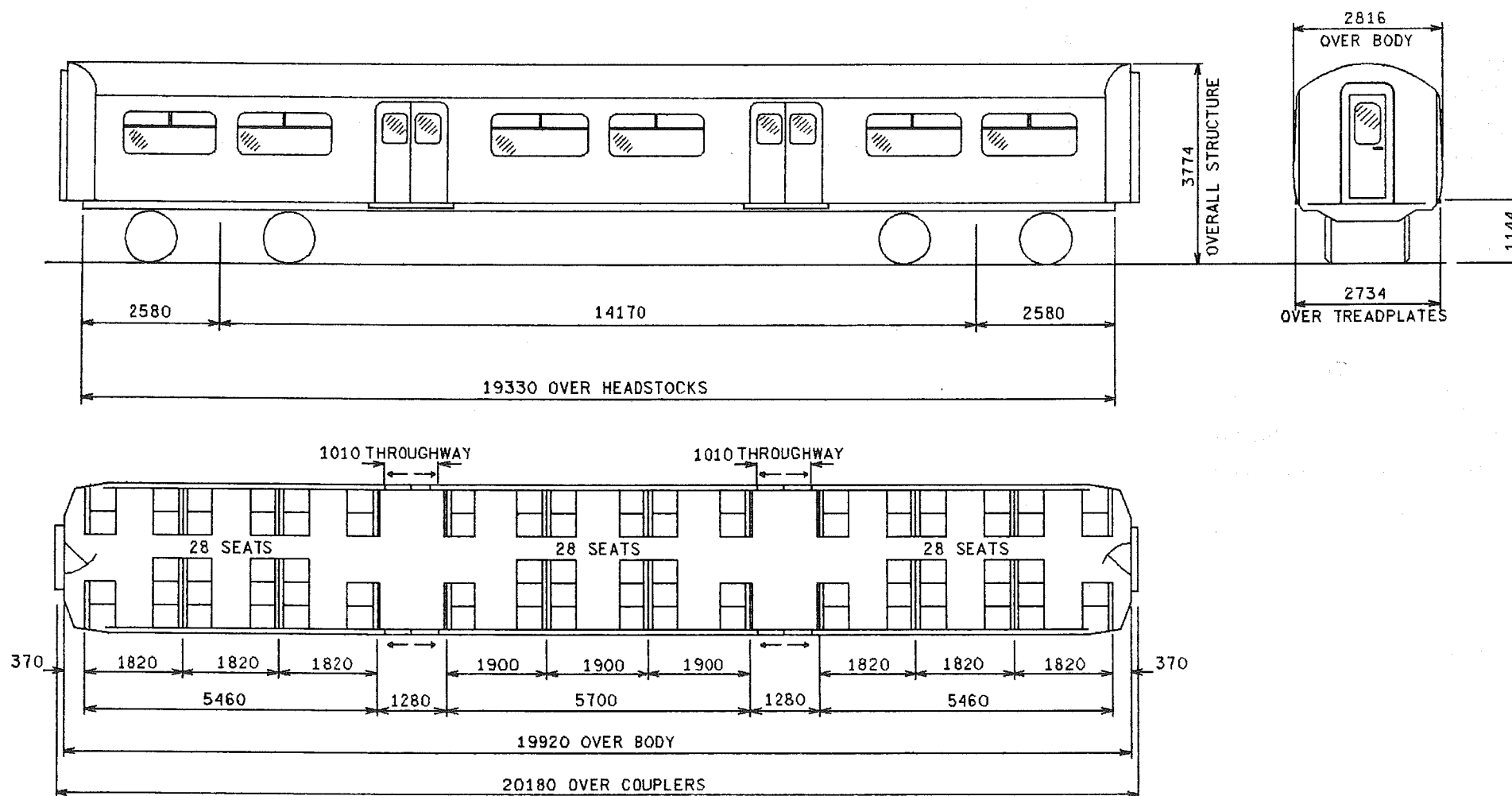
NONE

MOTOR SECOND

CLASS 150

MS

DR 202



SEATS	84
TOILETS	-
COMPARTMENTS	-
GUARDS COMPARTMENTS	-
VENTILATION	-
CATERING EQUIPMENT	-

ISSUE	DATE
2	OCT 84

DR 202

BRAKES
BOGIE/SUSPENSION
BODY CONSTRUCTION
COUPLINGS
TRAIN HEATING
MAX SPEED M.P.H.
MIN.RAD.CURVE CHAINS
LIGHTING
TARE WEIGHT TONNES
GANGWAYS
TRAIN COMMUNICATION
BUFFERS

BASIC TYPE

AIR
BX8Tb & BX8Pb (1 OF EACH)
STEEL
BAR
ENGINE WASTE HEAT
75
3.5
FLUORESCENT
34.4
FLEXIBLE DIAPHRAGM/RIGID(GRP)
PUBLIC ADDRESS
NOT FITTED

ALTERNATIVES

TRACTION DATA FOR MULTIPLE UNITS

DMU-BUILDER	BREL YORK
ENGINES	CUMMINS NT855-R4
TRANSMISSION	VOITH/GEMEINDER

BASIC TYPE

DR 202 0A

VARIANTS

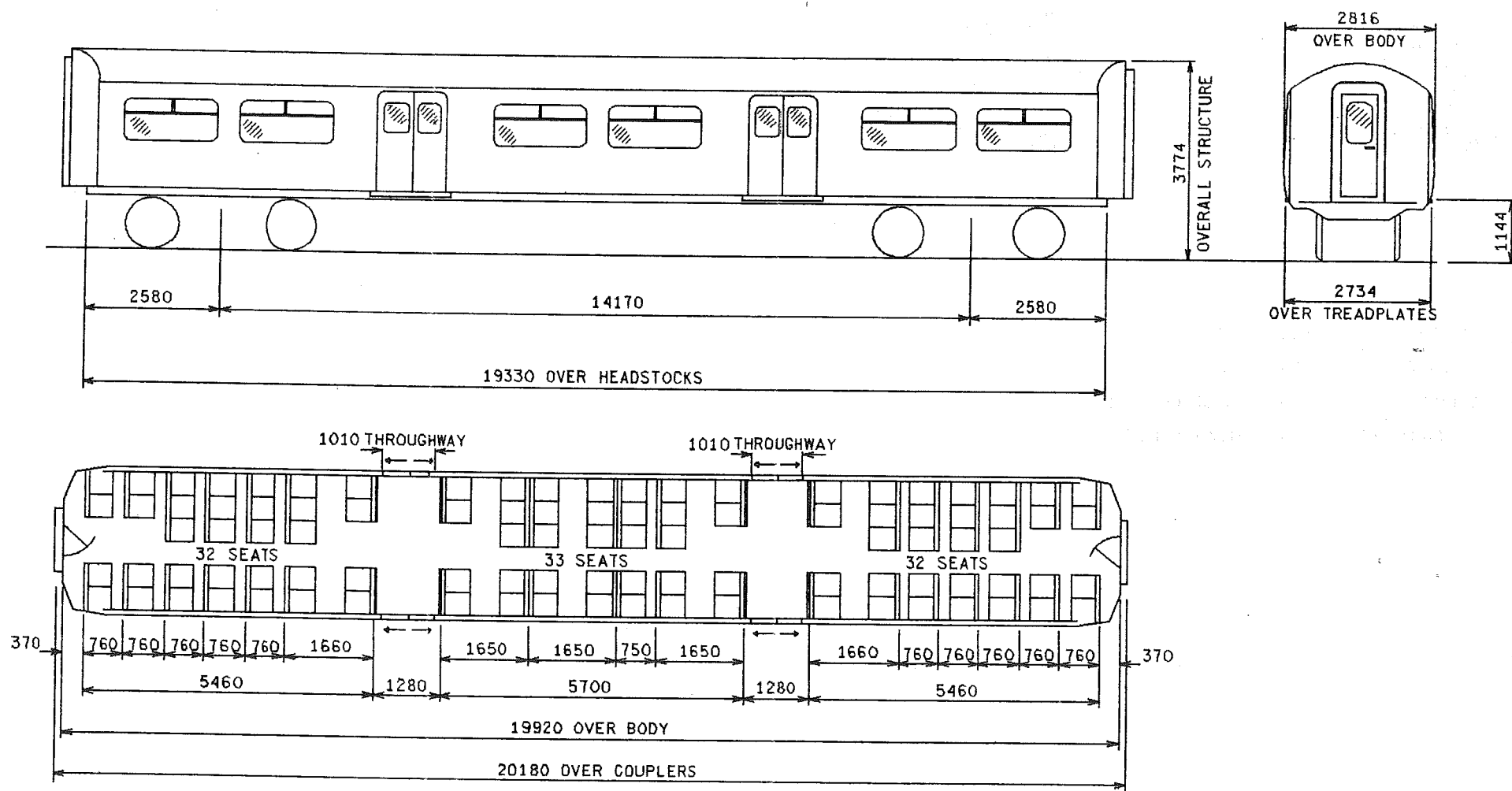
NONE

MOTOR SECOND

CLASS 150

MS

DR 203



SEATS	97
TOILETS	-
COMPARTMENTS	-
GUARDS COMPARTMENTS	-
VENTILATION	-
CATERING EQUIPMENT	-

ISSUE	DATE
2	OCT 84

DR 203

BRAKES
BOGIE/SUSPENSION
BODY CONSTRUCTION
COUPLINGS
TRAIN HEATING
MAX SPEED M.P.H.
MIN.RAD.CURVE CHAINS
LIGHTING
TARE WEIGHT TONNES
GANGWAYS
TRAIN COMMUNICATION
BUFFERS

BASIC TYPE

AIR
BX8Td & BX8Pd (1 OF EACH)
STEEL
BAR
ENGINE WASTE HEAT
75
3.5
FLUORESCENT
34.4
FLEXIBLE DIAPHRAGM/RIGID(GRP)
PUBLIC ADDRESS
NOT FITTED

ALTERNATIVES

TRACTION DATA FOR MULTIPLE UNITS

DMMU-BUILDER	BREL YORK
ENGINES	ROLLS ROYCE C6 305R
TRANSMISSION	SELF CHANGING GEARS

BASIC TYPE

DR 203 0A

VARIANTS

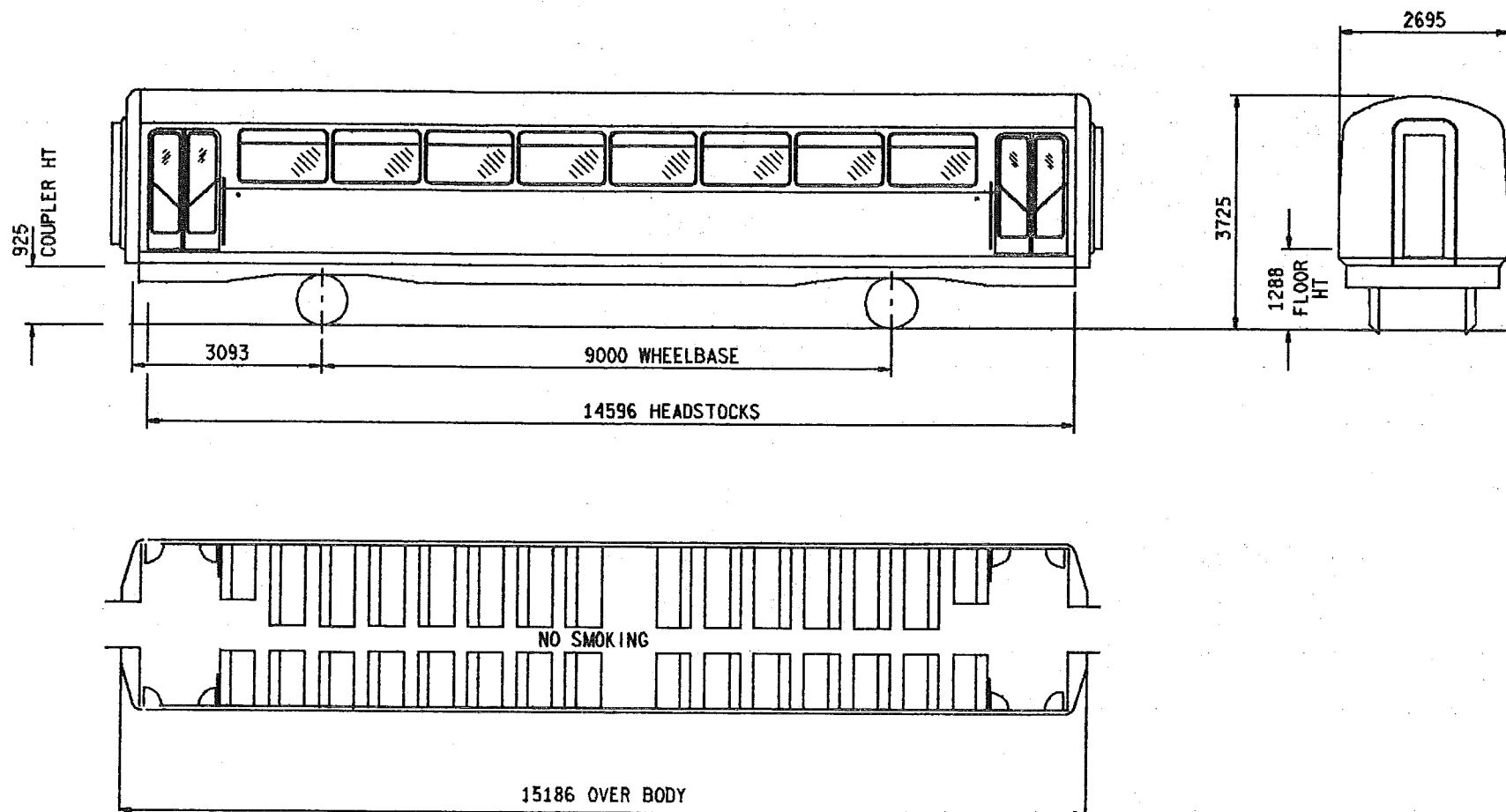
NONE

MOTOR STANDARD

CLASS 144

MS

DR 205



SEATS	73
TOILETS	-
COMPARTMENTS	-
GUARDS COMPARTMENTS	-
VENTILATION	-
CATERING EQUIPMENT	-

ISSUE
1
DATE
DEC '87

DR 205

BRAKES
BOGIE/SUSPENSION
BODY CONSTRUCTION
COUPLINGS
TRAIN HEATING
MAX.SPEED M.P.H.
MIN.RAD.CURVE CHAINS
LIGHTING
TARE WEIGHT TONNES
GANGWAYS
A.W.S.
MULTIPLE WORKING CODE SYMBOL
BUFFERS

BASIC TYPE

AIR
Ax1
STEEL/ALUMINIUM
BAR
ENGINE WASTE HEAT - DUCTED WARM AIR
75
3.5
FLOURESCENT
23.5 tonnes
FLEXIBLE DIAPHRAM / RIGID (GRP)
FITTED
NOT FITTED
NOT FITTED

ALTERNATIVES

TRACTION DATA FOR MULTIPLE UNITS

DAMU-BUILDER

ENGINES

TRANSMISSION

WALTER ALEXANDER / BREL

LEYLAND TL11

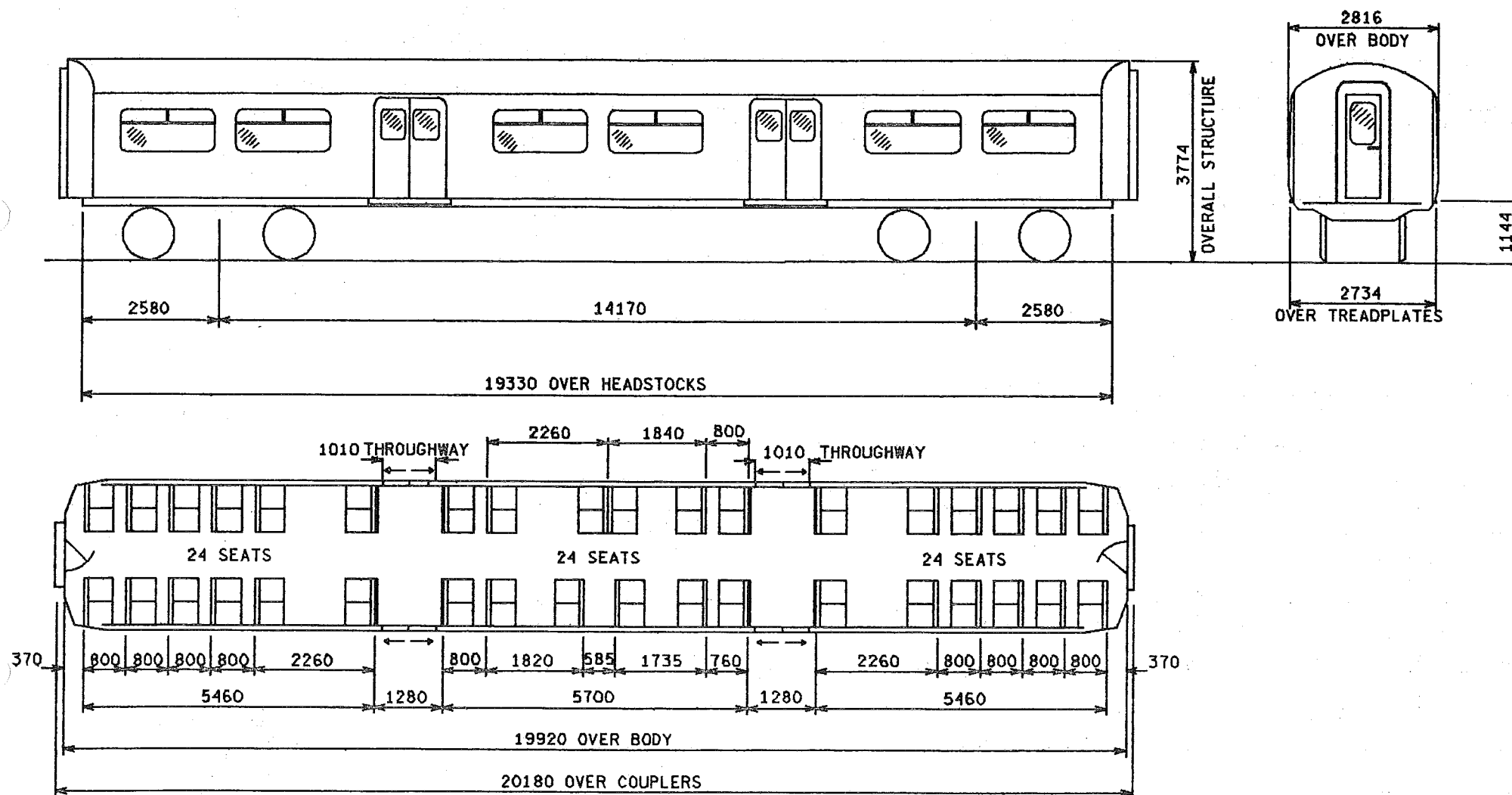
MECHANICAL -CARDAN SHAFT & FREEWHEEL / 4 SPEED EPICYCLIC REVERSABLE AUTOMATIC GEARBOX / CARDAN SHAFT

BASIC TYPE

DR 205 OA

VARIANTS

NONE



SEATS	72
TOILETS	-
COMPARTMENTS	-
GUARDS COMPARTMENTS	-
VENTILATION	-
CATERING EQUIPMENT	-

ISSUE DATE
1 OCT 87

DR 206

BRAKES
BOGIE/SUSPENSION
BODY CONSTRUCTION
COUPLINGS
TRAIN HEATING
MAX SPEED M.P.H.
MIN.RAD.CURVE CHAINS
LIGHTING
TARE WEIGHT TONNES
GANGWAYS
TRAIN COMMUNICATION
BUFFERS

BASIC TYPE

AIR
BX8Td & BX8Pf (1 OF EACH)
STEEL
BAR
VAPOUR WATER HEATER
90
3.5
FLUORESCENT
36.5
FLEXIBLE DIAPHRAGM/RIGID(GRP)
PUBLIC ADDRESS
NOT FITTED

ALTERNATIVES

TRACTION DATA FOR MULTIPLE UNITS

DMMU-BUILDER	BREL YORK, CONVERTED EDU DERBY 1987.
ENGINES	PERKINS 2006 TW-H
TRANSMISSION	VOITH/GEMEINDER

BASIC TYPE

DR 206 0A

VARIANTS

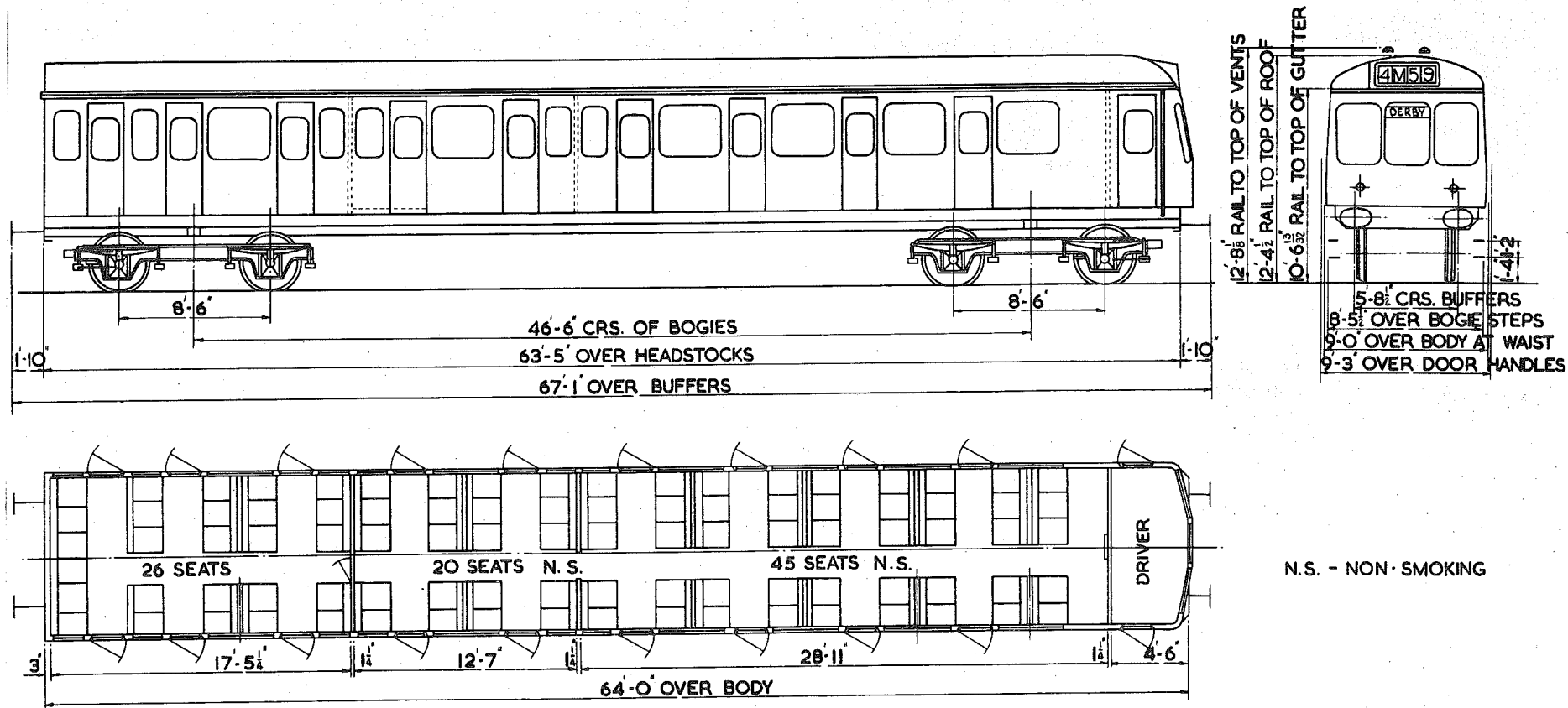
NONE

DRIVING TRAILER SECOND

CLASS 121

DTS

DS 201



N.S. - NON-SMOKING

SEATS	91
TOILETS	-
COMPARTMENTS	-
GUARDS COMPARTMENTS	-
VENTILATION	-
CATERING EQUIPMENT	-

ORIGINAL DIAGRAMS FOR REFERENCE:-
BR 513

ISSUE 3
DATE DEC 85

DS 201

BRAKES
BOGIE/SUSPENSION
BODY CONSTRUCTION
COUPLINGS
TRAIN HEATING
MAX.SPEED M.P.H.
MIN.RAD.CURVE CHAINS
LIGHTING
TARE WEIGHT TONNES
GANGWAYS
A.W.S.
MULTIPLE WORKING CODE SYMBOL
BUFFERS
TRAIN COMMUNICATION

BASIC TYPE

VACUUM
DT9 MK 4 & MK 5(ONE OF EACH)
STEEL
SCREW
OIL BURNING AIR HEATER
70
3.5
FLUORESCENT & TUNGSTEN
30
NOT FITTED
NOT FITTED
BLUE SQUARE
SELF CONTAINED-559 DIA.OR 559 OVAL
DRIVER/GUARD

ALTERNATIVES

TRACTION DATA FOR MULTIPLE UNITS

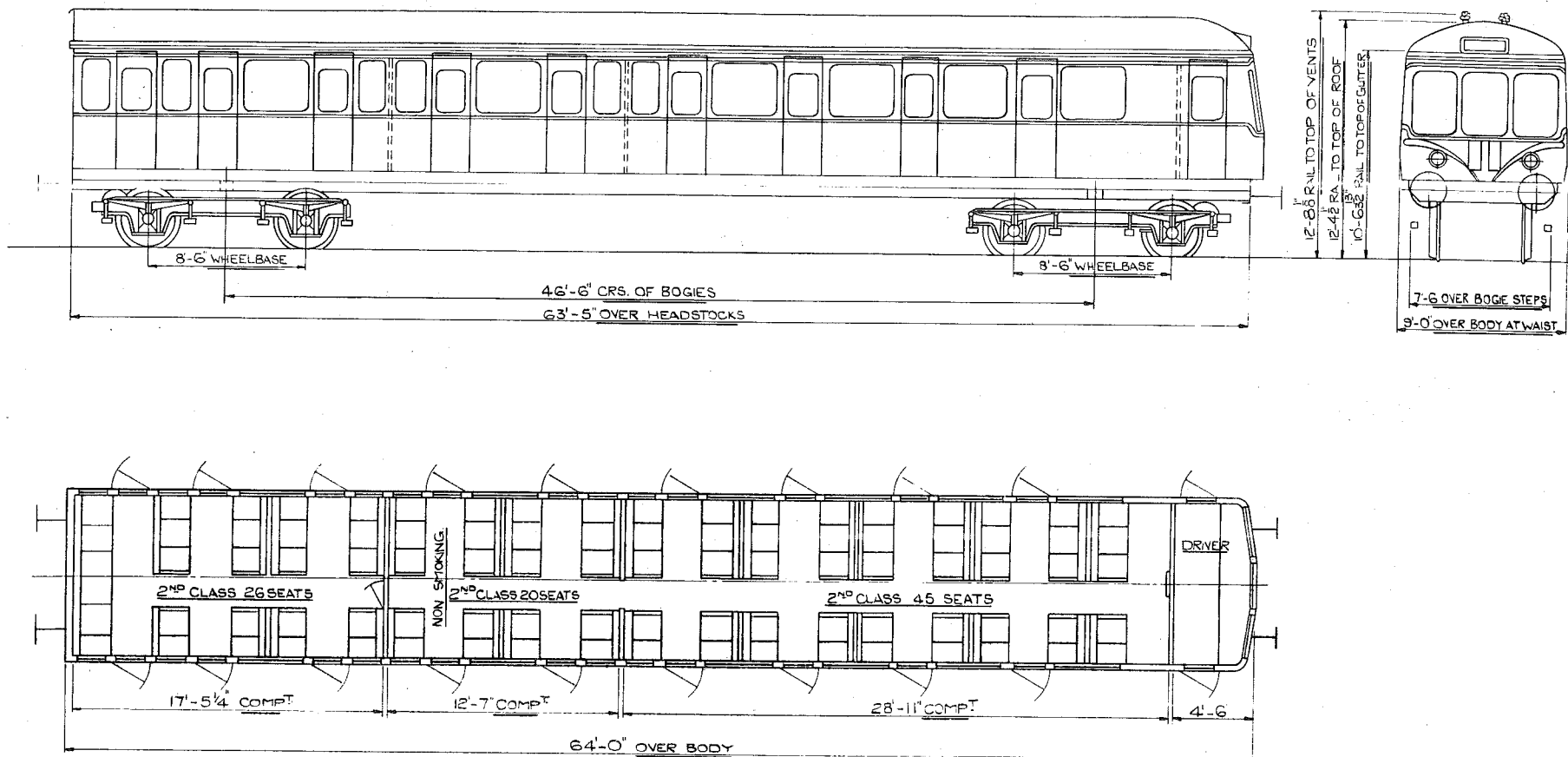
DMMU-BUILDER PRESSED STEEL

BASIC TYPE

DS 201 1B-REFURBISHED

VARIANTS

NONE



SEATS 91
 TOILETS -
 COMPARTMENTS -
 GUARDS COMPARTMENTS -
 VENTILATION -
 CATERING EQUIPMENT -

ORIGINAL DIAGRAMS FOR REFERENCE.-
 BR 538

ISSUE 2
 DATE MAY '81

DS 202

BASIC TYPE

ALTERNATIVES

BRAKES
BOGIE/SUSPENSION
BODY CONSTRUCTION
COUPLINGS
TRAIN HEATING
MAX. SPEED M.P.H.
MIN. RAD. CURVE CHAINS
LIGHTING
TARE WEIGHT TONNES
GANGWAYS
A.V.S.
MULTIPLE WORKING CODE SYMBOL
BUFFERS

VACUUM
DT96 MK 1 & MK 3 (ONE OF EACH)
STEEL
SCREW
OIL BURNING AIR HEATER
70
3.5
TUNGSTEN
27.5
NOT FITTED
NOT FITTED
BLUE SQUARE
SELF CONTAINED-559 DIA. OR 559 OVAL

TRACTION DATA FOR MULTIPLE UNITS

DMMU-BUILDER GLOUCESTER RAILWAY CARRIAGE & WAGON CO. LTD.

BASIC TYPE

DS 202 0A

VARIANTS

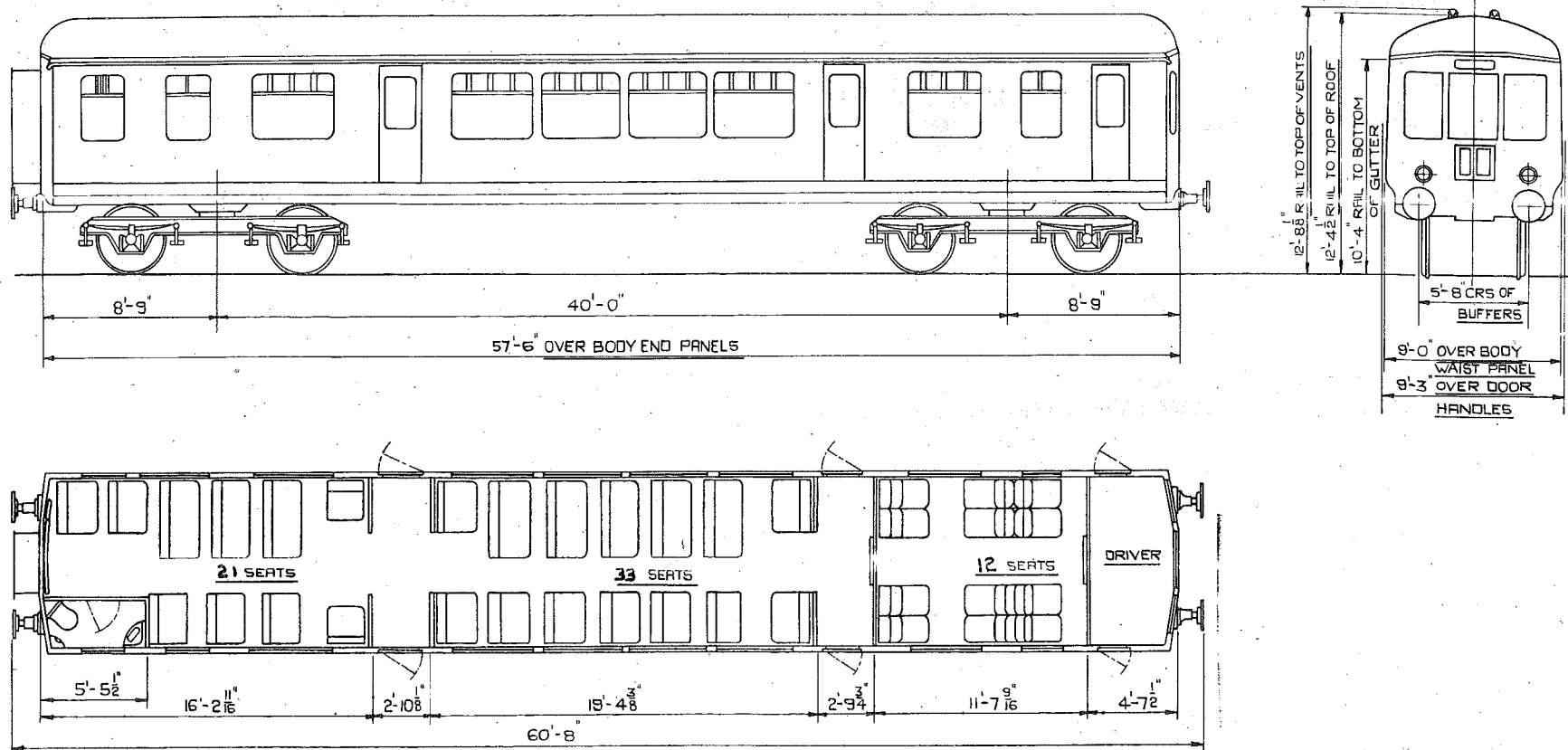
NONE

DRIVING TRAILER SECOND

CLASS 100

DTS

DS 203



SEATS 66
TOILETS 1
COMPARTMENTS -
GUARDS COMPARTMENTS -
VENTILATION -
CATERING EQUIPMENT -

ORIGINAL DIAGRAMS FOR REFERENCE...
BR 537

ISSUE 2 DATE MAY '81

DS 203

BRAKES
BOGIE/SUSPENSION
BODY CONSTRUCTION
COUPLINGS
TRAIN HEATING
MAX. SPEED M.P.H.
MIN. RAD. CURVE CHAINS
LIGHTING
TARE WEIGHT TONNES
GANGWAYS
A.V.S.
MULTIPLE WORKING CODE SYMBOL
BUFFERS

BASIC TYPE

VACUUM
D10 MK 1 & MK 2 (ONE OF EACH)
STEEL
SCREW
OIL BURNING AIR HEATER
70
3.5
TUNGSTEN
25.5
BRITISH STANDARD-MIDLAND SCISSORS TYPE
NOT FITTED
BLUE SQUARE
SELF CONTAINED-457 DIA.

ALTERNATIVES

FITTED

TRACTION DATA FOR MULTIPLE UNITS

DMMU-BUILDER GLOUCESTER RAILWAY CARRIAGE & WAGON CO.LTD.

BASIC TYPE

DS 203 0A

VARIANTS

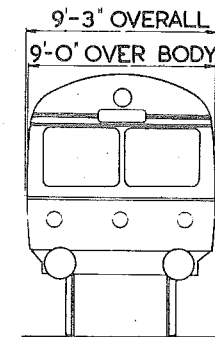
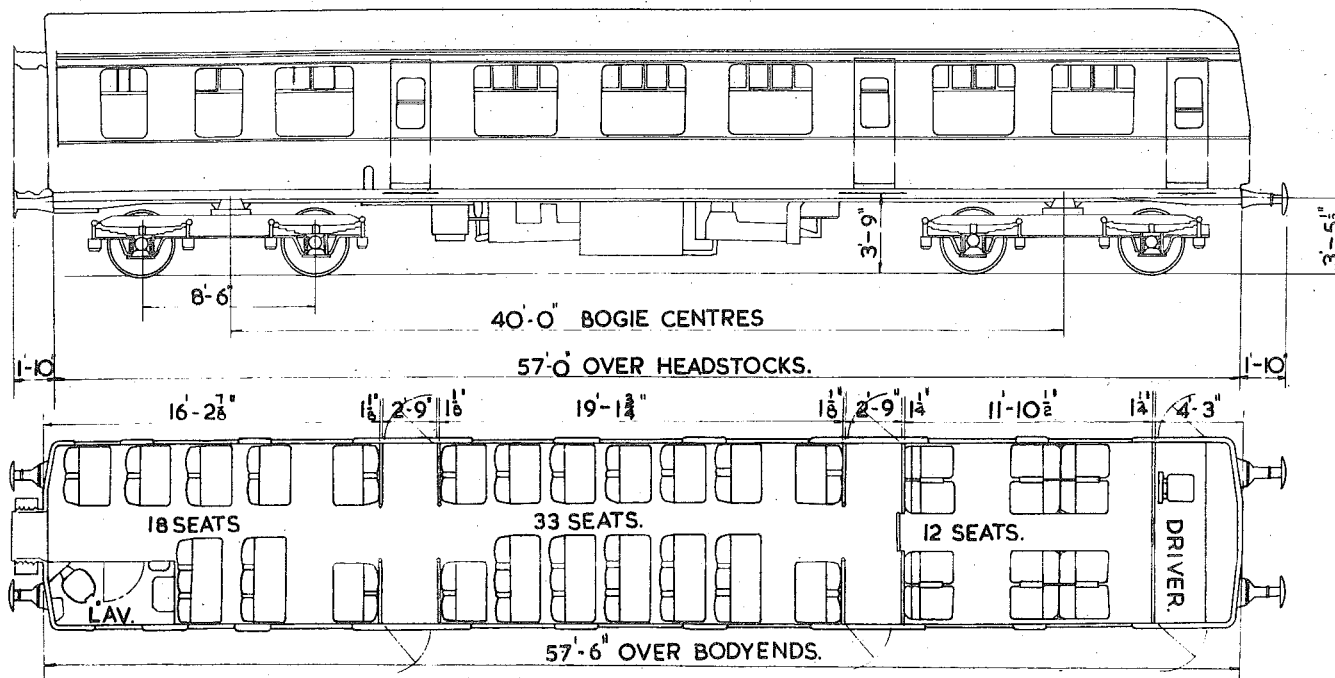
1A A.V.S.FITTED.

DRIVING TRAILER SECOND

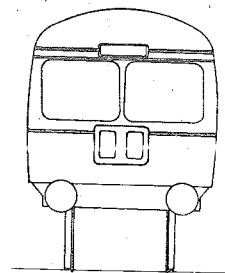
CLASS 105

DTS

DS 204



END VIEW FOR
REMAINING CAR Nos.
ON THIS DRAWING.



END VIEW FOR
E56125 - E56129
M56145 - M56149

SEATS	63
TOILETS	1
COMPARTMENTS	-
GUARDS COMPARTMENTS	-
VENTILATION	-
CATERING EQUIPMENT	-

ORIGINAL DIAGRAMS FOR REFERENCE.--
BR 526

ISSUE 2 DATE MAY '81

DS 204

BASIC TYPE

ALTERNATIVES

BRAKES
BOGIE/SUSPENSION
BODY CONSTRUCTION
COUPLINGS
TRAIN HEATING
MAX. SPEED M.P.H.
MIN. RAD. CURVE CHAINS
LIGHTING
TARE WEIGHT TONNES
GANGWAYS
A.V.S.
MULTIPLE WORKING CODE SYMBOL
BUFFERS

VACUUM
DT8 MK 6 & MK 7 (ONE OF EACH)
STEEL
SCREW
OIL BURNING AIR HEATER
70
3.5
TUNGSTEN
23.5
BRITISH STANDARD-MIDLAND SCISSORS TYPE
NOT FITTED
BLUE SQUARE
SELF CONTAINED-457 DIA.

FITTED

TRACTION DATA FOR MULTIPLE UNITS

DMMU-BUILDER CRAVENS

BASIC TYPE

DS 204 0A

VARIANTS

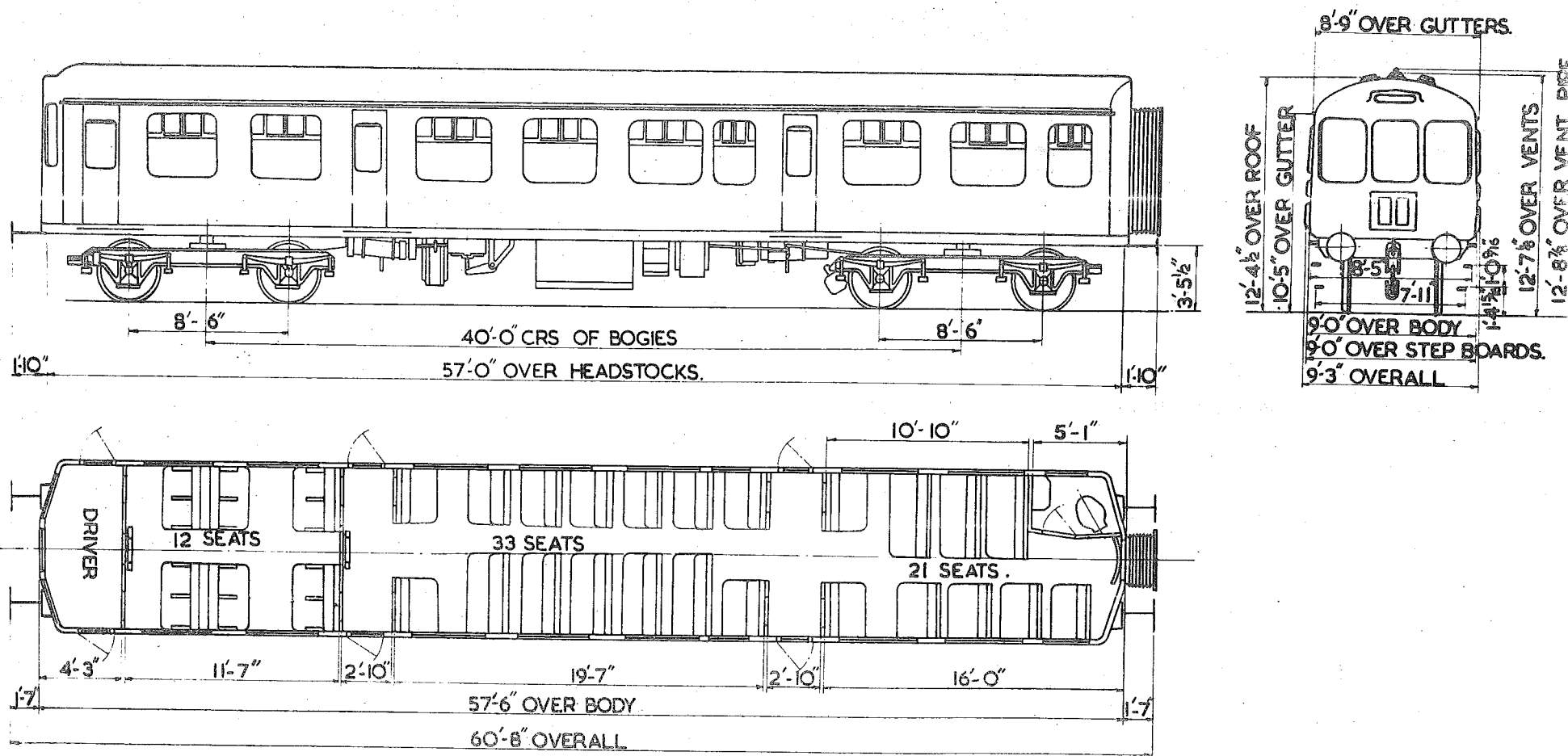
1A A.V.S. FITTED.

DRIVING TRAILER SECOND

CLASS 104

DTS

DS 205



SEATS	66
TOILETS	1
COMPARTMENTS	1
GUARDS COMPARTMENTS	1
VENTILATION	1
CATERING EQUIPMENT	1

ORIGINAL DIAGRAMS FOR REFERENCE.-
BR 585

ISSUE 2
DATE MAY '81

DS 205

BRAKES
BOGIE/SUSPENSION
BODY CONSTRUCTION
COUPLINGS
TRAIN HEATING
MAX. SPEED M.P.H.
MIN. RAD. CURVE CHAINS
LIGHTING
TARE WEIGHT TONNES
GANGWAYS
A.W.S.
MULTIPLE WORKING CODE SYMBOL
BUFFERS

BASIC TYPE

VACUUM
DT10 MK 1 & MK 2 (ONE OF EACH)
STEEL
SCREW
OIL BURNING AIR HEATER
70
3.5
TUNGSTEN
24.5
BRITISH STANDARD-MIDLAND SCISSORS TYPE
NOT FITTED
BLUE SQUARE
SELF CONTAINED-457 DIA.

ALTERNATIVES

FITTED

TRACTION DATA FOR MULTIPLE UNITS

DMMU-BUILDER BIRMINGHAM RAILWAY CARRIAGE & WAGON CO. LTD.

BASIC TYPE

DS 205 0A

VARIANTS

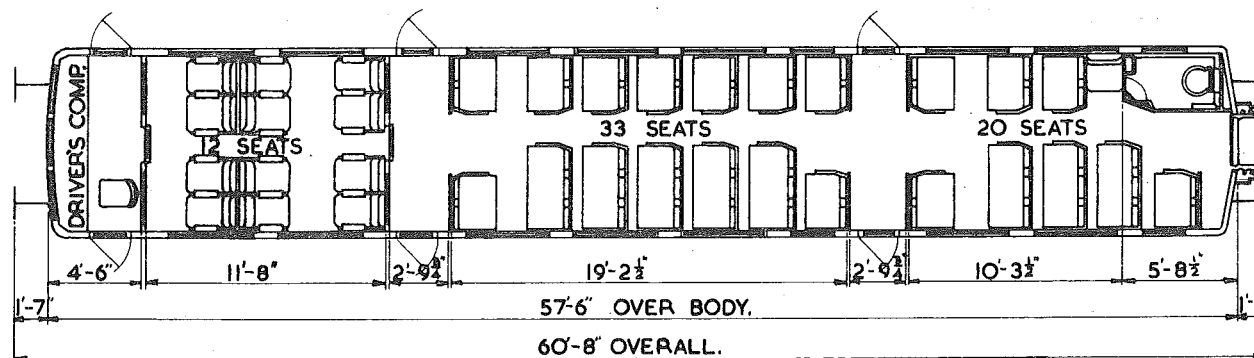
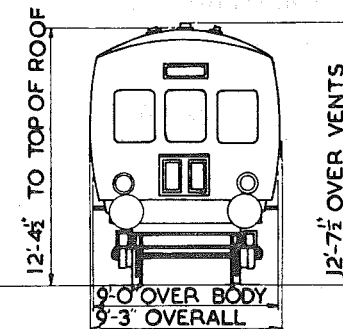
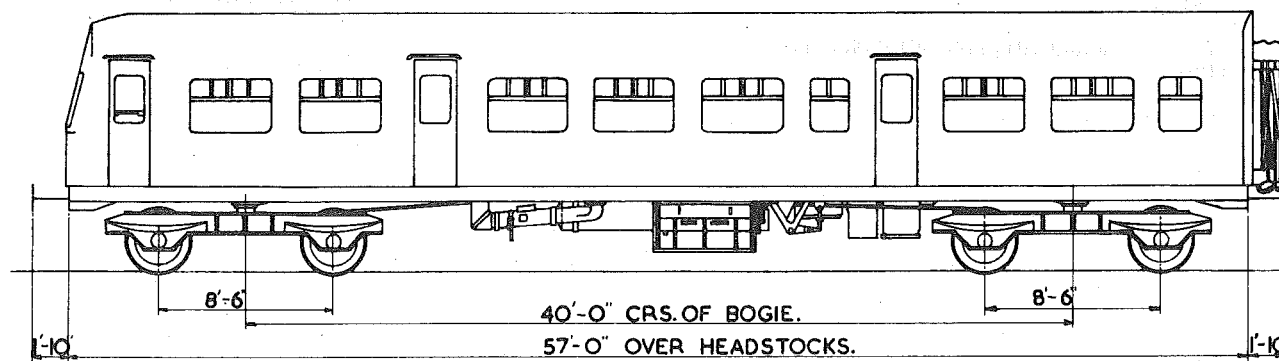
1A A.W.S. FITTED.

DRIVING TRAILER SECOND

CLASS 101

DTS

DS 206



SEATS	65
TOILETS	1
COMPARTMENTS	-
GUARDS COMPARTMENTS	-
VENTILATION	-
CATERING EQUIPMENT	-

ORIGINAL DIAGRAMS FOR REFERENCE:-
BR 630

ISSUE 4
DATE DEC '82

DS 206

BRAKES
BOGIE/SUSPENSION
BODY CONSTRUCTION
COUPLINGS
TRAIN HEATING
MAX.SPEED M.P.H.
MIN.RAD.CURVE CHAINS
LIGHTING
TARE WEIGHT TONNES
GANGWAYS
A.W.S.
MULTIPLE WORKING CODE SYMBOL
BUFFERS

BASIC TYPE

VACUUM
DT11 MK 1
STEEL
SCREW
OIL BURNING AIR HEATER
70
3.5
TUNGSTEN
25
BRITISH STANDARD-MIDLAND SCISSORS TYPE
FITTED
BLUE SQUARE
SELF CONTAINED-457 DIA.

ALTERNATIVES

FLUORESCENT & TUNGSTEN
25.5

NOT FITTED

TRACTION DATA FOR MULTIPLE UNITS

DMMU-BUILDER METROPOLITAN CAMELL

BASIC TYPE

DS 206 1A

VARIANTS

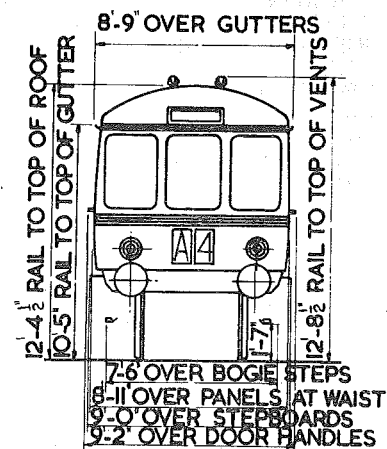
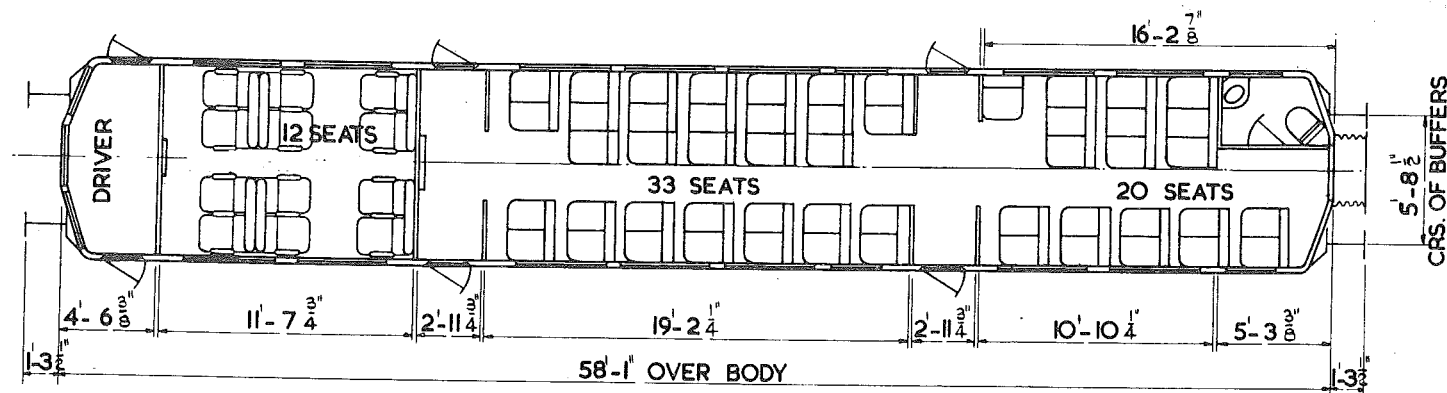
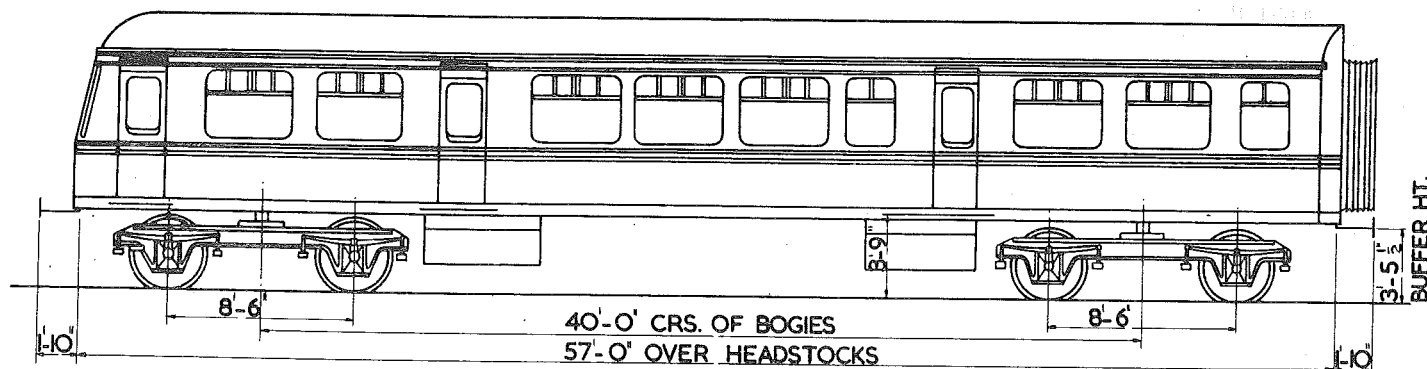
2B REFURBISHED-FLUORESCENT & TUNGSTEN LIGHTING,TARE 25.5.
3B REFURBISHED-FLUORESCENT & TUNGSTEN LIGHTING,TARE 25.5,A.W.S.NOT FITTED.

DRIVING TRAILER SECOND

CLASS 108

DTS

DS 207



SEATS	65
TOILETS	1
COMPARTMENTS	-
GUARDS COMPARTMENTS	-
VENTILATION	-
CATERING EQUIPMENT	-

ORIGINAL DIAGRAMS FOR REFERENCE:-
BR 640

ISSUE 3
DATE DEC '82

DS 207

BASIC TYPE

BRAKES
BOGIE/SUSPENSION
BODY CONSTRUCTION
COUPLINGS
TRAIN HEATING
MAX.SPEED M.P.H.
MIN.RAD.CURVE CHAINS
LIGHTING
TARE WEIGHT TONNES
GANGWAYS
A.W.S.
MULTIPLE WORKING CODE SYMBOL
BUFFERS

VACUUM
DT8 MK 1 & MK 3(ONE OF EACH)
STEEL UNDERFRAME & BODY FRAMING-ALUMINIUM BODY & ROOF
SCREW
OIL BURNING AIR HEATER
70
3.5
TUNGSTEN
21.5
BRITISH STANDARD-MIDLAND SCISSORS TYPE
FITTED
BLUE SQUARE
SELF CONTAINED-457 DIA.

ALTERNATIVES

FLUORESCENT & TUNGSTEN

TRACTION DATA FOR MULTIPLE UNITS

DMU-BUILDER BR DERBY-LIGHTWEIGHT

BASIC TYPE

DS 207 1A

VARIANTS

2B REFURBISHED-FLUORESCENT & TUNGSTEN LIGHTING.

CLASS 105

DTS

DS 208



ORIGINAL DIAGRAMS FOR REFERENCE.-
BR 533

ISSUE 2 DATE MAY' 81

DS 208

BRAKES
BOGIE/SUSPENSION
BODY CONSTRUCTION
COUPLINGS
TRAIN HEATING
MAX. SPEED M.P.H.
MIN. RAD. CURVE CHAINS
LIGHTING
TARE WEIGHT TONNES
GANGWAYS
A.W.S.
MULTIPLE WORKING CODE SYMBOL
BUFFERS

BASIC TYPE

VACUUM
DT8 MK 6 & MK 7 (ONE OF EACH)
STEEL
SCREW
OIL BURNING AIR HEATER
70
3.5
TUNGSTEN
24.5
BRITISH STANDARD-MIDLAND SCISSORS TYPE
NOT FITTED
BLUE SQUARE
SELF CONTAINED-457 DIA.

ALTERNATIVES

FITTED

TRACTION DATA FOR MULTIPLE UNITS

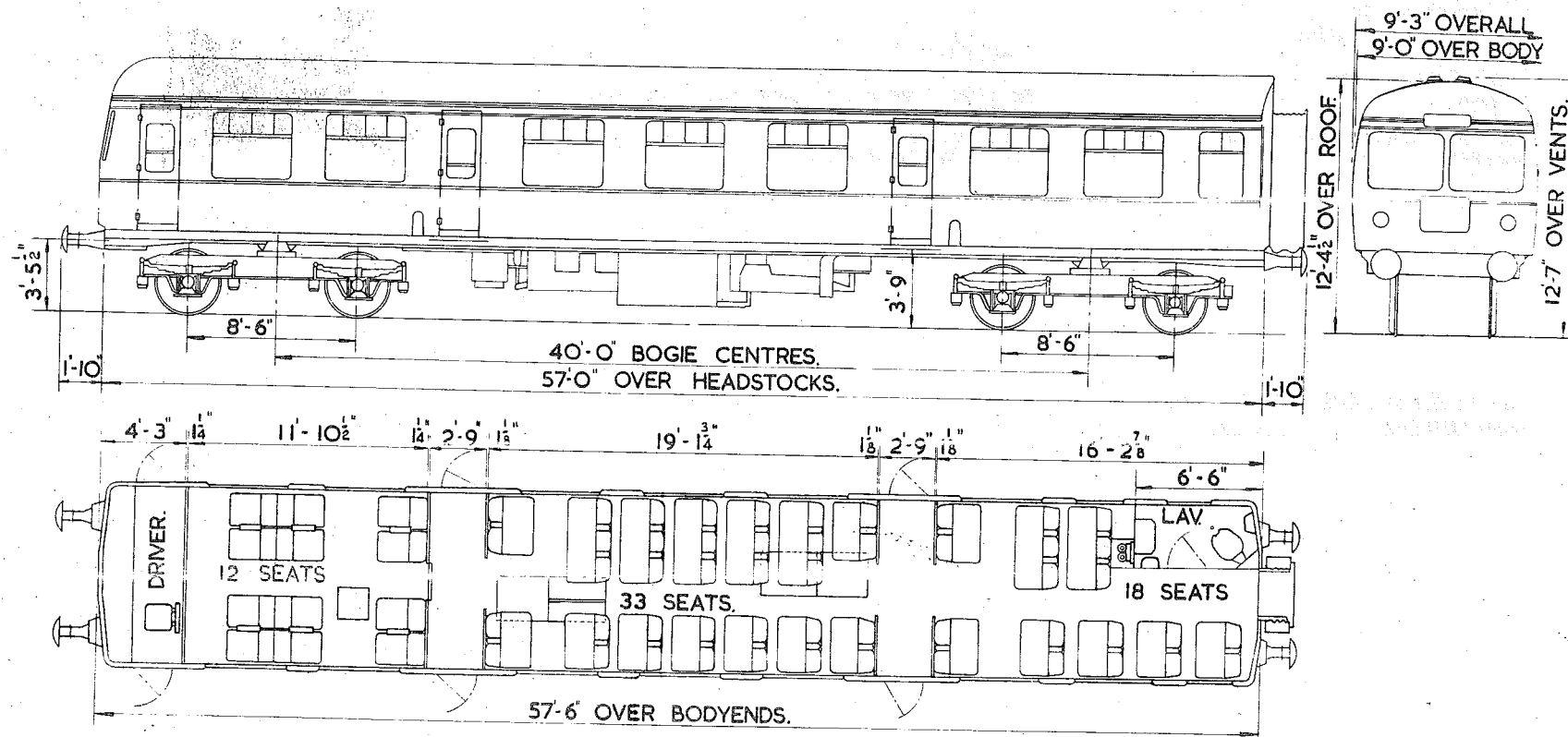
DMU-BUILDER CRAVENS

BASIC TYPE

DS 208 0A

VARIANTS

1A A.W.S. FITTED.



SEATS	63
TOILETS	1
COMPARTMENTS	1
GUARDS COMPARTMENTS	1
VENTILATION	1
CATERING EQUIPMENT	1

ORIGINAL DIAGRAMS FOR REFERENCE.-
BR 549

ISSUE 2 DATE MAY '81

DS 209

BASIC TYPE

ALTERNATIVES

BRAKES
BOGIE/SUSPENSION
BODY CONSTRUCTION
COUPLINGS
TRAIN HEATING
MAX. SPEED M.P.H.
MIN. RAD. CURVE CHAINS
LIGHTING
TARE WEIGHT TONNES
GANGWAYS
A.V.S.
MULTIPLE WORKING CODE SYMBOL
BUFFERS

VACUUM
DT8 MK 6 & MK 7 (ONE OF EACH)
STEEL
SCREW
OIL BURNING AIR HEATER
70
3.5
TUNGSTEN
23.5
BRITISH STANDARD-MIDLAND SCISSORS TYPE
FITTED
BLUE SQUARE
SELF CONTAINED-457 DIA.

TRACTION DATA FOR MULTIPLE UNITS

DMU-BUILDER CRAVENS

BASIC TYPE

DS 209 1A

VARIANTS

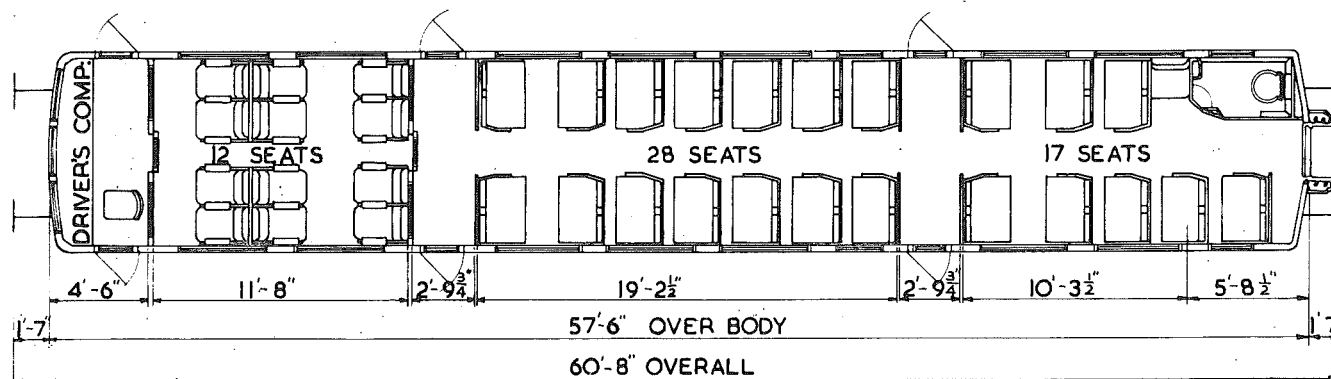
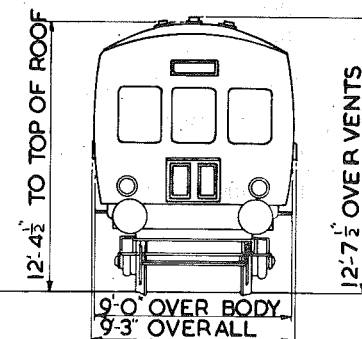
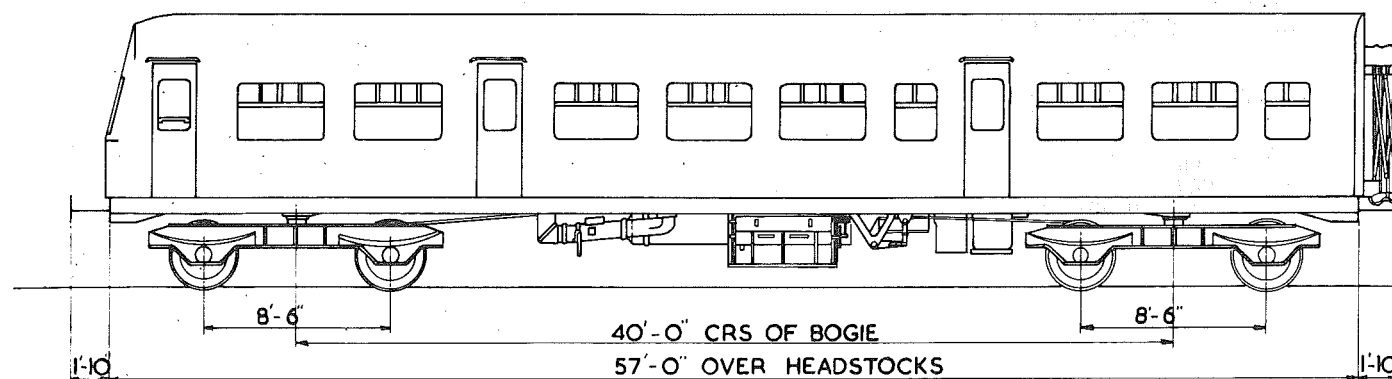
NONE

DRIVING TRAILER SECOND

CLASS 101

DTS

DS 210



SEATS	57
TOILETS	1
COMPARTMENTS	-
GUARDS COMPARTMENTS	-
VENTILATION	-
CATERING EQUIPMENT	-

ORIGINAL DIAGRAMS FOR REFERENCE:-
BR 629

ISSUE 3
DATE AUG '82

DS 210

BRAKES
BOGIE/SUSPENSION
BODY CONSTRUCTION
COUPLINGS
TRAIN HEATING
MAX.SPEED M.P.H.
MIN.RAD.CURVE CHAINS
LIGHTING
TARE WEIGHT TONNES
GANGWAYS
A.W.S.
MULTIPLE WORKING CODE SYMBOL
BUFFERS

BASIC TYPE

VACUUM
DT11 MK 1
STEEL
SCREW
OIL BURNING AIR HEATER
70
3.5
FLUORESCENT & TUNGSTEN
25.5
BRITISH STANDARD-MIDLAND SCISSORS TYPE
NOT FITTED
BLUE SQUARE
SELF CONTAINED-457 DIA.

ALTERNATIVES

TRACTION DATA FOR MULTIPLE UNITS

DMU-BUILDER METROPOLITAN CAMELL

BASIC TYPE

DS 210 1B-REFURBISHED

VARIANTS

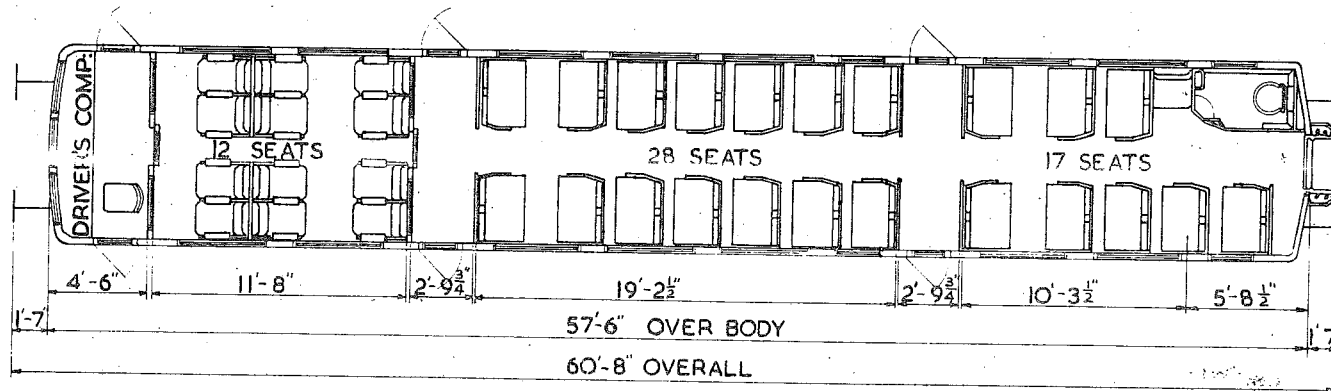
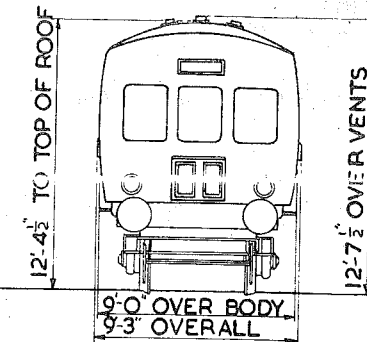
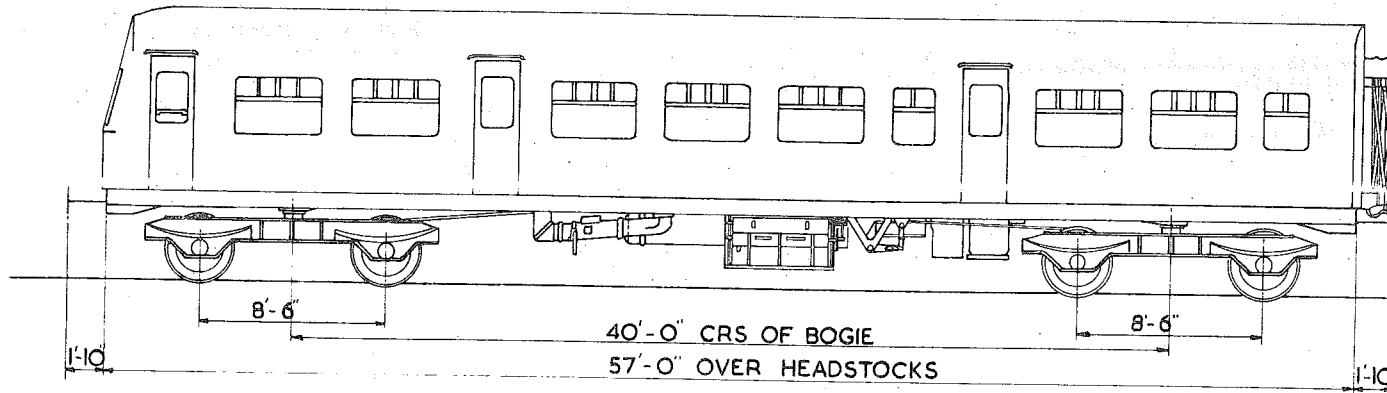
NONE

DRIVING TRAILER SECOND

CLASS 101

DTS

DS 210



SEATS
TOILETS
COMPARTMENTS
GUARDS COMPARTMENTS
VENTILATION
CATERING EQUIPMENT

57
1
1
1
1
1
1

ORIGINAL DIAGRAMS FOR REFERENCE.-
BR 629

ISSUE
2

DATE
MAY '01

DS 210

BRAKES
BOGIE/SUSPENSION
BODY CONSTRUCTION
COUPLINGS
TRAIN HEATING
MAX. SPEED M.P.H.
MIN. RAD. CURVE CHAINS
LIGHTING
TARE WEIGHT TONNES
GANGWAYS
A.V.S.
MULTIPLE WORKING CODE SYMBOL
BUFFERS

BASIC TYPE

VACUUM
DT11 MK 1
STEEL
SCREW
OIL BURNING AIR HEATER
70
3.5
TUNGSTEN
25.5
BRITISH STANDARD-MIDLAND SCISSORS TYPE
NOT FITTED
BLUE SQUARE
SELF CONTAINED-457 DIA.

ALTERNATIVES

FLUORESCENT & TUNGSTEN

TRACTION DATA FOR MULTIPLE UNITS

DMU-BUILDER

METROPOLITAN CANNELL

BASIC TYPE

DS 210 0A

VARIANTS

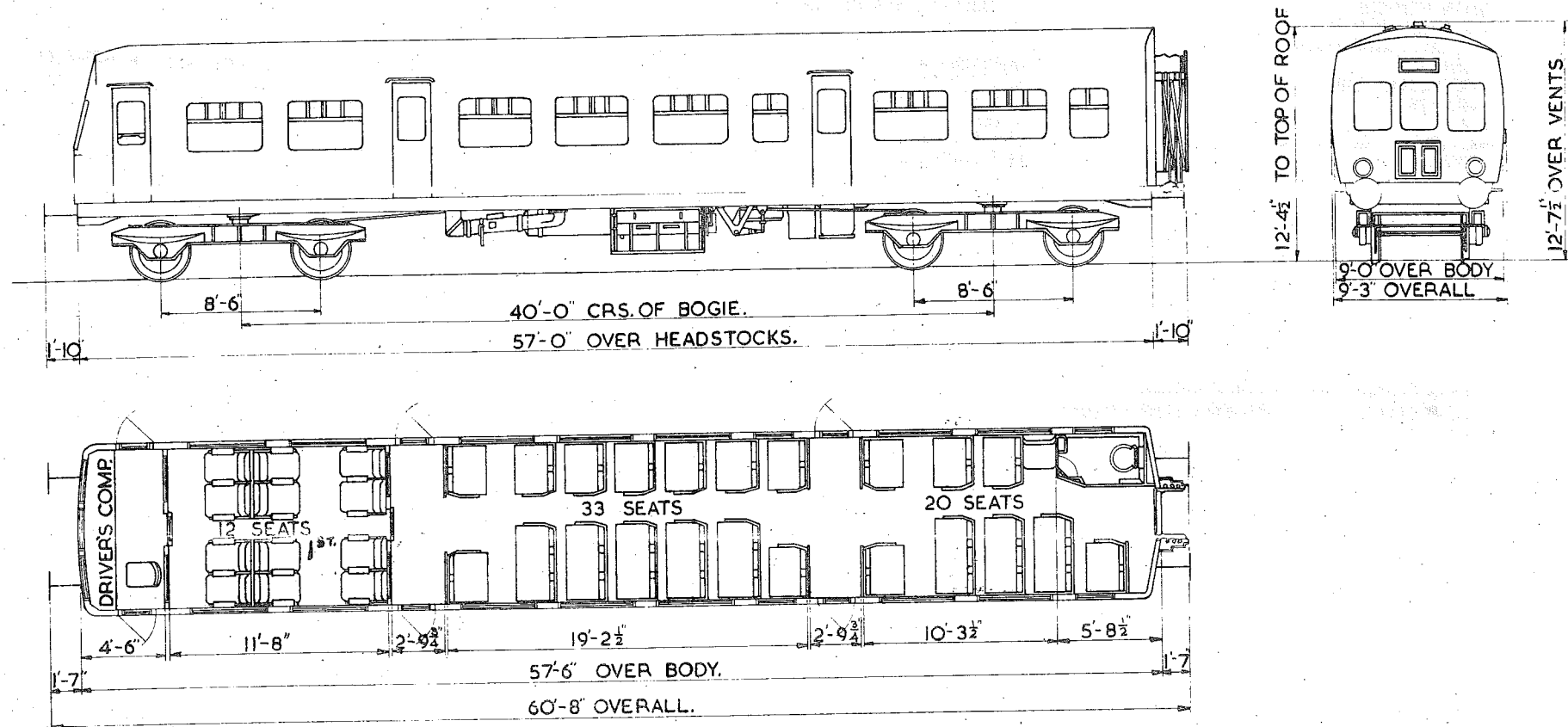
1B REFURBISHED-FLUORESCENT & TUNGSTEN LIGHTING.

DRIVING TRAILER COMPOSITE

CLASS 101

DTC

DS 302



SEATS
TOILETS
COMPARTMENTS
GUARDS COMPARTMENTS
VENTILATION
CATERING EQUIPMENT

12 FIRST CLASS 53 SECOND CLASS

1
-
-
-
-

ORIGINAL DIAGRAMS FOR REFERENCE,--
BR 630

ISSUE
2

DATE
MAY '81

DS 302

BRAKES
BOGIE/SUSPENSION
BODY CONSTRUCTION
COUPLINGS
TRAIN HEATING
MAX. SPEED M.P.H.
MIN. RAD. CURVE CHAINS
LIGHTING
TARE WEIGHT TONNES
GANGWAYS
A.V.S.
MULTIPLE WORKING CODE SYMBOL
BUFFERS

BASIC TYPE

VACUUM
DT11 MK 1
STEEL
SCREW
OIL BURNING AIR HEATER
70
3.5
TUNGSTEN
25.5
BRITISH STANDARD-MIDLAND SCISSORS TYPE
FITTED
BLUE SQUARE
SELF CONTAINED-457 DIA.

ALTERNATIVES

FLUORESCENT & TUNGSTEN

TRACTION DATA FOR MULTIPLE UNITS

DMU-BUILDER METROPOLITAN CANNELL

BASIC TYPE

DS 302 1A

VARIANTS

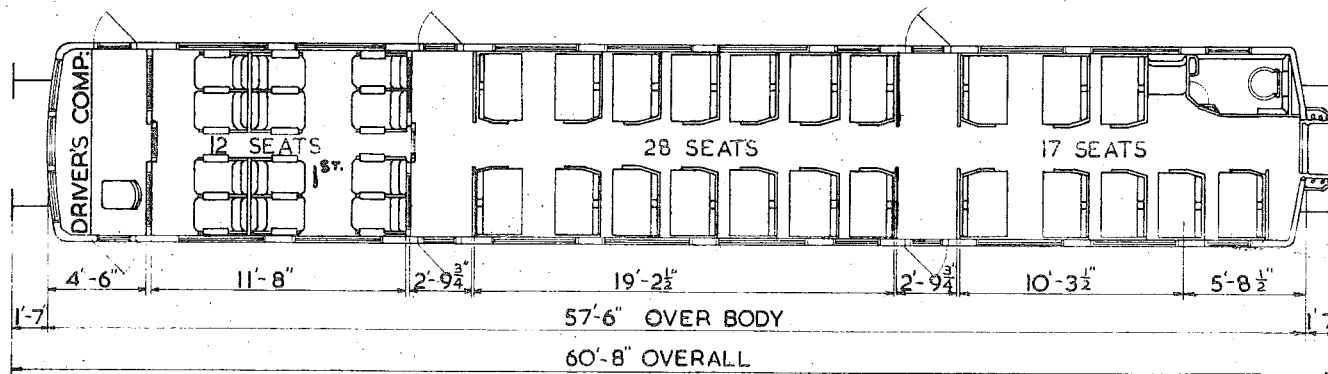
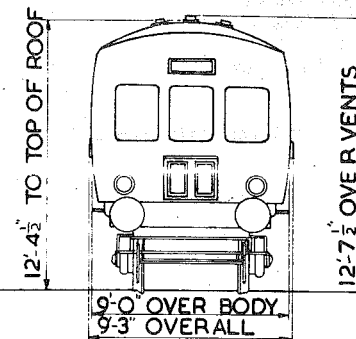
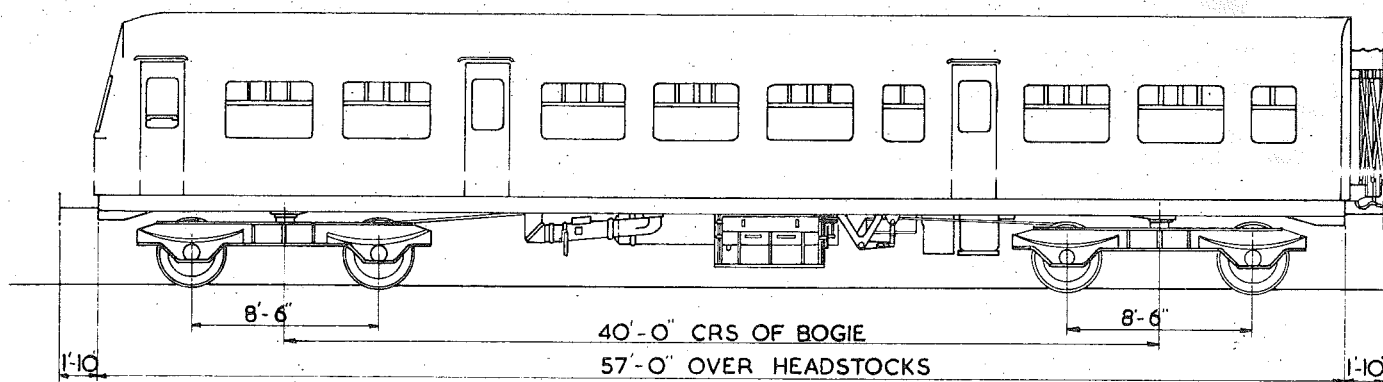
2B REFURBISHED-FLUORESCENT & TUNGSTEN LIGHTING.
3B REFURBISHED-FLUORESCENT & TUNGSTEN LIGHTING, A.V.S NOT FITTED.

DRIVING TRAILER COMPOSITE

CLASS 101

DTC

DS 303



SEATS
TOILETS
COMPARTMENTS
GUARDS COMPARTMENTS
VENTILATION
CATERING EQUIPMENT

12 FIRST CLASS 45 SECOND CLASS

1
-
-
-
-

ORIGINAL DIAGRAMS FOR REFERENCE.-
BR 629

ISSUE
2

DATE
MAY '81

DS 303

BRAKES
BOGIE/SUSPENSION
BODY CONSTRUCTION
COUPLINGS
TRAIN HEATING
MAX.SPEED M.P.H.
MIN.RAD.CURVE CHAINS
LIGHTING
TARE WEIGHT TONNES
GANGWAYS
A.W.S.
MULTIPLE WORKING CODE SYMBOL
BUFFERS

BASIC TYPE

VACUUM
DT11 MK 1
STEEL
SCREW
OIL BURNING AIR HEATER
70
3.5
FLUORESCENT & TUNGSTEN
25.5
BRITISH STANDARD-MIDLAND SCISSORS TYPE
FITTED
BLUE SQUARE
SELF CONTAINED-457 DIA.

ALTERNATIVES

TRACTION DATA FOR MULTIPLE UNITS

DMMU-BUILDER

METROPOLITAN CAMMELL

BASIC TYPE

DS 303 2B-REFURBISHED

VARIANTS

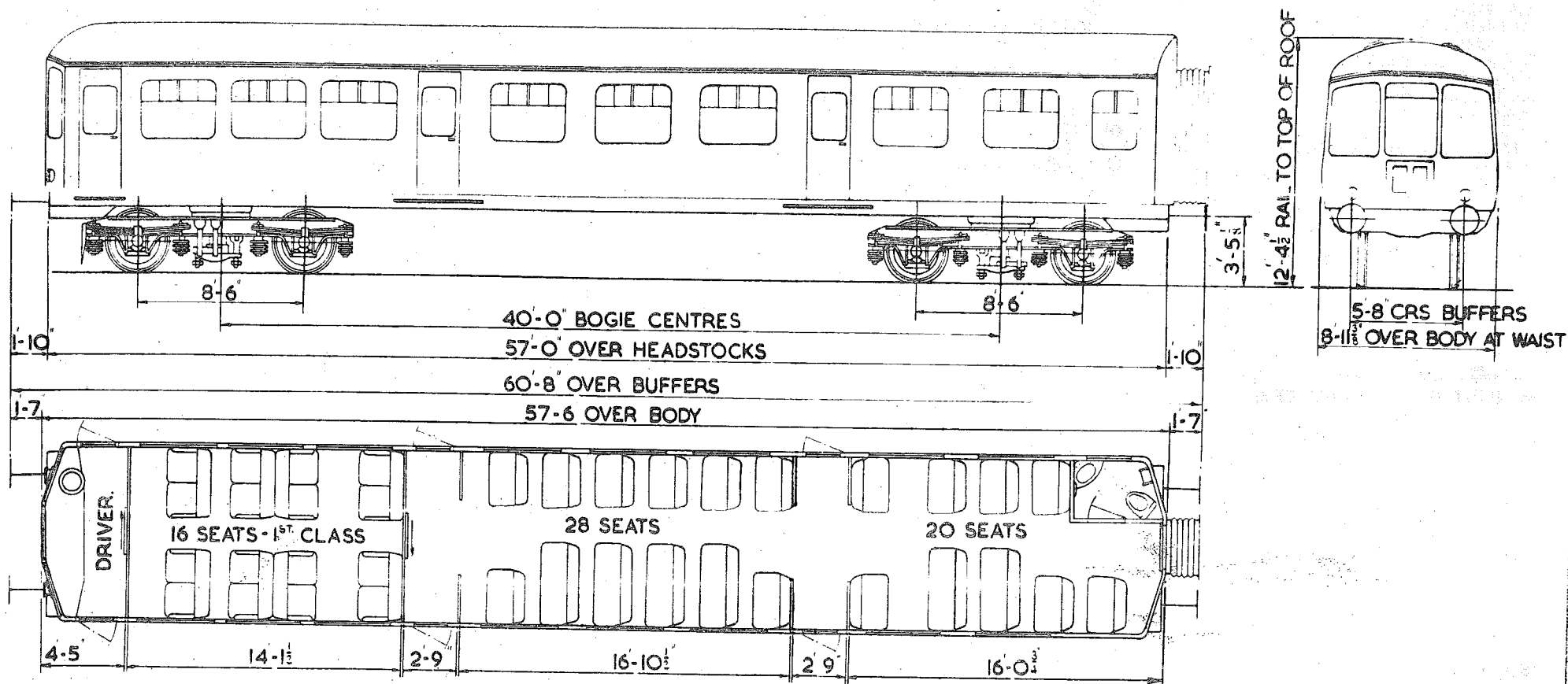
NONE

DRIVING TRAILER COMPOSITE

CLASS 103

DTC

DS 304



SEATS
TOILETS
COMPARTMENTS
GUARDS COMPARTMENTS
VENTILATION
CATERING EQUIPMENT

16 FIRST CLASS 48 SECOND CLASS

1
-
-
-

ORIGINAL DIAGRAMS FOR REFERENCE.-
BR 645

ISSUE
2

DATE
MAY '81

DS 304

BRAKES
BOGIE/SUSPENSION
BODY CONSTRUCTION
COUPLINGS
TRAIN HEATING
MAX. SPEED M.P.H.
MIN. RAD. CURVE CHAINS
LIGHTING
TARE WEIGHT TONNES
GANGWAYS
A.V.S.
MULTIPLE WORKING CODE SYMBOL
BUFFERS

BASIC TYPE

VACUUM
DT9a MK 1 & MK 2 (ONE OF EACH)
STEEL
SCREW
OIL BURNING AIR HEATER
70
3.5
TUNGSTEN
27
BRITISH STANDARD-MIDLAND SCISSORS TYPE
NOT FITTED
BLUE SQUARE
SELF CONTAINED-457 DIA.

ALTERNATIVES

FITTED

TRACTION DATA FOR MULTIPLE UNITS

DMMU-BUILDER PARK ROYAL

BASIC TYPE

DS 304 0A

VARIANTS

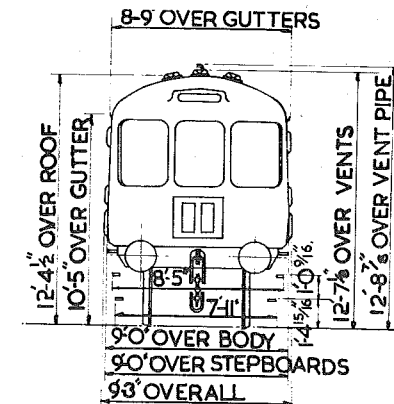
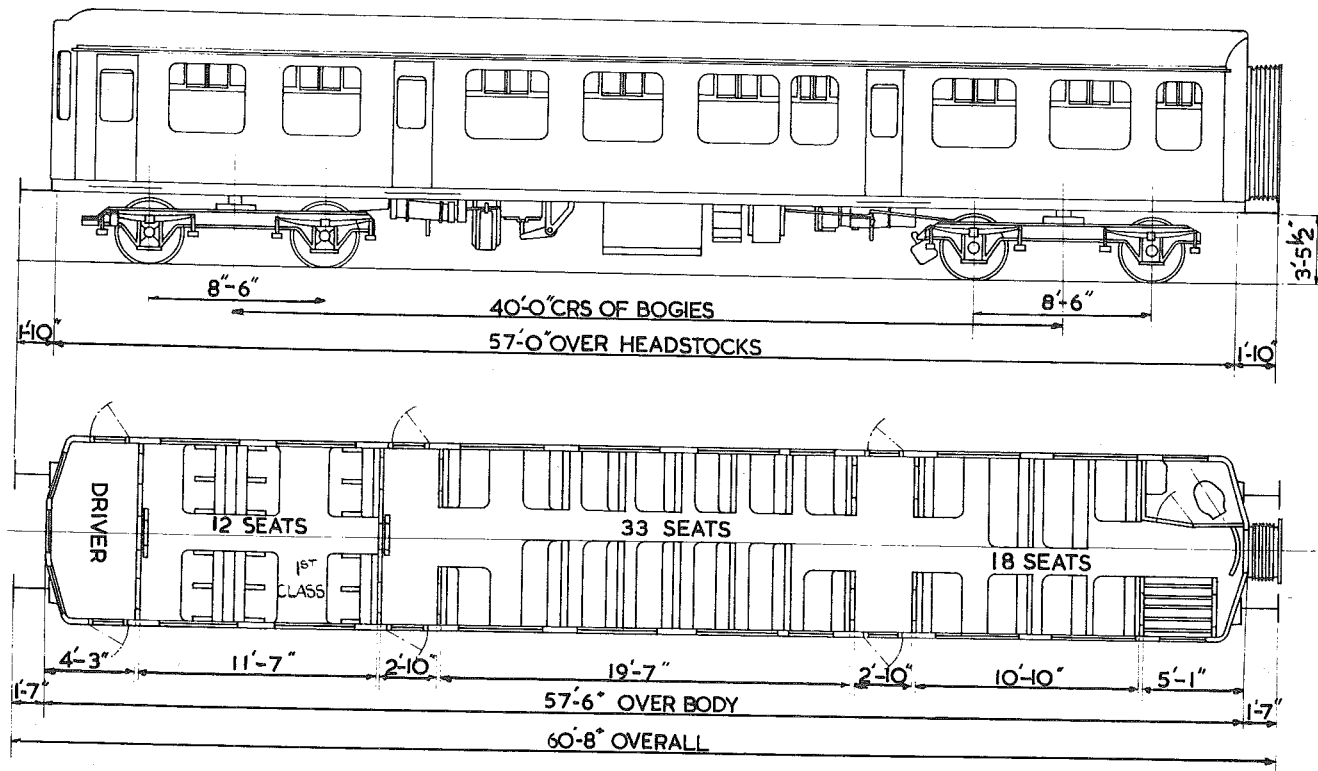
1A A.V.S. FITTED.

DRIVING TRAILER COMPOSITE

CLASS 104

DTC

DS 306



SEATS	12 FIRST CLASS 51 SECOND CLASS
TOILETS	1
COMPARTMENTS	-
GUARDS COMPARTMENTS	-
VENTILATION	-
CATERING EQUIPMENT	-

ORIGINAL DIAGRAMS FOR REFERENCE:-
BR 581

ISSUE 3 DATE JAN 84

DS 306

	<u>BASIC TYPE</u>	<u>ALTERNATIVES</u>
BRAKES	VACUUM	
BOGIE/SUSPENSION	DT10 MK 1 & MK 2(ONE OF EACH)	
BODY CONSTRUCTION	STEEL	
COUPLINGS	SCREW	
TRAIN HEATING	OIL BURNING AIR HEATER	
MAX.SPEED M.P.H.	70	
MIN.RAD.CURVE CHAINS	3.5	
LIGHTING	TUNGSTEN	
TARE WEIGHT TONNES	24.5	
GANGWAYS	BRITISH STANDARD-MIDLAND SCISSORS TYPE	
A.W.S.	NOT FITTED	FITTED
MULTIPLE WORKING CODE SYMBOL	BLUE SQUARE	
BUFFERS	SELF CONTAINED-457 DIA.	

TRACTION DATA FOR MULTIPLE UNITS

DMMU-BUILDER BIRMINGHAM RAILWAY CARRIAGE & WAGON CO.LTD.

BASIC TYPE

DS 306 0A

VARIANTS

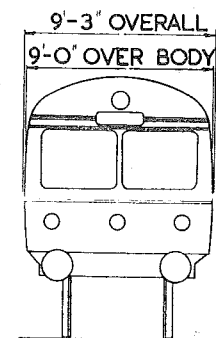
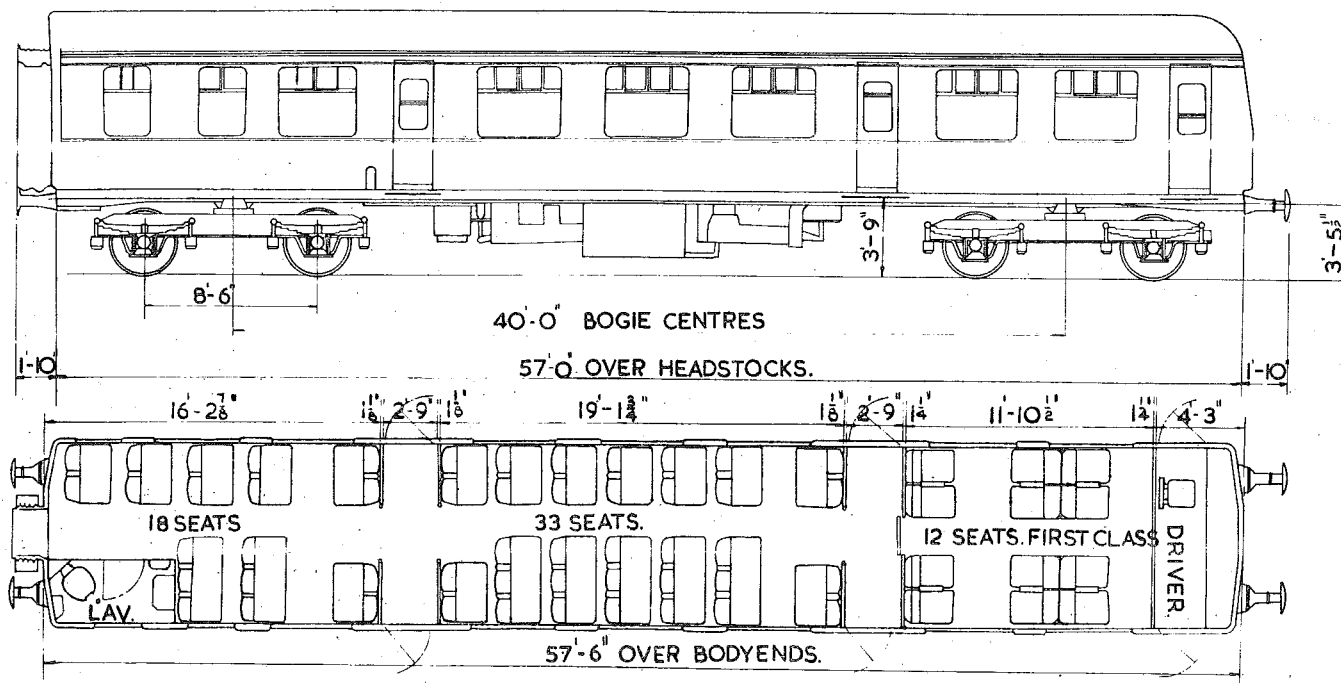
1A A.W.S.FITTED.

DRIVING TRAILER COMPOSITE

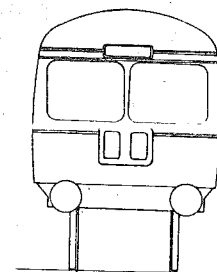
CLASS 105

DTC

DS 307



END VIEW FOR
REMAINING CAR Nos.
ON THIS DRAWING.



END VIEW FOR
REMAINING CAR Nos.
E56125 - E56129
M56145 - M56149

SEATS
TOILETS
COMPARTMENTS
GUARDS COMPARTMENTS
VENTILATION
CATERING EQUIPMENT

12 FIRST CLASS 51 SECOND CLASS

1

1

1

1

1

1

ORIGINAL DIAGRAMS FOR REFERENCE.-
BR 526

ISSUE
2

DATE
MAY '81

DS 307

BRAKES
BOGIE/SUSPENSION
BODY CONSTRUCTION
COUPLINGS
TRAIN HEATING
MAX. SPEED M.P.H.
MIN. RAD. CURVE CHAINS
LIGHTING
TARE WEIGHT TONNES
GANGWAYS
A.V.S.
MULTIPLE WORKING CODE SYMBOL
BUFFERS

BASIC TYPE

VACUUM
DT8 MK 6 & MK 7 (ONE OF EACH)
STEEL
SCREW
OIL BURNING AIR HEATER
70
3.5
TUNGSTEN
23.5
BRITISH STANDARD-HIGHLAND SCISSORS TYPE
NOT FITTED
BLUE SQUARE
SELF CONTAINED-457 DIA.

ALTERNATIVES

FITTED

TRACTION DATA FOR MULTIPLE UNITS

DMU-BUILDER CRAVENS

BASIC TYPE

DS 307 0A

VARIANTS

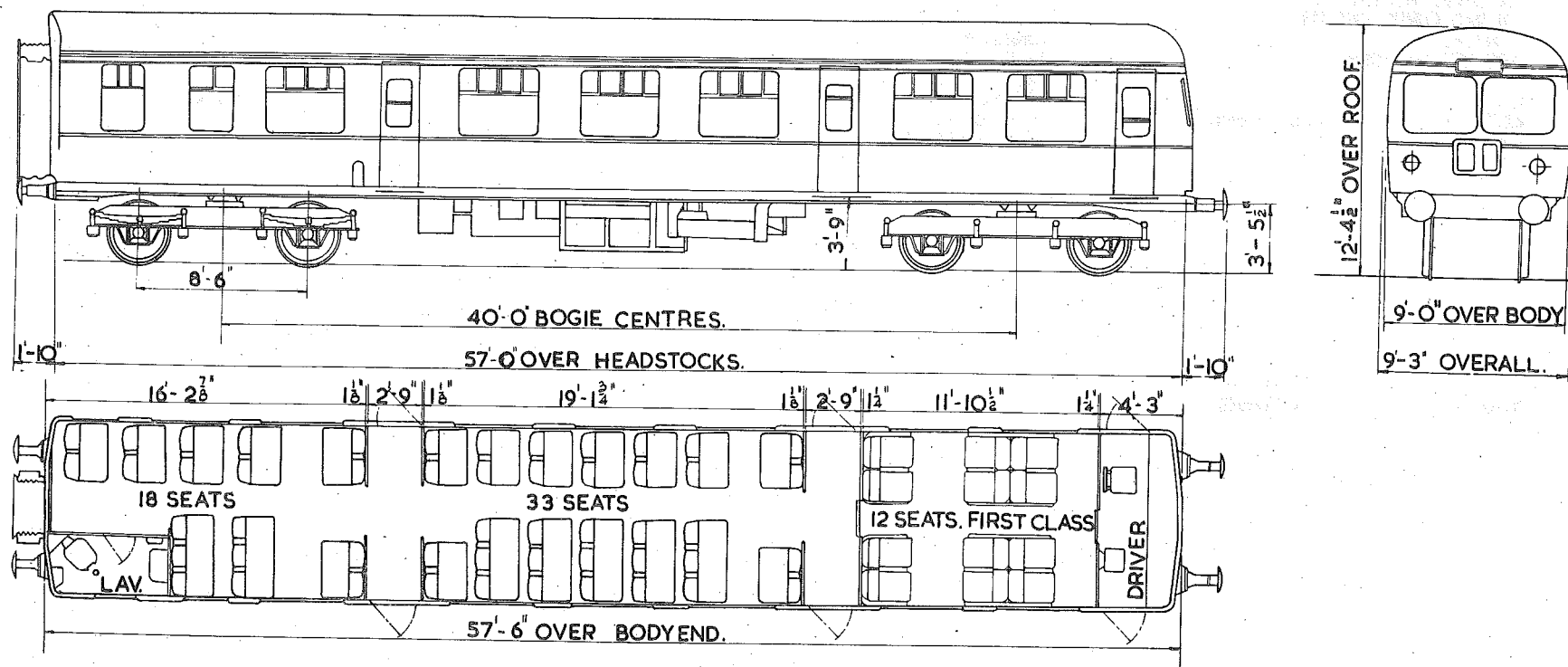
1A A.V.S. FITTED.

DRIVING TRAILER COMPOSITE

CLASS 105

DTC

DS 308



SEATS
TOILETS
COMPARTMENTS
GUARDS COMPARTMENTS
VENTILATION
CATERING EQUIPMENT

12 FIRST CLASS 51 SECOND CLASS

1
-
-
-

ORIGINAL DIAGRAMS FOR REFERENCE.-
BR 533

ISSUE 2
DATE MAY '81

DS 308

BRAKES
BOGIE/SUSPENSION
BODY CONSTRUCTION
COUPLINGS
TRAIN HEATING
MAX. SPEED M.P.H.
MIN. RAD. CURVE CHAINS
LIGHTING
TARE WEIGHT TONNES
GANGWAYS
A.V.S.
MULTIPLE WORKING CODE SYMBOL
BUFFERS

BASIC TYPE

VACUUM
DT8 MK 6 & MK 7 (ONE OF EACH)
STEEL
SCREW
OIL BURNING AIR HEATER
70
3.5
TUNGSTEN
24.5
BRITISH STANDARD-MIDLAND SCISSORS TYPE
NOT FITTED
BLUE SQUARE
SELF CONTAINED-457 DIA.

ALTERNATIVES

FITTED

TRACTION DATA FOR MULTIPLE UNITS

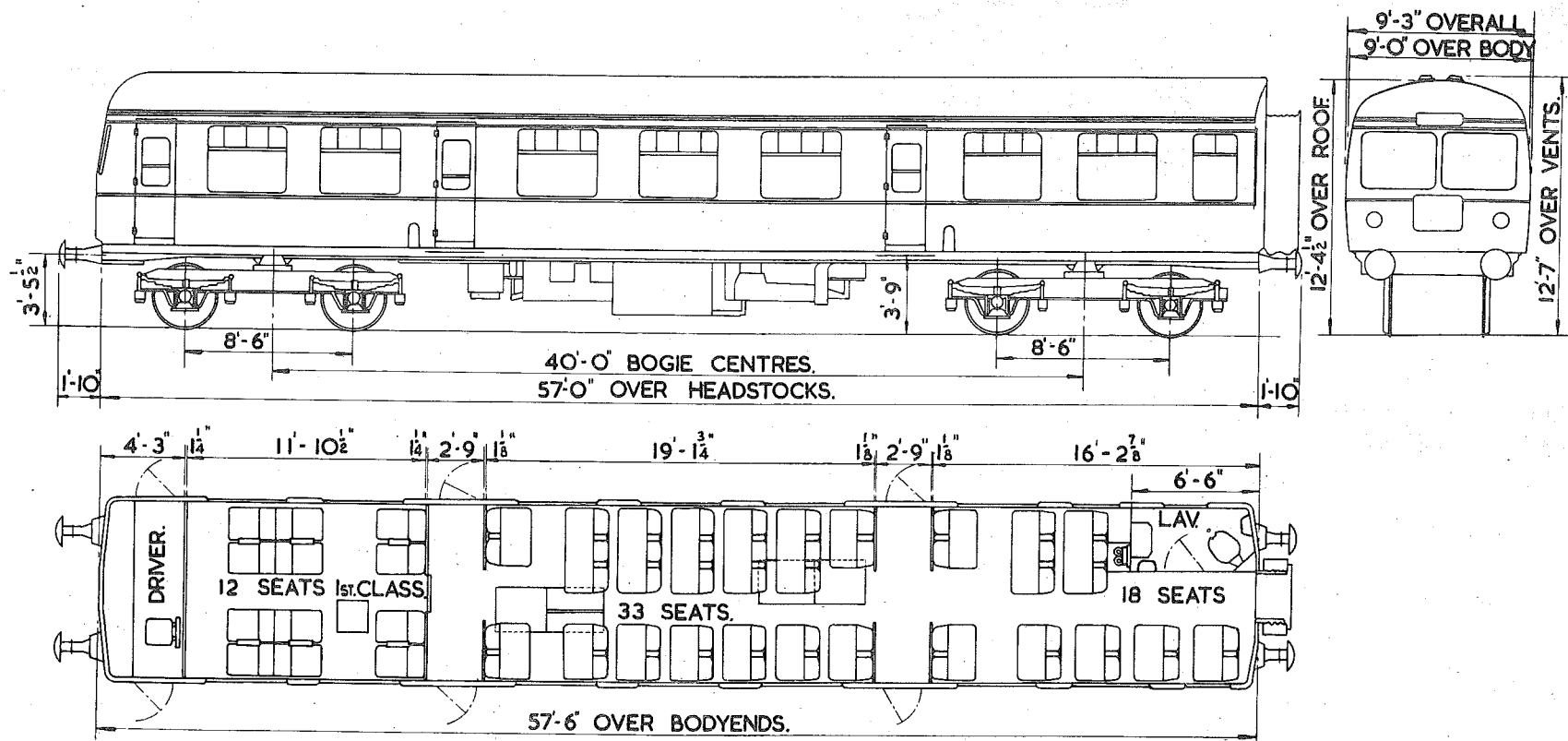
DMU-BUILDER CRAVENS

BASIC TYPE

DS 308 0A

VARIANTS

1A A.V.S. FITTED.



SEATS
TOILETS
COMPARTMENTS
GUARDS COMPARTMENTS
VENTILATION
CATERING EQUIPMENT

12 FIRST CLASS 51 SECOND CLASS

1
-
-
-
-

ORIGINAL DIAGRAMS FOR REFERENCE...
BR 549

ISSUE 2 DATE MAY '81

DS 309

BRAKES
BOGIE/SUSPENSION
BODY CONSTRUCTION
COUPLINGS
TRAIN HEATING
MAX. SPEED H.P.H.
MIN. RAD. CURVE CHAINS
LIGHTING
TARE WEIGHT TONNES
GANGWAYS
A.V.S.
MULTIPLE WORKING CODE SYMBOL
BUFFERS

BASIC TYPE

VACUUM
DT8 MK 6 & MK 7 (ONE OF EACH)
STEEL
SCREW
OIL BURNING AIR HEATER
70
3.5
TUNGSTEN
23.5
BRITISH STANDARD-MIDLAND SCISSORS TYPE
NOT FITTED
BLUE SQUARE
SELF CONTAINED-457 DIA.

ALTERNATIVES

FITTED

TRACTION DATA FOR MULTIPLE UNITS

DMMU-BUILDER CRAVENS

BASIC TYPE

DS 309 0A

VARIANTS

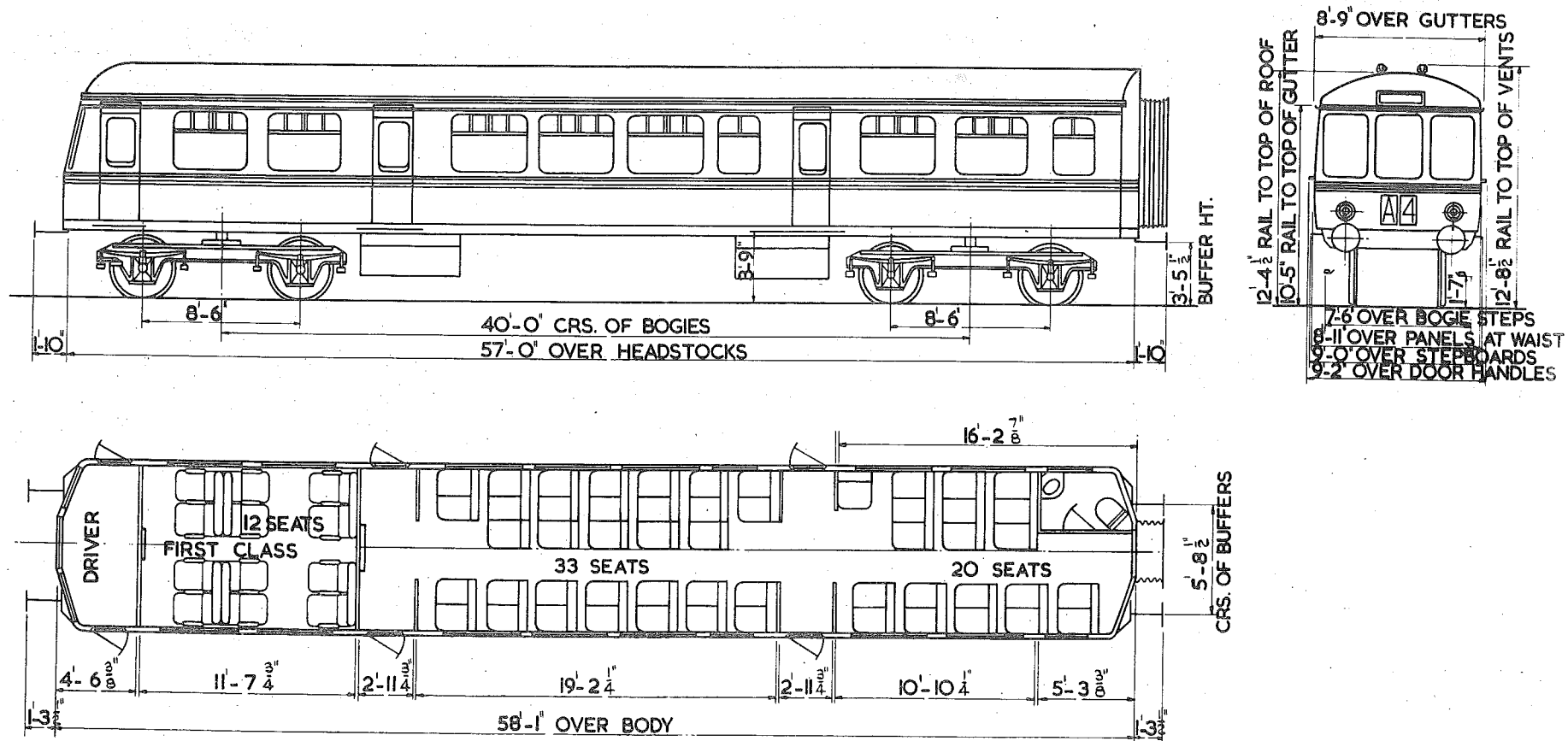
1A A.V.S. FITTED.

DRIVING TRAILER COMPOSITE

CLASS 108

DTC

DS 310



SEATS
TOILETS
COMPARTMENTS
GUARDS COMPARTMENTS
VENTILATION
CATERING EQUIPMENT

12 FIRST CLASS 53 SECOND CLASS

ORIGINAL DIAGRAMS FOR REFERENCE.-
BR 640

ISSUE
2
DATE
MAY '81

DS 310

BRAKES
BOGIE/SUSPENSION
BODY CONSTRUCTION
COUPLINGS
TRAIN HEATING
MAX. SPEED M.P.H.
MIN. RAD. CURVE CHAINS
LIGHTING
TARE WEIGHT TONNES
GANGWAYS
A.V.S.
MULTIPLE WORKING CODE SYMBOL
BUFFERS

BASIC TYPE

VACUUM
DT8 MK 1 & MK 3 (ONE OF EACH)
STEEL UNDERFRAME & BODY FRAMING-ALUMINIUM BODY & ROOF
SCREW
OIL BURNING AIR HEATER
70
3.5
TUNGSTEN
21.5
BRITISH STANDARD-MIDLAND SCISSORS TYPE
FITTED
BLUE SQUARE
SELF CONTAINED-457 DIA.

ALTERNATIVES

FLUORESCENT & TUNGSTEN

TRACTION DATA FOR MULTIPLE UNITS

DMU-BUILDER BR DERBY-LIGHTWEIGHT

BASIC TYPE

DS 310 1A

VARIANTS

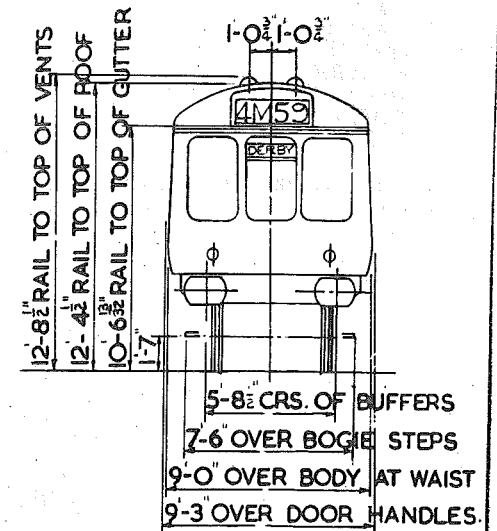
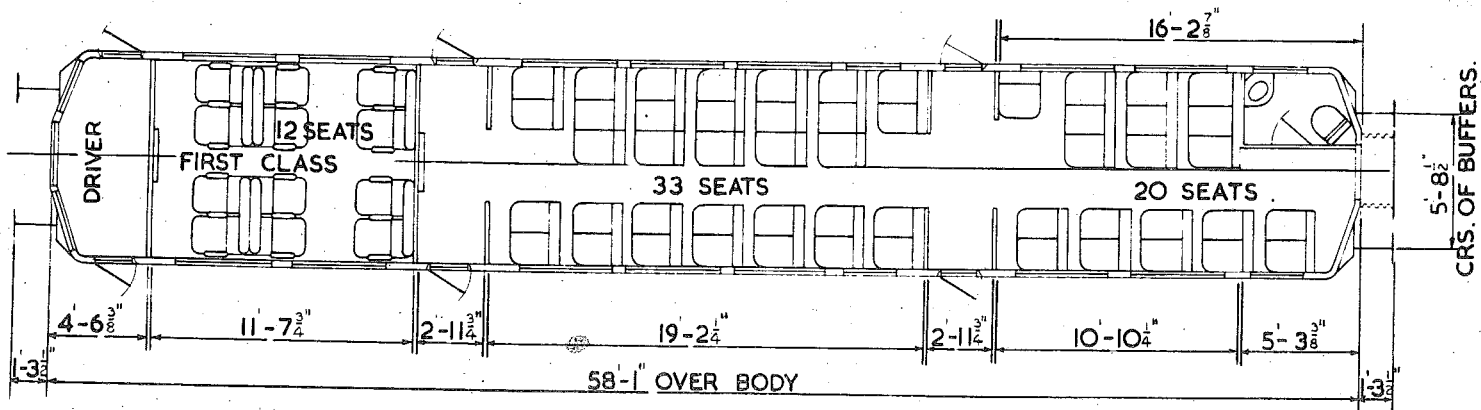
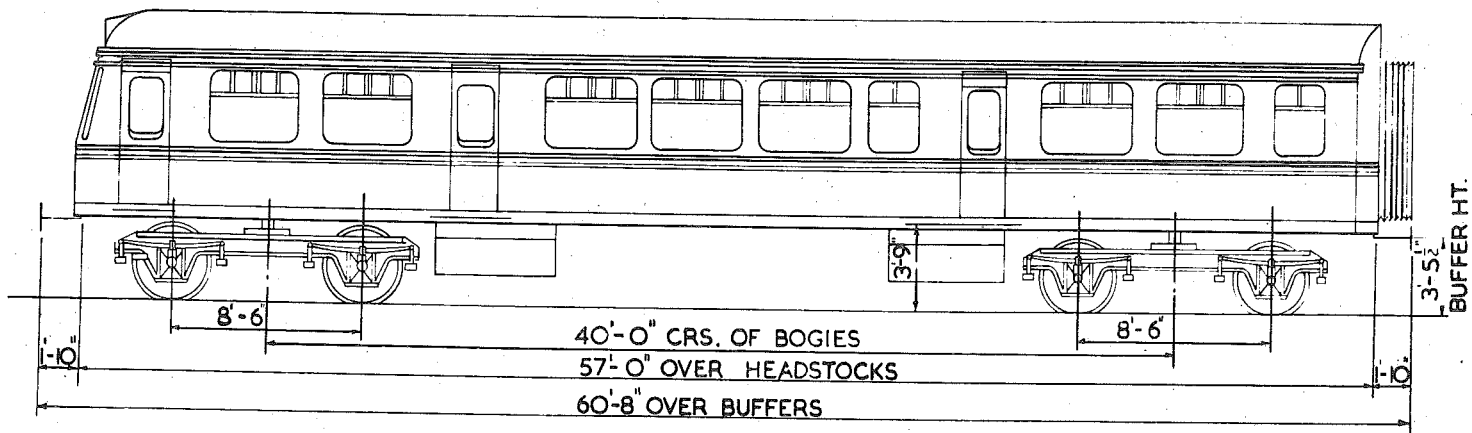
2B REFURBISHED-FLUORESCENT & TUNGSTEN LIGHTING.

DRIVING TRAILER COMPOSITE

CLASS 108

DTC

DS 311



SEATS
TOILETS
COMPARTMENTS
GUARDS COMPARTMENTS
VENTILATION
CATERING EQUIPMENT

12 FIRST CLASS 53 SECOND CLASS
1
-
-
-

ORIGINAL DIAGRAMS FOR REFERENCE.-
BR 646

ISSUE 2 DATE MAY '81

DS 311

BRAKES
BOGIE/SUSPENSION
BODY CONSTRUCTION
COUPLINGS
TRAIN HEATING
MAX. SPEED M.P.H.
MIN. RAD. CURVE CHAINS
LIGHTING
TARE WEIGHT TONNES
GANGWAYS
A.V.S.
MULTIPLE WORKING CODE SYMBOL
BUFFERS

BASIC TYPE

VACUUM
DT8 MK 1 & MK 3 (ONE OF EACH)
STEEL UNDERFRAME & BODY FRAMING-ALUMINIUM BODY & ROOF
SCREW
OIL BURNING AIR HEATER
70
3.5
TUNGSTEN
22.5
BRITISH STANDARD-MIDLAND SCISSORS TYPE
FITTED
BLUE SQUARE
SELF CONTAINED-457 DIA.

ALTERNATIVES

FLUORESCENT & TUNGSTEN

TRACTION DATA FOR MULTIPLE UNITS

DDMU-BUILDER

BR DERBY-LIGHTWEIGHT

BASIC TYPE

DS 311 1A

VARIANTS

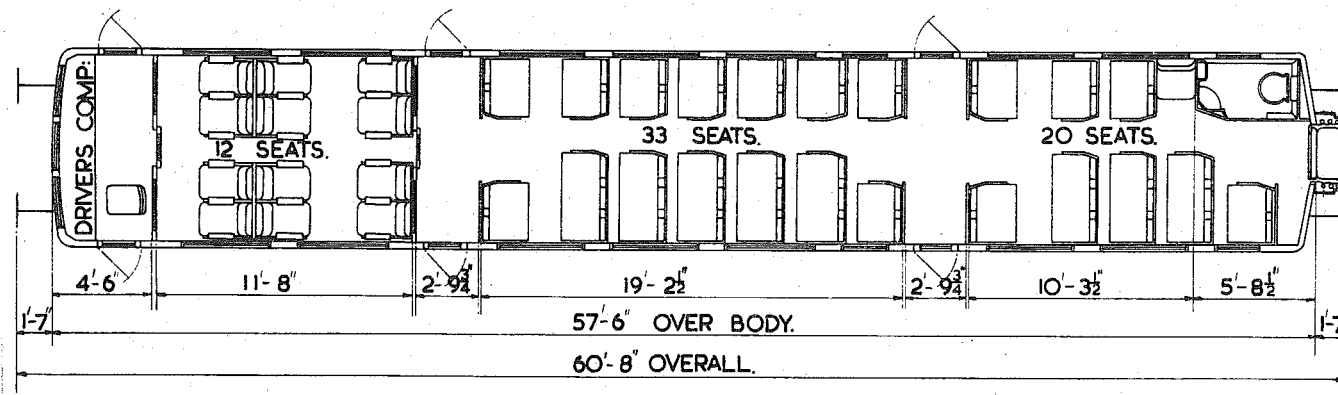
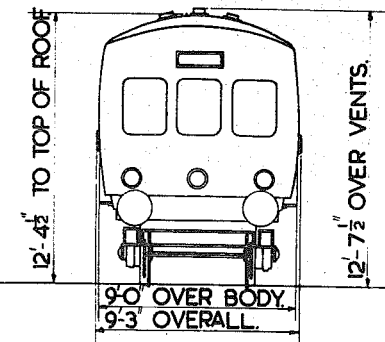
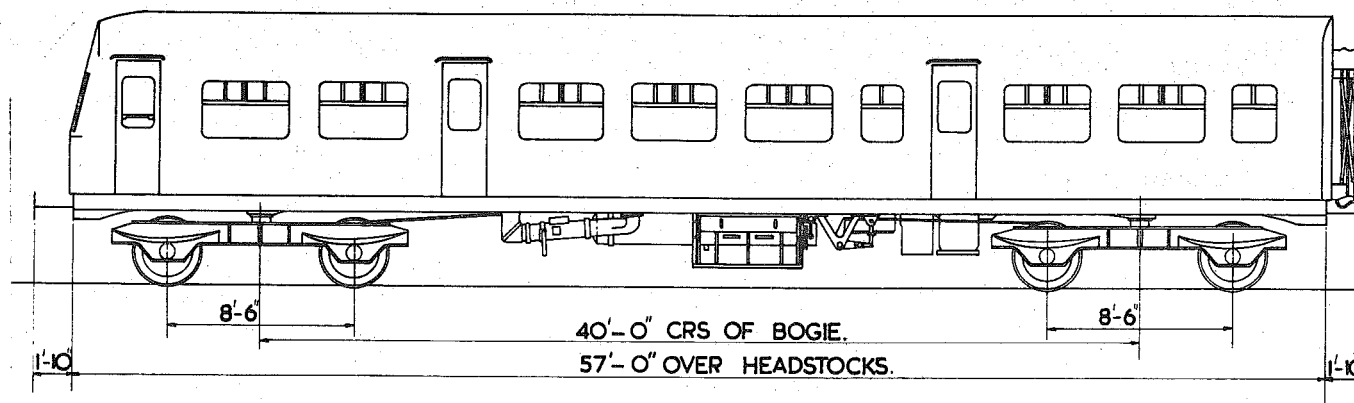
2B REFURBISHED-FLUORESCENT & TUNGSTEN LIGHTING.

DRIVING TRAILER COMPOSITE

CLASS 111

DTC

DS 312



SEATS	12 FIRST CLASS 53 SECOND CLASS
TOILETS	1
COMPARTMENTS	-
GUARDS COMPARTMENTS	-
VENTILATION	-
CATERING EQUIPMENT	-

ORIGINAL DIAGRAMS FOR REFERENCE:-
BR 628

ISSUE 3
DATE DEC 85

DS 312

BRAKES
BOGIE/SUSPENSION
BODY CONSTRUCTION
COUPLINGS
TRAIN HEATING
MAX.SPEED M.P.H.
MIN.RAD.CURVE CHAINS
LIGHTING
TARE WEIGHT TONNES
GANGWAYS
A.W.S.
MULTIPLE WORKING CODE SYMBOL
BUFFERS

BASIC TYPE

VACUUM
DT11 MK 1
STEEL
SCREW
OIL BURNING AIR HEATER
70
3.5
FLUORESCENT & TUNGSTEN
25.5
BRITISH STANDARD-MIDLAND SCISSORS TYPE
FITTED
BLUE SQUARE
SELF CONTAINED-457 DIA.

ALTERNATIVES

TRACTION DATA FOR MULTIPLE UNITS

DMMJ-BUILDER METROPOLITAN CAMELL

BASIC TYPE

DS 312 1B-REFURBISHED

VARIANTS

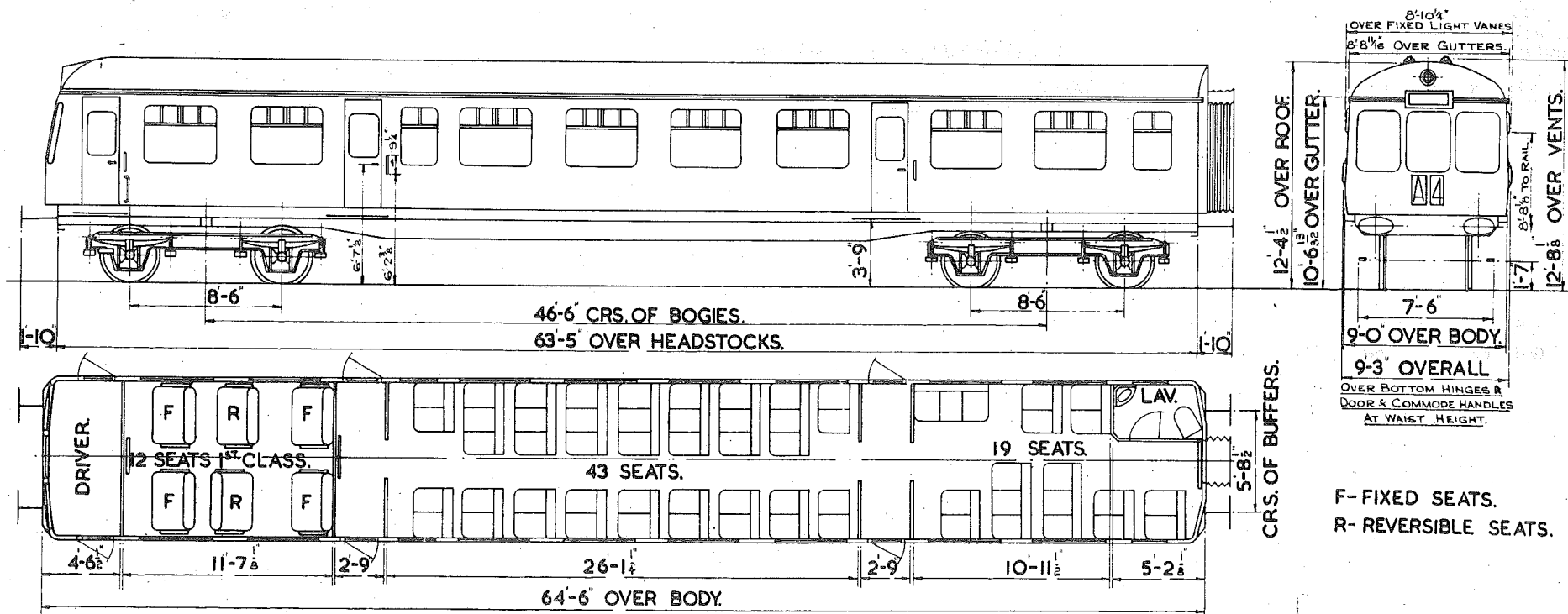
NONE

DRIVING TRAILER COMPOSITE

CLASS 114

DTC

DS 313



F- FIXED SEATS.
R- REVERSIBLE SEATS.

SEATS 12 FIRST CLASS 42 SECOND CLASS
TOILETS 1
COMPARTMENTS -
GUARDS COMPARTMENTS -
VENTILATION -
CATERING EQUIPMENT -

ORIGINAL DIAGRAMS FOR REFERENCE.-
BR 641

ISSUE 2 DATE MAY '81

DS 313

BRAKES
BOGIE/SUSPENSION
BODY CONSTRUCTION
COUPLINGS
TRAIN HEATING
MAX. SPEED M.P.H.
MIN. RAD. CURVE CHAINS
LIGHTING
TARE WEIGHT TONNES
GANGWAYS
A.V.S.
MULTIPLE WORKING CODE SYMBOL
BUFFERS

BASIC TYPE

VACUUM
DT9a MK 1 & MK 2 (ONE OF EACH)
STEEL
SCREW
OIL BURNING AIR HEATER
70
3.5
TUNGSTEN
30
BRITISH STANDARD-MIDLAND SCISSORS TYPE
NOT FITTED
BLUE SQUARE
SELF CONTAINED-559 DIA. OR 559 OVAL

ALTERNATIVES

FLUORESCENT & TUNGSTEN

FITTED

TRACTION DATA FOR MULTIPLE UNITS

DMMU-BUILDER BR DERBY

BASIC TYPE

DS 313 0A

VARIANTS

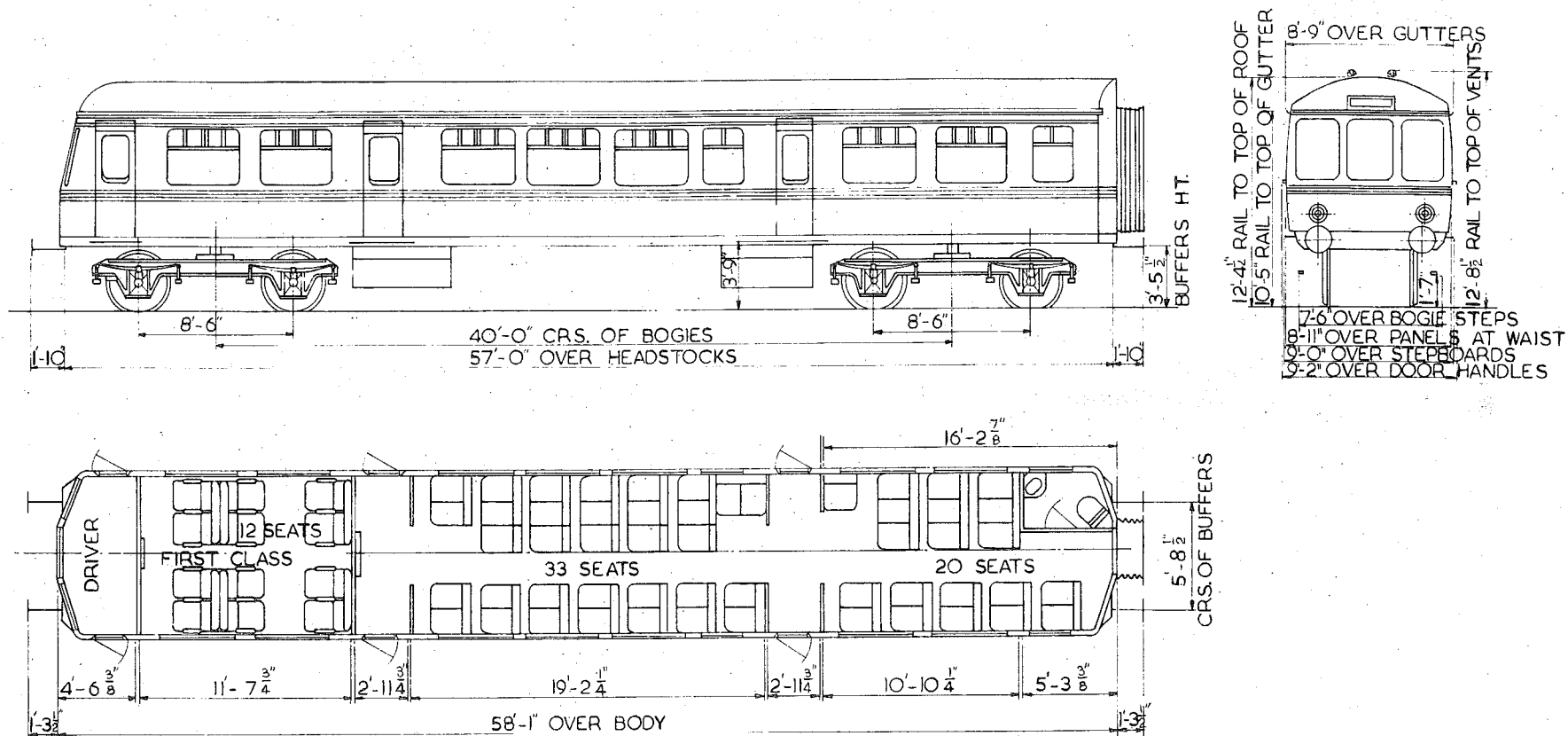
- 1A A.V.S. FITTED.
- 2B REFURBISHED-FLUORESCENT & TUNGSTEN LIGHTING.
- 3B REFURBISHED-FLUORESCENT & TUNGSTEN LIGHTING, A.V.S. FITTED.

DRIVING TRAILER COMPOSITE

CLASS 108

DTC

DS 314



SEATS
TOILETS
COMPARTMENTS
GUARDS COMPARTMENTS
VENTILATION
CATERING EQUIPMENT

12 FIRST CLASS 53 SECOND CLASS

1
-
-
-
-

ORIGINAL DIAGRAMS FOR REFERENCE.-
BR 640A

ISSUE
2

DATE
MAY '81

DS 314

BRAKES
BOGIE/SUSPENSION
BODY CONSTRUCTION
COUPLINGS
TRAIN HEATING
MAX. SPEED M.P.H.
MIN. RAD. CURVE CHAINS
LIGHTING
TARE WEIGHT TONNES
GANGWAYS
A.V.S.
MULTIPLE WORKING CODE SYMBOL
BUFFERS

BASIC TYPE

VACUUM
DT8 MK 1 & MK 3 (ONE OF EACH)
STEEL UNDERFRAME & BODY FRAMING-ALUMINIUM BODY & ROOF
SCREW
OIL BURNING AIR HEATER
70
3.5
FLUORESCENT & TUNGSTEN
21.5
BRITISH STANDARD-MIDLAND SCISSORS TYPE
FITTED
BLUE SQUARE
SELF CONTAINED-457 DIA.

ALTERNATIVES

TRACTION DATA FOR MULTIPLE UNITS

DMMU-BUILDER BR DERBY-LIGHTWEIGHT

BASIC TYPE

DS 314 OA-REFURBISHED

VARIANTS

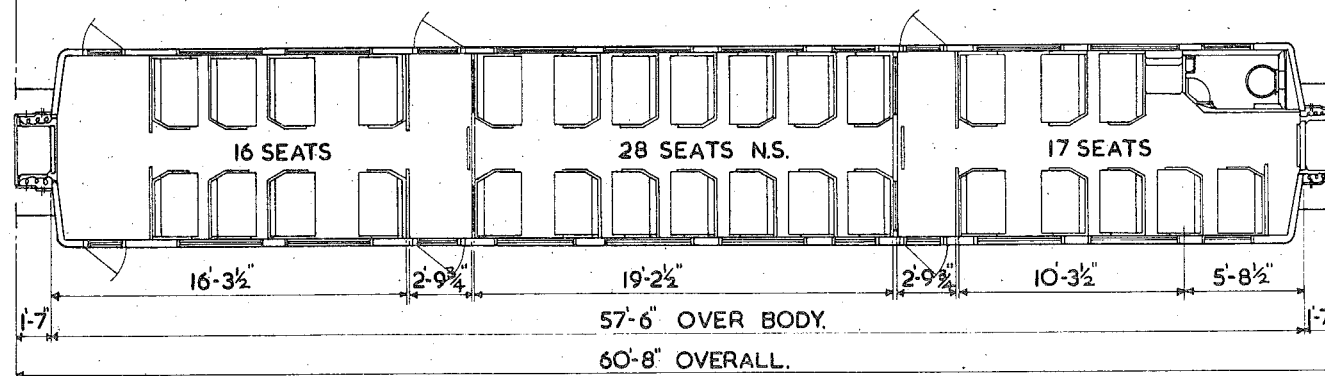
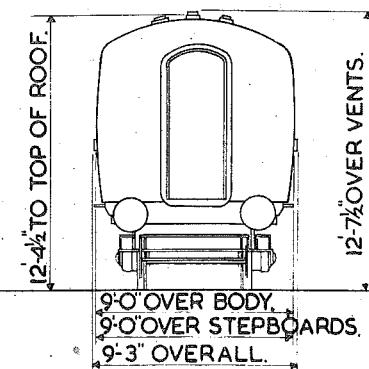
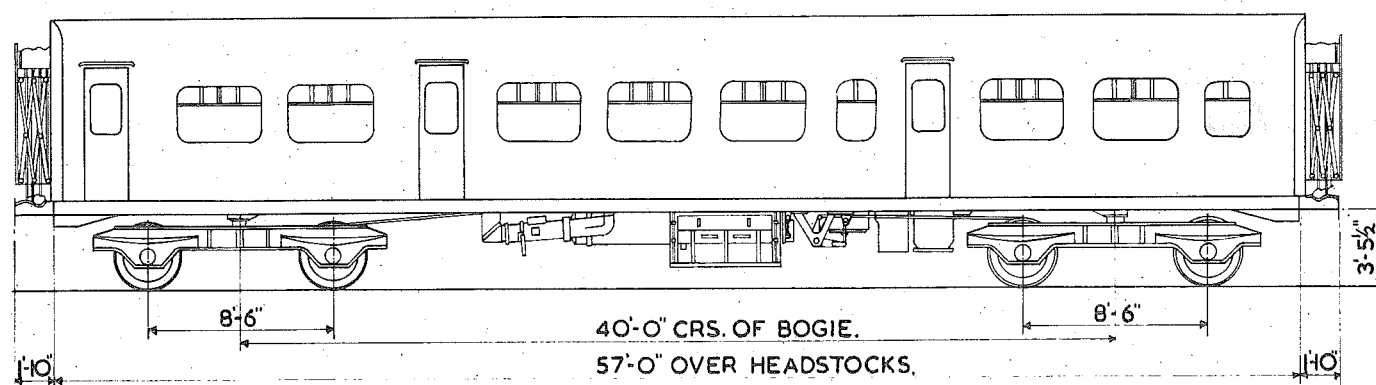
NONE

TRAILER SECOND

CLASS 101

TS

DT 201



N.S. - NON SMOKING.

SEATS	61
TOILETS	1
COMPARTMENTS	---
GUARDS COMPARTMENTS	---
VENTILATION	---
CATERING EQUIPMENT	---

ORIGINAL DIAGRAMS FOR REFERENCE,
BR 622

ISSUE 2 DATE MAY '81

DT 201

BRAKES
BOGIE/SUSPENSION
BODY CONSTRUCTION
COUPLINGS
TRAIN HEATING
MAX. SPEED M.P.H.
MIN. RAD. CURVE CHAINS
LIGHTING
TARE WEIGHT TONNES
GANGWAYS
MULTIPLE WORKING CODE SYMBOL
BUFFERS

BASIC TYPE

VACUUM
DT11 MK 1
STEEL
SCREW
OIL BURNING AIR HEATER
70
3.5
TUNGSTEN
25.5
BRITISH STANDARD-MIDLAND SCISSORS TYPE
BLUE SQUARE
SELF CONTAINED-457 DIA.

ALTERNATIVES

FLUORESCENT & TUNGSTEN

TRACTION DATA FOR MULTIPLE UNITS

DMMU-BUILDER METROPOLITAN CAMELL

BASIC TYPE

DT 201 0A

VARIANTS

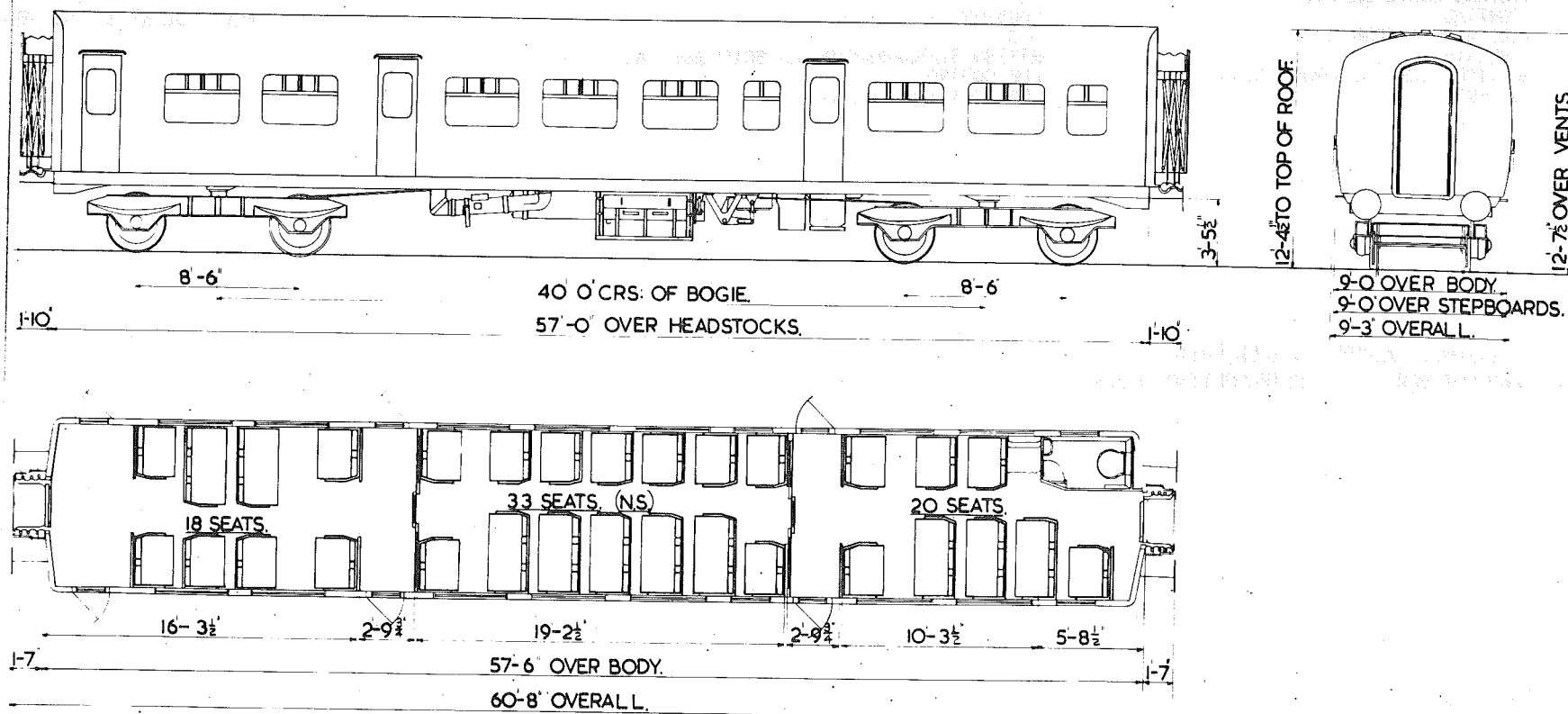
1B REFURBISHED-FLUORESCENT & TUNGSTEN LIGHTING.

TRAILER SECOND

CLASS 101

TS

DT 202



SEATS	71
TOILETS	1
COMPARTMENTS	-
GUARDS COMPARTMENTS	-
VENTILATION	-
CATERING EQUIPMENT	-

ORIGINAL DIAGRAMS FOR REFERENCE.-
BR 623

ISSUE 3 DATE AUG '82

DT 202

BRAKES
BOGIE/SUSPENSION
BODY CONSTRUCTION
COUPLINGS
TRAIN HEATING
MAX. SPEED M.P.H.
MIN. RAD. CURVE CHAINS
LIGHTING
TARE WEIGHT TONNES
GANGWAYS
MULTIPLE WORKING CODE SYMBOL
BUFFERS

BASIC TYPE

VACUUM
DT11 MK 1
STEEL
SCREW
OIL BURNING AIR HEATER
70
3.5
TUNGSTEN
25.5
BRITISH STANDARD-MIDLAND SCISSORS TYPE
BLUE SQUARE
SELF CONTAINED-457 DIA.

ALTERNATIVES

FLUORESCENT & TUNGSTEN

TRACTION DATA FOR MULTIPLE UNITS

DMMU-BUILDER METROPOLITAN CAMELL

BASIC TYPE

DT 202 0A

VARIANTS

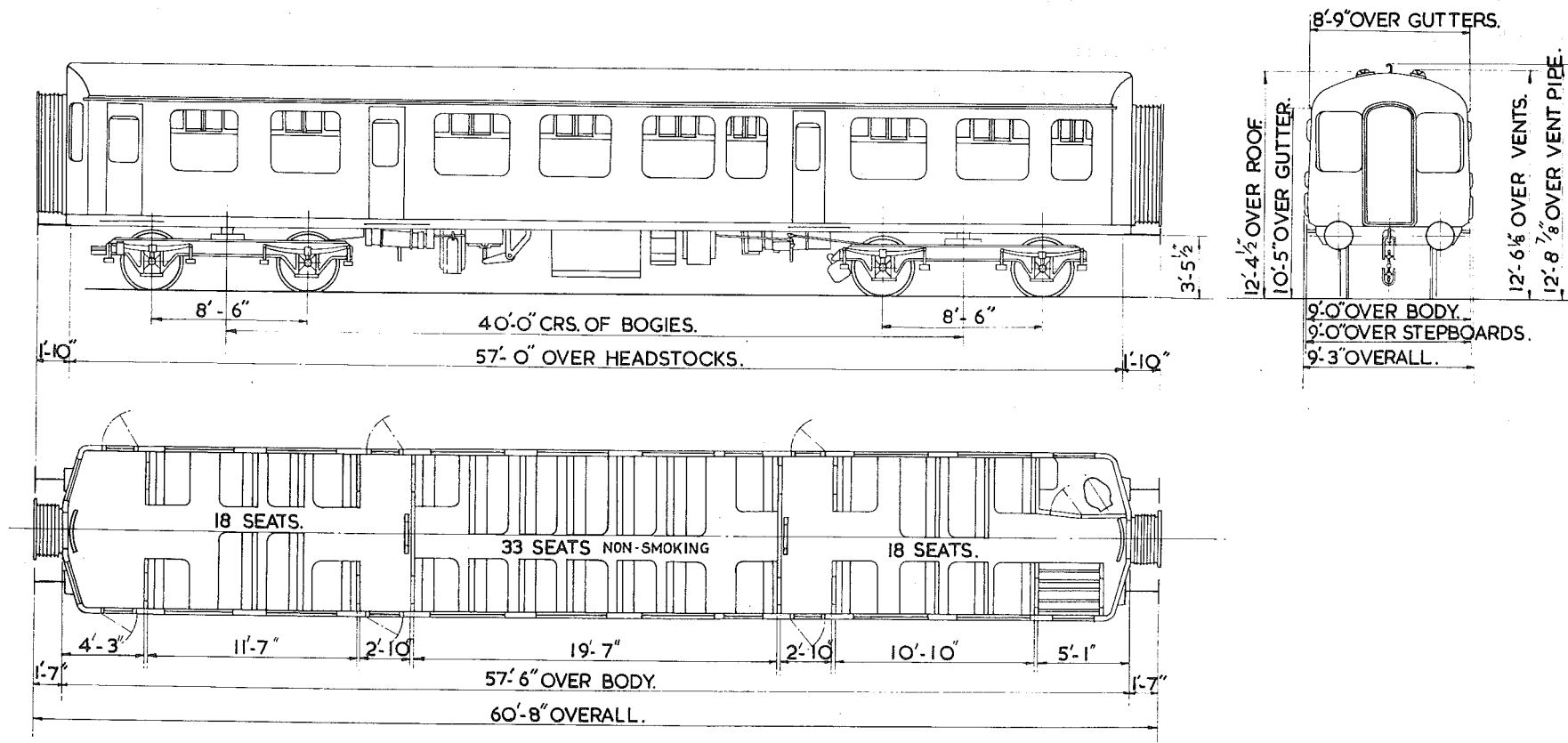
1B REFURBISHED-FLUORESCENT & TUNGSTEN LIGHTING.

TRAILER SECOND

CLASS 104

TS

DT 203



SEATS	69
TOILETS	1
COMPARTMENTS	-
GUARDS COMPARTMENTS	-
VENTILATION	-
CATERING EQUIPMENT	-

ORIGINAL DIAGRAMS FOR REFERENCE:-
BR 583

ISSUE DATE
3 JAN 84

DT 203

BRAKES
BOGIE/SUSPENSION
BODY CONSTRUCTION
COUPLINGS
TRAIN HEATING
MAX.SPEED M.P.H.
MIN.RAD.CURVE CHAINS
LIGHTING
TARE WEIGHT TONNES
GANGWAYS
MULTIPLE WORKING CODE SYMBOL
BUFFERS

BASIC TYPE

VACUUM
DT10 MK 1 & MK 2(ONE OF EACH)
STEEL
SCREW
OIL BURNING AIR HEATER
70
3.5
TUNGSTEN
24.5
BRITISH STANDARD-MIDLAND SCISSORS TYPE
BLUE SQUARE
SELF CONTAINED-457 DIA.

ALTERNATIVES

TRACTION DATA FOR MULTIPLE UNITS

DMMU-BUILDER BIRMINGHAM RAILWAY CARRIAGE & WAGON CO.LTD.

BASIC TYPE

DT 203 0A

VARIANTS

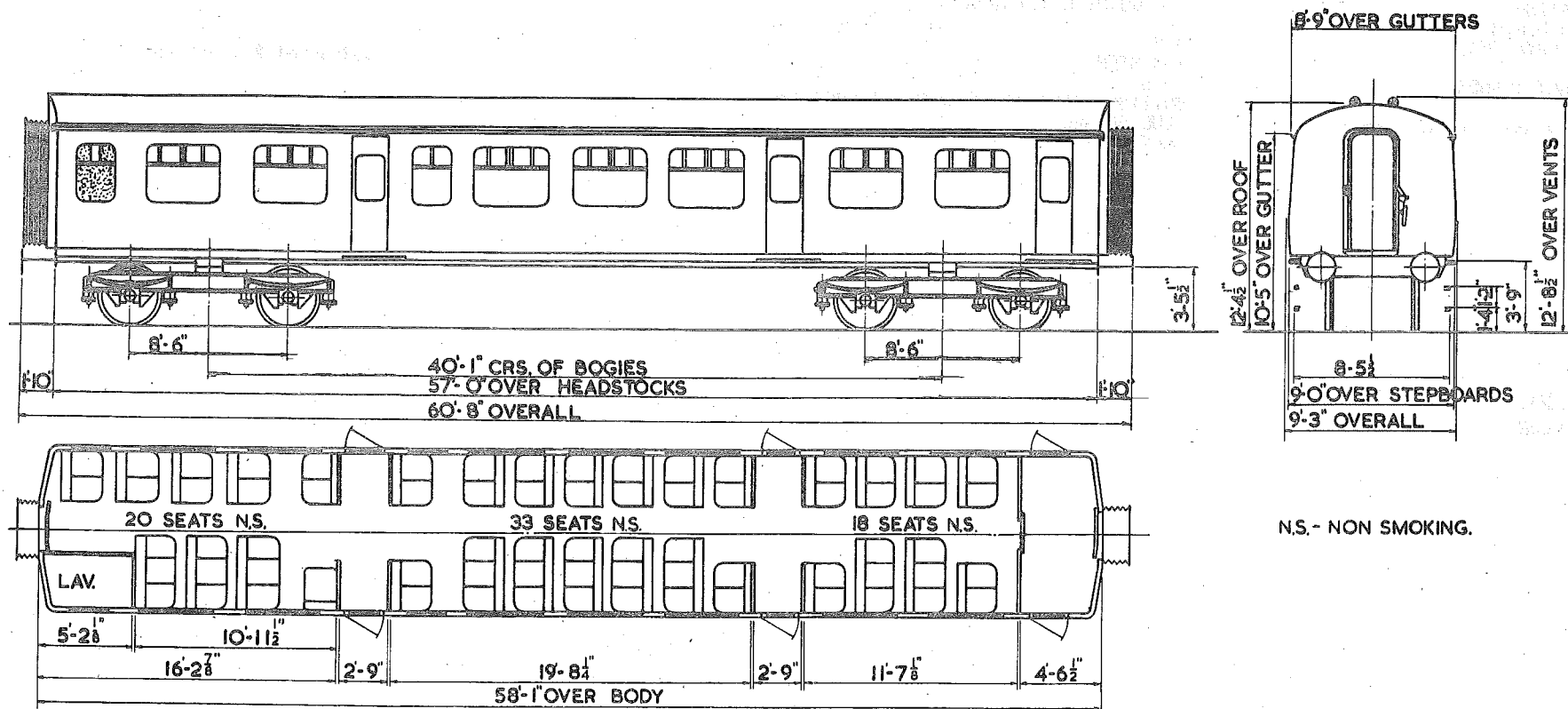
NONE

TRAILER SECOND

CLASS 107

TS

DT 204



N.S. - NON SMOKING.

SEATS	71
TOILETS	1
COMPARTMENTS	-
GUARDS COMPARTMENTS	-
VENTILATION	-
CATERING EQUIPMENT	-

ORIGINAL DIAGRAMS FOR REFERENCE. -
BR 647

ISSUE 2
DATE MAY '81

DT 204

BRAKES
BOGIE/SUSPENSION
BODY CONSTRUCTION
COUPLINGS
TRAIN HEATING
MAX. SPEED M.P.H.
MIN. RAD. CURVE CHAINS
LIGHTING
TARE WEIGHT TONNES
GANGWAYS
MULTIPLE WORKING CODE SYMBOL
BUFFERS

BASIC TYPE

VACUUM
DT9 MK 13 & MK 14 (ONE OF EACH)
STEEL
SCREW
OIL BURNING AIR HEATER
70
3.5
TUNGSTEN
28.5
BRITISH STANDARD-MIDLAND SCISSORS TYPE
BLUE SQUARE
SELF CONTAINED-457 DIA.

ALTERNATIVES

FLUORESCENT & TUNGSTEN

TRACTION DATA FOR MULTIPLE UNITS

DMMU-BUILDER BR DERBY

BASIC TYPE

DT 204 0A

VARIANTS

1B REFURBISHED-FLUORESCENT & TUNGSTEN LIGHTING.

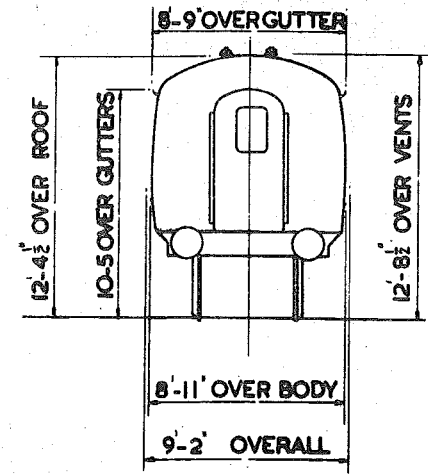
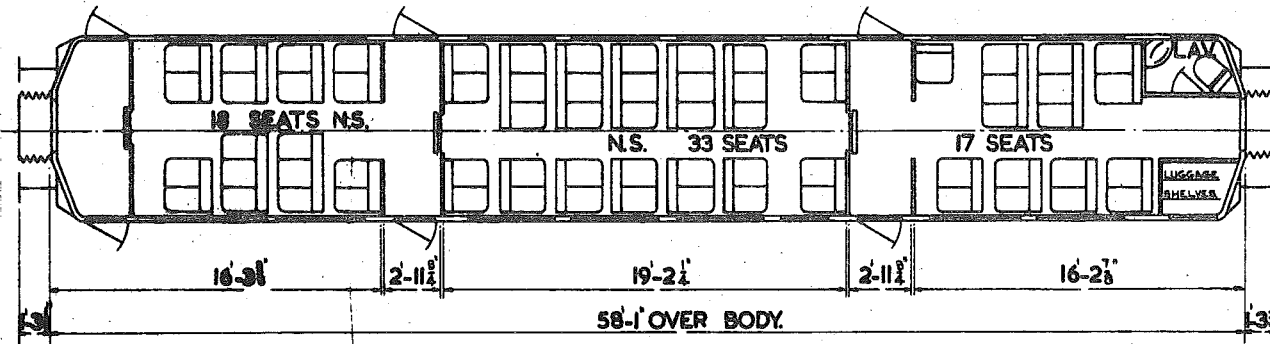
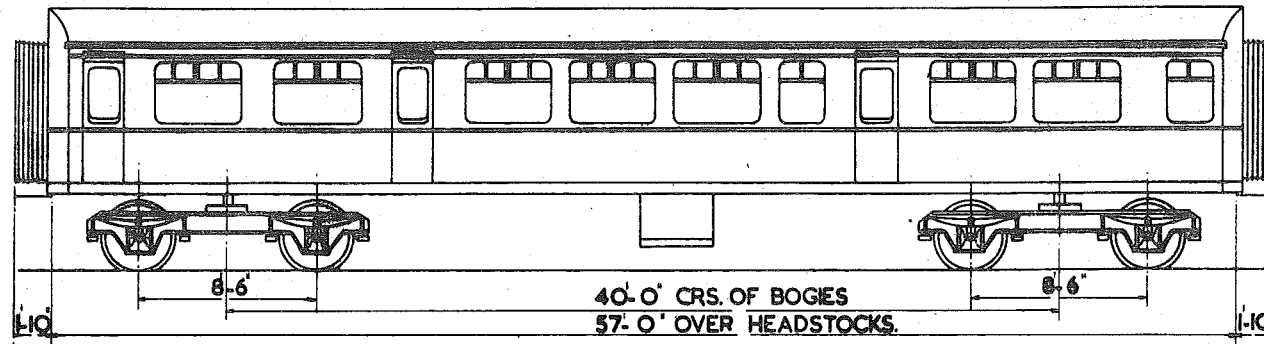
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1 FI 92
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1 GX 92
1 GY 92
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1 HC 92
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1 HE 92
1 HF 92
1 HG 92
1 HH 92
1 HI 92
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1 JE 92
1 JF 92
1 JG 92
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1 JI 92
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1 JT 92
1 JU 92
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1 JY 92
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1 KO 92
1 KP 92
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1 KR 92
1 KS 92
1 KT 92
1 KU 92
1 KV 92
1 KW 92
1 KX 92
1 KY 92
1 KZ 92
1 LA 92
1 LB 92
1 LC 92
1 LD 92
1 LE 92
1 LF 92
1 LG 92
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1 LS 92
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1 ZQ 92
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1 ZT 92
1 ZU 92
1 ZV 92
1 ZW 92
1 ZX 92
1 ZY 92
1 ZZ 92

TRAILER SECOND

CLASS 108

TS

DT 205



SEATS	68
TOILETS	1
COMPARTMENTS	-
GUARDS COMPARTMENTS	-
VENTILATION	-
CATERING EQUIPMENT	-

ORIGINAL DIAGRAMS FOR REFERENCE:-
BR 547

ISSUE 3
DATE DEC 85

DT 205

BRAKES
BOGIE/SUSPENSION
BODY CONSTRUCTION
COUPLINGS
TRAIN HEATING
MAX.SPEED M.P.H.
MIN.RAD.CURVE CHAINS
LIGHTING
TARE WEIGHT TONNES
GANGWAYS
MULTIPLE WORKING CODE SYMBOL
BUFFERS

BASIC TYPE

VACUUM
DT8 MK 1 & MK 3(ONE OF EACH)
STEEL UNDERFRAME & BODY FRAMING-ALUMINIUM BODY & ROOF
SCREW
OIL BURNING AIR HEATER
70
3.5
FLUORESCENT & TUNGSTEN
22.5
BRITISH STANDARD-MIDLAND SCISSORS TYPE
BLUE SQUARE
SELF CONTAINED-457 DIA.

ALTERNATIVES

TRACTION DATA FOR MULTIPLE UNITS

DMMU-BUILDER BR DERBY-LIGHTWEIGHT

BASIC TYPE

DT 205 1B-REFURBISHED

VARIANTS

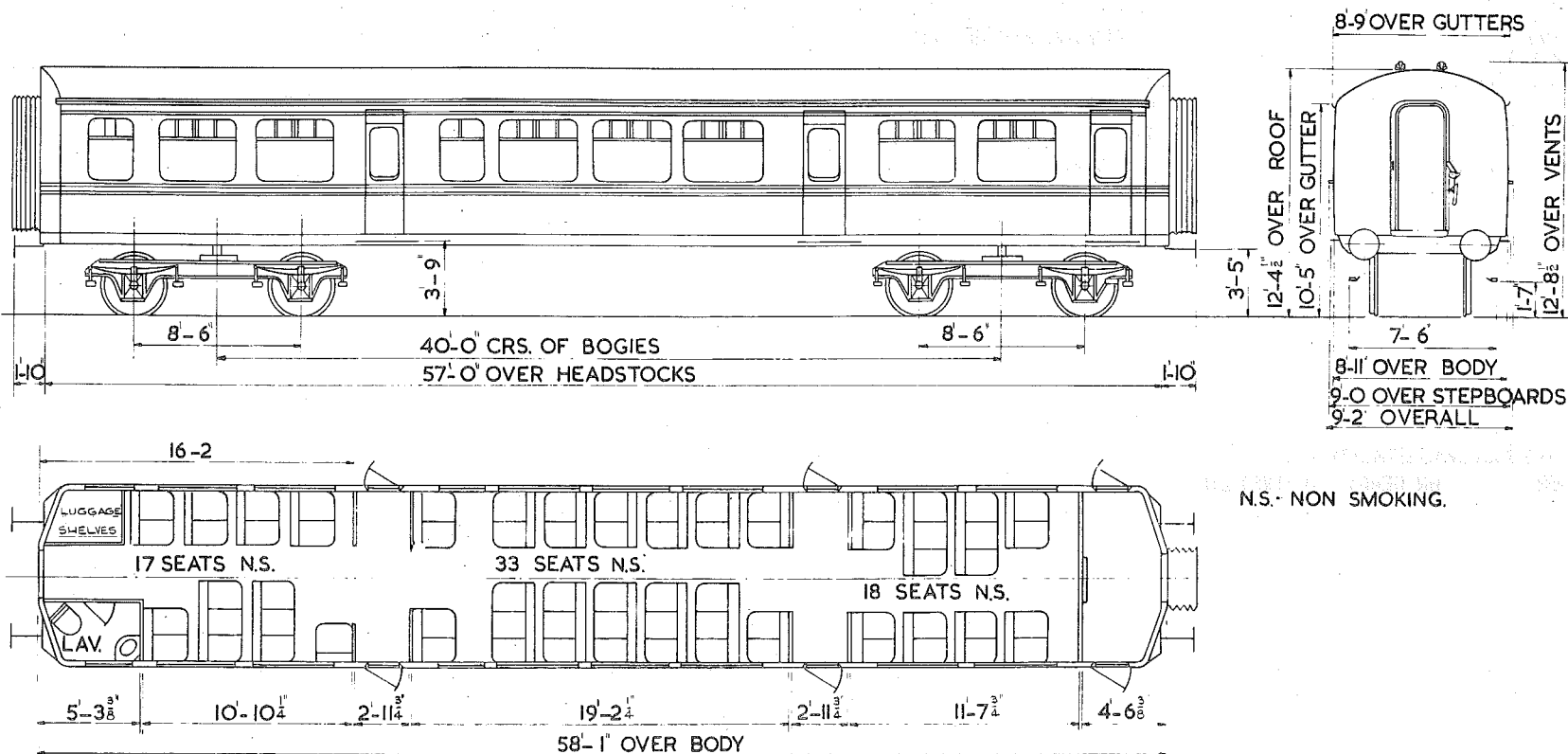
NONE

TRAILER SECOND

CLASS 108

TS

DT 206



N.S. - NON SMOKING.

SEATS	68
TOILETS	1
COMPARTMENTS	-
GUARDS COMPARTMENTS	-
VENTILATION	-
CATERING EQUIPMENT	-

ORIGINAL DIAGRAMS FOR REFERENCE.-
BR 545

ISSUE 2 DATE MAY '81

DT 206

BRAKES
BOGIE/SUSPENSION
BODY CONSTRUCTION
COUPLINGS
TRAIN HEATING
MAX. SPEED M.P.H.
MIN. RAD. CURVE CHAINS
LIGHTING
TARE WEIGHT TONNES
GANGWAYS
MULTIPLE WORKING CODE SYMBOL
BUFFERS

BASIC TYPE

VACUUM
DT8 MK 1 & MK 3 (ONE OF EACH)
STEEL UNDERFRAME & BODY FRAMING-ALUMINIUM BODY & ROOF
SCREW
OIL BURNING AIR HEATER
70
3.5
TUNGSTEN
23.5
BRITISH STANDARD-MIDLAND SCISSORS TYPE
BLUE SQUARE
SELF CONTAINED-457 DIA.

ALTERNATIVES

FLUORESCENT & TUNGSTEN

TRACTION DATA FOR MULTIPLE UNITS

DMMU-BUILDER

BR DERBY-LIGHTWEIGHT

BASIC TYPE

DT 206 0A

VARIANTS

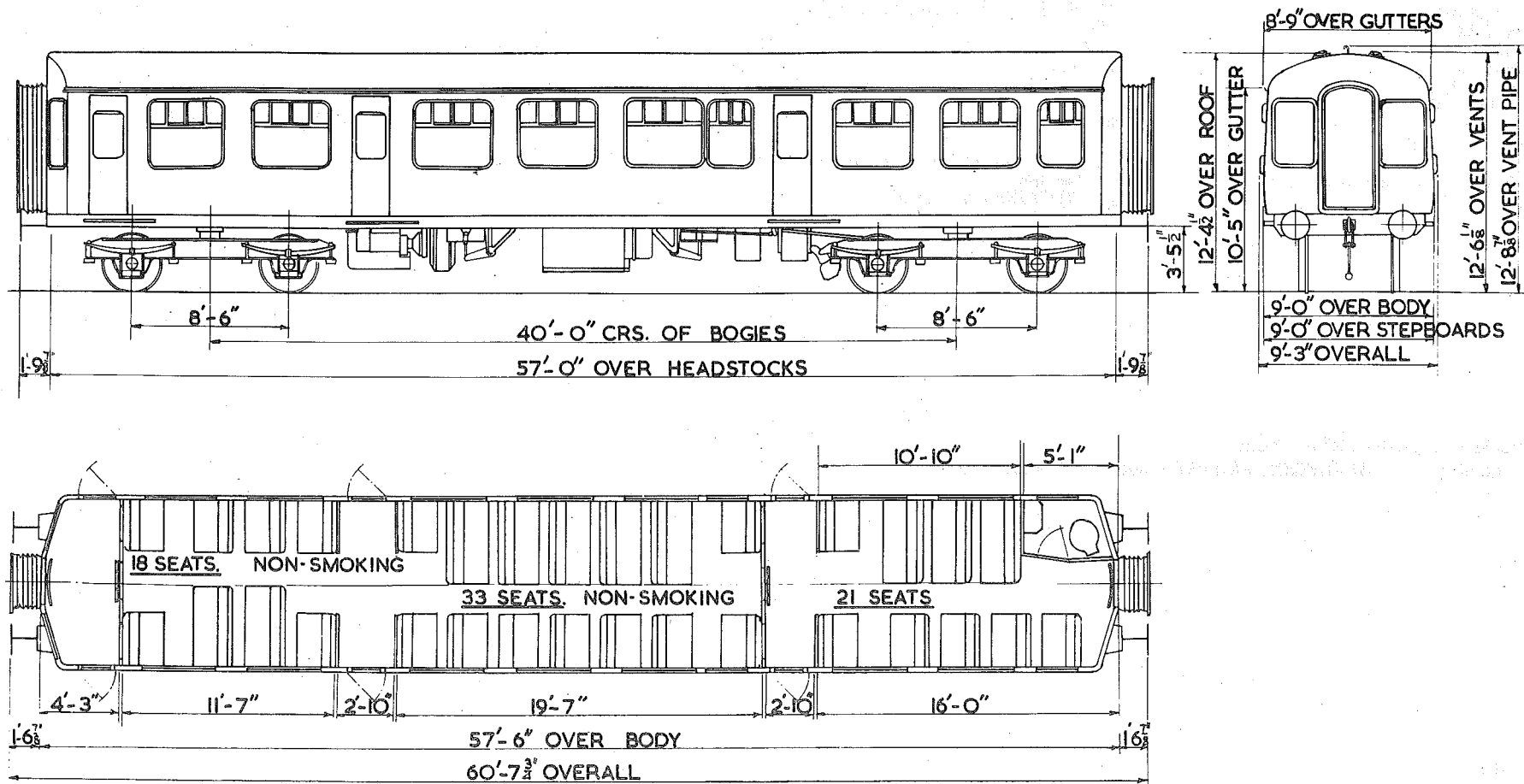
1B REFURBISHED-FLUORESCENT & TUNGSTEN LIGHTING.

TRAILER SECOND

CLASS 110

TS

DT 207



SEATS	72
TOILETS	1
COMPARTMENTS	-
GUARDS COMPARTMENTS	-
VENTILATION	-
CATERING EQUIPMENT	-

ORIGINAL DIAGRAMS FOR REFERENCE.-
BR 648

ISSUE 2
DATE MAY '81

DT 207

BASIC TYPE

BRAKES
BOGIE/SUSPENSION
BODY CONSTRUCTION
COUPLINGS
TRAIN HEATING
MAX.SPEED M.P.H.
MIN.RAD.CURVE CHAINS
LIGHTING
TARE WEIGHT TONNES
GANGWAYS
MULTIPLE WORKING CODE SYMBOL
BUFFERS

VACUUM
DT10 MK 3- & MK 4 (ONE OF EACH)
STEEL
SCREW
OIL BURNING AIR HEATER
70
3.5
TUNGSTEN
24.5
BRITISH STANDARD-MIDLAND SCISSORS TYPE
BLUE SQUARE
SELF CONTAINED-457 DIA.

ALTERNATIVES

FLUORESCENT & TUNGSTEN

TRACTION DATA FOR MULTIPLE UNITS

DMMU-BUILDER BIRMINGHAM RAILWAY CARRIAGE & WAGON CO.LTD.

BASIC TYPE

DT 207 0A

VARIANTS

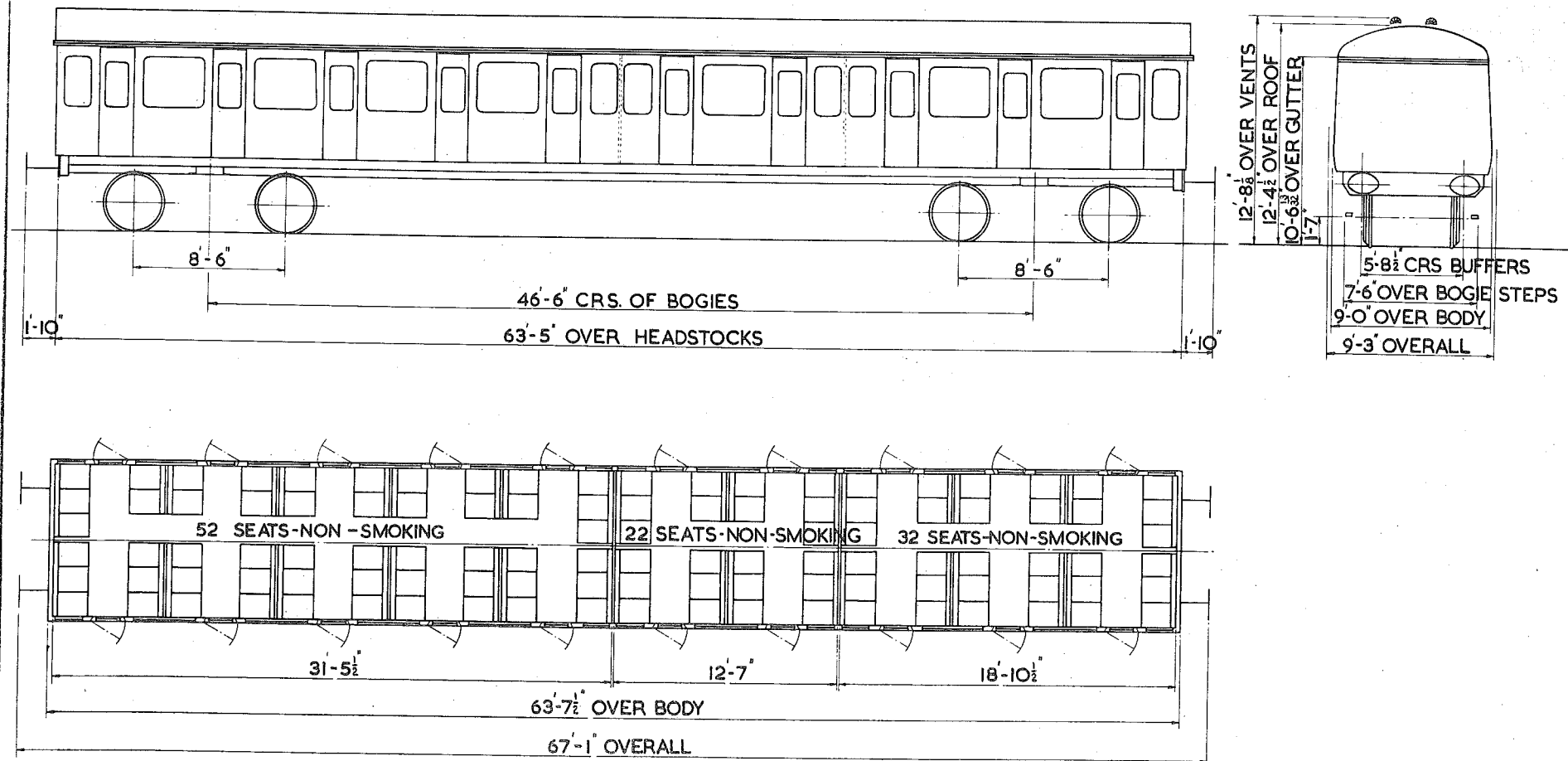
1B REFURBISHED-FLUORESCENT & TUNGSTEN LIGHTING.

TRAILER SECOND

CLASS 115
127

TS

DT 208



SEATS	106
TOILETS	-
COMPARTMENTS	-
GUARDS COMPARTMENTS	-
VENTILATION	-
CATERING EQUIPMENT	-

ORIGINAL DIAGRAMS FOR REFERENCE.--
BR 590

ISSUE 2 DATE MAY 81

DT 208

BASIC TYPE

BRAKES
BOGIE/SUSPENSION
BODY CONSTRUCTION
COUPLINGS
TRAIN HEATING
MAX. SPEED M.P.H.
MIN. RAD. CURVE CHAINS
LIGHTING
TARE WEIGHT TONNES
GANGWAYS
MULTIPLE WORKING CODE SYMBOL
BUFFERS

VACUUM
DT9 MK 10 & MK 11 (ONE OF EACH)
STEEL
SCREW
OIL BURNING AIR HEATER
70
3.5
TUNGSTEN
29.5
NOT FITTED
RED TRIANGLE
SELF CONTAINED-559 DIA. OR 559 OVAL

ALTERNATIVES

DT9 MK 10 & MK 12 (ONE OF EACH)

FLUORESCENT

BLUE SQUARE

TRACTION DATA FOR MULTIPLE UNITS

DMMU-BUILDER BR DERBY

BASIC TYPE

DT 208 0A-CLASS 127

VARIANTS

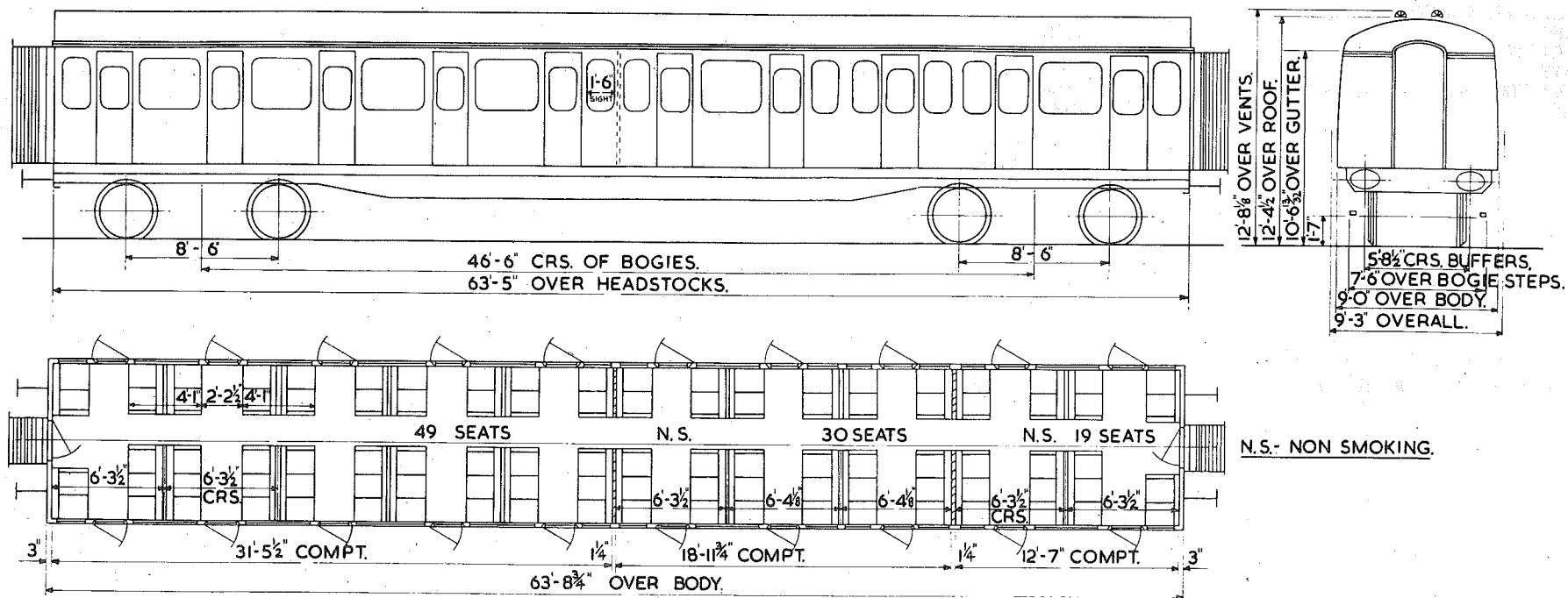
0B CLASS 115-DT9 MK 10 & MK 12 BOGIES (ONE OF EACH).
1C CLASS 115-REFURBISHED-FLUORESCENT LIGHTING, BLUE SQUARE SYMBOL, DT9 MK 10 & MK 12 BOGIES (ONE OF EACH).
1D CLASS 127-REFURBISHED-FLUORESCENT LIGHTING, BLUE SQUARE SYMBOL.

TRAILER SECOND

CLASS 116

TS

DT 209



N.S.- NON SMOKING.

SEATS 98
TOILETS -
COMPARTMENTS -
GUARDS COMPARTMENTS -
VENTILATION -
CATERING EQUIPMENT -

ORIGINAL DIAGRAMS FOR REFERENCE.-
BR 8568

ISSUE 2 DATE MAY '81

DT 209

BRAKES
BOGIE/SUSPENSION
BODY CONSTRUCTION
COUPLINGS
TRAIN HEATING
MAX. SPEED M.P.H.
MIN. RAD. CURVE CHAINS
LIGHTING
TARE WEIGHT TONNES
GANGWAYS
MULTIPLE WORKING CODE SYMBOL
BUFFERS

BASIC TYPE

VACUUM
DD9b MK 1 & MK 2 (ONE OF EACH)
STEEL
SCREW
OIL BURNING AIR HEATER
70
3.5
FLUORESCENT
29.5
BRITISH STANDARD-V.R. SUSPENSION TYPE
BLUE SQUARE
SELF CONTAINED-559 DIA. OR 559 OVAL

ALTERNATIVES

TRACTION DATA FOR MULTIPLE UNITS

DMMU-BUILDER BR DERBY

BASIC TYPE

DT 209 1B-REFURBISHED

VARIANTS

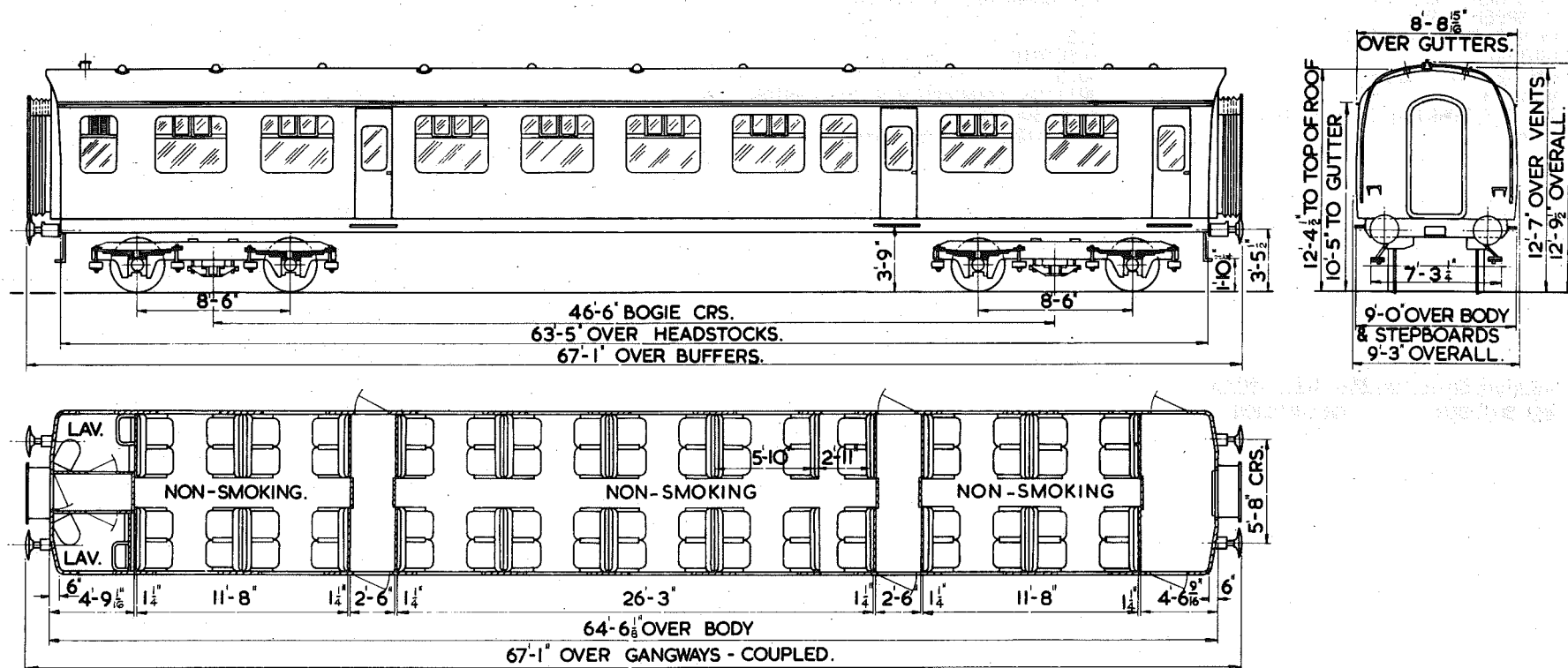
NONE

TRAILER SECOND

CLASS 120

TS

DT 210



SEATS	68
TOILETS	2
COMPARTMENTS	-
GUARDS COMPARTMENTS	-
VENTILATION	-
CATERING EQUIPMENT	-

ORIGINAL DIAGRAMS FOR REFERENCE.-
BR 572

ISSUE 1
DATE SEP' 80

DT 210

BRAKES
BOGIE/SUSPENSION
BODY CONSTRUCTION
COUPLINGS
TRAIN HEATING
MAX.SPEED M.P.H.
MIN.RAD.CURVE CHAINS
LIGHTING
TARE WEIGHT TONNES
GANGWAYS
MULTIPLE WORKING CODE SYMBOL
BUFFERS

BASIC TYPE

VACUUM
DT3 MK 1 & MK 2 (ONE OF EACH)
STEEL
SCREW
OIL BURNING AIR HEATER
70
3.5
ELECTRIC
30.5
BRITISH STANDARD-V.R.SUSPENSION TYPE
BLUE SQUARE
SELF CONTAINED-559 OVAL

ALTERNATIVES

TRACTION DATA FOR MULTIPLE UNITS

DMMU-BUILDER

BR SWINDON

BASIC TYPE

DT 210 0A

VARIANTS

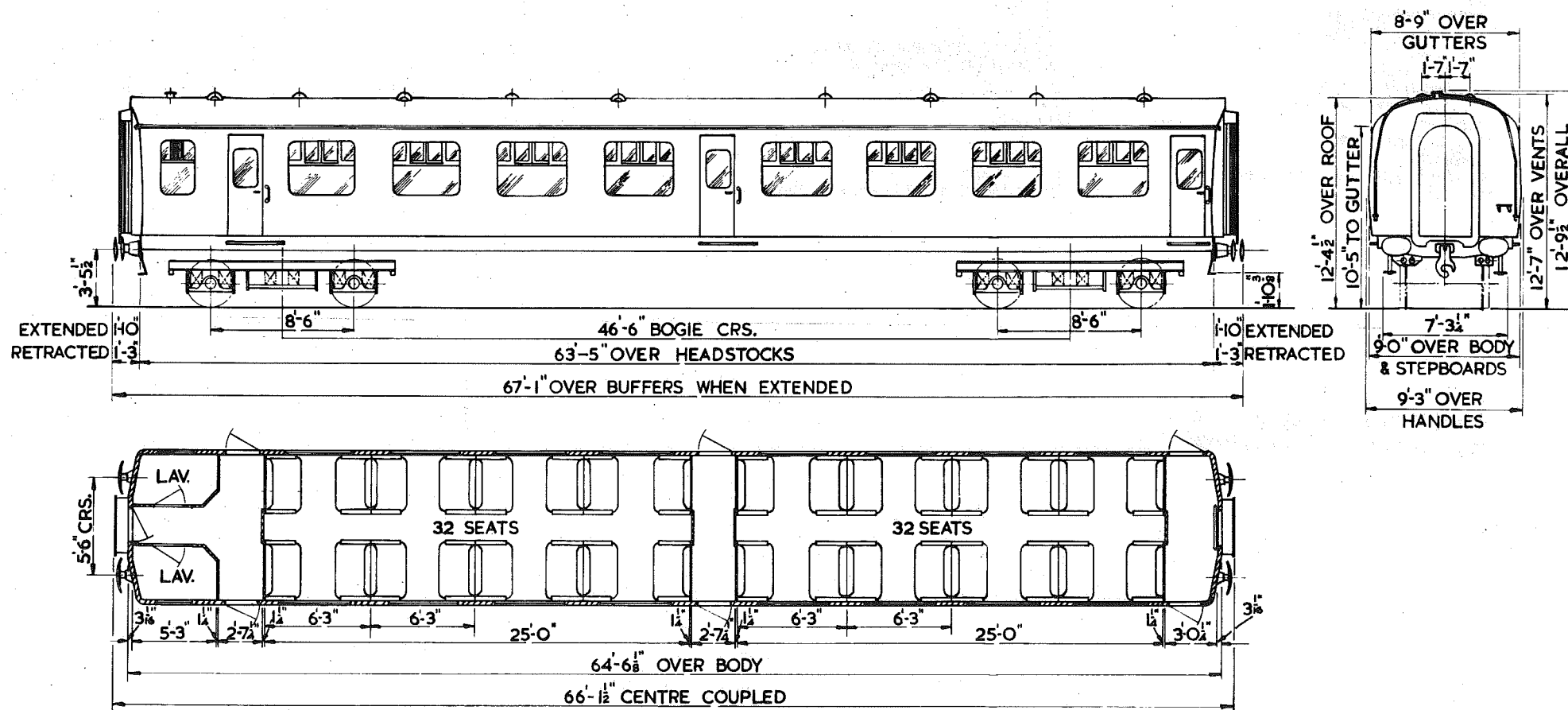
NONE

TRAILER SECOND

CLASS 123

TS

DT 211



SEATS	64
TOILETS	2
COMPARTMENTS	-
GUARDS COMPARTMENTS	-
VENTILATION	-
CATERING EQUIPMENT	-

ORIGINAL DIAGRAMS FOR REFERENCE.-
BR 568

ISSUE 1 DATE SEP' 80

DT 211

BRAKES
BOGIE/SUSPENSION
BODY CONSTRUCTION
COUPLINGS
TRAIN HEATING
MAX.SPEED M.P.H.
MIN.RAD.CURVE CHAINS
LIGHTING
TARE WEIGHT TONNES
GANGWAYS
MULTIPLE WORKING CODE SYMBOL
BUFFERS

BASIC TYPE

VACUUM
DT13
STEEL
AUTOMATIC DROPHEAD (BUCKEYE)
OIL BURNING AIR HEATER
70
3.5
ELECTRIC
32
PULLMAN
BLUE SQUARE
RETRACTABLE SPINDLE-559 X 356 OVAL

ALTERNATIVES

TRACTION DATA FOR MULTIPLE UNITS

DMMU-BUILDER BR SWINDON

BASIC TYPE

DT 211 0A

VARIANTS

NONE



ISSUE 2 DATE AUG 81

DT 212

BRAKES
BOGIE/SUSPENSION
BODY CONSTRUCTION
COUPLINGS
TRAIN HEATING
MAX. SPEED M.P.H.
MIN. RAD. CURVE CHAINS
LIGHTING
TARE WEIGHT TONNES
GANGWAYS
MULTIPLE WORKING CODE SYMBOL
BUFFERS

BASIC TYPE

VACUUM
DT4 MK 1 & MK 2 (ONE OF EACH)
STEEL
AUTOMATIC DROPHEAD (BUCKEYE)
OIL BURNING AIR HEATER
70
3.5
TUNGSTEN
32.5
PULLMAN
BLUE SQUARE
RETRACTABLE SPINDLE-559 X 356 OVAL

ALTERNATIVES

TRACTION DATA FOR MULTIPLE UNITS

DMMU-BUILDER BR SWINDON

BASIC TYPE

DT 212 0A

VARIANTS

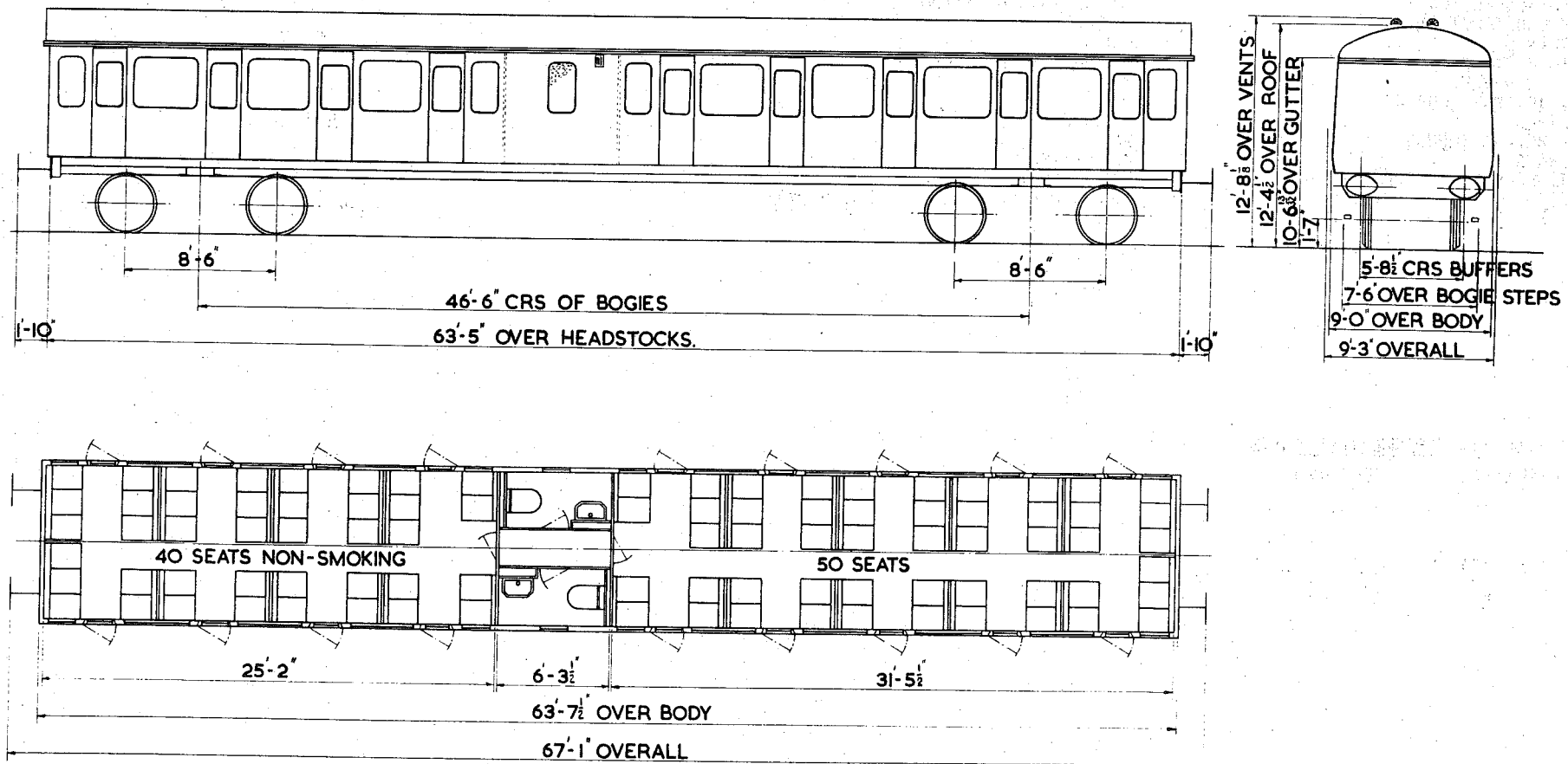
NONE

TRAILER SECOND

CLASS 127

TS

DT 214



SEATS	90
TOILETS	2
COMPARTMENTS	-
GUARDS COMPARTMENTS	-
VENTILATION	-
CATERING EQUIPMENT	-

ORIGINAL DIAGRAMS FOR REFERENCE:-
BR 589

ISSUE 3 DATE AUG 83

DT 214

BRAKES
BOGIE/SUSPENSION
BODY CONSTRUCTION
COUPLINGS
TRAIN HEATING
MAX.SPEED M.P.H.
MIN.RAD.CURVE CHAINS
LIGHTING
TARE WEIGHT TONNES
GANGWAYS
MULTIPLE WORKING CODE SYMBOL
BUFFERS

BASIC TYPE

VACUUM
DT9 MK 10 & MK 11(ONE OF EACH)
STEEL
SCREW
OIL BURNING AIR HEATER
70
3.5
TUNGSTEN
30.5
NOT FITTED
RED TRIANGLE
SELF CONTAINED-559 DIA.OR 559 OVAL

ALTERNATIVES

FLUORESCENT

TRACTION DATA FOR MULTIPLE UNITS

DMU-BUILDER BR DERBY

BASIC TYPE

DT 214 OA

VARIANTS

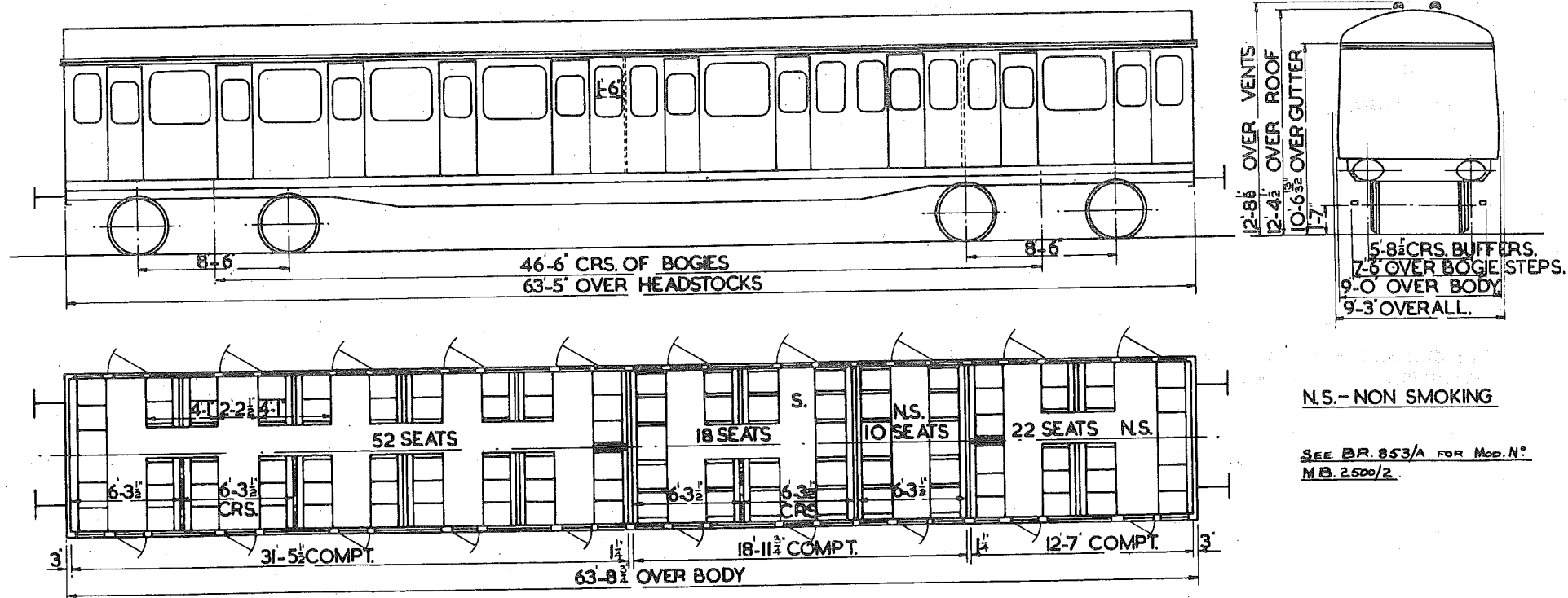
1B REFURBISHED,FLUORESCENT LIGHTING.

TRAILER SECOND

CLASS 116

TS

DT 215



N.S. - NON SMOKING

SEE BR. 853/A FOR MOD. N°
MB. 2500/2.

SEATS	102
TOILETS	-
COMPARTMENTS	-
GUARDS COMPARTMENTS	-
VENTILATION	-
CATERING EQUIPMENT	-

ORIGINAL DIAGRAMS FOR REFERENCE.-
BR 555

ISSUE 2 DATE MAY '81

DT 215

BRAKES
BOGIE/SUSPENSION
BODY CONSTRUCTION
COUPLINGS
TRAIN HEATING
MAX. SPEED M.P.H.
MIN. RAD. CURVE CHAINS
LIGHTING
TARE WEIGHT TONNES
GANGWAYS
MULTIPLE WORKING CODE SYMBOL
BUFFERS

BASIC TYPE

VACUUM
DT96 MK 1 & MK 2 (ONE OF EACH)
STEEL
SCREW
OIL BURNING AIR HEATER
70
3.5
TUNGSTEN
29
NOT FITTED
BLUE SQUARE
SELF CONTAINED-559 DIA. OR 559 OVAL

ALTERNATIVES

FLUORESCENT
28.5

TRACTION DATA FOR MULTIPLE UNITS

DMMU-BUILDER BR DERBY

BASIC TYPE

DT 215 0A

VARIANTS

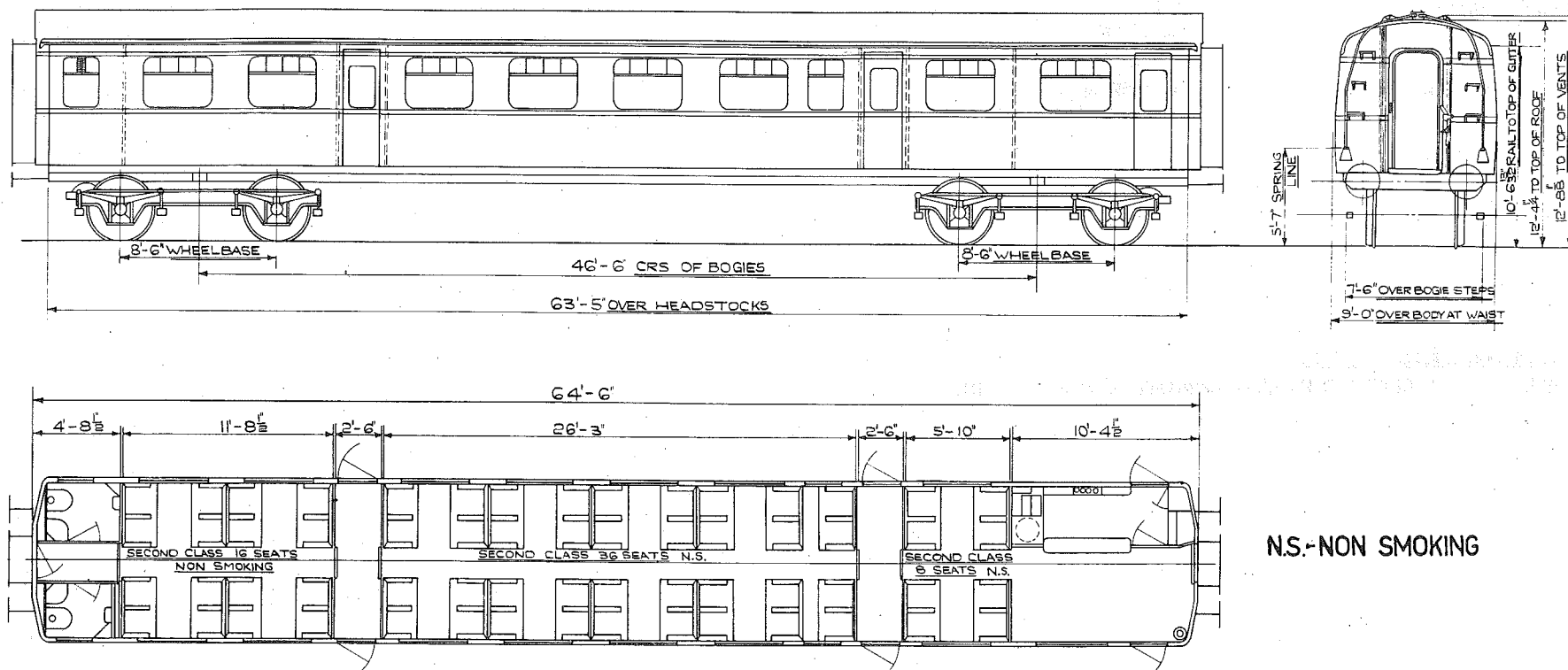
1B REFURBISHED-FLUORESCENT LIGHTING, TARE 28.5.

TRAILER SECOND

CLASS 119

TS

DT 216



NS.-NON SMOKING

SEATS	60
TOILETS	2
COMPARTMENTS	-
GUARDS COMPARTMENTS	-
VENTILATION	-
CATERING EQUIPMENT	-

ORIGINAL DIAGRAMS FOR REFERENCE, -
BR 542

ISSUE 2 DATE MAY '81

DT 216

BRAKES
BOGIE/SUSPENSION
BODY CONSTRUCTION
COUPLINGS
TRAIN HEATING
MAX. SPEED M.P.H.
MIN. RAD. CURVE CHAINS
LIGHTING
TARE WEIGHT TONNES
GANGWAYS
MULTIPLE WORKING CODE SYMBOL
BUFFERS

BASIC TYPE

VACUUM
DT9 MK 6 & MK 7 (ONE OF EACH)
STEEL
SCREW
OIL BURNING AIR HEATER
70
3.5
TUNGSTEN
31.5
BRITISH STANDARD-MIDLAND SCISSORS TYPE
BLUE SQUARE
SELF CONTAINED-559 DIA. OR 559 OVAL

ALTERNATIVES

TRACTION DATA FOR MULTIPLE UNITS

DMMU-BUILDER GLOUCESTER RAILWAY CARRIAGE & WAGON CO. LTD.

BASIC TYPE

DT 216 0A

VARIANTS

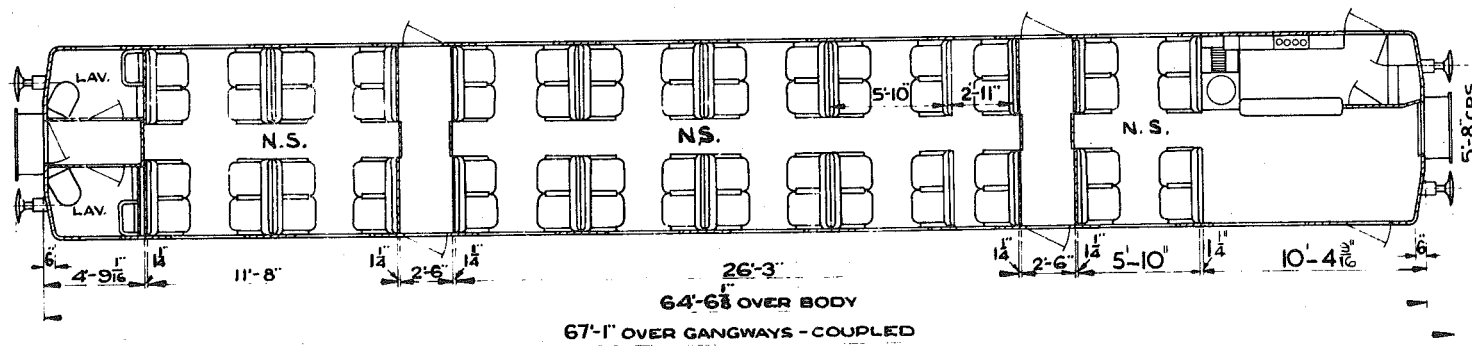
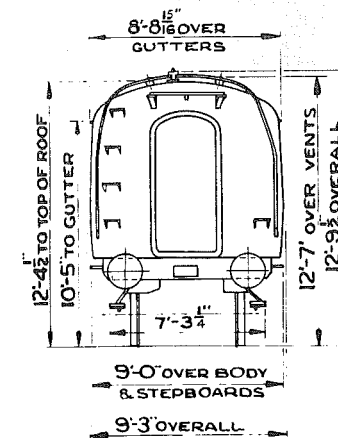
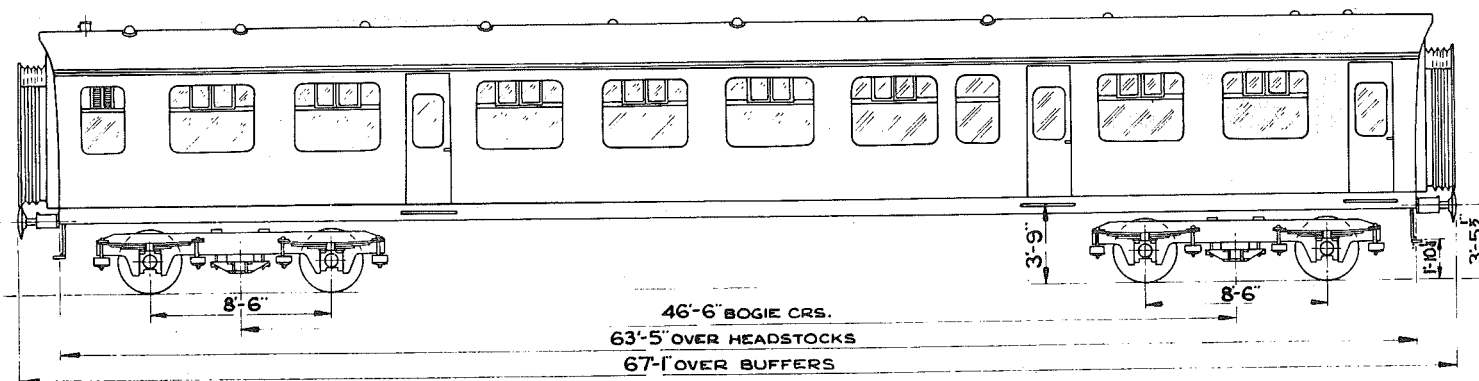
NONE

TRAILER SECOND

CLASS 120

TS

DT 217



N.S. - NON SMOKING.

SEATS	60
TOILETS	2
COMPARTMENTS	-
GUARDS COMPARTMENTS	-
VENTILATION	-
CATERING EQUIPMENT	-

ORIGINAL DIAGRAMS FOR REFERENCE.-
BR 561

ISSUE 2
DATE MAY '81

DT 217

BASIC TYPE

BRAKES
BOGIE/SUSPENSION
BODY CONSTRUCTION
COUPLINGS
TRAIN HEATING
MAX. SPEED M.P.H.
MIN. RAD. CURVE CHAINS
LIGHTING
TARE WEIGHT TONNES
GANGWAYS
MULTIPLE WORKING CODE SYMBOL
BUFFERS

VACUUM
DT1 MK 1 & MK 2 (ONE OF EACH)
STEEL
SCREW
OIL BURNING AIR HEATER
70
3.5
TUNGSTEN
31
BRITISH STANDARD-W.R.SUSPENSION TYPE
BLUE SQUARE
SELF CONTAINED-559 OVAL

ALTERNATIVES

FLUORESCENT & TUNGSTEN

TRACTION DATA FOR MULTIPLE UNITS

DMU-BUILDER BR SWINDON

BASIC TYPE

DT 217 OA

VARIANTS

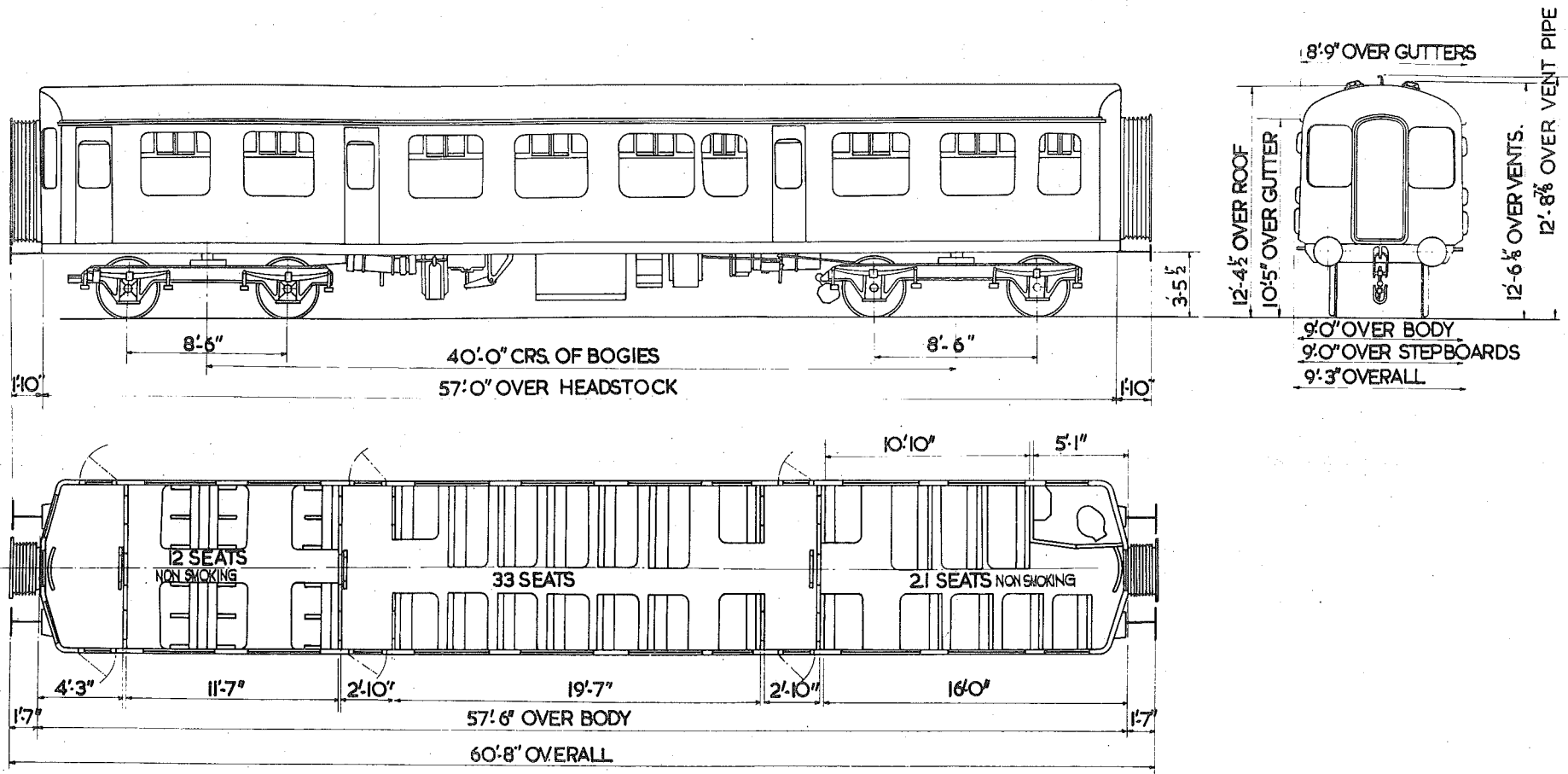
1B REFURBISHED-FLUORESCENT & TUNGSTEN LIGHTING.

TRAILER SECOND

CLASS 104

TS

DT 218



SEATS	66
TOILETS	1
COMPARTMENTS	-
GUARDS COMPARTMENTS	-
VENTILATION	-
CATERING EQUIPMENT	-

ORIGINAL DIAGRAMS FOR REFERENCE.-
BR 582

ISSUE 2 DATE MAY '81

DT 218

BRAKES
BOGIE/SUSPENSION
BODY CONSTRUCTION
COUPLINGS
TRAIN HEATING
MAX. SPEED M.P.H.
MIN. RAD. CURVE CHAINS
LIGHTING
TARE WEIGHT TONNES
GANGWAYS
MULTIPLE WORKING CODE SYMBOL
BUFFERS

BASIC TYPE

VACUUM
DT10 MK 1 & MK 2 (ONE OF EACH)
STEEL
SCREW
OIL BURNING AIR HEATER
70
3.5
TUNGSTEN
24.5
BRITISH STANDARD-MIDLAND SCISSORS TYPE
BLUE SQUARE
SELF CONTAINED-457 DIA.

ALTERNATIVES

TRACTION DATA FOR MULTIPLE UNITS

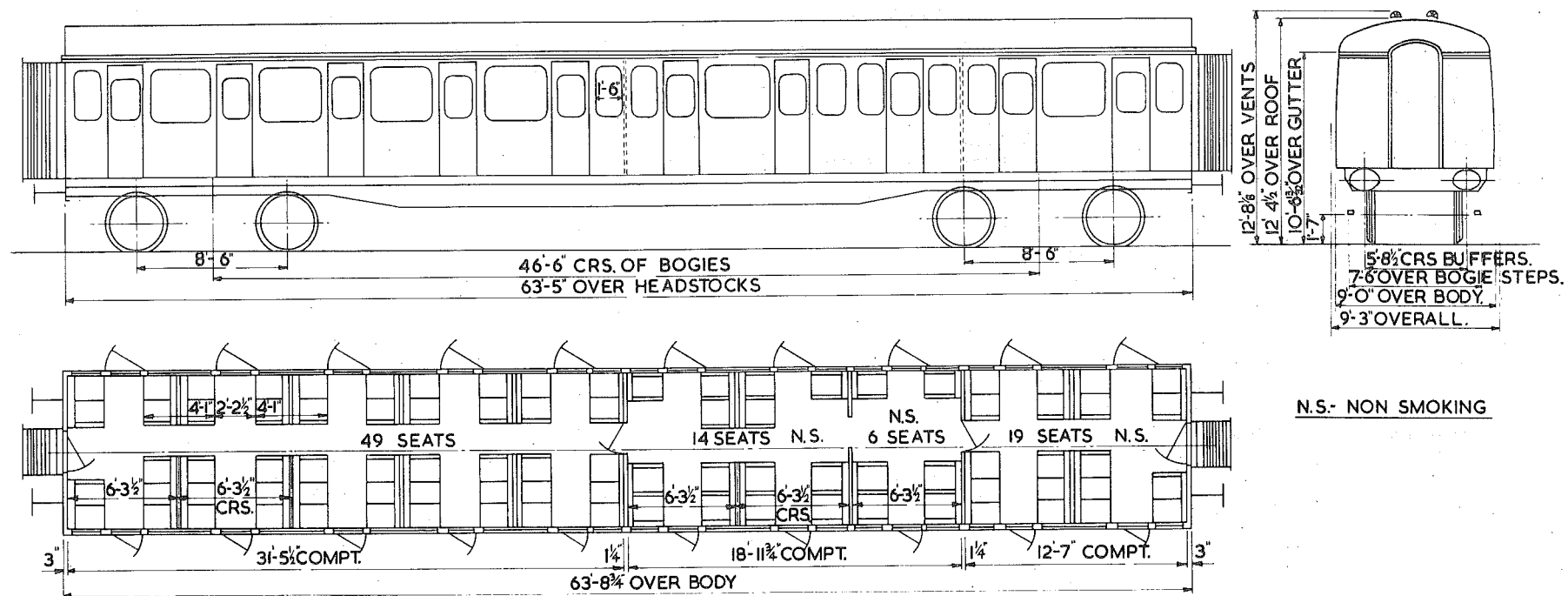
DMMU-BUILDER BIRMINGHAM RAILWAY CARRIAGE & WAGON CO.LTD.

BASIC TYPE

DT 218 0A

VARIANTS

NONE



SEATS
TOILETS
COMPARTMENTS
GUARDS COMPARTMENTS
VENTILATION
CATERING EQUIPMENT

88

-
-
-
-
-

ORIGINAL DIAGRAMS FOR REFERENCE.-
BR 8558

ISSUE
2

DATE
MAY '81

DT 219

BRAKES
BOGIE/SUSPENSION
BODY CONSTRUCTION
COUPLINGS
TRAIN HEATING
MAX. SPEED M.P.H.
MIN. RAD. CURVE CHAINS
LIGHTING
TARE WEIGHT TONNES
GANGWAYS
MULTIPLE WORKING CODE SYMBOL
BUFFERS

BASIC TYPE

VACUUM
DT96 MK 1 & MK 2 (ONE OF EACH)
STEEL
SCREW
OIL BURNING AIR HEATER
70
3.5
TUNGSTEN
29
BRITISH STANDARD-V.R. SUSPENSION TYPE
BLUE SQUARE
SELF CONTAINED-559 DIA. OR 559 OVAL

ALTERNATIVES

FLUORESCENT

TRACTION DATA FOR MULTIPLE UNITS

DMU-BUILDER BR DERBY

BASIC TYPE

DT 219 0A

VARIANTS

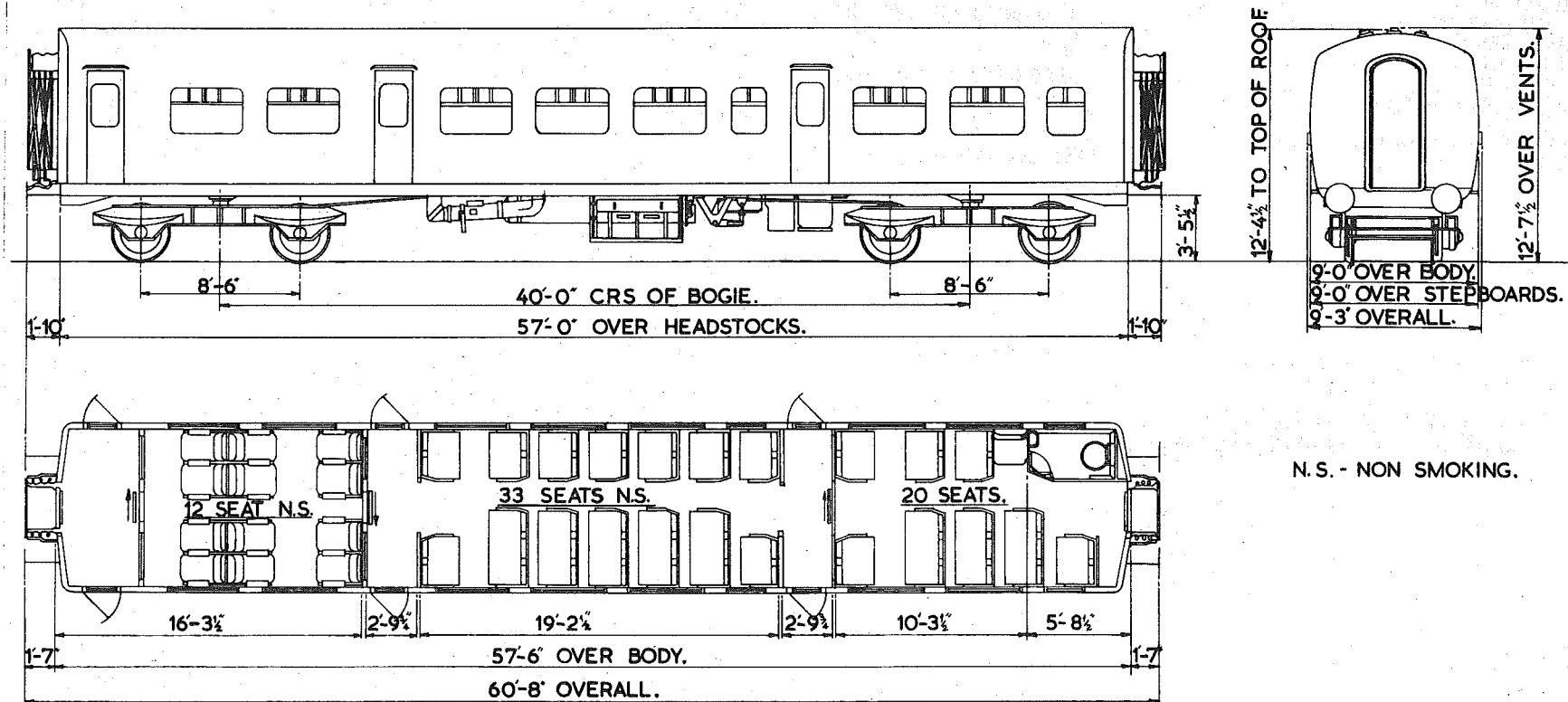
1B REFURBISHED-FLUORESCENT LIGHTING.

TRAILER SECOND

CLASS 101

TS

DT 220



N.S. - NON SMOKING.

SEATS	65
TOILETS	1
COMPARTMENTS	-
GUARDS COMPARTMENTS	-
VENTILATION	-
CATERING EQUIPMENT	-

ORIGINAL DIAGRAMS FOR REFERENCE:-
BR 624

ISSUE 3
DATE DEC 85

DT 220

BRAKES
BOGIE/SUSPENSION
BODY CONSTRUCTION
COUPLINGS
TRAIN HEATING
MAX.SPEED M.P.H.
MIN.RAD.CURVE CHAINS
LIGHTING
TARE WEIGHT TONNES
GANGWAYS
MULTIPLE WORKING CODE SYMBOL
BUFFERS

BASIC TYPE

VACUUM
DT11 MK 1
STEEL
SCREW
OIL BURNING AIR HEATER
70
3.5
FLUORESCENT & TUNGSTEN
25.5
BRITISH STANDARD-MIDLAND SCISSORS TYPE
BLUE SQUARE
SELF CONTAINED-457 DIA.

ALTERNATIVES

DT11 MK 4

TRACTION DATA FOR MULTIPLE UNITS

DMMU-BUILDER

METROPOLITAN CAMELL

BASIC TYPE

DT 220 1B-REFURBISHED

VARIANTS

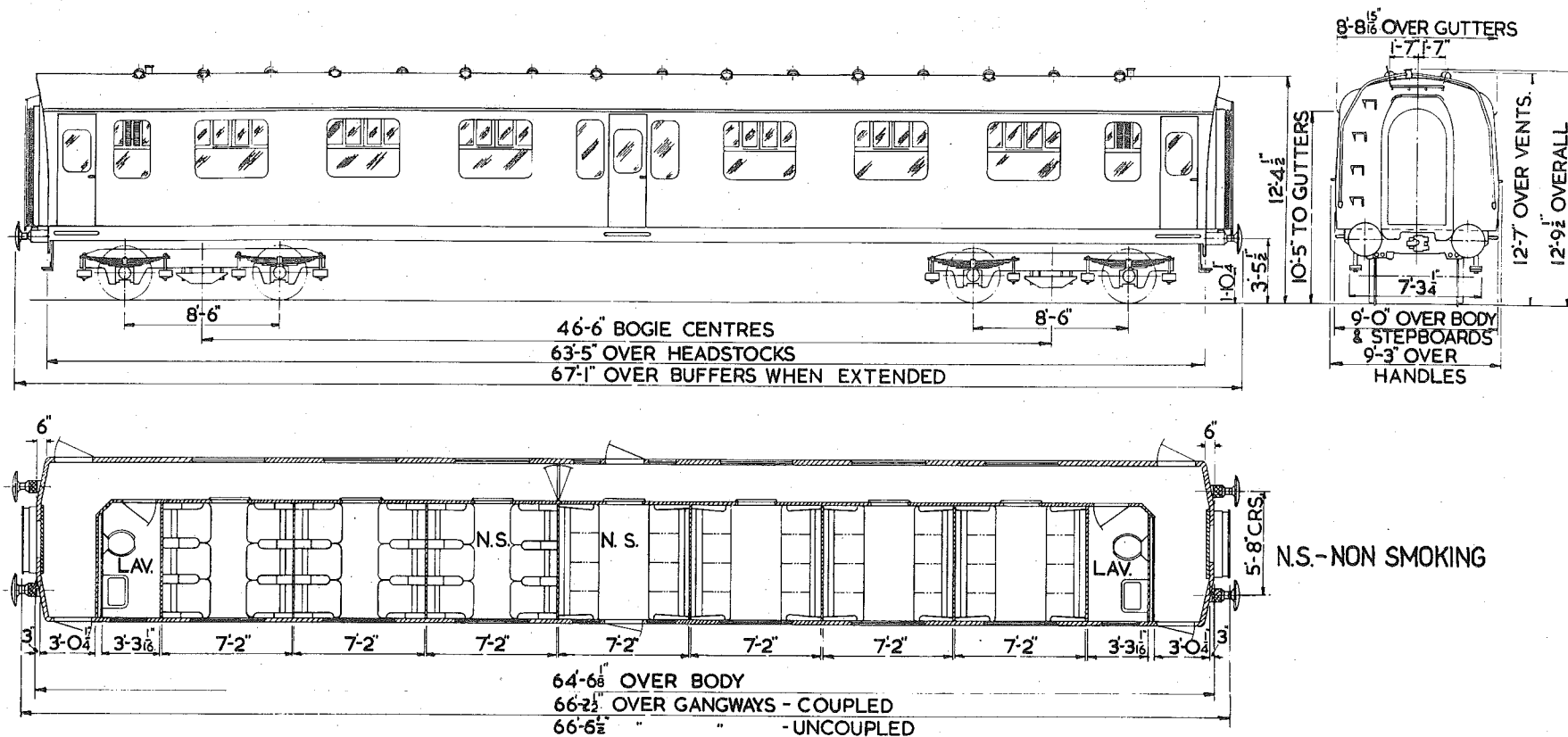
1D REFURBISHED,DT11 MK 4 BOGIES.

TRAILER SECOND

CLASS 126

TS

DT 223



SEATS	50
TOILETS	2
COMPARTMENTS	7
GUARDS COMPARTMENTS	-
VENTILATION	-
CATERING EQUIPMENT	-

ORIGINAL DIAGRAMS FOR REFERENCE.-
BR 571

ISSUE 2 DATE MAY '81

DT 223

BRAKES
BOGIE/SUSPENSION
BODY CONSTRUCTION
COUPLINGS
TRAIN HEATING
MAX. SPEED M.P.H.
MIN. RAD. CURVE CHAINS
LIGHTING
TARE WEIGHT TONNES
GANGWAYS
MULTIPLE WORKING CODE SYMBOL
BUFFERS

BASIC TYPE

VACUUM
DT1 MK 1 & MK 2 (ONE OF EACH)
STEEL
AUTOMATIC DROPHEAD (BUCKEYE)
OIL BURNING AIR HEATER
70
3.5
TUNGSTEN
32
PULLMAN
WHITE CIRCLE
RETRACTABLE SPINDLE-457 DIA.

ALTERNATIVES

TRACTION DATA FOR MULTIPLE UNITS

DMMU-BUILDER BR SWINDON

BASIC TYPE

DT 223 0A

VARIANTS

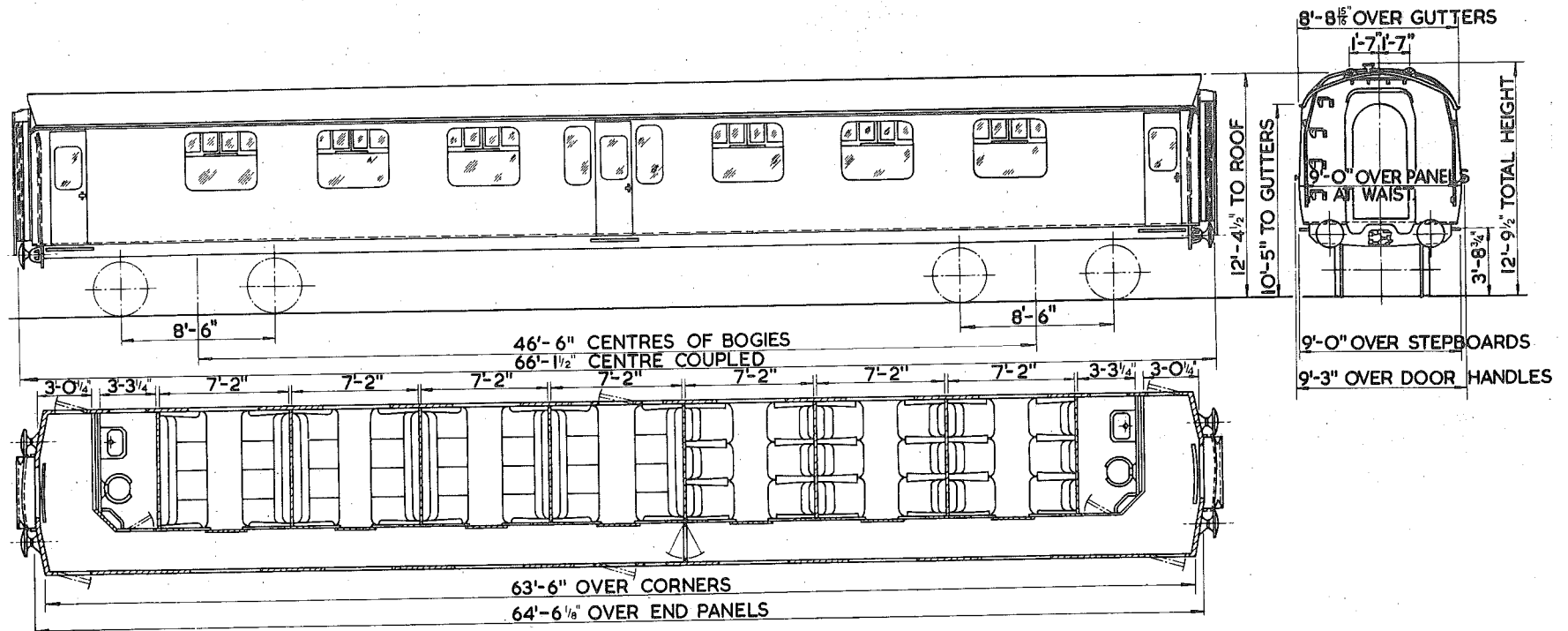
NONE

TRAILER SECOND

CLASS 126

TS

DT 224



SEATS	50
TOILETS	2
COMPARTMENTS	7
GUARDS COMPARTMENTS	-
VENTILATION	-
CATERING EQUIPMENT	-

ORIGINAL DIAGRAMS FOR REFERENCE.-
BR 857

ISSUE 2 DATE MAY '81

DT 224

BRAKES
BOGIE/SUSPENSION
BODY CONSTRUCTION
COUPLINGS
TRAIN HEATING
MAX. SPEED M.P.H.
MIN. RAD. CURVE CHAINS
LIGHTING
TARE WEIGHT TONNES
GANGWAYS
MULTIPLE WORKING CODE SYMBOL
BUFFERS

BASIC TYPE

VACUUM
DT1 MK 1 & MK 2 (ONE OF EACH)
STEEL
AUTOMATIC DROPHEAD (BUCKEYE)
OIL BURNING AIR HEATER
70
3.5
TUNGSTEN
34
PULLMAN
BLUE SQUARE
RETRACTABLE SPINDLE-457 DIA.

ALTERNATIVES

TRACTION DATA FOR MULTIPLE UNITS

DMU-BUILDER BR SWINDON

BASIC TYPE

DT 224 0A

VARIANTS

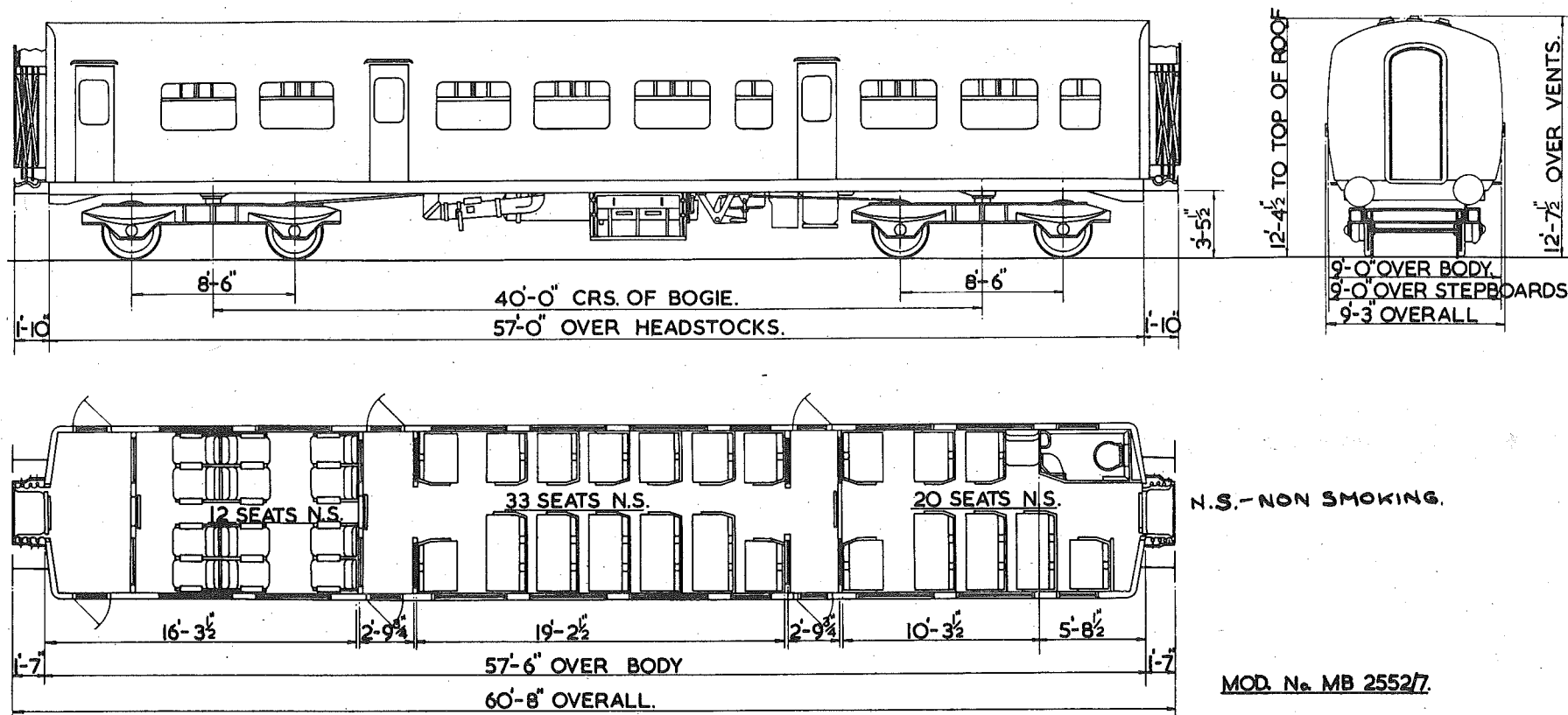
NONE

TRAILER SECOND

CLASS 101

TS

DT 225



SEATS	65
TOILETS	1
COMPARTMENTS	-
GUARDS COMPARTMENTS	-
VENTILATION	-
CATERING EQUIPMENT	-

ORIGINAL DIAGRAMS FOR REFERENCE.-
BR 668

ISSUE 2 DATE MAY '81

DT 225

BRAKES
BOGIE/SUSPENSION
BODY CONSTRUCTION
COUPLINGS
TRAIN HEATING
MAX. SPEED M.P.H.
MIN. RAD. CURVE CHAINS
LIGHTING
TARE WEIGHT TONNES
GANGWAYS
MULTIPLE WORKING CODE SYMBOL
BUFFERS

BASIC TYPE

VACUUM
DT11 MK 4
STEEL
SCREW
OIL BURNING AIR HEATER
70
3.5
FLUORESCENT & TUNGSTEN
25.5
BRITISH STANDARD-MIDLAND SCISSORS TYPE
BLUE SQUARE
SELF CONTAINED-457 DIA.

ALTERNATIVES

TRACTION DATA FOR MULTIPLE UNITS

DMU-BUILDER METROPOLITAN CAMELL

BASIC TYPE

DT 225 10-REFURBISHED

VARIANTS

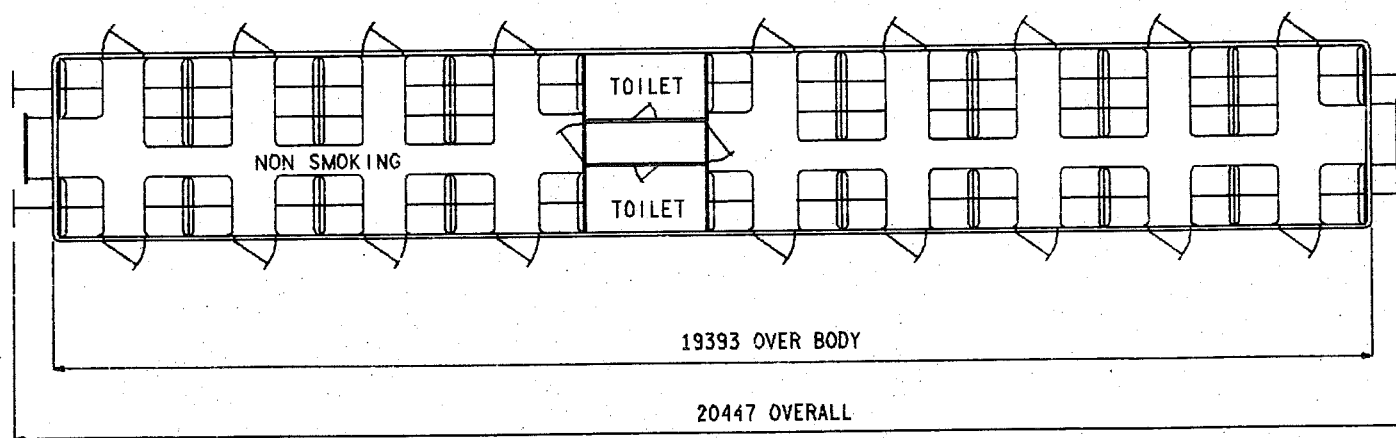
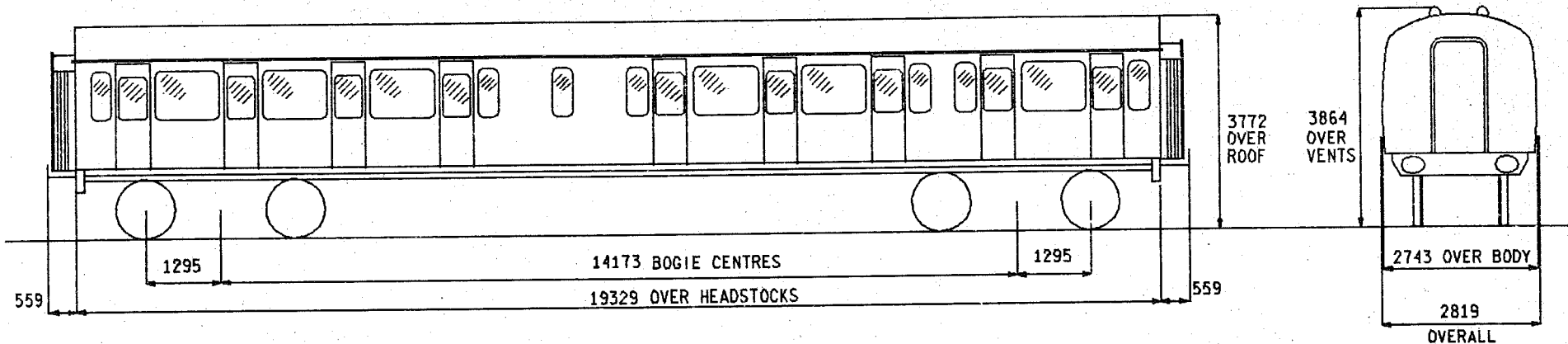
NONE

TRAILER SECOND

CLASS 127

TS

DT 226



SEATS	86
TOILETS	2
COMPARTMENTS	-
GUARDS COMPARTMENTS	-
VENTILATION	-
CATERING EQUIPMENT	-

ORIGINAL DIAGRAMS FOR REFERENCE:-
BR 589

ISSUE	DATE
1	MAR 86

DT 226

BRAKES
BOGIE/SUSPENSION
BODY CONSTRUCTION
COUPLINGS
TRAIN HEATING
MAX.SPEED M.P.H.
MIN.RAD.CURVE CHAINS
LIGHTING
TARE WEIGHT TONNES
GANGWAYS
MULTIPLE WORKING CODE SYMBOL
BUFFERS

BASIC TYPE

VACUUM
DT9 MK 10 & MK 11(ONE OF EACH)
STEEL
SCREW
OIL BURNING AIR HEATER
70
3.5
TUNGSTEN
30.5
BRITISH STANDARD-W.R.SUSPENSION TYPE
RED TRIANGLE
SELF CONTAINED-559 DIA.OR 559 OVAL

ALTERNATIVES

FLUORESCENT

TRACTION DATA FOR MULTIPLE UNITS

DMU-BUILDER BR DERBY

BASIC TYPE

DT 226 0A

VARIANTS

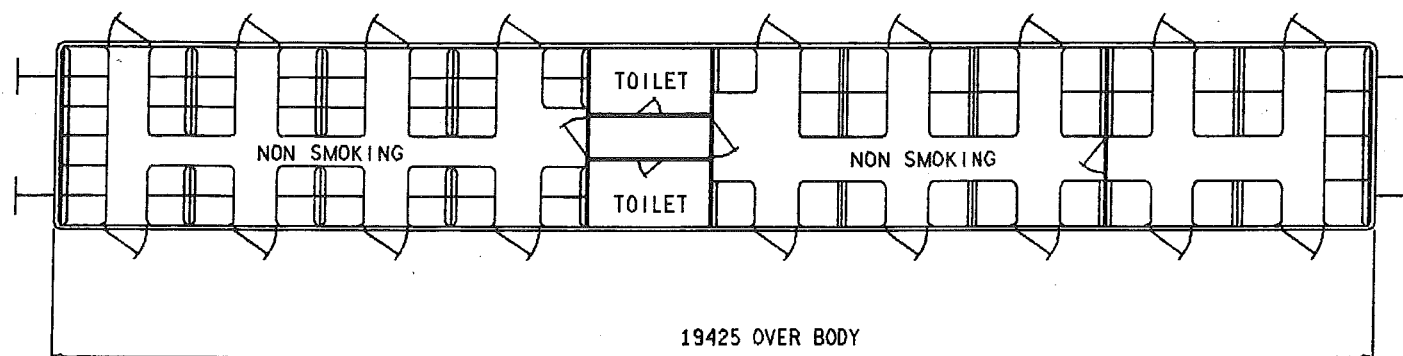
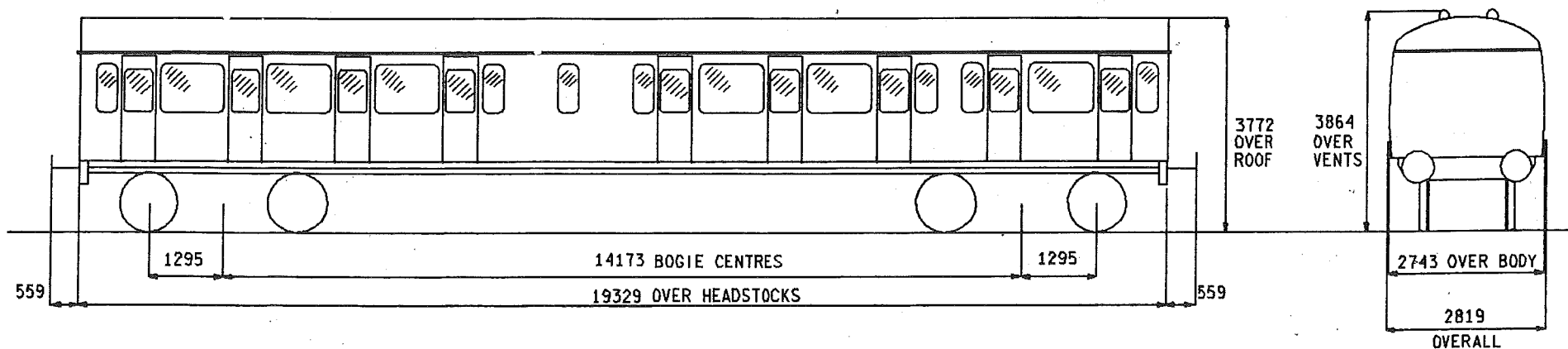
1B REFURBISHED-FLUORESCENT LIGHTING

TRAILER SECOND

CLASS 115

TS

DT 227



SEATS	70
TOILETS	2
COMPARTMENTS	-
GUARDS COMPARTMENTS	-
VENTILATION	-
CATERING EQUIPMENT	-

ORIGINAL DIAGRAMS FOR REFERENCE:-
BR 599

ISSUE 1 DATE MAR 86

DT 227

BRAKES
BOGIE/SUSPENSION
BODY CONSTRUCTION
COUPLINGS
TRAIN HEATING
MAX.SPEED M.P.H.
MIN.RAD.CURVE CHAINS
LIGHTING
TARE WEIGHT TONNES
GANGWAYS
MULTIPLE WORKING CODE SYMBOL
BUFFERS

BASIC TYPE

VACUUM
DT9 MK 10 & MK 12(ONE OF EACH)
STEEL
SCREW
OIL BURNING AIR HEATER
70
3.5
TUNGSTEN
30.5
NOT FITTED
BLUE SQUARE
SELF CONTAINED-559 DIA.OR 559 OVAL

ALTERNATIVES

FLUORESCENT & TUNGSTEN

TRACTION DATA FOR MULTIPLE UNITS

DMMU-BUILDER BR DERBY

BASIC TYPE

DT 227 0A

VARIANTS

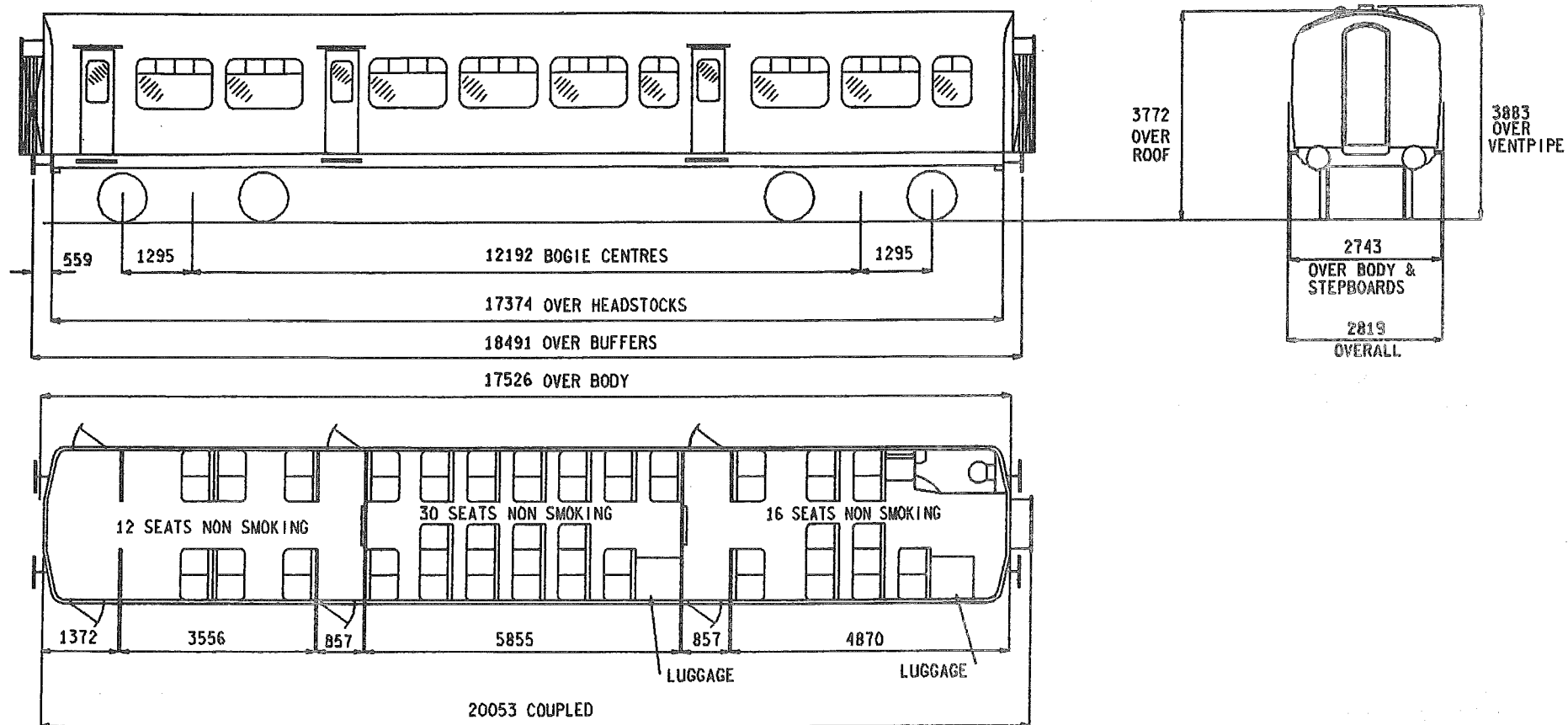
1B REFURBISHED-FLUORESCENT & TUNGSTEN LIGHTING.

TRAILER STANDARD

CLASS 101

TS

DT 228



SEATS	58
TOILETS	1
COMPARTMENTS	-
GUARDS COMPARTMENTS	-
VENTILATION	-
CATERING EQUIPMENT	-

ORIGINAL DIAGRAMS FOR REFERENCE:-
BR 622, 623 & 624

ISSUE	DATE
1	AUG 88

DT 228

BRAKES
BOGIE/SUSPENSION
BODY CONSTRUCTION
COUPLINGS
TRAIN HEATING
MAX.SPEED M.P.H.
MIN.RAD.CURVE CHAINS
LIGHTING
TARE WEIGHT TONNES
GANGWAYS

MULTIPLE WORKING CODE SYMBOL
BUFFERS

BASIC TYPE

VACUUM
DT11 MK 1
STEEL
SCREW
OIL BURNING AIR HEATER
70
3.5
FLUORESCENT & TUNGSTEN
25.5
BRITISH STANDARD-MIDLAND SCISSORS TYPE

BLUE SQUARE
SELF CONTAINED-457 DIA.

ALTERNATIVES

DD15 MK 3

TRACTION DATA FOR MULTIPLE UNITS

DMU-BUILDER METROPOLITAN CAMELL

BASIC TYPE

DP 317 0A-REFURBISHED

VARIANTS

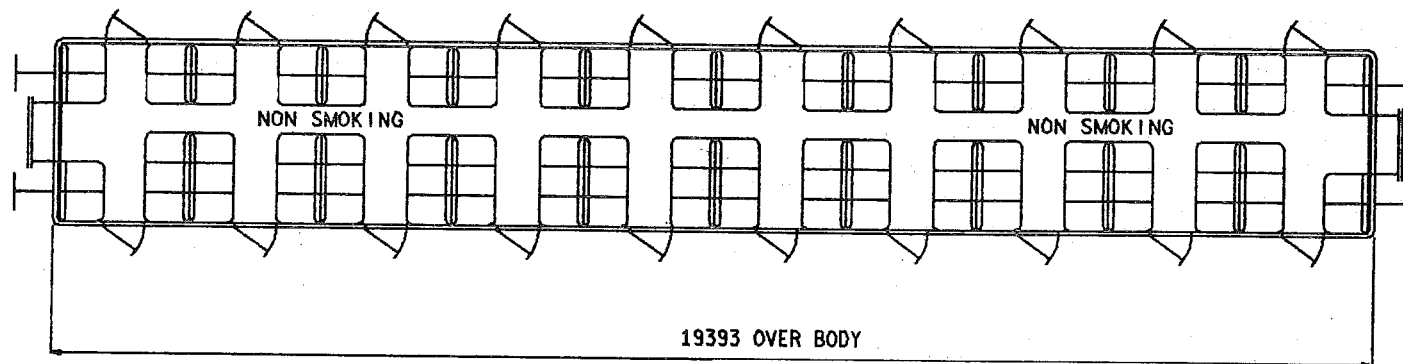
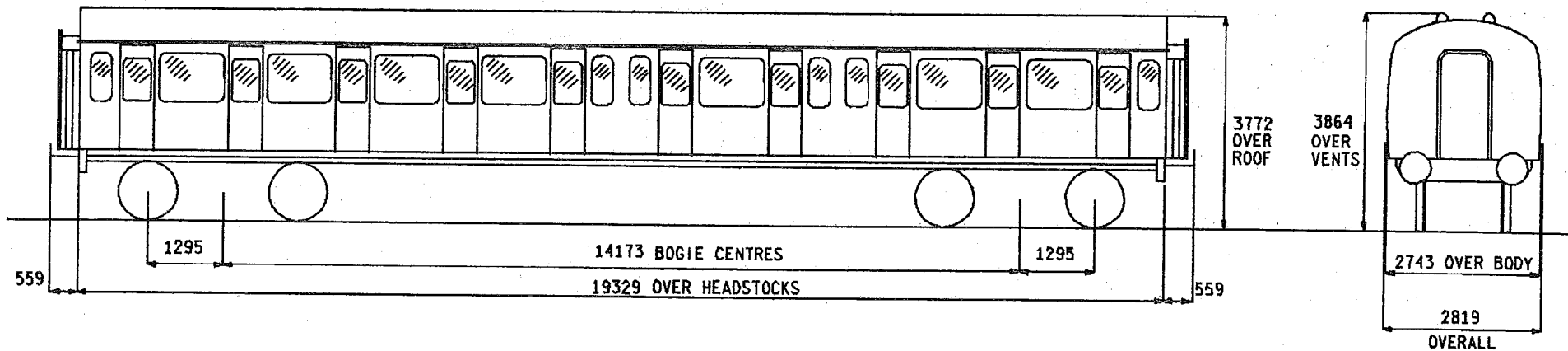
0B REFUBISHED DT11 Mk.4 BOGIES
1C NOT REFUBISHED
1D NOT REFUBISHED DT11 Mk.4 BOGIES

TRAILER STANDARD

CLASS 115
127

TS

DT 229



SEATS	98
TOILETS	-
COMPARTMENTS	-
GUARDS COMPARTMENTS	-
VENTILATION	-
CATERING EQUIPMENT	-

ISSUE DATE
1 MAY 88

DT 229

BRAKES
BOGIE/SUSPENSION
BODY CONSTRUCTION
COUPLINGS
TRAIN HEATING
MAX.SPEED M.P.H.
MIN.RAD.CURVE CHAINS
LIGHTING
TARE WEIGHT TONNES
GANGWAYS
MULTIPLE WORKING CODE SYMBOL
BUFFERS

BASIC TYPE

VACUUM
DT9 MK 10 & MK 12(ONE OF EACH)
STEEL
SCREW
OIL BURNING AIR HEATER
70
3.5
TUNGSTEN
29.5
BRITISH STANDARD-W.R.SUSPENSION TYPE
RED TRIANGLE
SELF CONTAINED-559 DIA.OR 559 OVAL

ALTERNATIVES

DT9 MK 10 & MK 11(ONE OF EACH)

FLUORESCENT

BLUE SQUARE

TRACTION DATA FOR MULTIPLE UNITS

DMU-BUILDER BR DERBY

BASIC TYPE

DT 229 0A - CLASS 115

VARIANTS

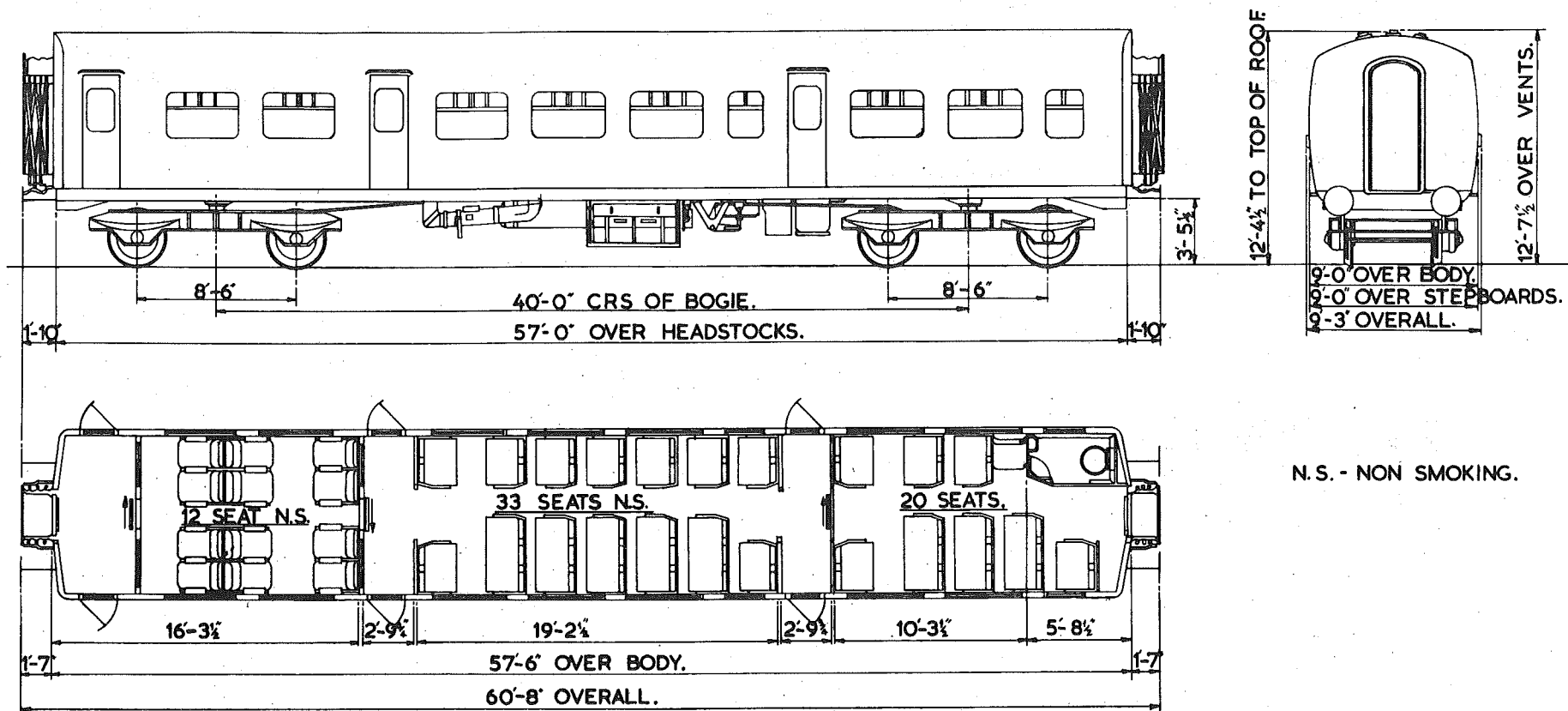
- 1B - CLASS 115,REFURBISHED-FLUORESCENT LIGHTING, BLUE SQUARE SYMBOL.
- 1C - CLASS 115,REFURBISHED-FLUORESCENT LIGHTING, BLUE SQUARE SYMBOL,DT9 MK 10 & 11 BOGIES (ONE OF EACH)

TRAILER COMPOSITE

CLASS 101

TC

DT 301



N.S. - NON SMOKING.

SEATS
TOILETS
COMPARTMENTS
GUARDS COMPARTMENTS
VENTILATION
CATERING EQUIPMENT

12 FIRST CLASS 53 SECOND CLASS

1
-
-
-

ORIGINAL DIAGRAMS FOR REFERENCE, -
BR 624

ISSUE
2

DATE
MAY '81

DT 301

BRAKES
BOGIE/SUSPENSION
BODY CONSTRUCTION
COUPLINGS
TRAIN HEATING
MAX. SPEED M.P.H.
MIN. RAD. CURVE CHAINS
LIGHTING
TARE WEIGHT TONNES
GANGWAYS
MULTIPLE WORKING CODE SYMBOL
BUFFERS

BASIC TYPE

VACUUM
DT11 MK 4
STEEL
SCREW
OIL BURNING AIR HEATER
70
3.5
TUNGSTEN
25.5
BRITISH STANDARD-MIDLAND SCISSORS TYPE
BLUE SQUARE
SELF CONTAINED-457 DIA.

ALTERNATIVES

FLUORESCENT & TUNGSTEN

TRACTION DATA FOR MULTIPLE UNITS

DMU-BUILDER

METROPOLITAN CAMELL

BASIC TYPE

DT 301 0A

VARIANTS

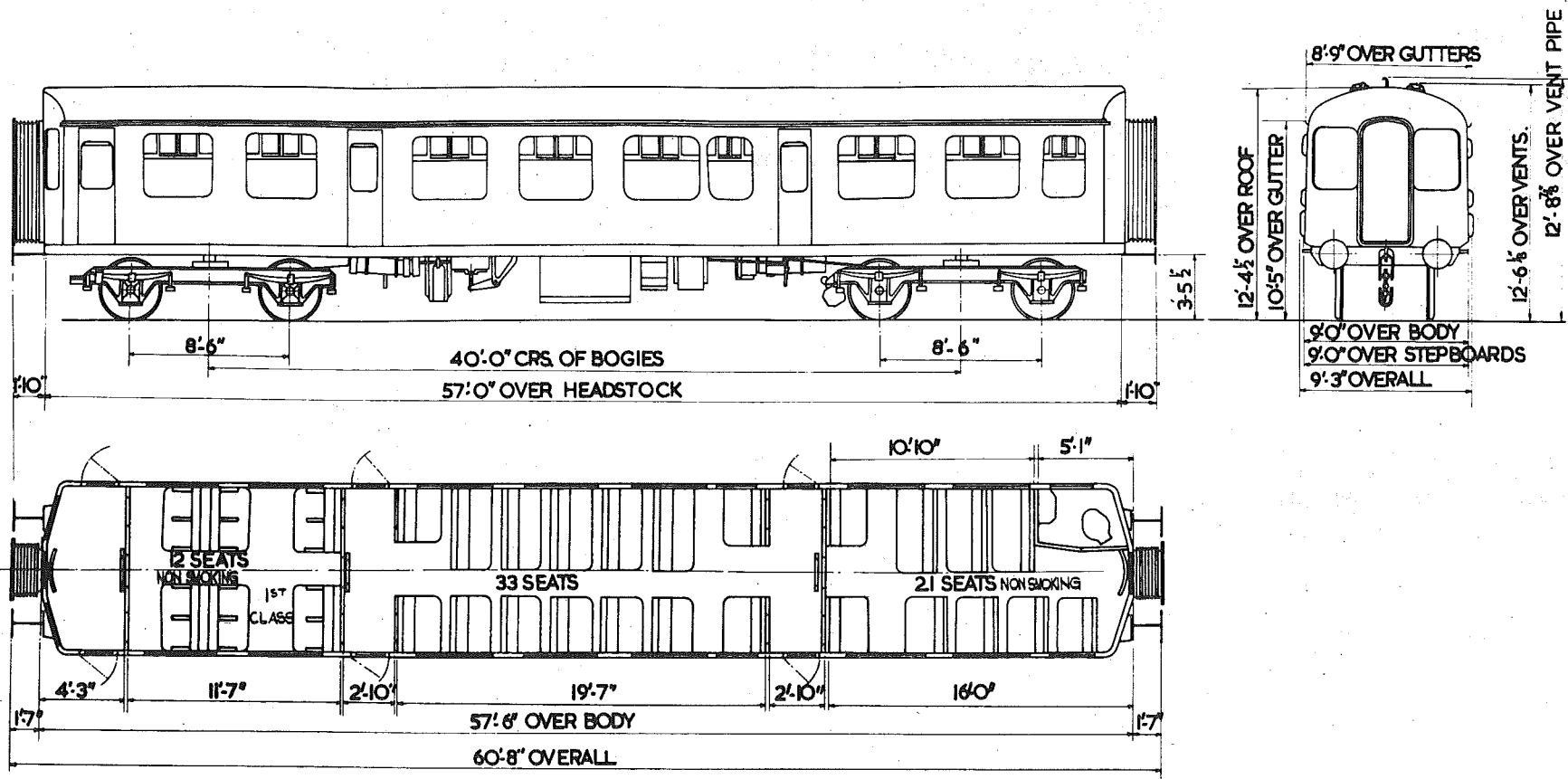
1B REFURBISHED-FLUORESCENT & TUNGSTEN LIGHTING.

TRAILER COMPOSITE

CLASS 104

TC

DT 302



SEATS 12 FIRST CLASS 54 SECOND CLASS
 TOILETS 1
 COMPARTMENTS -
 GUARDS COMPARTMENTS -
 VENTILATION -
 CATERING EQUIPMENT -

ORIGINAL DIAGRAMS FOR REFERENCE.--
 BR 582

ISSUE 2 DATE MAY '81

DT 302

BRAKES
BOGIE/SUSPENSION
BODY CONSTRUCTION
COUPLINGS
TRAIN HEATING
MAX. SPEED M.P.H.
MIN. RAD. CURVE CHAINS
LIGHTING
TARE WEIGHT TONNES
GANGWAYS
MULTIPLE WORKING CODE SYMBOL
BUFFERS

BASIC TYPE

VACUUM
DT10 MK 1 & MK 2 (ONE OF EACH)
STEEL
SCREW
OIL BURNING AIR HEATER
70
3.5
TUNGSTEN
24.5
BRITISH STANDARD-MIDLAND SCISSORS TYPE
BLUE SQUARE
SELF CONTAINED-457 DIA.

ALTERNATIVES

TRACTION DATA FOR MULTIPLE UNITS

DMU-BUILDER

BIRMINGHAM RAILWAY CARRIAGE & WAGON CO.LTD.

BASIC TYPE

DT 302 08

VARIANTS

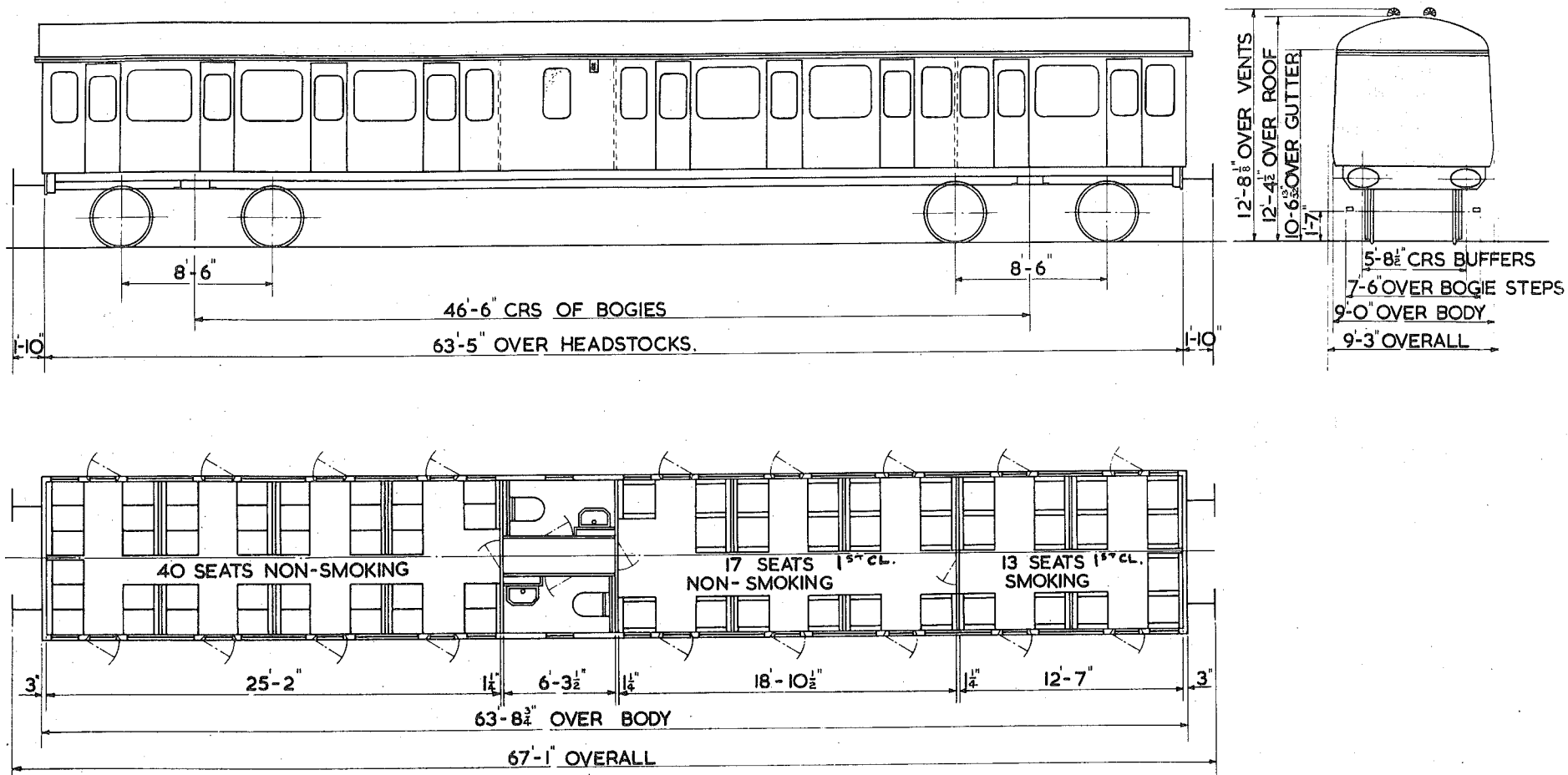
NONE

TRAILER COMPOSITE

CLASS 115

TC

DT 303



SEATS
TOILETS
COMPARTMENTS
GUARDS COMPARTMENTS
VENTILATION
CATERING EQUIPMENT

30 FIRST CLASS 40 SECOND CLASS
2
-
-
-

ORIGINAL DIAGRAMS FOR REFERENCE.-
BR 599

ISSUE 2 DATE MAY '81

DT 303

BRAKES
BOGIE/SUSPENSION
BODY CONSTRUCTION
COUPLINGS
TRAIN HEATING
MAX. SPEED M.P.H.
MIN. RAD. CURVE CHAINS
LIGHTING
TARE WEIGHT TONNES
GANGWAYS
MULTIPLE WORKING CODE SYMBOL
BUFFERS

BASIC TYPE

VACUUM
DT9 MK 10 & MK 12 (ONE OF EACH)
STEEL
SCREW
OIL BURNING AIR HEATER
70
3.5
TUNGSTEN
30.5
NOT FITTED
BLUE SQUARE
SELF CONTAINED-559 DIA. OR 559 OVAL

ALTERNATIVES

FLUORESCENT & TUNGSTEN

TRACTION DATA FOR MULTIPLE UNITS

DMMU-BUILDER BR DERBY

BASIC TYPE

DT 303 0A

VARIANTS

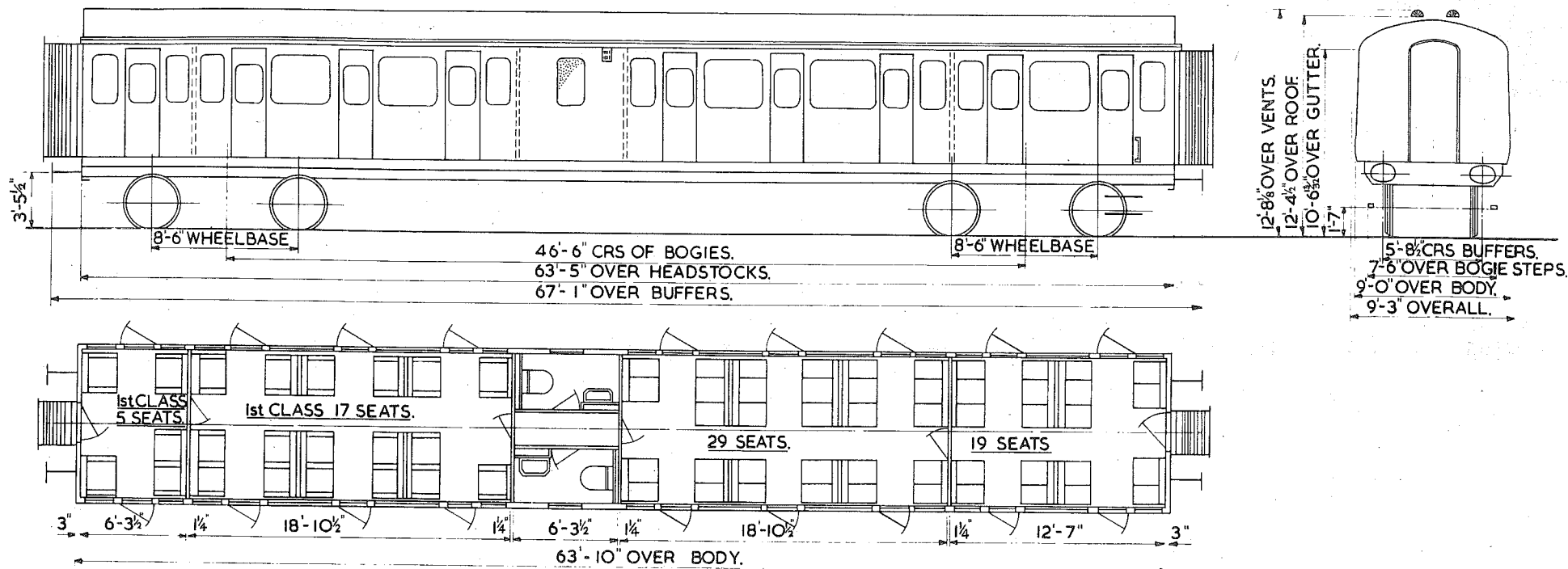
1B REFURBISHED-FLUORESCENT & TUNGSTEN LIGHTING.

TRAILER COMPOSITE

CLASS 117
118

TC

DT 305



SEATS
TOILETS
COMPARTMENTS
GUARDS COMPARTMENTS
VENTILATION
CATERING EQUIPMENT

22 FIRST CLASS 40 SECOND CLASS
2
-
-
-
-

ORIGINAL DIAGRAMS FOR REFERENCE.-
BR 851

ISSUE 2 DATE MAY '81

DT 305

BASIC TYPE

BRAKES
BOGIE/SUSPENSION
BODY CONSTRUCTION
COUPLINGS
TRAIN HEATING
MAX. SPEED M.P.H.
MIN. RAD. CURVE CHAINS
LIGHTING
TARE WEIGHT TONNES
GANGWAYS
MULTIPLE WORKING CODE SYMBOL
BUFFERS

VACUUM
DT9 MK 6 & MK 7 (ONE OF EACH)
STEEL
SCREW
OIL BURNING AIR HEATER
70
3.5
TUNGSTEN
30.5
BRITISH STANDARD-V.R. SUSPENSION TYPE
BLUE SQUARE
SELF CONTAINED-559 DIA OR 559 OVAL

ALTERNATIVES

FLUORESCENT & TUNGSTEN

TRACTION DATA FOR MULTIPLE UNITS

DMMU-BUILDER CLASS 117-PRESSED STEEL CLASS 118-BIRMINGHAM RAILWAY CARRIAGE & WAGON CO.LTD.

BASIC TYPE

DT 305 0A-CLASS 118

VARIANTS

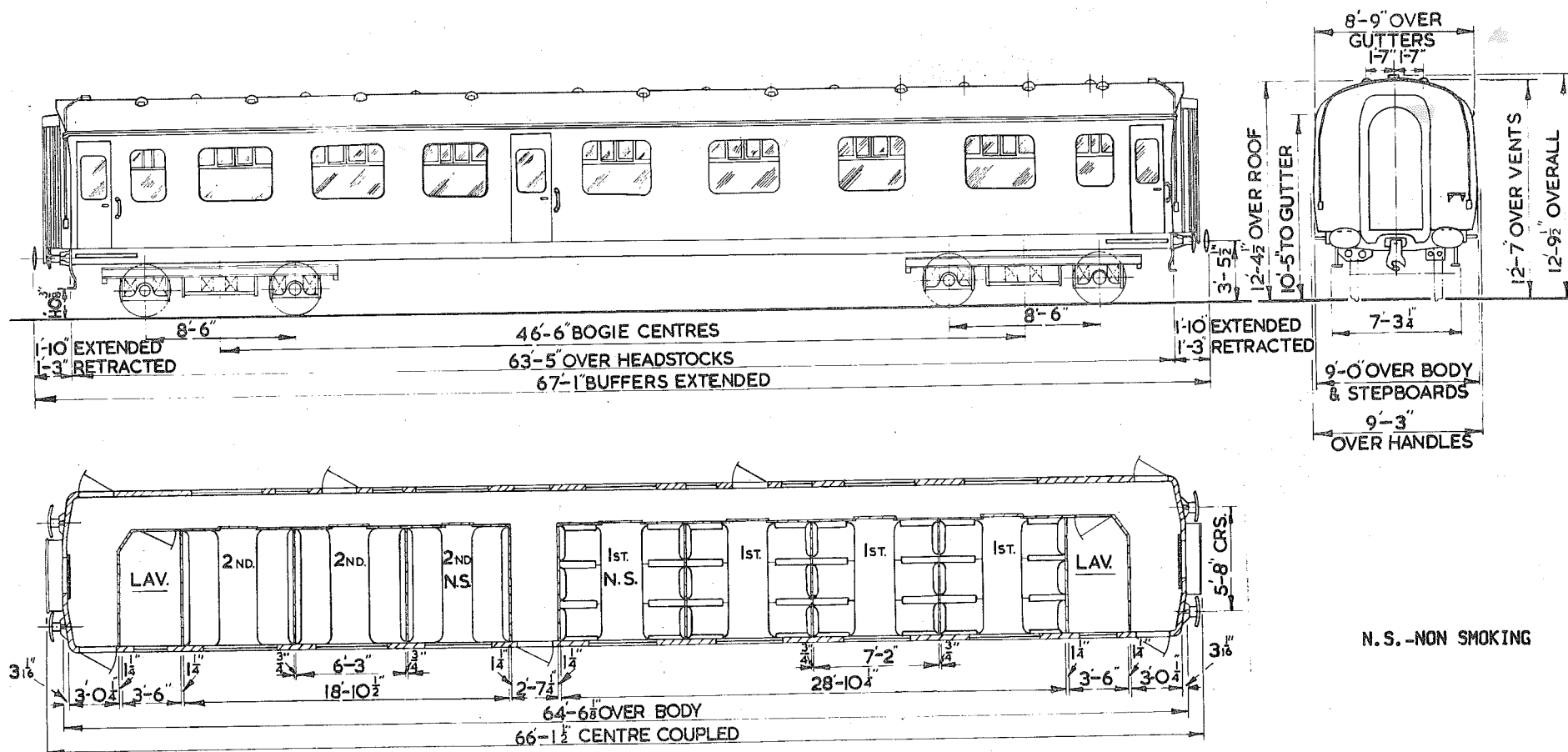
08 CLASS 117.
1B CLASS 118-REFURBISHED-FLUORESCENT & TUNGSTEN LIGHTING.
1C CLASS 117-REFURBISHED-FLUORESCENT & TUNGSTEN LIGHTING.

TRAILER COMPOSITE

CLASS 123

TC

DT 306



N.S. -NON SMOKING

SEATS
TOILETS
COMPARTMENTS
GUARDS COMPARTMENTS
VENTILATION
CATERING EQUIPMENT

24 FIRST CLASS, 24 SECOND CLASS
2
4 FIRST CLASS, 3 SECOND CLASS
-
-
-

ORIGINAL DIAGRAMS FOR REFERENCE-
BR 567

ISSUE 2 DATE MAY 81

DT 306

BRAKES
BOGIE/SUSPENSION
BODY CONSTRUCTION
COUPLINGS
TRAIN HEATING
MAX. SPEED M.P.H.
MIN. RAD. CURVE CHAINS
LIGHTING
TARE WEIGHT TONNES
GANGWAYS
MULTIPLE WORKING CODE SYMBOL
BUFFERS

BASIC TYPE

VACUUM
DT13
STEEL
AUTOMATIC DROPHEAD (BUCKEYE)
OIL BURNING AIR HEATER
70
3.5
TUNGSTEN
32.5
PULLMAN
BLUE SQUARE
RETRACTABLE SPINDLE-559 X 356 OVAL

ALTERNATIVES

TRACTION DATA FOR MULTIPLE UNITS

DMMU-BUILDER BR SWINDON

BASIC TYPE

DT 306 0A

VARIANTS

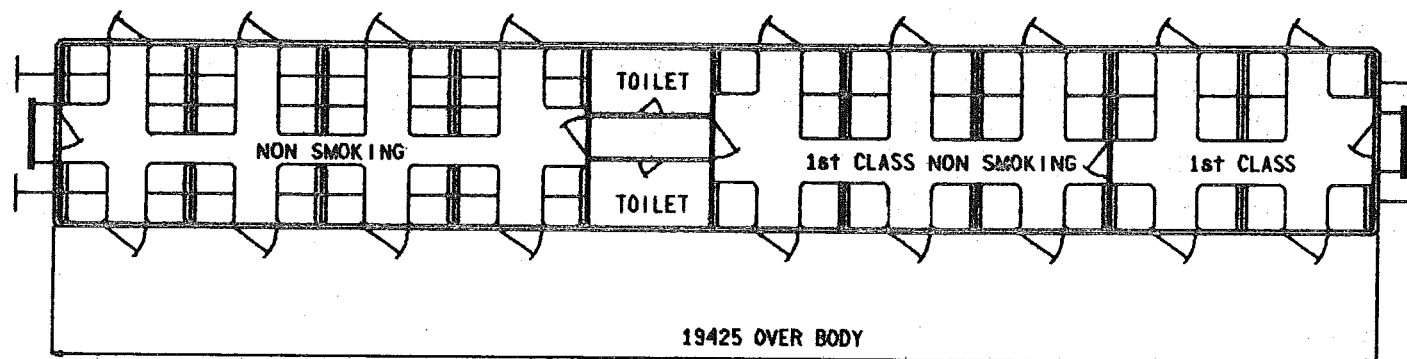
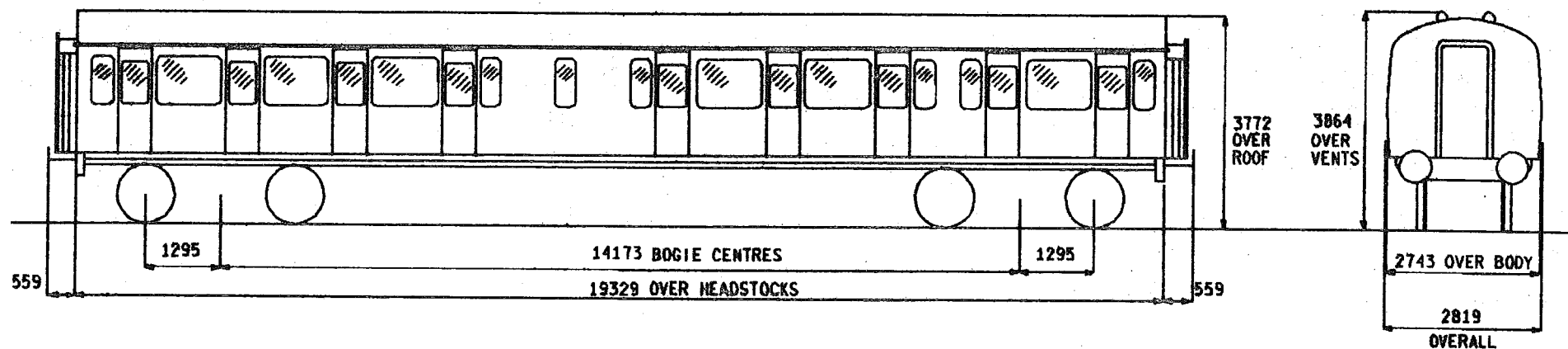
NONE

TRAILER COMPOSITE

CLASS 115

TC

DT 307



SEATS	28 FIRST, 38 STANDARD
TOILETS	2
COMPARTMENTS	-
GUARDS COMPARTMENTS	-
VENTILATION	-
CATERING EQUIPMENT	-

ISSUE 1 DATE MAY 88

DT 307

BRAKES
BOGIE/SUSPENSION
BODY CONSTRUCTION
COUPLINGS
TRAIN HEATING
MAX.SPEED M.P.H.
MIN.RAD.CURVE CHAINS
LIGHTING
TARE WEIGHT TONNES
GANGWAYS
MULTIPLE WORKING CODE SYMBOL
BUFFERS

BASIC TYPE

VACUUM
DT9 MK 10 & MK 12(ONE OF EACH)
STEEL
SCREW
OIL BURNING AIR HEATER
70
3.5
TUNGSTEN
30.5
BRITISH STANDARD-W.R.SUSPENSION TYPE
BLUE SQUARE
SELF CONTAINED-559 DIA.OR 559 OVAL

ALTERNATIVES

FLUORESCENT & TUNGSTEN

TRACTION DATA FOR MULTIPLE UNITS

DMU-BUILDER BR DERBY

BASIC TYPE

DT 307 0A

VARIANTS

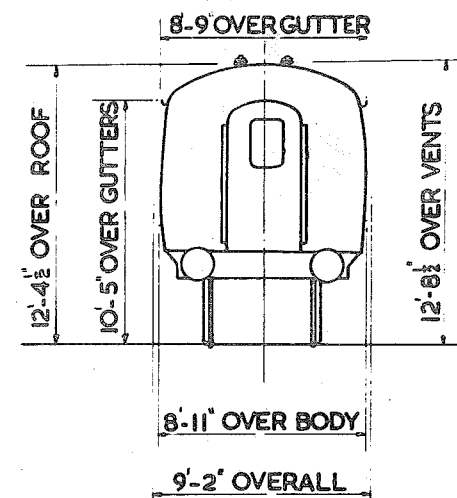
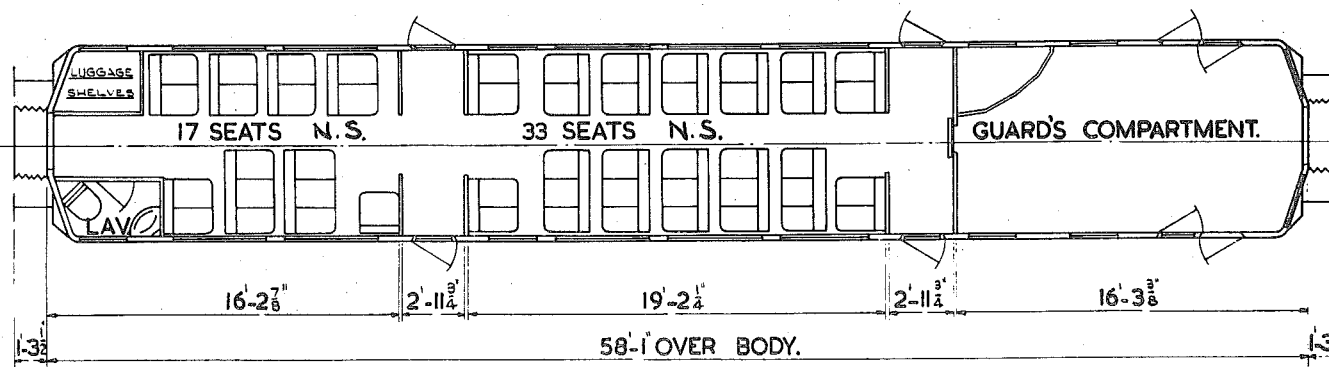
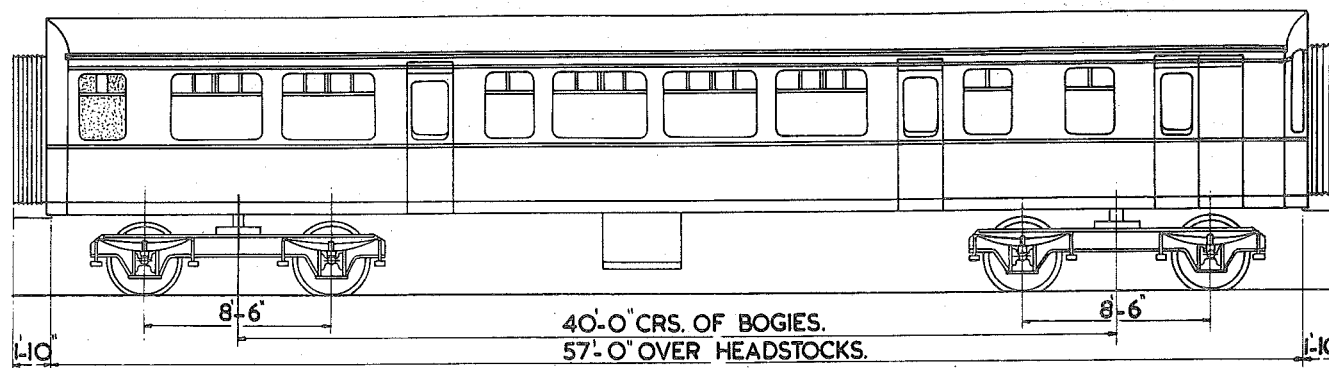
1B REFURBISHED-FLUORESCENT & TUNGSTEN LIGHTING.

TRAILER BRAKE SECOND

CLASS 108

TBS

DU 201



N.S. - NON SMOKING

SEATS	50
TOILETS	1
COMPARTMENTS	-
GUARDS COMPARTMENTS	1
VENTILATION	-
CATERING EQUIPMENT	-

ORIGINAL DIAGRAMS FOR REFERENCE.-
BR 546

ISSUE 2 DATE MAY 81

DU 201

BRAKES
BOGIE/SUSPENSION
BODY CONSTRUCTION
COUPLINGS
TRAIN HEATING
MAX. SPEED M.P.H.
MIN. RAD. CURVE CHAINS
LIGHTING
TARE WEIGHT TONNES
GANGWAYS
MULTIPLE WORKING CODE SYMBOL
BUFFERS

BASIC TYPE

VACUUM
DT8 MK 1 & MK 3 (ONE OF EACH)
STEEL UNDERFRAME & BODY FRAMING-ALUMINIUM BODY & ROOF
SCREW
OIL BURNING AIR HEATER
70
3.5
FLUORESCENT & TUNGSTEN
23.5
BRITISH STANDARD-MIDLAND SCISSORS TYPE
BLUE SQUARE
SELF CONTAINED-559 DIA. OR 559 OVAL

ALTERNATIVES

TRACTION DATA FOR MULTIPLE UNITS

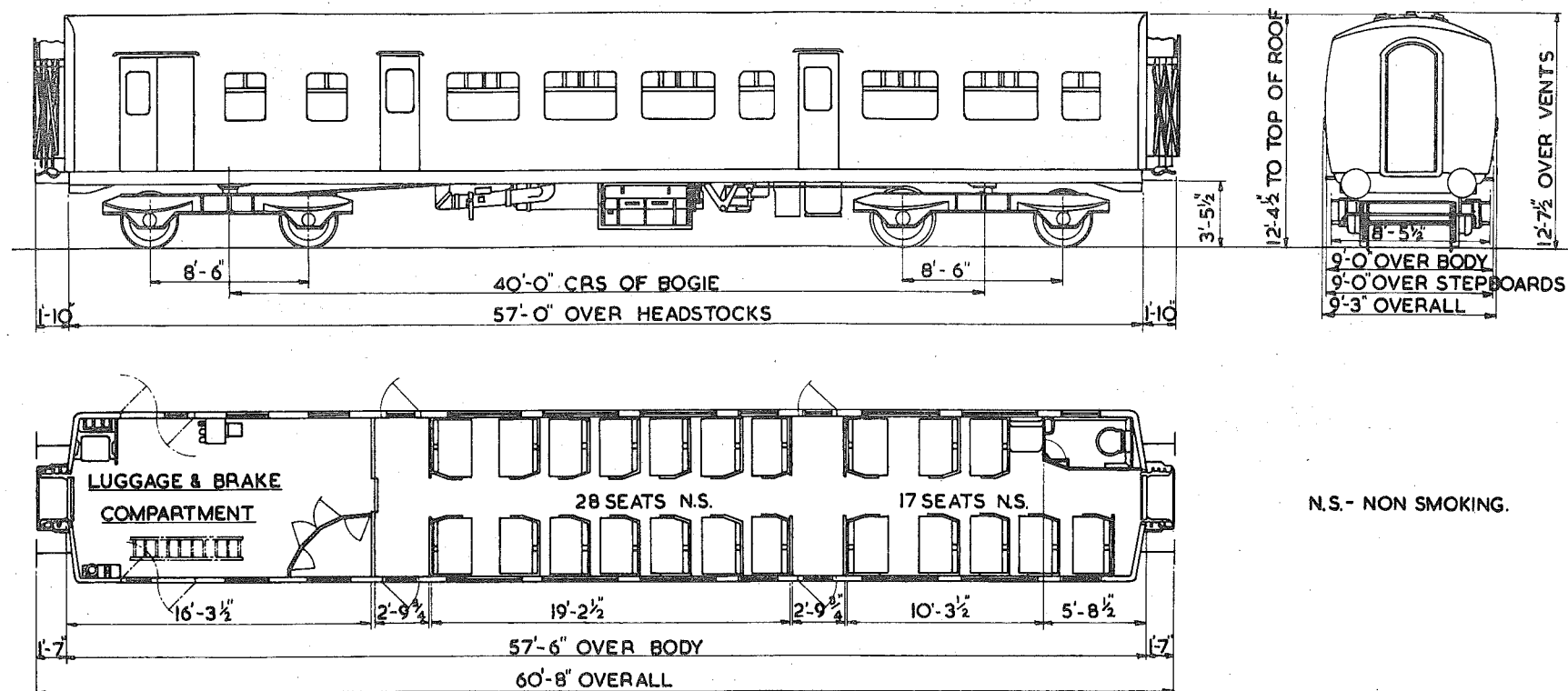
DMMU-BUILDER BR DERBY-LIGHTWEIGHT

BASIC TYPE

DU 201 1B-REFURBISHED

VARIANTS

NONE



N.S. - NON SMOKING.

SEATS	45
TOILETS	1
COMPARTMENTS	1
GUARDS COMPARTMENTS	1
VENTILATION	1
CATERING EQUIPMENT	1

ORIGINAL DIAGRAMS FOR REFERENCE.--
BR 626

ISSUE 2 DATE MAY '81

DU 202

BRAKES
BOGIE/SUSPENSION
BODY CONSTRUCTION
COUPLINGS
TRAIN HEATING
MAX. SPEED M.P.H.
MIN. RAD. CURVE CHAINS
LIGHTING
TARE WEIGHT TONNES
GANGWAYS
MULTIPLE WORKING CODE SYMBOL
BUFFERS

BASIC TYPE

VACUUM
DT11 MK 1
STEEL
SCREW
OIL BURNING AIR HEATER
70
3.5
TUNGSTEN
25.5
BRITISH STANDARD-MIDLAND SCISSORS TYPE
BLUE SQUARE
SELF CONTAINED-457 DIA.

ALTERNATIVES

FLUORESCENT & TUNGSTEN

TRACTION DATA FOR MULTIPLE UNITS

DMU-BUILDER METROPOLITAN CAMMELL

BASIC TYPE

DU 202 0A

VARIANTS

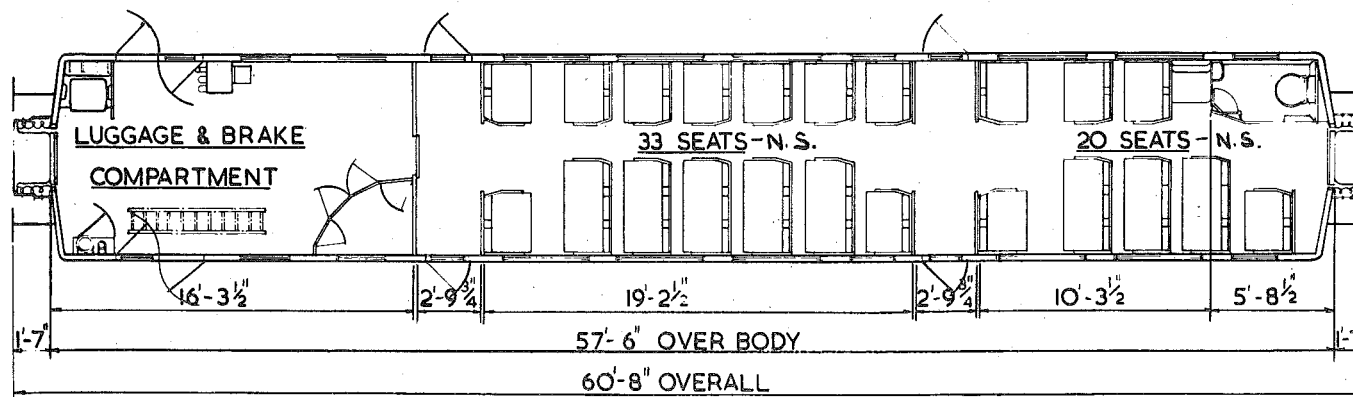
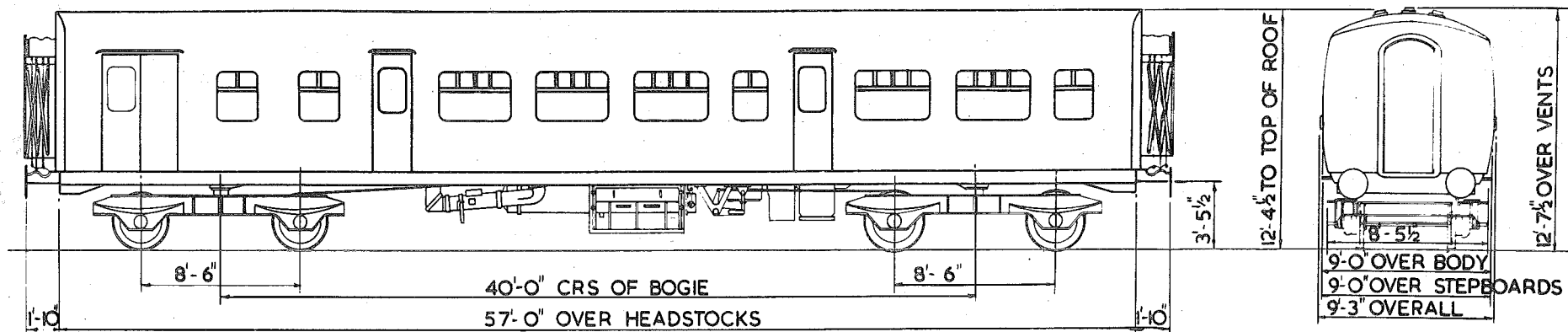
1B REFURBISHED-FLUORESCENT & TUNGSTEN LIGHTING.

TRAILER BRAKE SECOND

CLASS 101

TBS

DU 203



N.S. - NON SMOKING.

SEATS	53
TOILETS	1
COMPARTMENTS	-
GUARDS COMPARTMENTS	1
VENTILATION	-
CATERING EQUIPMENT	-

ORIGINAL DIAGRAMS FOR REFERENCE.-
BR 627

ISSUE 2
DATE MAY '81

DU 203

BRAKES
BOGIE/SUSPENSION
BODY CONSTRUCTION
COUPLINGS
TRAIN HEATING
MAX. SPEED M.P.H.
MIN. RAD. CURVE CHAINS
LIGHTING
TARE WEIGHT TONNES
GANGWAYS
MULTIPLE WORKING CODE SYMBOL
BUFFERS

BASIC TYPE

VACUUM
DT11 MK 1
STEEL
SCREW
OIL BURNING AIR HEATER
70
3.5
TUNGSTEN
25.5
BRITISH STANDARD-MIDLAND SCISSORS TYPE
BLUE SQUARE
SELF CONTAINED-457 DIA.

ALTERNATIVES

FLUORESCENT & TUNGSTEN

TRACTION DATA FOR MULTIPLE UNITS

DMMU-BUILDER

METROPOLITAN CAMELL

BASIC TYPE

DU 203 0A

VARIANTS

1B REFURBISHED-FLUORESCENT & TUNGSTEN LIGHTING.

DU 204

BASIC TYPE

ALTERNATIVES

BRAKES
BOGIE/SUSPENSION
BODY CONSTRUCTION
COUPLINGS
TRAIN HEATING
MAX. SPEED M.P.H.
MIN. RAD. CURVE CHAINS
LIGHTING
TARE WEIGHT TONNES
GANGWAYS
MULTIPLE WORKING CODE SYMBOL
BUFFERS

VACUUM
DT10 MK 1 & MK 2 (ONE OF EACH)
STEEL
SCREW
OIL BURNING AIR HEATER
70
3.5
TUNGSTEN
25.5
BRITISH STANDARD-MIDLAND SCISSORS TYPE
BLUE SQUARE
SELF CONTAINED-457 DIA.

TRACTION DATA FOR MULTIPLE UNITS

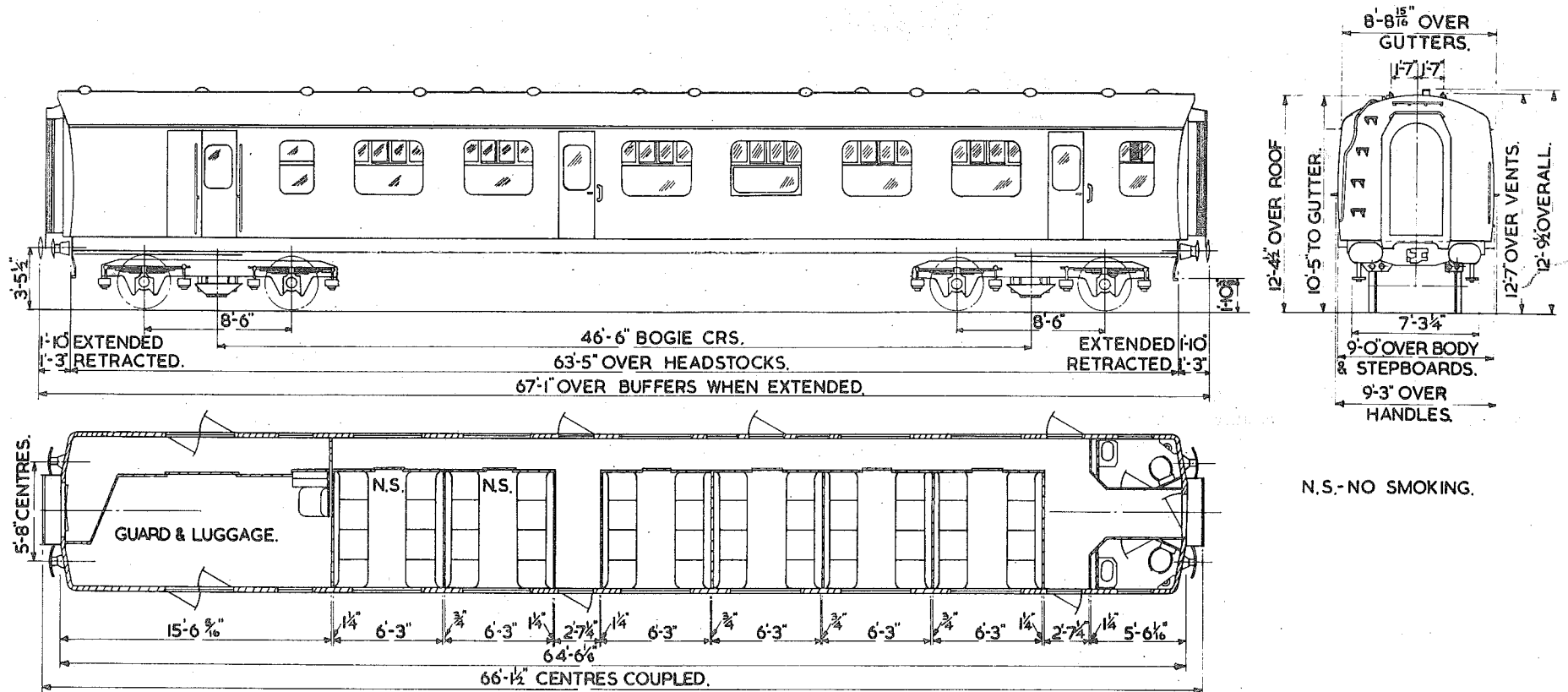
DMU-BUILDER BIRMINGHAM RAILWAY CARRIAGE & WAGON CO.LTD.

BASIC TYPE

DU 204 0A

VARIANTS

NONE



N.S.-NO SMOKING.

SEATS	48
TOILETS	2
COMPARTMENTS	6
GUARDS COMPARTMENTS	1
VENTILATION	-
CATERING EQUIPMENT	-

ISSUE
1DATE
JUN '81

DU 205

BRAKES
BOGIE/SUSPENSION
BODY CONSTRUCTION
COUPLINGS
TRAIN HEATING
MAX. SPEED H.P.H.
MIN. RAD. CURVE CHAINS
LIGHTING
TARE WEIGHT TONNES
GANGWAYS
A.V.S.
MULTIPLE WORKING CODE SYMBOL
BUFFERS

BASIC TYPE

VACUUM
DD3 WITH DRIVE REMOVED & RESPRUNG
STEEL
AUTOMATIC DROPHEAD (BUCKEYE)
OIL BURNING AIR HEATER
70
3.5
TUNGSTEN
37.5
PULLMAN
FITTED
BLUE SQUARE
RETRACTABLE SPINDLE-559X356 OVAL

ALTERNATIVES

TRACTION DATA FOR MULTIPLE UNITS

DMU-BUILDER BR SVINDON

BASIC TYPE

DU 205 0A

VARIANTS

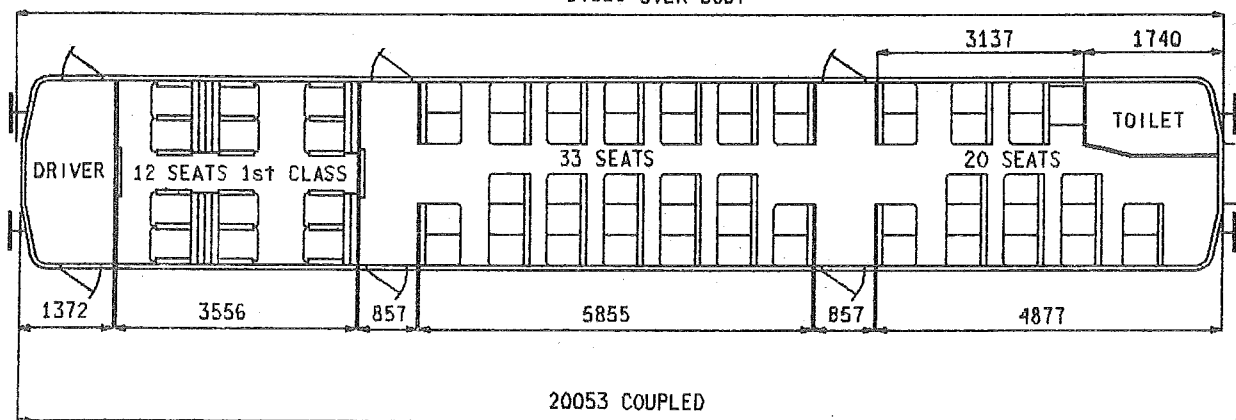
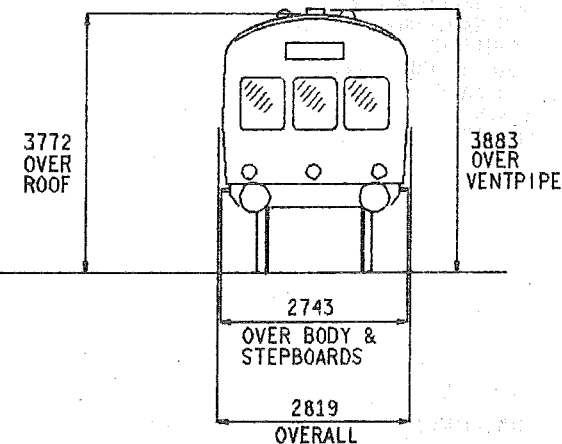
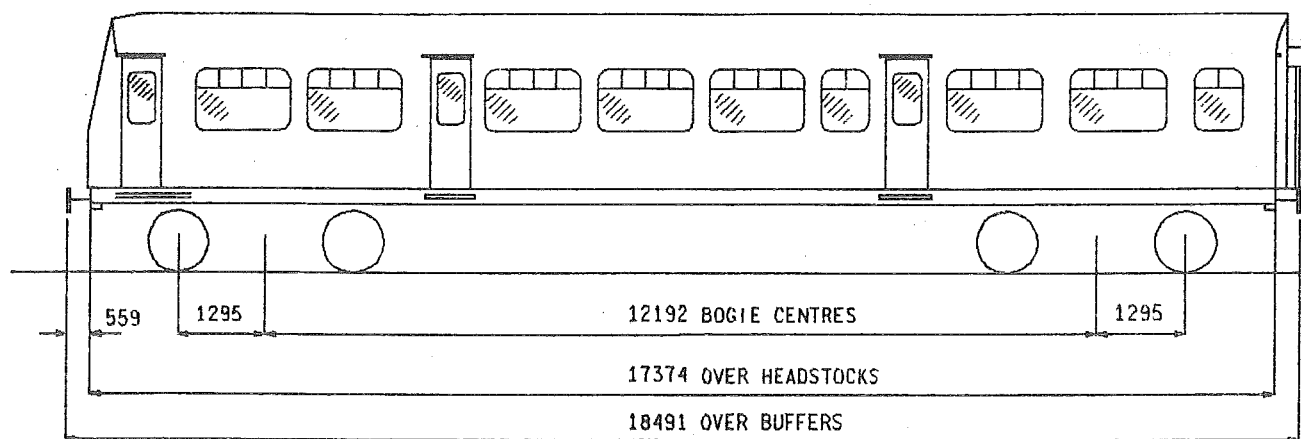
NONE

DRIVING MOTOR COMPOSITE-HALF POWERED

CLASS 111

DHC

DW 301



SEATS
TOILETS
COMPARTMENTS
GUARDS COMPARTMENTS
VENTILATION
CATERING EQUIPMENT

12 FIRST CLASS, 53 SECOND CLASS
1
-
-
-
-

ORIGINAL DIAGRAMS FOR REFERENCE:-
BR 616

ISSUE DATE
1 MAY 84

DW 301

BRAKES
BOGIE/SUSPENSION
BODY CONSTRUCTION
COUPLINGS
TRAIN HEATING
MAX.SPEED M.P.H.
MIN.RAD.CURVE CHAINS
LIGHTING
TARE WEIGHT TONNES
GANGWAYS
A.W.S.
MULTIPLE WORKING CODE SYMBOL
BUFFERS

BASIC TYPE

VACUUM
DD15 MK 2
STEEL
SCREW
OIL BURNING AIR HEATER
70
3.5
FLUORESCENT & TUNGSTEN
32
BRITISH STANDARD-MIDLAND SCISSORS TYPE
FITTED
BLUE SQUARE
SELF CONTAINED-457 DIA.

ALTERNATIVES

TRACTION DATA FOR MULTIPLE UNITS

DMMU-BUILDER METROPOLITAN CAMELL
ENGINES 1 X 180 HP ROLLS ROYCE 6 CYL.HORIZONTAL
TRANSMISSION MECHANICAL-CARDAN SHAFT & FREEWHEEL/4 SPEED EPICYCLIC GEARBOX/CARDAN SHAFT

BASIC TYPE

DW 301 1B-REFURBISHED

VARIANTS

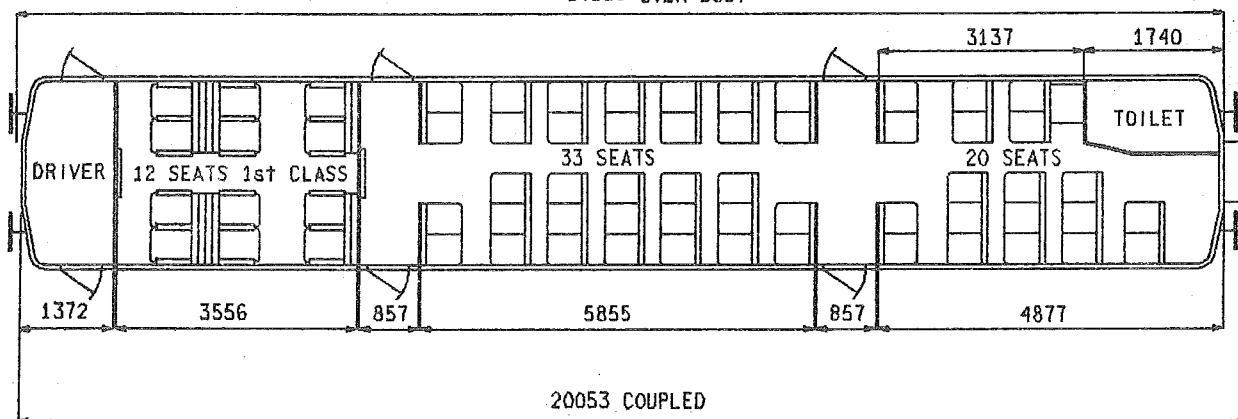
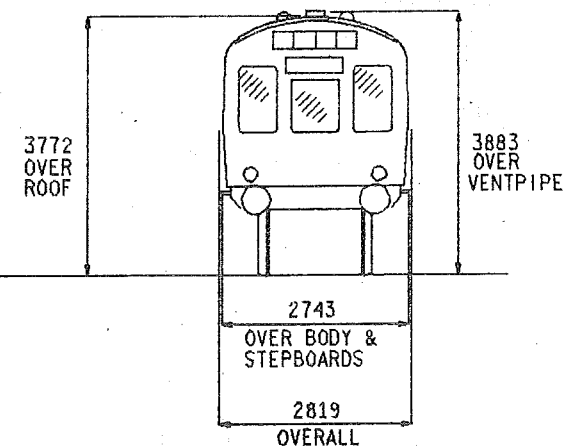
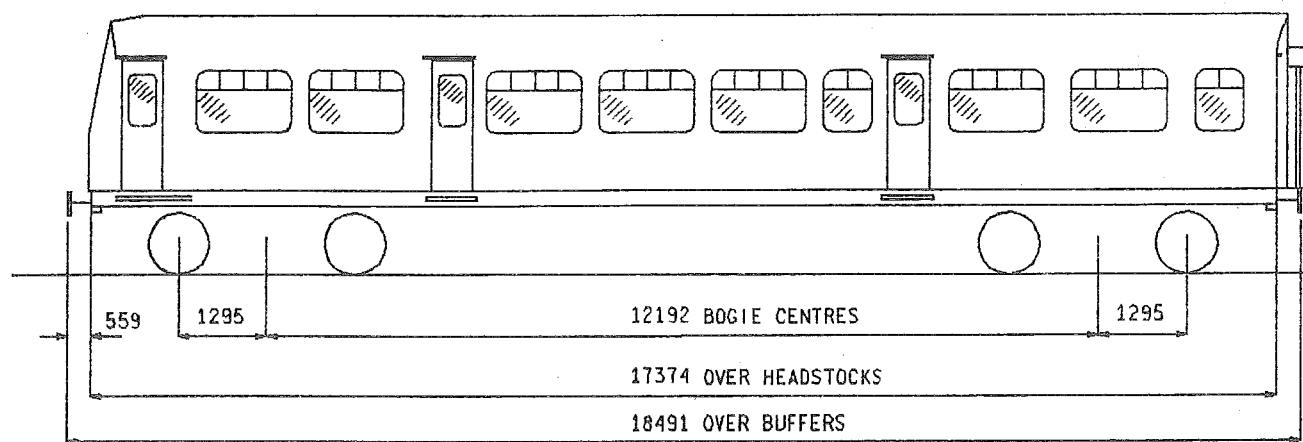
NONE

DRIVING MOTOR COMPOSITE-HALF POWERED

CLASS 111

DHC

DW 302



SEATS	12 FIRST CLASS, 53 SECOND CLASS
TOILETS	1
COMPARTMENTS	-
GUARDS COMPARTMENTS	-
VENTILATION	-
CATERING EQUIPMENT	-

ORIGINAL DIAGRAMS FOR REFERENCE:-
BR 617

ISSUE 1 DATE MAY 84

DW 302

BRAKES
BOGIE/SUSPENSION
BODY CONSTRUCTION
COUPLINGS
TRAIN HEATING
MAX.SPEED M.P.H.
MIN.RAD.CURVE CHAINS
LIGHTING
TARE WEIGHT TONNES
GANGWAYS
A.W.S.
MULTIPLE WORKING CODE SYMBOL
BUFFERS

BASIC TYPE

VACUUM
DD15 MK 3
STEEL
SCREW
OIL BURNING AIR HEATER
70
3.5
FLUORESCENT & TUNGSTEN
32
PULLMAN
FITTED
BLUE SQUARE
SELF CONTAINED-457 DIA.

ALTERNATIVES

TRACTION DATA FOR MULTIPLE UNITS

DMU-BUILDER BIRMINGHAM RAILWAY CARRIAGE & WAGON CO.LTD.
ENGINES 1 X 180 HP ROLLS ROYCE 6 CYL.HORIZONTAL
TRANSMISSION MECHANICAL-CARDAN SHAFT & FREEWHEEL/4 SPEED EPICYCLIC GEARBOX/CARDAN SHAFT

BASIC TYPE

DW 302 1B-REFURBISHED

VARIANTS

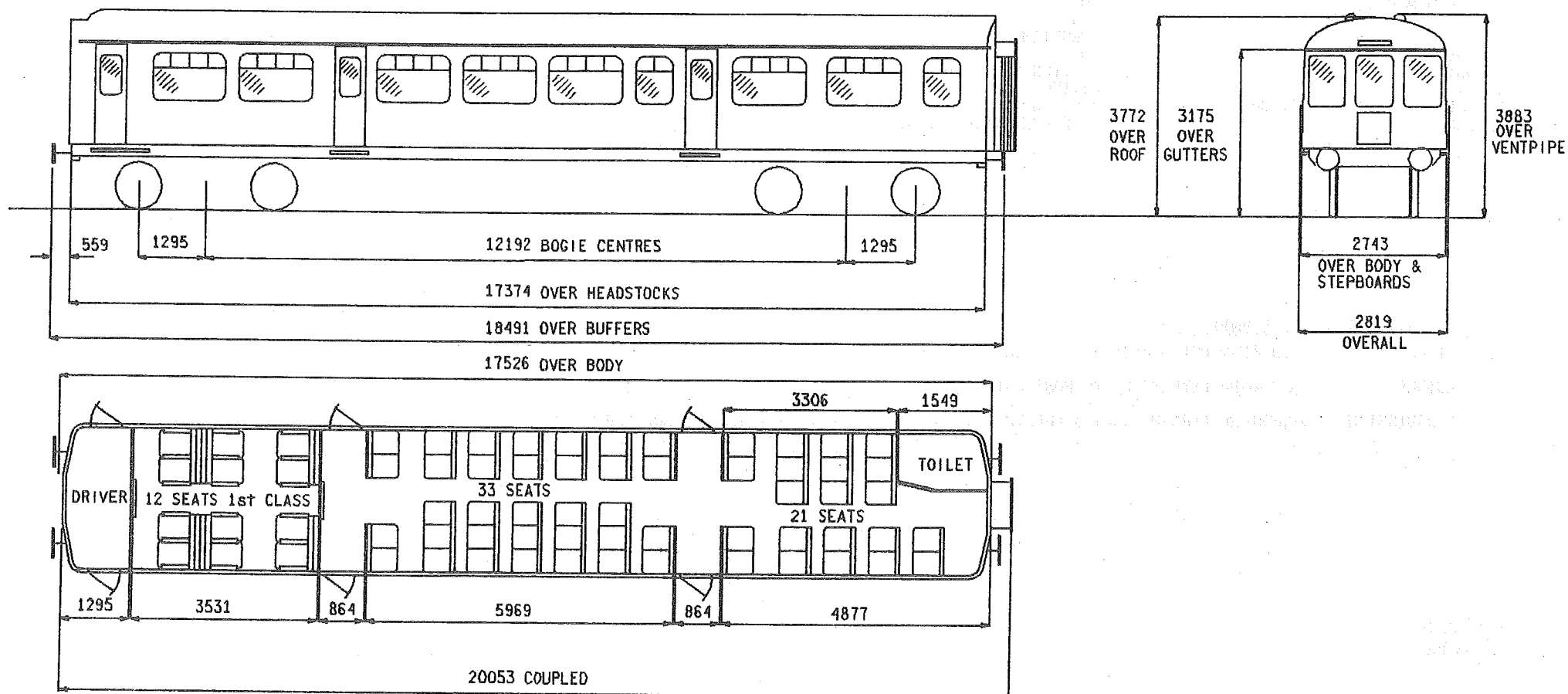
NONE

DRIVING MOTOR COMPOSITE-HALF POWERED

CLASS 104

DHC

DW 303



SEATS	12 FIRST CLASS, 54 SECOND CLASS
TOILETS	1
COMPARTMENTS	-
GUARDS COMPARTMENTS	-
VENTILATION	-
CATERING EQUIPMENT	-

ORIGINAL DIAGRAMS FOR REFERENCE:-
BR 558

ISSUE 2 DATE MAY 84

DW 303

BRAKES
BOGIE/SUSPENSION
BODY CONSTRUCTION
COUPLINGS
TRAIN HEATING
MAX.SPEED M.P.H.
MIN.RAD.CURVE CHAINS
LIGHTING
TARE WEIGHT TONNES
GANGWAYS
A.W.S.
MULTIPLE WORKING CODE SYMBOL
BUFFERS

BASIC TYPE

VACUUM
DD14 MK 1
STEEL
SCREW
OIL BURNING AIR HEATER
70
3.5
TUNGSTEN
30
BRITISH STANDARD-MIDLAND SCISSORS TYPE
FITTED
BLUE SQUARE
SELF CONTAINED-457 DIA.

ALTERNATIVES

TRACTION DATA FOR MULTIPLE UNITS

DMMU-BUILDER	BIRMINGHAM RAILWAY CARRIAGE & WAGON CO.LTD.
ENGINES	1 X 150 HP LEYLAND 6 CYL.HORIZONTAL
TRANSMISSION	MECHANICAL-CARDAN SHAFT & FREEWHEEL/4 SPEED EPICYCLIC GEARBOX/CARDAN SHAFT

BASIC TYPE

DW 303 0A

VARIANTS

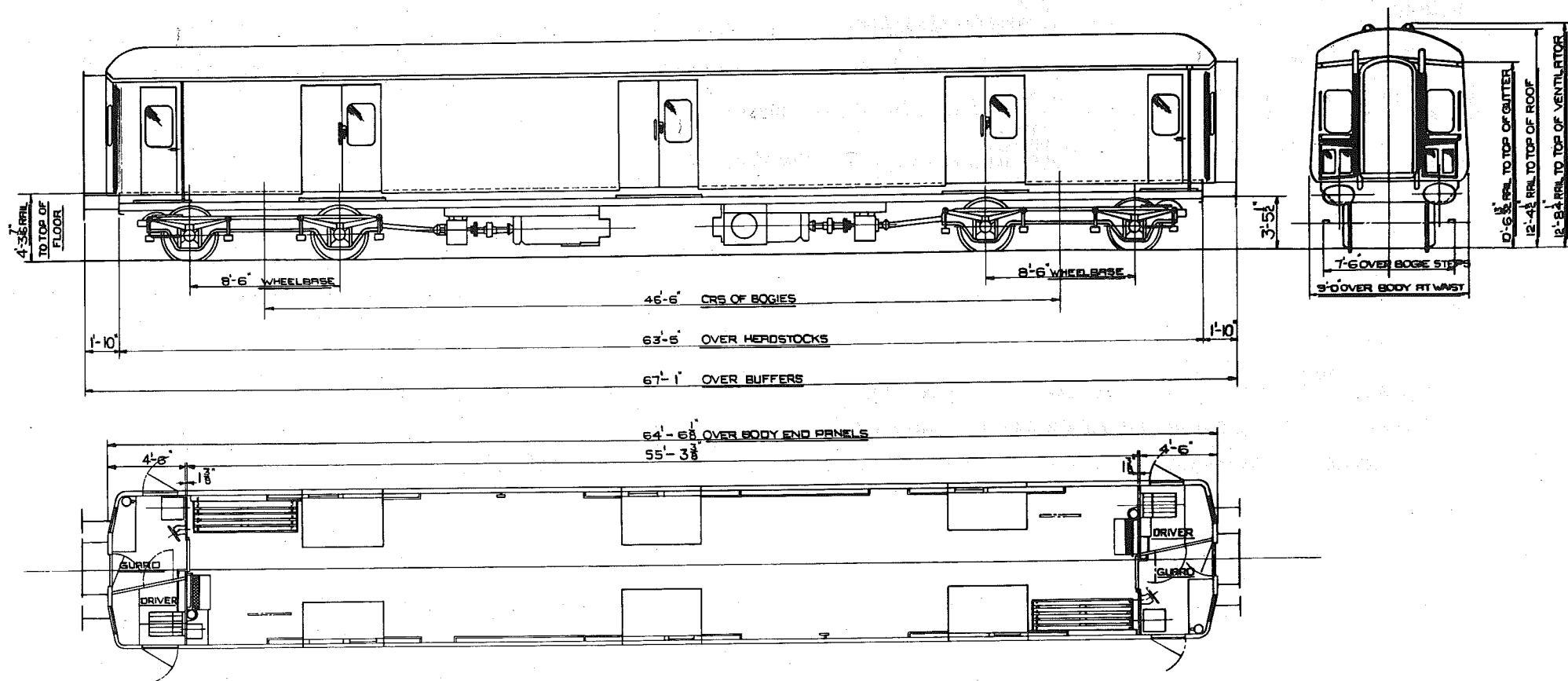
NONE

DRIVING MOTOR LUGGAGE VAN

CLASS 128

DMLV

DX 501



SEATS
TOILETS
COMPARTMENTS
GUARDS COMPARTMENTS
VENTILATION
CATERING EQUIPMENT

2-TRAILING CAB

ORIGINAL DIAGRAMS FOR REFERENCE.-
BR 643

ISSUE 1
DATE SEP' 80

DX 501

BRAKES
BOGIE/SUSPENSION
BODY CONSTRUCTION
COUPLINGS
TRAIN HEATING
MAX.SPEED M.P.H.
MIN.RAD.CURVE CHAINS
LIGHTING
TARE WEIGHT TONNES
GANGWAYS
A.V.S.
MULTIPLE WORKING CODE SYMBOL
BUFFERS

BASIC TYPE

VACUUM
UNIDENTIFIED
STEEL
SCREW
OIL BURNING AIR HEATER
70
3.5
ELECTRIC
41.5
BRITISH STANDARD-V.R.SUSPENSION TYPE
FITTED
BLUE SQUARE
SELF CONTAINED-559 DIA.OR 559 OVAL

ALTERNATIVES

TRACTION DATA FOR MULTIPLE UNITS

DMMU-BUILDER	GLOUCESTER RAILWAY CARRIAGE & WAGON CO LTD.
ENGINES	2 X 230 HP LEYLAND ALBION 6 CYL.HORIZONTAL
TRANSMISSION	MECHANICAL-CARDAN SHAFT & FREEWHEEL/4 SPEED EPICYCLIC GEARBOX/CARDAN SHAFT

BASIC TYPE

DX 501 0A

VARIANTS

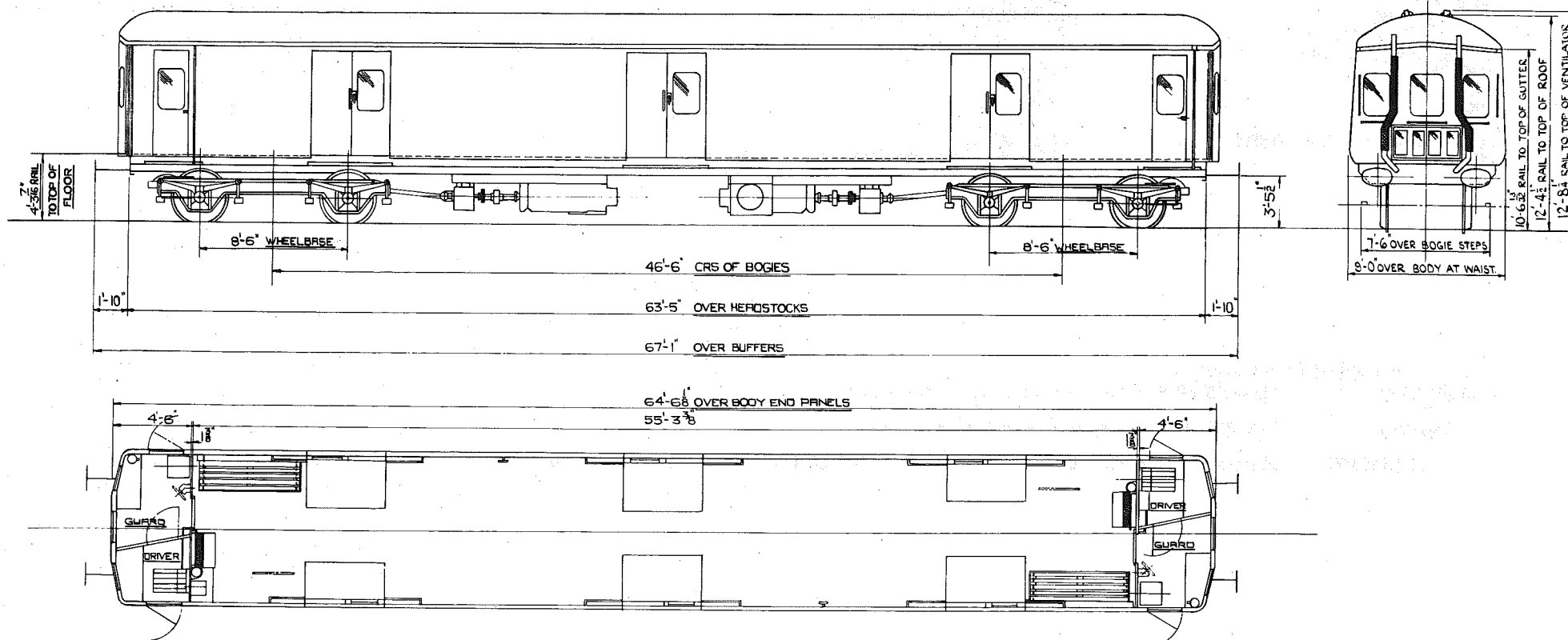
NONE

DRIVING MOTOR LUGGAGE VAN

CLASS 128

DMLV

DX 502



SEATS
TOILETS
COMPARTMENTS
GUARDS COMPARTMENTS
VENTILATION
CATERING EQUIPMENT

2-TRAILING CAB

ORIGINAL DIAGRAMS FOR REFERENCE, -
BR 644

ISSUE 1
DATE SEP' 80

DX 502

BRAKES
BOGIE/SUSPENSION
BODY CONSTRUCTION
COUPLINGS
TRAIN HEATING
MAX.SPEED M.P.H.
MIN.RAD.CURVE CHAINS
LIGHTING
TARE VEIGHT TONNES
GANGWAYS
A.V.S.
MULTIPLE WOKING CODE SYMBOL
BUFFERS

BASIC TYPE

VACUUM
UNIDENTIFIED
STEEL
SCREV
OIL BURNING AIR HEATER
70
3.5
ELECTRIC
40.5
NOT FITTED
NOT FITTED
BLUE SQUARE
SELF CONTAINED-559 DIA.OR 559 OVAL

ALTERNATIVES

TRACTION DATA FOR MULTIPLE UNITS

DMU-BUILDER	GLOUCESTER RAILWAY CARRIAGE & WAGON CO LTD.
ENGINES	2 X 230 HP LEYLAND ALBION 6 CYL.HORIZONTAL
TRANSMISSION	MECHANICAL-CARDAN SHAFT & FREEWHEEL/4 SPEED EPICYCLIC GEARBOX/CARDAN SHAFT

BASIC TYPE

DX 502 0A

VARIANTS

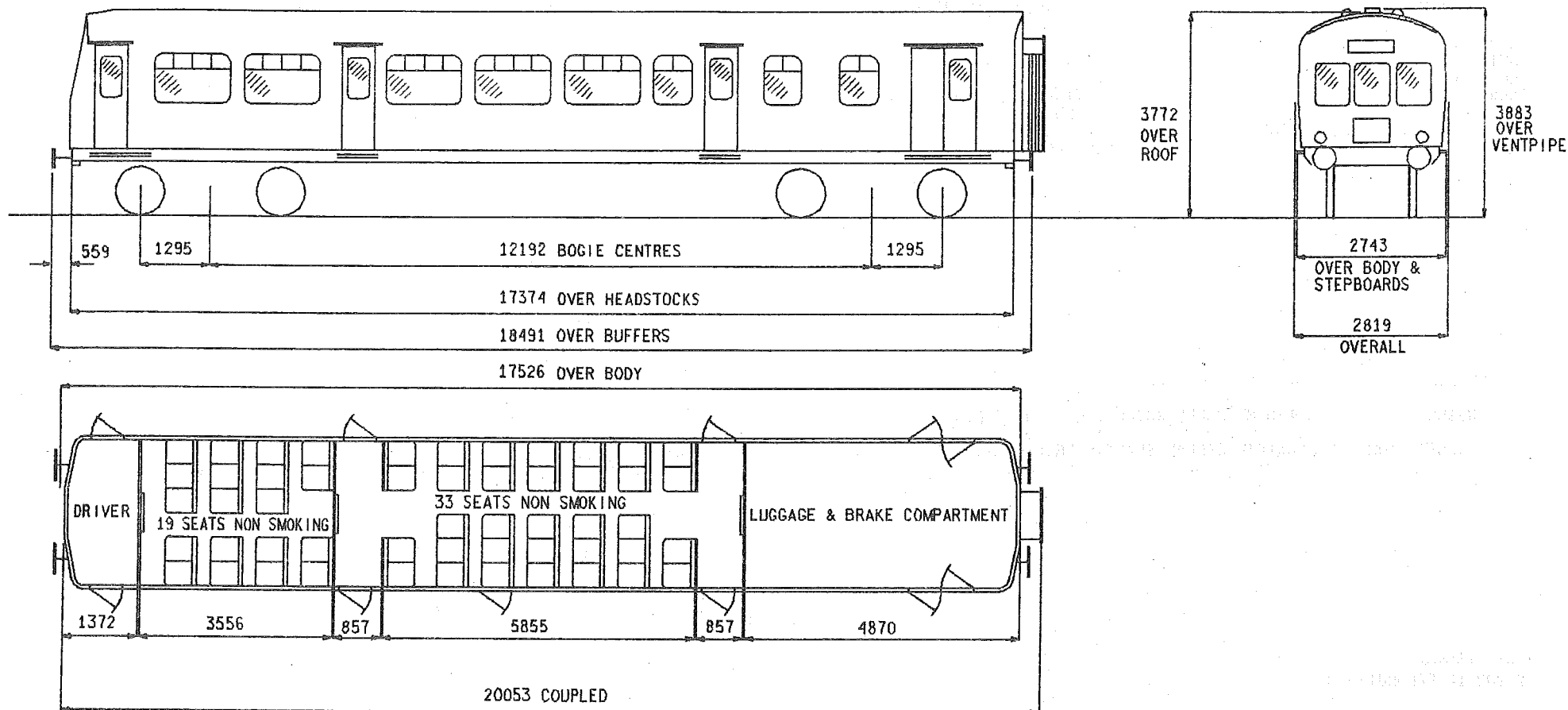
NONE

DRIVING MOTOR BRAKE SECOND-HALF POWERED

CLASS 111

DHBS

DY 202



SEATS	52
TOILETS	-
COMPARTMENTS	-
GUARDS COMPARTMENTS	1
VENTILATION	-
CATERING EQUIPMENT	-

ORIGINAL DIAGRAMS FOR REFERENCE:-
BR 524

ISSUE 1 DATE MAY 84

DY 202

BASIC TYPE

BRAKES
BOGIE/SUSPENSION
BODY CONSTRUCTION
COUPLINGS
TRAIN HEATING
MAX.SPEED M.P.H.
MIN.RAD.CURVE CHAINS
LIGHTING
TARE WEIGHT TONNES
GANGWAYS
A.W.S.
MULTIPLE WORKING CODE SYMBOL
BUFFERS

VACUUM
DD15 MK 2
STEEL
SCREW
OIL BURNING AIR HEATER
70
3.5
FLUORESCENT & TUNGSTEN
31
BRITISH STANDARD-MIDLAND SCISSORS TYPE
FITTED
BLUE SQUARE
SELF CONTAINED-457 DIA.

ALTERNATIVES

DD15 MK 3

TRACTION DATA FOR MULTIPLE UNITS

DMMU-BUILDER METROPOLITAN CAMELL

ENGINES 1 X 180 HP ROLLS ROYCE 6 CYL.HORIZONTAL

TRANSMISSION MECHANICAL-CARDAN SHAFT & FREEWHEEL/4 SPEED EPICYCLIC GEARBOX/CARDAN SHAFT

BASIC TYPE

DY 202 1C-REFURBISHED

VARIANTS

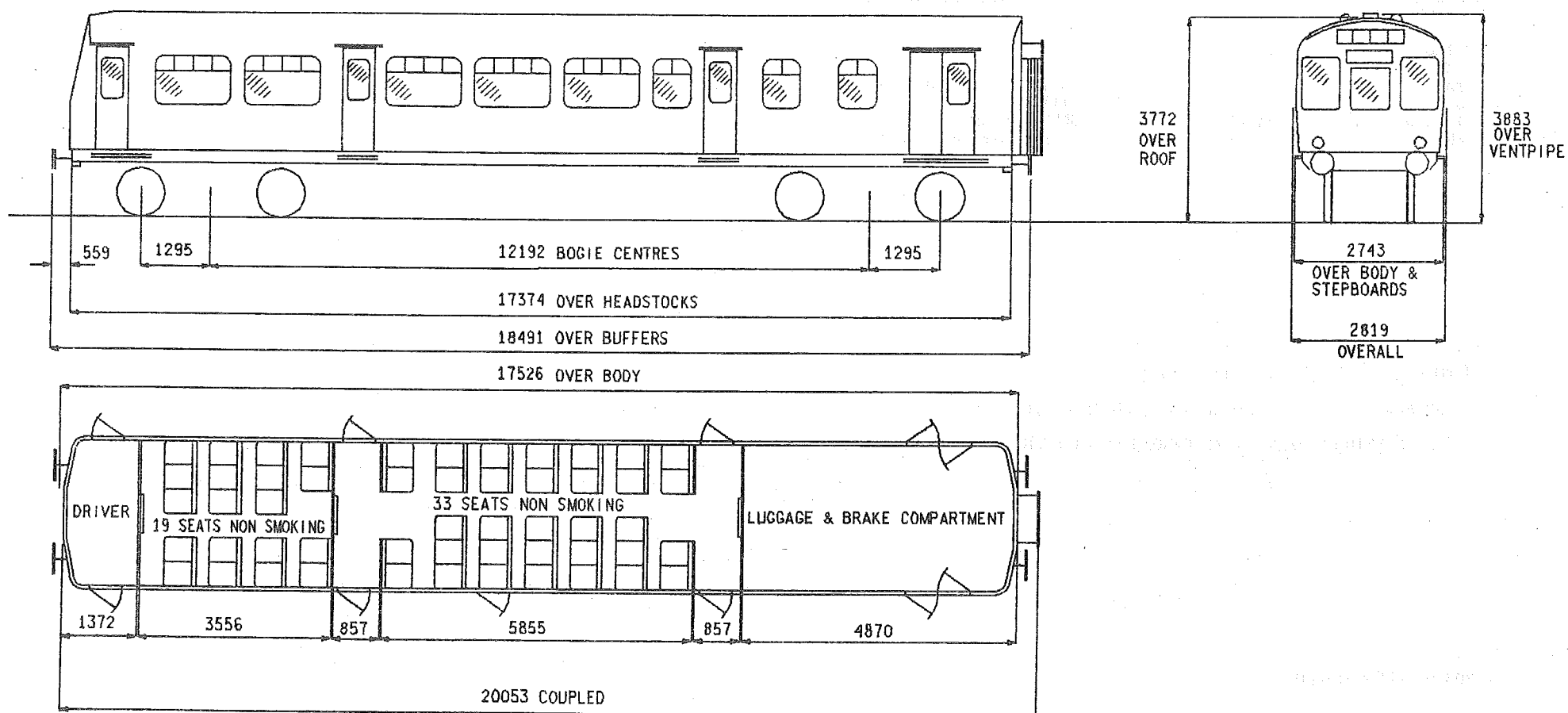
1D DD15 MK 3 BOGIES.

DRIVING MOTOR BRAKE SECOND-HALF POWERED

CLASS 111

DHBS

DY 203



SEATS	52
TOILETS	-
COMPARTMENTS	-
GUARDS COMPARTMENTS	1
VENTILATION	-
CATERING EQUIPMENT	-

ORIGINAL DIAGRAMS FOR REFERENCE:-
BR 615

ISSUE	DATE
1	MAY 84

DY 203

BRAKES
BOGIE/SUSPENSION
BODY CONSTRUCTION
COUPLINGS
TRAIN HEATING
MAX.SPEED M.P.H.
MIN.RAD.CURVE CHAINS
LIGHTING
TARE WEIGHT TONNES
GANGWAYS
A.W.S.
MULTIPLE WORKING CODE SYMBOL
BUFFERS

BASIC TYPE

VACUUM
DD15 MK 3
STEEL
SCREW
OIL BURNING AIR HEATER
70
3.5
TUNGSTEN
32
BRITISH STANDARD-MIDLAND SCISSORS TYPE
FITTED
BLUE SQUARE
SELF CONTAINED-457 DIA.

ALTERNATIVES

TRACTION DATA FOR MULTIPLE UNITS

DMMU-BUILDER METROPOLITAN CAMELL

ENGINES 1 X 180 HP ROLLS ROYCE 6 CYL.HORIZONTAL

TRANSMISSION MECHANICAL-CARDAN SHAFT & FREEWHEEL/4 SPEED EPICYCLIC GEARBOX/CARDAN SHAFT

BASIC TYPE

DY 203 0A-REFURBISHED

VARIANTS

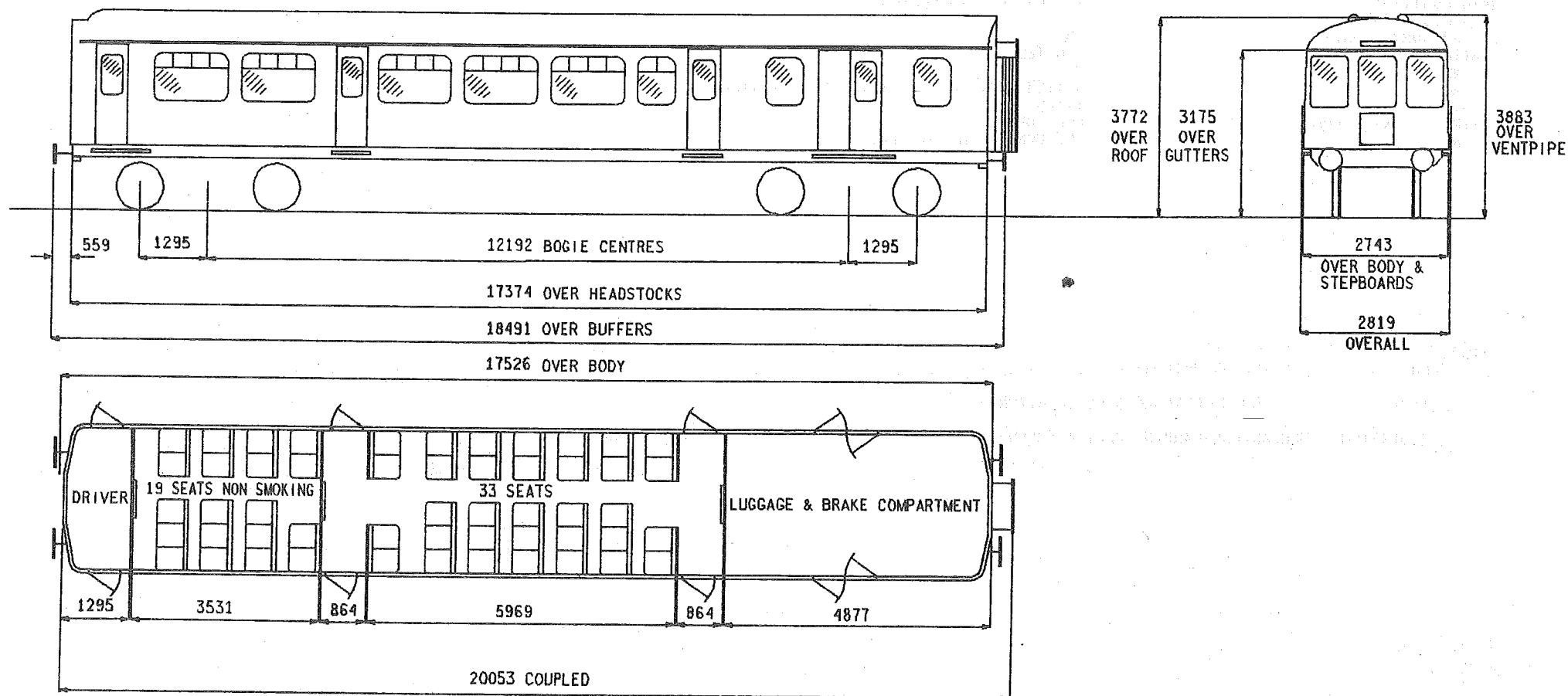
NONE

DRIVING MOTOR BRAKE SECOND-HALF POWERED

CLASS 104

DHBS

DY 204



SEATS	52
TOILETS	-
COMPARTMENTS	-
GUARDS COMPARTMENTS	1
VENTILATION	-
CATERING EQUIPMENT	-

ORIGINAL DIAGRAMS FOR REFERENCE:-
BR 556

ISSUE 2 DATE MAY 84

DY 204

BRAKES
BOGIE/SUSPENSION
BODY CONSTRUCTION
COUPLINGS
TRAIN HEATING
MAX.SPEED M.P.H.
MIN.RAD.CURVE CHAINS
LIGHTING
TARE WEIGHT TONNES
GANGWAYS
A.W.S.
MULTIPLE WORKING CODE SYMBOL
BUFFERS

BASIC TYPE

VACUUM
DD14 MK 1
STEEL
SCREW
OIL BURNING AIR HEATER
TO
3.5
TUNGSTEN
30
BRITISH STANDARD-MIDLAND SCISSORS TYPE
FITTED
BLUE SQUARE
SELF CONTAINED-457 DIA.

ALTERNATIVES

TRACTION DATA FOR MULTIPLE UNITS

DMU-BUILDER BIRMINGHAM RAILWAY CARRIAGE & WAGON CO.LTD.
ENGINES 1 X 150 HP LEYLAND 6 CYL.HORIZONTAL
TRANSMISSION MECHANICAL-CARDAN SHAFT & FREEWHEEL/4 SPEED EPICYCLIC GEARBOX/CARDAN SHAFT

BASIC TYPE

DY 204 0A

VARIANTS

NONE

VEHICLE DIAGRAM BOOK
NO. 220
FOR DIESEL MULTIPLE UNIT TRAINS
(RAILCARS)

REVISION LETTER NO. 16

<u>LOCATION</u>	<u>ACTION</u>	<u>REASON FOR CHANGE</u>
In alpha/numerical order	Insert new diagrams DP 248, 249, 317, DQ 232, DT 228	First issue

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: JANUARY 1989

REF : 171-125-2

Issue by:-

D of M & EE, BRB
Railway Technical Centre
Derby

VEHICLE DIAGRAM BOOK
NO. 220
FOR DIESEL MULTIPLE UNIT TRAINS
(RAILCARS)
REVISION LETTER NO. 15

<u>LOCATION</u>	<u>ACTION</u>	<u>REASON FOR CHANGE</u>
Index of DMU Vehicle Numbers to Design Code, pages 1 to 12	Remove and destroy ✓	Out of date For up-to-date information contact Rolling Stock Library, Trent House, RTC.
Diagrams DP 239, 302 and 303	Replace with) latest issue of) these diagrams) ✓	Diagrams up-dated
In alpha/numerical order	Insert new diagrams DQ 233, DR 205, 206, DT 229 and DT 307 ✓	First issue

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 : JUNE 1988

Ref : 171-125-2

Tel : 056-3582

Issued by:-

D of M & EE, BRB
Railway Technical Centre
Derby

VEHICLE DIAGRAM BOOK
NO. 220
FOR DIESEL MULTIPLE UNIT TRAINS
(RAILCARS)
REVISION LETTER NO. 14

<u>LOCATION</u>	<u>ACTION</u>	<u>REASON FOR CHANGE</u>
Diagrams DP 234, and 235 ✓	Replace with latest issue of these pages	Diagrams up-dated
In alpha/numerical order	Insert new diagrams DP 240, 241, 244 to 247, and DT 226 ✓	First issue

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 : September 1987

Ref : 171-125-2

Tel : 056-3582

Issued by:-

D of M & EE, BRB
Railway Technical Centre
Derby

2333/1336j/3

VEHICLE DIAGRAM BOOK
NO.220
FOR DIESEL MULTIPLE UNIT TRAINS
(RAILCARS)
REVISION LETTER NO.13

<u>LOCATION</u>	<u>ACTION</u>	<u>REASON FOR CHANGE</u>
In alpha/numerical order	Insert new diagrams DP 242 and 243	First issue

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 : February 1987

Ref : 171-125-2

Tel : 056 3582

Issued by:-

D of M & EE, BRB
Railway Technical Centre
Derby

VEHICLE DIAGRAM BOOK
NO 220
FOR DIESEL MULTIPLE UNIT TRAINS
(RAILCARS)
REVISION LETTER NO 12

LOCATION	ACTION	REASON FOR CHANGE
Diagrams DQ 220 and 301	Replace with latest issue of these pages	Diagrams up-dated
In alpha/numerical order	Insert new Diagram DT 227	First Issue

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: JULY 1986

REF: 171-125-2

TEL: 056-3582

Issued by:-

D of M & EE, BRB
Railway Technical Centre
Derby

VEHICLE DIAGRAM BOOK
NO. 220
FOR DIESEL MULTIPLE UNIT TRAINS
(RAILCARS)
REVISION LETTER NO. 11

<u>LOCATION</u>	<u>ACTION</u>	<u>REASON FOR CHANGE</u>
Diagrams DP 201, 215, 221, 235, 303, 304, 313, 314, 315, DQ 203, 211, 215, 217, DS 201, 312, DT 205 and 220.	Replace with latest issue of these pages.	Diagrams up-dated.

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: MARCH 1986

REF: 171-125-2

TEL: 056-3582

Issued by:-

D of M & EE, BRB
Railway Technical Centre
Derby

2303/1783s/3

VEHICLE DIAGRAM BOOK
NO.220
FOR DIESEL MULTIPLE UNIT TRAINS
(RAILCARS)
REVISION LETTER NO.10

<u>LOCATION</u>	<u>ACTION</u>	<u>REASON FOR CHANGE</u>
In numerical order	Insert new Diagrams DP 234 to 239	First issue

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 1985

REF: 171-125-2

TEL: 056-3582

Issued by:-

D of M & EE, BRB
Railway Technical Centre
Derby

2336/00601/3

VEHICLE DIAGRAM BOOK
NO.220
FOR DIESEL MULTIPLE UNIT TRAINS
(RAILCARS)
REVISION LETTER NO.9

<u>LOCATION</u>		<u>ACTION</u>		<u>REASON FOR CHANGE</u>
Diagrams DP230,	)		)	
231, DR202,	)	Replace with Issue 2	)	Diagrams up-dated
and 203	)	of these Diagrams	)	

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: MARCH 1985

REF : 171-125-2

TEL : 056-3582

Issued by:-

D of M & EE, BRB
Railway Technical Centre
Derby

VEHICLE DIAGRAM BOOK
NO. 220
FOR DIESEL MULTIPLE UNIT TRAINS
(RAILCARS)

REVISION LETTER NO. 8

<u>LOCATION</u>	<u>ACTION</u>	<u>REASON FOR CHANGE</u>
Diagrams DW 303 and DY 204	Replace with Issue 2 of these pages	Diagrams up-dated
In numerical order	Insert new diagrams DP 230, 231, 232, 233, DR 202, 203, 204 DW 301, 302 DY 202 and 203	First Issue

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 : June 1984

Ref : 171-125-2

Tel : 056 3582

Issued by:-

D of M & EE, BRB
Railway Technical Centre
Derby

2317/09871/3

VEHICLE DIAGRAM BOOK
NO. 220
FOR DIESEL MULTIPLE UNIT TRAINS
(RAILCARS)
REVISION LETTER NO. 7

<u>LOCATION</u>	<u>ACTION</u>	<u>REASON FOR CHANGE</u>
Diagrams DS 306, and DT 203, Issue 2	Replace with Issue 3 of these diagrams	) Diagrams up-dated)
In numerical order	Insert new diagrams DW 303, and DY 204	First issue

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: February 1984

REF: 171-125-2

TEL: 056-3582

Issued by:

D of M & EE, BRB
Railway Technical Centre
Derby

VEHICLE DIAGRAM BOOK
NO. 220
FOR DIESEL MULTIPLE UNIT TRAINS
(RAILCARS)
REVISION LETTER NO. 6

<u>LOCATION</u>	<u>ACTION</u>	<u>REASON FOR CHANGE</u>
Diagrams DP 215, DP 228 and DT 214	Replace with Issues 4, 2 and 3 of these pages	Diagrams up-dated
Diagrams DP 208, DP 225, DP 226, DR 201, DS 202, DT 223 and DT 224	Remove and destroy these diagrams	No longer required

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.

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VEHICLE DIAGRAM BOOK

NO. 220

FOR DIESEL MULTIPLE UNIT TRAINS

(RAILCARS)

REVISION LETTER NO. 5

<u>LOCATION</u>	<u>ACTION</u>	<u>REASON FOR CHANGE</u>
In numerical order	Insert new diagrams DP 226, DP 228, and DP 229	First issue
Diagram DP 227	Replace with Issue 2 of this page	Diagram up-dated

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.

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REVISION LETTER NO 4

<u>LOCATION</u>	<u>ACTION</u>	<u>REASON FOR CHANGE</u>
Diagrams DP 212 DS 206 and 207	Replace with Issues 2) 3 and 4 of these pages) and insert new Diagram) DP 227)	Diagrams up-dated

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.

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REVISION LETTER NO 3

<u>Location</u>	<u>Action</u>	<u>Reason for Change</u>
Preface page	Replace with new issue dated July 1982	Preface page up-dated
Diagrams DP214, 215,) DQ101, 211, 216,) DS206, 210,) and DT202 Issue 2)	Replace with Issue 3) of these pages)))	Diagrams up-dated
Diagram DT 221	Remove and destroy this diagram	No longer required

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.

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VEHICLE DIAGRAM BOOK
NO 220
FOR DIESEL MULTIPLE UNIT TRAINS
(RAILCARS)
REVISION LETTER NO 1

<u>LOCATION</u>	<u>ACTION</u>	<u>REASON FOR CHANGE</u>
Diagrams DP 201, 202,) 209, 210, 213, 214, 215) 216, 217, 218, 219, 220, 221) 222, 223, 301, 302, 303) 304, 305, 306, 307, 308) 310, 311, 312, 313, 314) 315, 316, DQ 101, 201) 202, 203, 204, 205, 206) 207, 208, 209, 210, 211) 212, 213, 214, 215, 216, 217) 220, 221, 227, 229, 230, 231, 301, 302) DS 201, 202, 203, 204) 205, 206, 207, 208, 209) 210, 302, 303, 304, 306) 307, 308, 309, 310, 311) 312, 313, 314, DT 201) 202, 203, 204, 205, 206) 207, 208, 209, 212, 214) 215, 216, 217, 218, 219) 220, 221, 223, 224, 225) 301, 302, 303, 305, 306) DU 201, 202, 203 and) 204)	Replace with Issue 2 of these pages	Diagrams up-dated

Following DU 204

Insert Diagram DU 205 New issue

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.

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REVISION LETTER NO 2.

LOCATION	ACTION	REASON FOR CHANGE
Preface page	Replace with new issue, dated Dec 81	Preface page up-dated
Diagrams DP 223, 312 and DQ 210 Issue 2	Replace with Issue 3 of these pages	Diagrams up-dated

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.

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