

FRICHS

DIESELLOCOMOTIVES AND RAILCARS

LIST OF REFERENCES

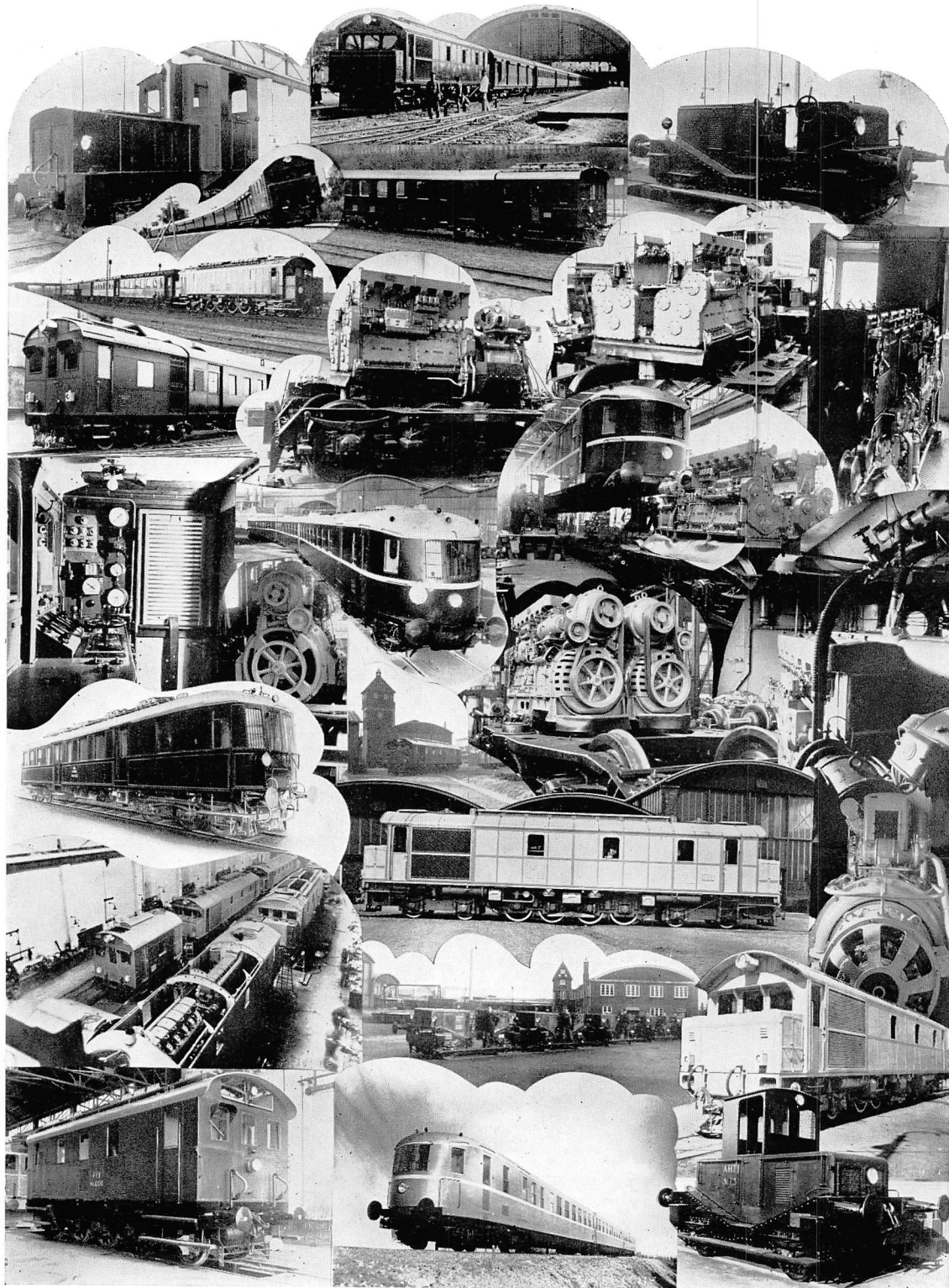
FRICHS
DIESELLOCOMOTIVE
WORKS

AARHUS

DENMARK

FRICHS

DIESELLOCOMOTIVES AND RAILCARS



EXAMPLES OF **FRICHS** DIESEL RAILWAY VEHICLES

JULY 1936:

165 DIESEL RAILWAY VEHICLES

BUILT BY OR UNDER CONSTRUCTION
IN THE WORKS OF FRICHS
AND ASSOCIATES

FOR

SHUNTING YARD, GOODS, MIXED TRAIN
PASSENGER AND MAIN LINE
EXPRESS TRAIN SERVICE

76 DIESEL LOCOMOTIVES

IN SIZES FROM 65-1,600 HP.

80 DIESEL RAILCARS

IN SIZES FROM 125-550 HP.

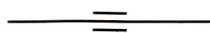
9 HIGH-SPEED TRAINS

IN SIZES FROM 880-1,100 HP.

TOTAL HORSEPOWER FOR RAILWAY SERVICE

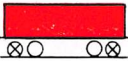
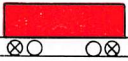
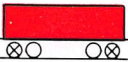
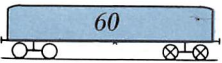
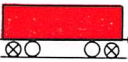
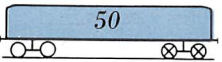
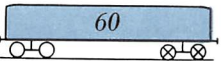
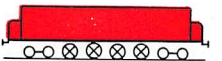
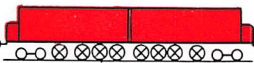
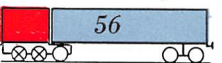
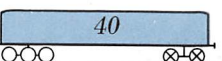
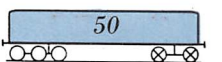
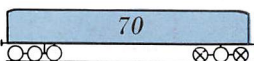
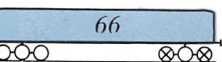
65.000 HP.

32 MILLION KILOMETRES COVERED



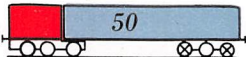
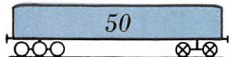
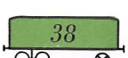
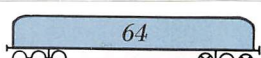
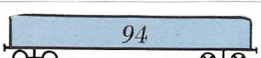
FRICHS

DIESELLOCOMOTIVES AND RAILCARS

Year	Num- ber	Diesel Engine		Type of Vehicles			Service	Built by	Railway Company
		HP.	Type	km/h	Seating capacity	tons			
1926	1	230	635 C	60		38	<i>Passenger Trains</i>	<i>Frichs</i>	<i>Hads Herred</i>
1926	2	230	635 C	60		42	"	— " —	<i>Ringkøbing-Ørnholm- Holstebro</i>
1927	6	265	640 C	70		44	"	— " —	<i>The Danish State Railways</i>
1927	1	265	640 C	60		38	"	— " —	<i>Næstved-Præstø- Mern</i>
1928	4	180	630 C	90		42	"	— " —	<i>The Danish State Railways</i>
1928	1	300	640 C	60		42	"	— " —	<i>Skive-Vestsalling</i>
1928	1	200	632 C	90		38	"	— " —	<i>Troldhede-Kolding- Vejen</i>
1928	2	200	632 C	90		42	"	— " —	<i>The Danish State Railways</i>
1929	2	500	672 C	100		55	<i>Express Passenger</i>	— " —	— " —
1931	6	1000	6285 CL	75		80	"	— " —	<i>Royal State Railways of Siam</i>
1931	1	1600	8310 CL	55		118	<i>Express Freight</i>	— " —	— " —
1931	1	320	624 C	60		44	<i>Passenger Trains</i>	— " —	<i>Mariager-Faarup- Viborg</i>
1931	6	180	6175 CL	50		45	"	— " —	<i>Royal State Railways of Siam</i>
1931	2	1000	6285 CL	120		96	<i>Express Passenger</i>	— " —	<i>The Danish State Railways</i>
1931	1	320	624 C	60		44	<i>Passenger Trains</i>	— " —	<i>Ringkøbing-Ørnholm- Holstebro</i>
1931	2	225	6195 CL	90		44	"	— " —	<i>Horsens-Bryrup- Silkeborg</i>
1931	1	225	6195 CL	90		40	"	— " —	<i>Troldhede-Kolding- Vejen</i>
1932	4	275	6215 CL	100		52	"	— " —	<i>The Danish State Railways</i>
1932	1	275	6215 CL	90		49	"	— " —	<i>Nordfynske</i>
■ Locomotive ■ Railcar ■ Mech. transm. ⊗ Motor driven axle									

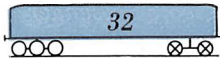
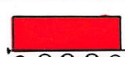
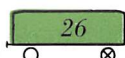
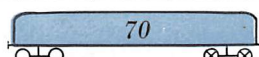
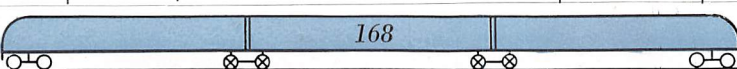
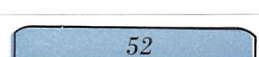
FRICHS

DIESELLOCOMOTIVES AND RAILCARS

Year	Number	Diesel Engine		Type of Vehicles			Service	Built by	Railway Company
		HP.	Type	km/h	Seating capacity	tons			
1932	1	275	6215 CL	90		50	Passenger Trains	Frichs	Hads Herred
1932	1	225	6195 CL	90		40	"	— " —	Aarhus-Hammel-Thorsø
1932	2	330	6235 CL	75		40	"	— " —	Hjørring-Aabybro Hjørring-Hørby
1932	1	415	6260 CL	80		47	"	— " —	Ods Herred
1932	1	225	6195 CL	70		30	"	— " —	Hørve-Værsløv
1932	1	415	6260 CL	80		47	"	— " —	Høng-Tølløse
1932	1	415	6260 CL	75		47	"	— " —	Hillerød-Frederiksværk
1932	1	275	6215 CL	75		40	"	— " —	Varde-Nørre Nebel
1932	1	415	6260 CL	80		47	"	— " —	Trolldhede-Kolding-Vejen
1932	3	415	6260 CL	80		47	"	— " —	Horsens-Juelsminde
1933	2	65	6100 CA	30		12	Shunting	— " —	Aarhus-Hammel-Thorsø
1933	5	65	6100 CA	30		12	"	— " —	The Danish State Railways
1933	4	78	6115 CA	30		14	"	— " —	— " —
1933	1	125	6135 CA	60		18	Passenger Trains	— " —	Vejle-Vandel-Grindsted
1934	1	330	6235 CL	75		40	"	— " —	Hjørring-Hirtshals
1934	10	480	6175 CA	120		54	"	— " —	The Danish State Railways
1934	2	450	6260 CL	85		49	"	— " —	Lolland-Falster Railways
1934	1	240	6175 CA	70		41	"	— " —	Estonian State Railways
1934	2	125	6135 CA	60		25	"	— " —	— " —
See explanatory notes page 4									

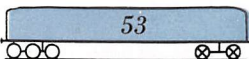
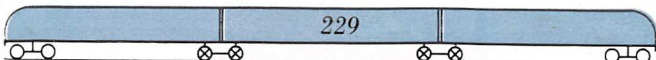
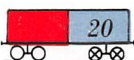
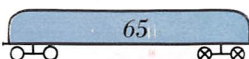
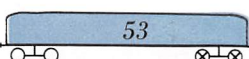
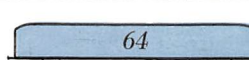
FRICHS

DIESELLOCOMOTIVES AND RAILCARS

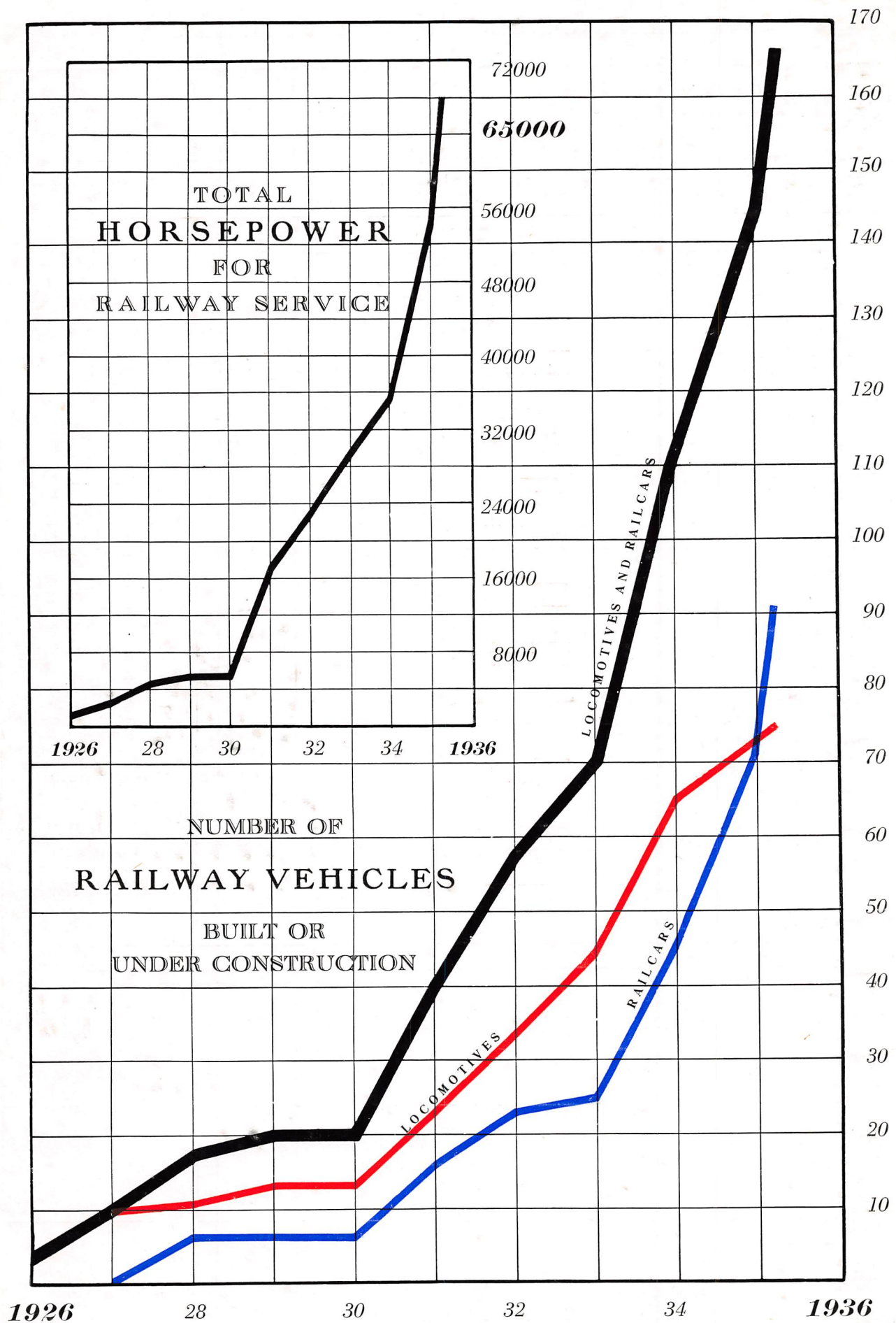
Year	Number	Diesel Engine		Type of Vehicles			Service	Built by	Railway Company
		HP.	Type	km/h	Seating capacity	tons			
1934	2	320	8175 CA	60		37	Passenger Trains	Frichs	Haderslev County Railways
1934	1	125	6135 CA	40		15	Shunting	— „ —	— „ —
1934	1	125	6135 CA	40		15	„	— „ —	Hjørring - Hirtshals
1934	2	450	6260 CL	80		48	Mixed Trains	— „ —	Aalborg Private Railways
1934	5	78	6115 CA	30		14	Shunting	— „ —	The Danish State Railways
1934	2	300	6215 CL				„	Vulcan	For Stock
1934	1	125	6135 CA	40		15	„	Kockum	For Stock
1934	3	240	6175 CA	60		35	„	Corpet Louvet	Cie. du Chemin de Fer du Nord
1934	1	550	6285 CL	80		48	Mixed Trains	Frichs	Skagensbanen
1934	1	125	6135 CA	40		15	Shunting	Kockum	Varberg - Borås - Herrljunga Railways
1934	7	125	6135 CA	75		20	Passenger Trains	Thomassen	Netherlands Railways Company
1935	1	480	6175 CA	90		42	„	Kockum	Malmø - Ystad Railways
1935	1	165	6155 CA	80		38	„	Tammerfors	Finnish State Railways
1935	3	240	6175 CA	90		45	„	— „ —	— „ —
									
1935	4	1100	6185 CA	120	High-speed Train	122	Express Service	Frichs	The Danish State Railways
1935	1	450	6260 CL	70		48	Mixed Trains	— „ —	Bornholm Railways
1935	1	125	6135 CA	40		15	Shunting	— „ —	— „ —
1935	2	275	6185 CA	70		40	Passenger Trains	— „ —	— „ —
See explanatory notes page 4									

FRICHS

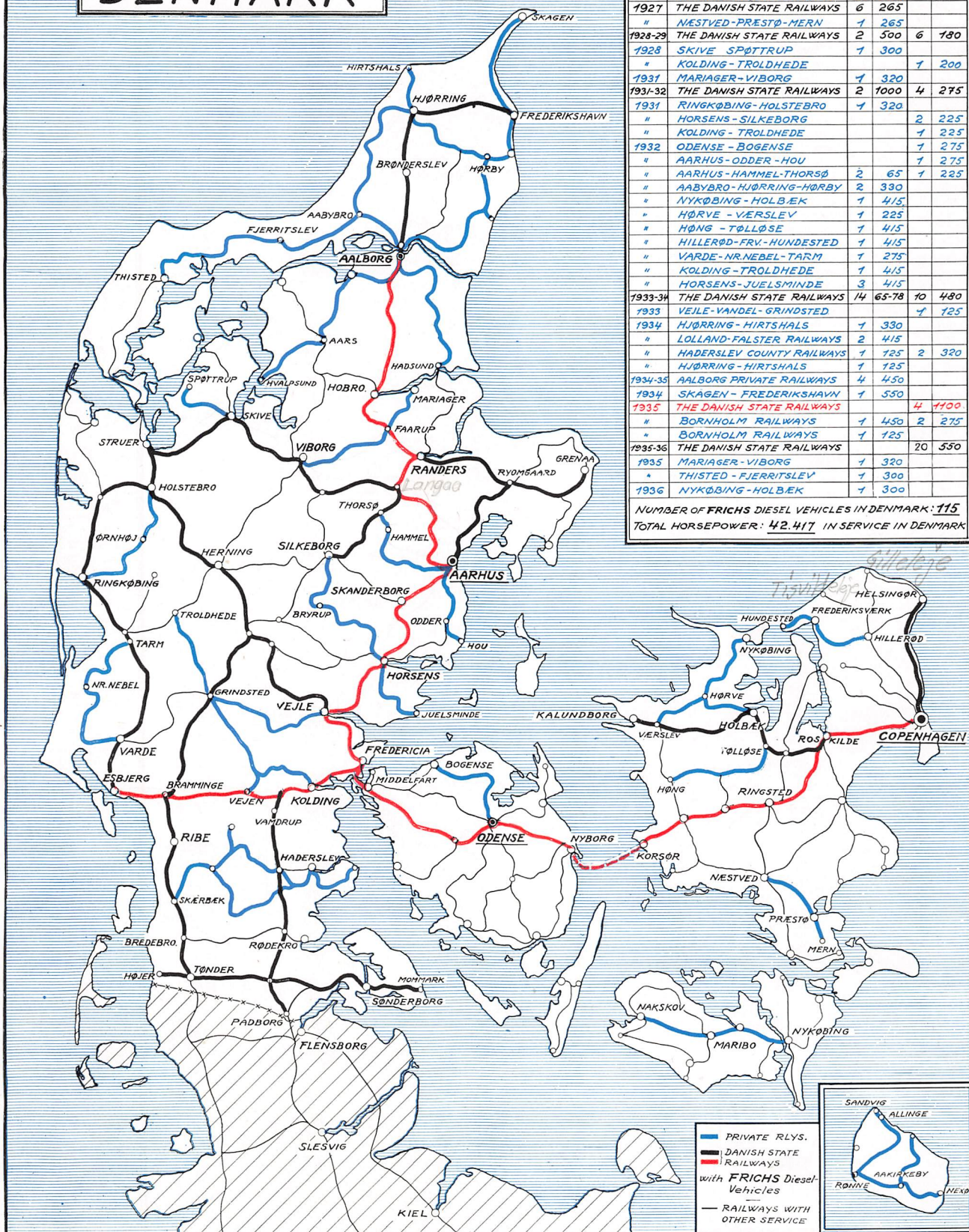
DIESELLOCOMOTIVES AND RAILCARS

Year	Number	Diesel Engine		Type of Vehicles			Service	Built by	Railway Company
		HP.	Type	km/h	Seating capacity	tons			
1935	10	550	6185 CA	120		56	Passenger Trains	Frichs	The Danish State Railways
1935	1	880	6165 CV	140		100	Express Service	La Meuse	Société Nationale des Chemins de Fer Belges
1935	1	320	8175 CA	75		43	Mixed Trains	Frichs	Mariager-Faarup-Viborg
1935	1	125	6135 CA				Shunting	Corpet-Louvet	For Stock
1935	1	125	6135 CA	40		15	"	— " —	— " —
1935	2	550	6185 CA	120		53	Passenger Trains	— " —	Chemins de Fer de l'Etat Francais
1935	2	450	6260 CL	80		48	Mixed Trains	Frichs	Aalborg Private Railways
1935	1	300	6215 CL	75		40	"	— " —	Thisted-Fjerritslev Railways
1936	10	550	6185 CA	120		54	Passenger Trains	— " —	The Danish State Railways
1936	1	300	6215 CL	80		40	Mixed Trains	— " —	Ods Herred
1936	5	125	6135 CA	90		32	Passenger Trains	Thomassen	Netherlands Railways Company
1936	1	550	6285 CL	80		48	Mixed Trains	Kockum	Stockholm Nynæs Railways
1937	4	1100	6185 CA	120		162	Express Service	Frichs	The Danish State Railways

See explanatory notes page 4



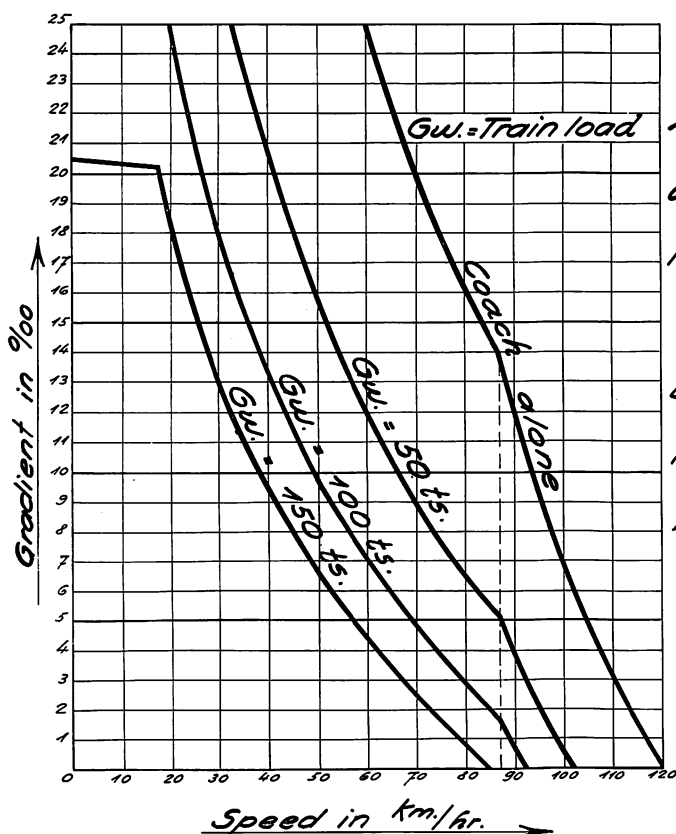
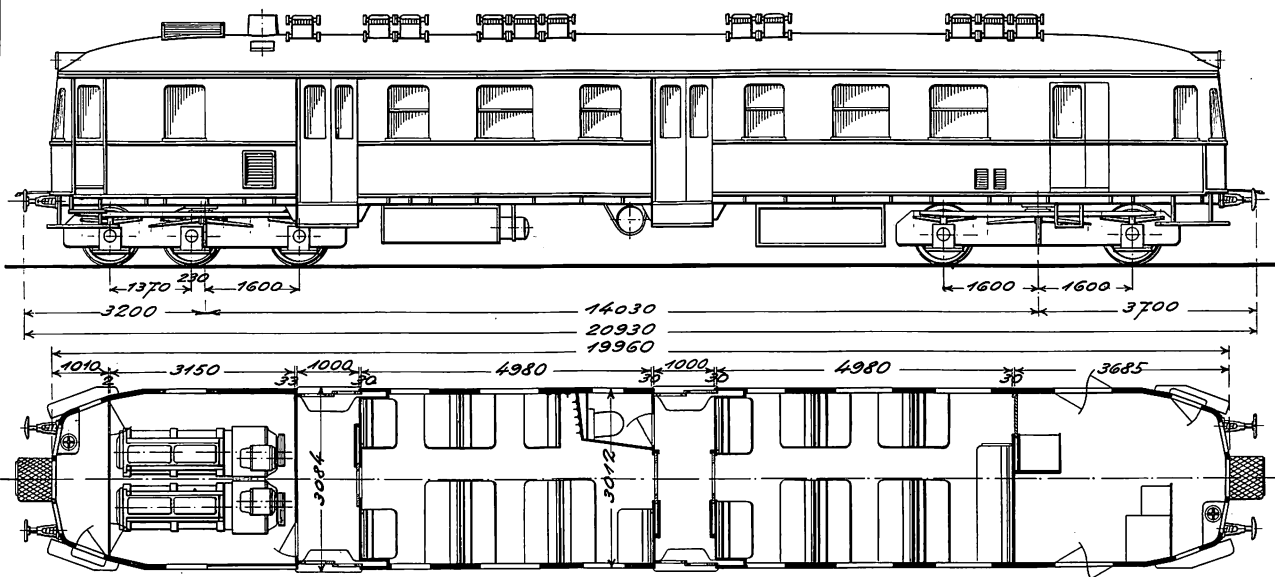
DENMARK



* TRIPLE ARTICULATED HIGH-SPEED TRAINS (THREE-CAR UNITS) FOR EXPRESS SERVICE ON MAIN LINES (RED)

FURTHER FOUR HIGH-SPEED TRAINS (FOUR-CAR UNITS) ARE IN ORDER FOR THE DANISH STATE RAILWAYS, TO BE DELIVERED IN 1937

A/s FRICHS
AARHUS



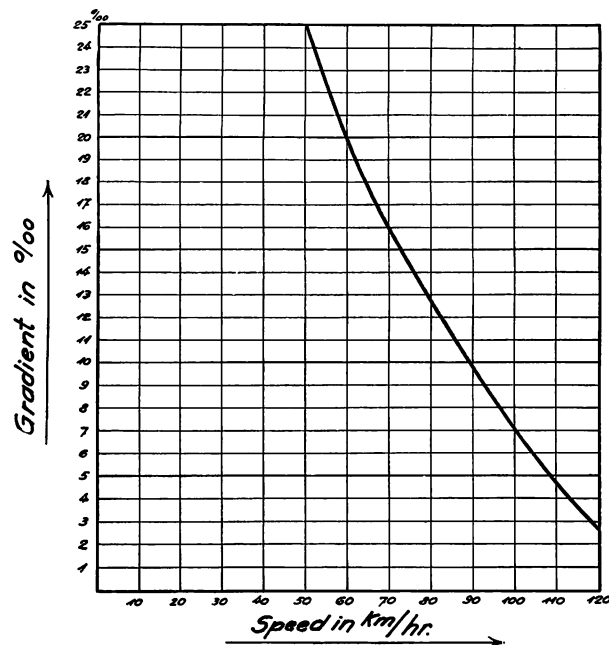
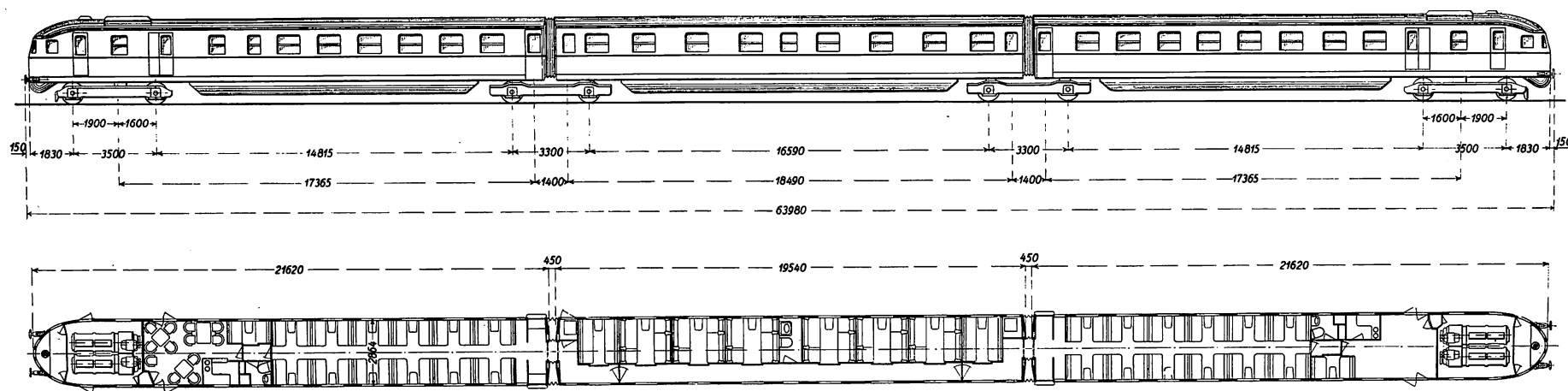
Principal data of the Coach.

Adhesion weight	29000 Kg
Weight in working order	58400 "
H.P. of Diesel engines normal	500 B.H.P.
" " " " max.	550 "
Diam. of driving wheels	966 mm
Number of electric motors	2
Maximum speed	120 km/hr.

500/550 H.P.
Diesel-electric Coach.

A/s FRICHS

AARHUS



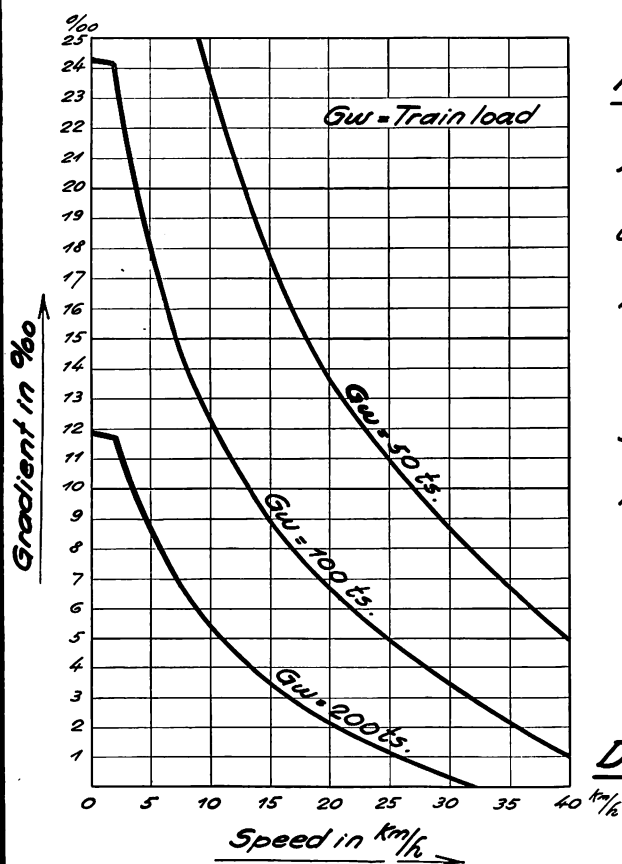
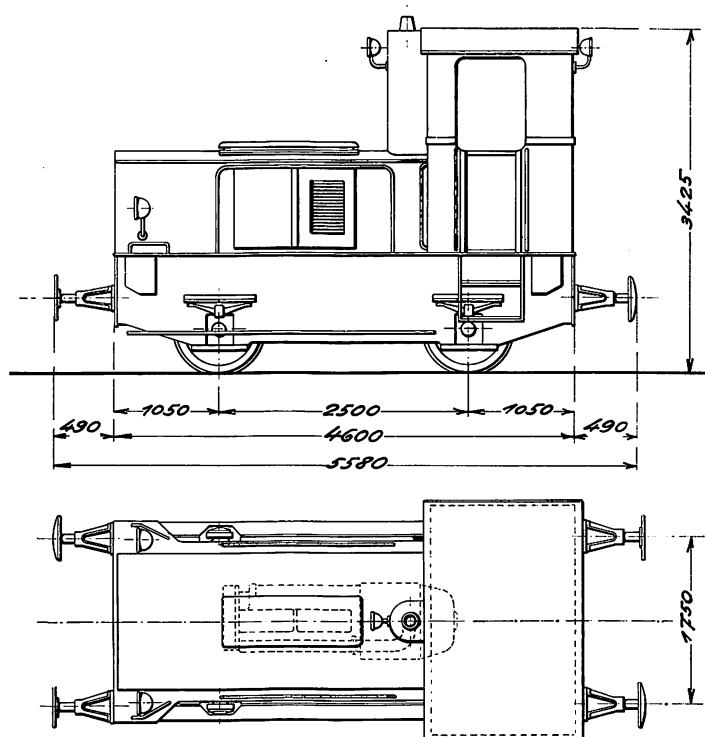
Principal data of the Train

Weight in working order	128000 Kg
Number of passengers	168
H.P. of Diesel engines normal	1000 B.H.P.
————— max	1100 ——"
Diam. of Driving wheels	966 mm
Number of traction motors	4
Maximum speed	120 Km/h.

1000/1100 H.P.

Diesel-electric High-speed Train

A/s FRICHS
AARHUS



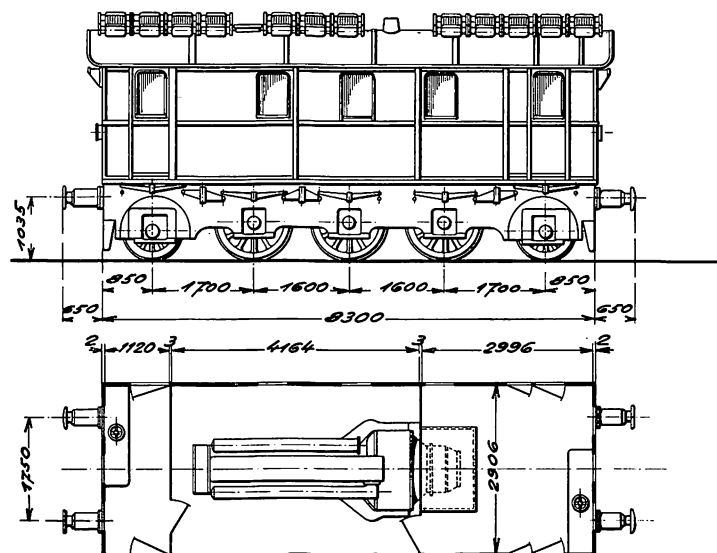
Principal data of the Locomotive

Adhesion weight	16000 kg
Weight in working order	16000 "
H.P of Diesel-engine normal	115 B.H.P.
— " — — " — max	125 "
Diameter of driving wheels	851 mm
Number of electric motors	2
Maximum speed	40 km/h.

115/125 H.P.

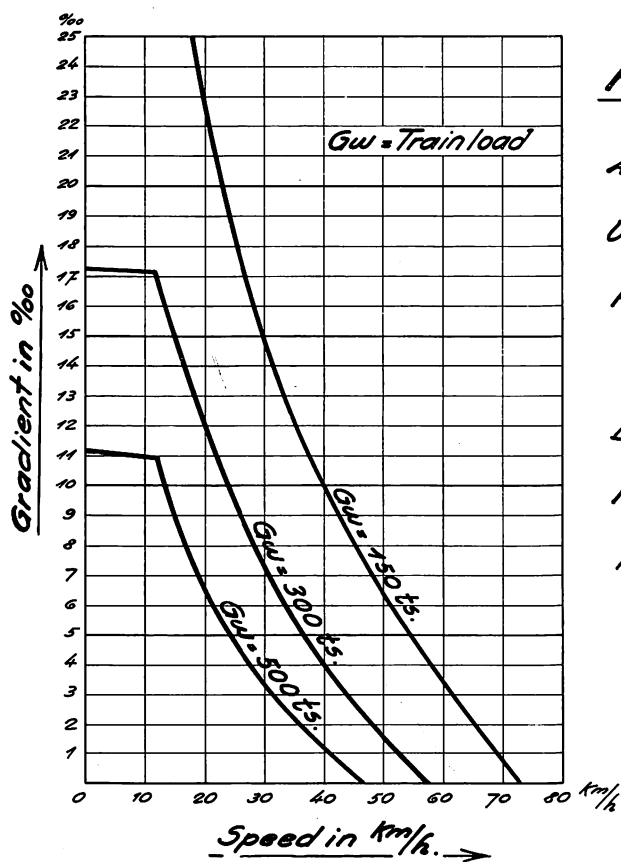
Diesel-electric shunting Locomotive

A/s FRICHS
AARHUS



3300
3300
6600

8300
1200
9600

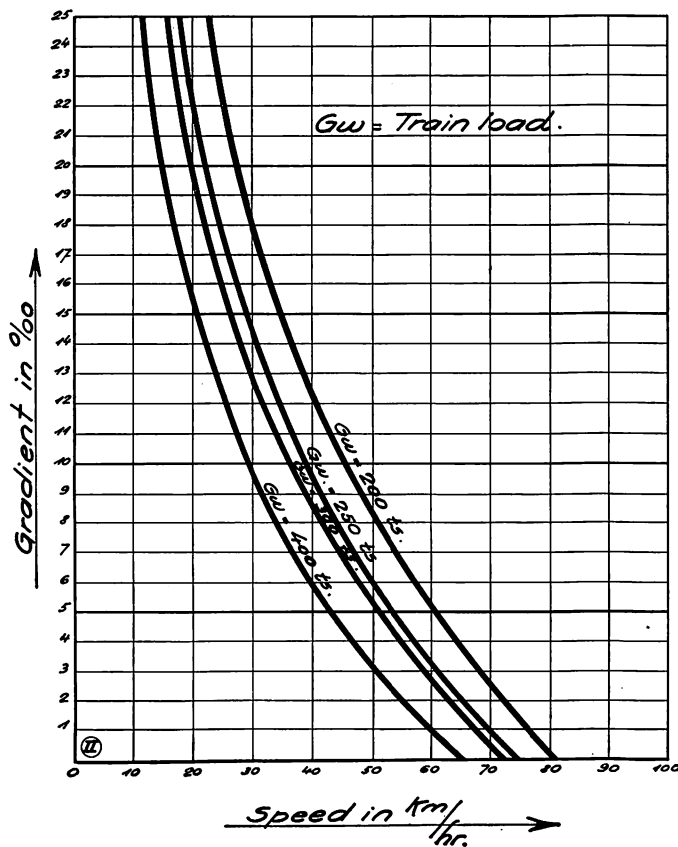
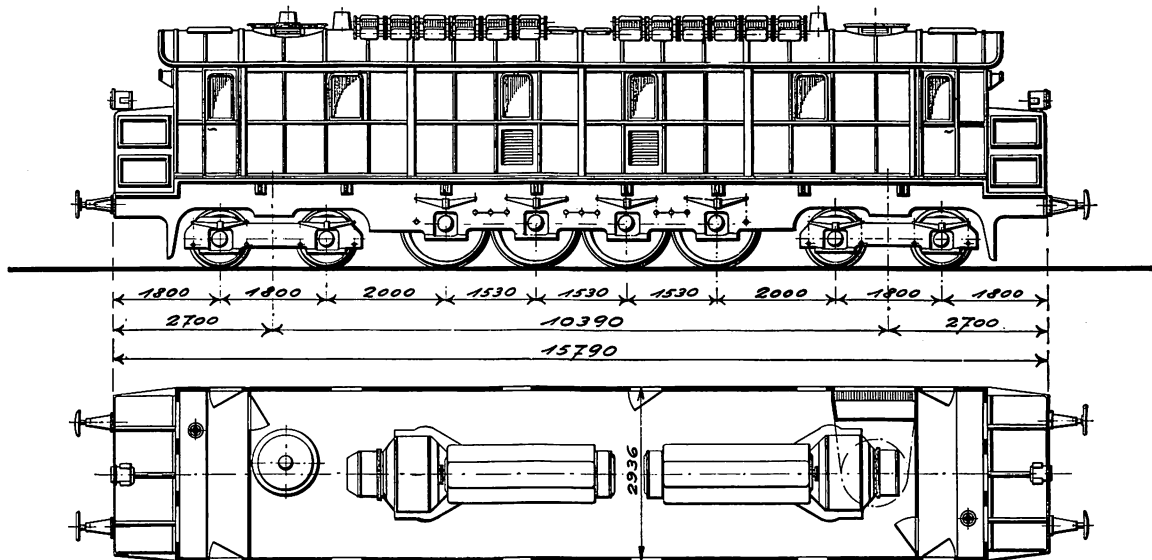


Principal data of the Locomotive

Adhesion weight	33000 kg
Weight in working order	53000 "
H.P. of Diesel-engine normal	500 B.H.P.
--- max.	550 "
Diameter of driving wheels	1250 mm
Number of electric motors	3
Maximum speed	80 km/h.

500/550 H.P.
Diesel-electric Locomotive

A/s FRICHS
AARHUS

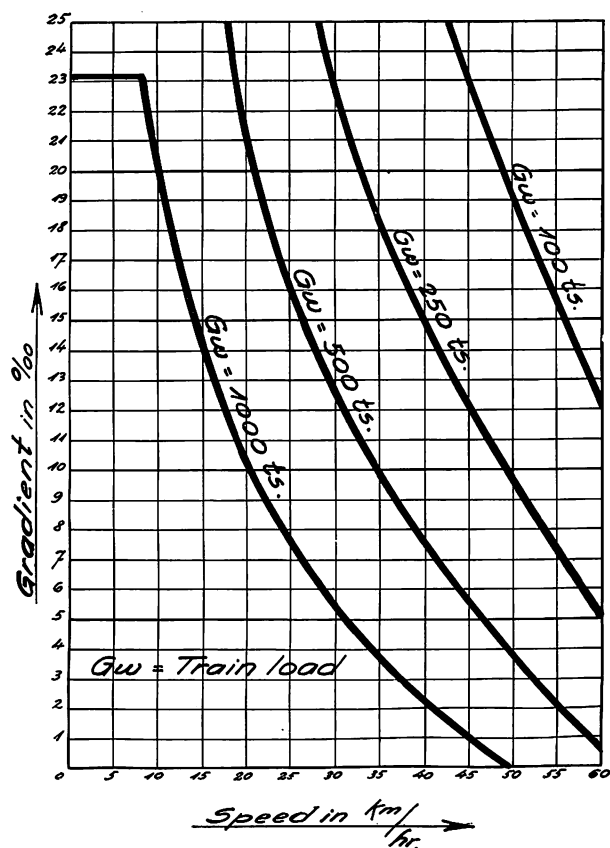
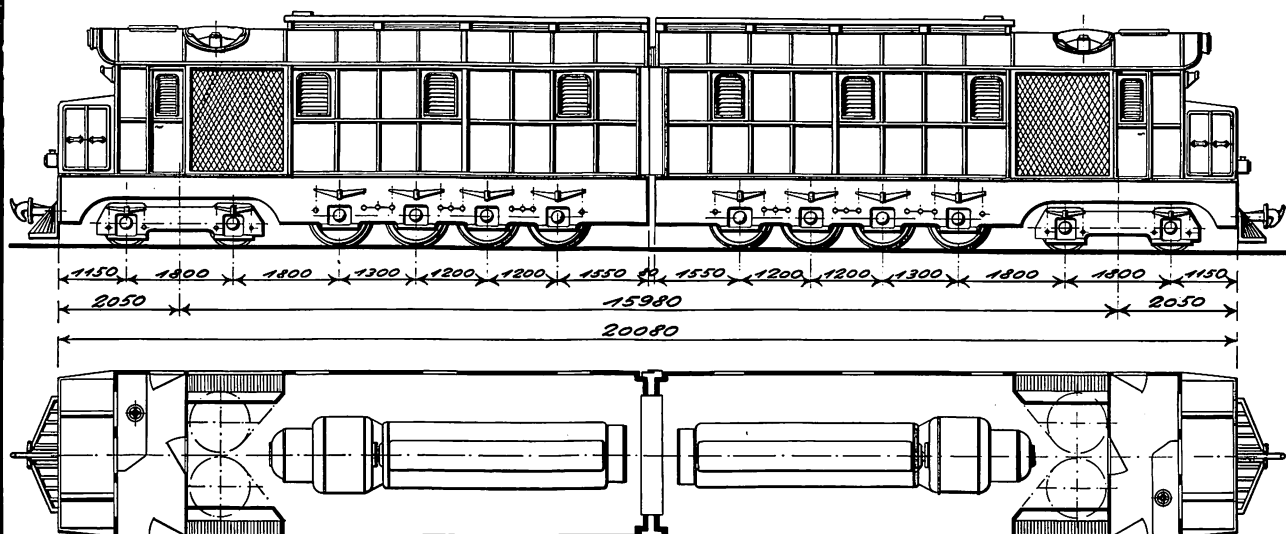


Principal data of the Locomotive

Adhesion weight 54700 kg.
Weight in working order 102000 "
H.P. of Diesel engines normal 900 B.H.P.
— " — " — max 1000 "
Diam. of driving wheels 1404 mm
Number of electric motors 4
Maximum speed 110 km/hr.

900/1000 H.P.
Diesel-electric Locomotive

A/s FRICHS
AARHUS



Principal data of the locomotive.

Adhesion weight 88000 kg.
 Weight in working order 126000 "
 H.P. of Diesel engine normal 1500 B.H.P.
 ————— " ————— max. 1600 "
 Diam. of driving wheels 1050 mm
 Number of electric motors 8
 Maximum speed 45 km/hr

1500/1600 H.P.
Diesel-electric locomotive.