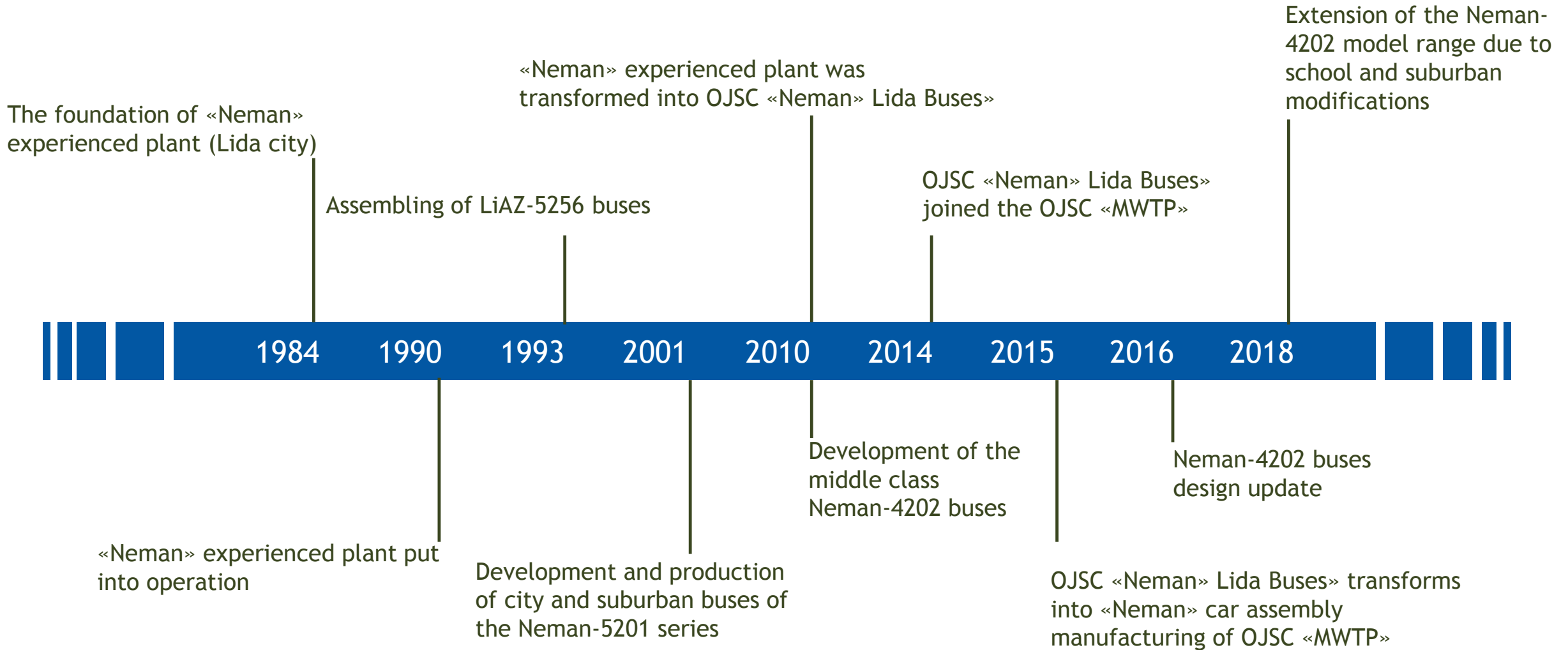
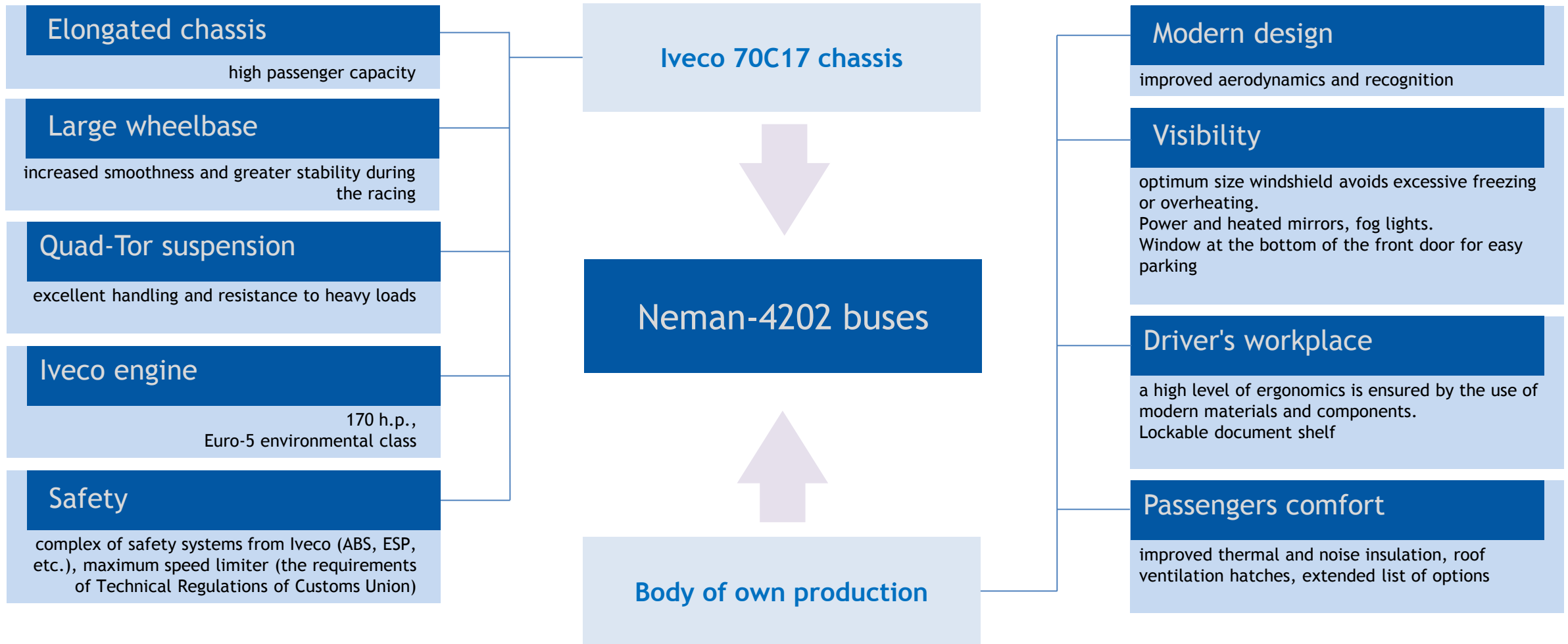


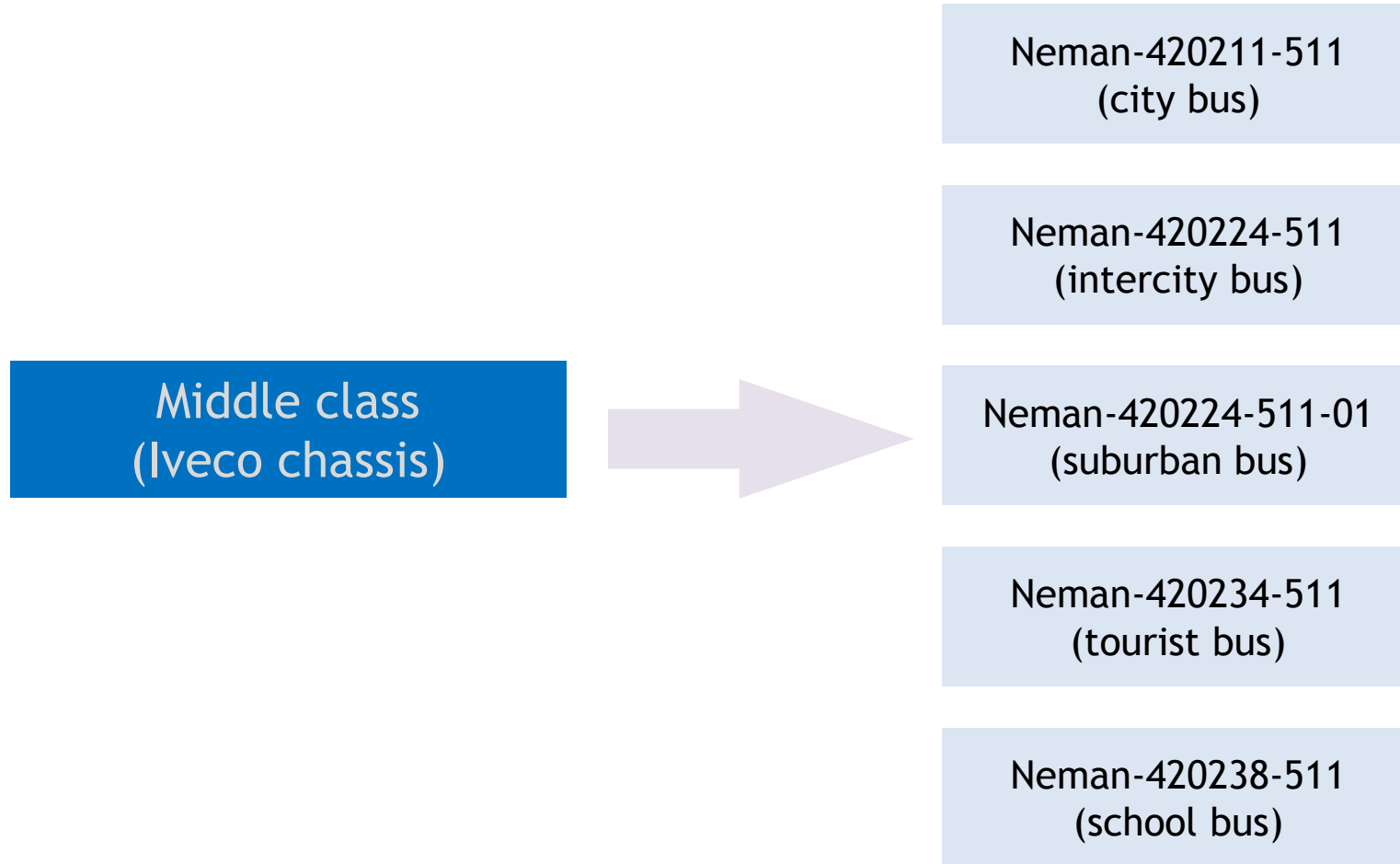
# NEMAN



## NEMAN BUSES







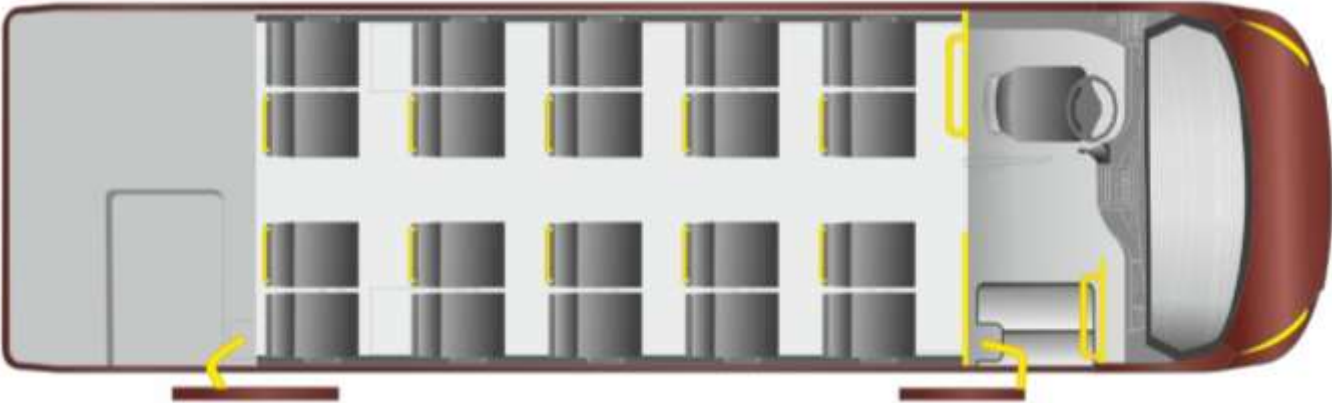
# NEMAN-4202 11-511 (CITY BUS)

# NEMAN



Passenger capacity	44 (20 seats)
Engine power	170 h.p. (E-5)
Max. speed	90 km/h

## NEMAN-4202 11-511 (CITY BUS)



## NEMAN-420224-511 (INTERCITY)

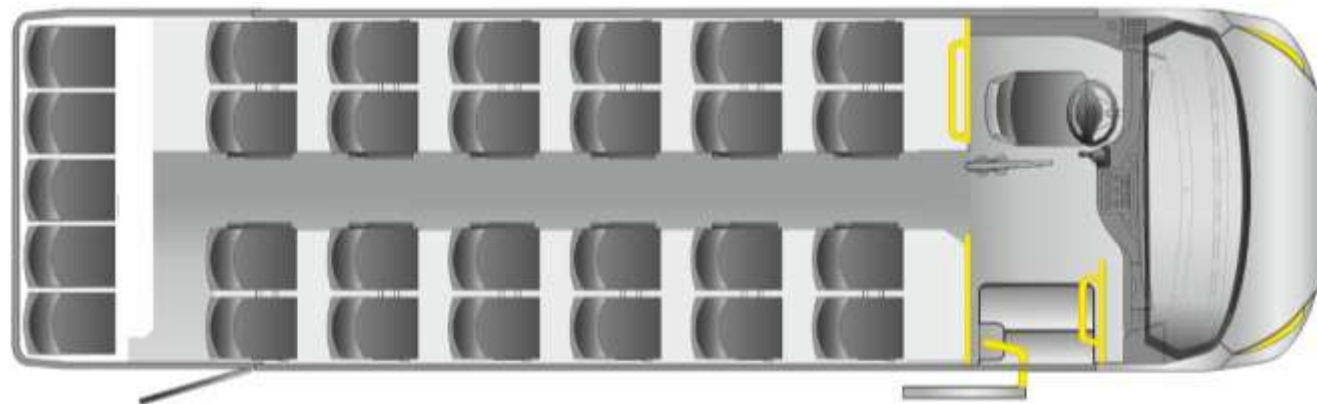
# NEMAN



Passenger capacity	29
Engine power	170 h.p. (E-5)
Max. speed	90 km/h

NEMAN-420224-511 (INTERCITY)

# NEMAN



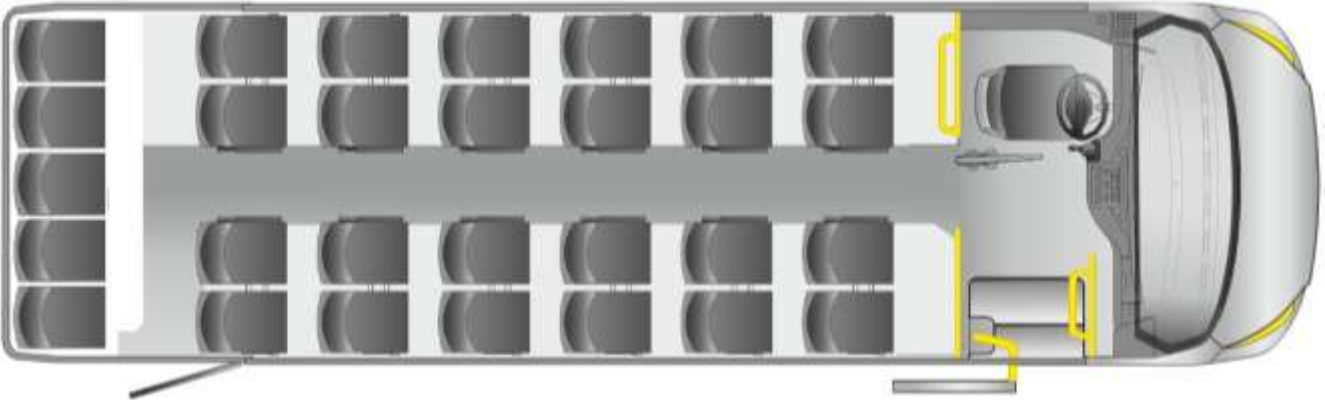


## NEMAN-420224-511-01 (SUBURBAN BUS)



Passenger capacity	38 (29 seats)
Engine power	170 h.p. (E-5)
Max. speed	90 km/h

NEMAN-420224-511-01 (SUBURBAN BUS)

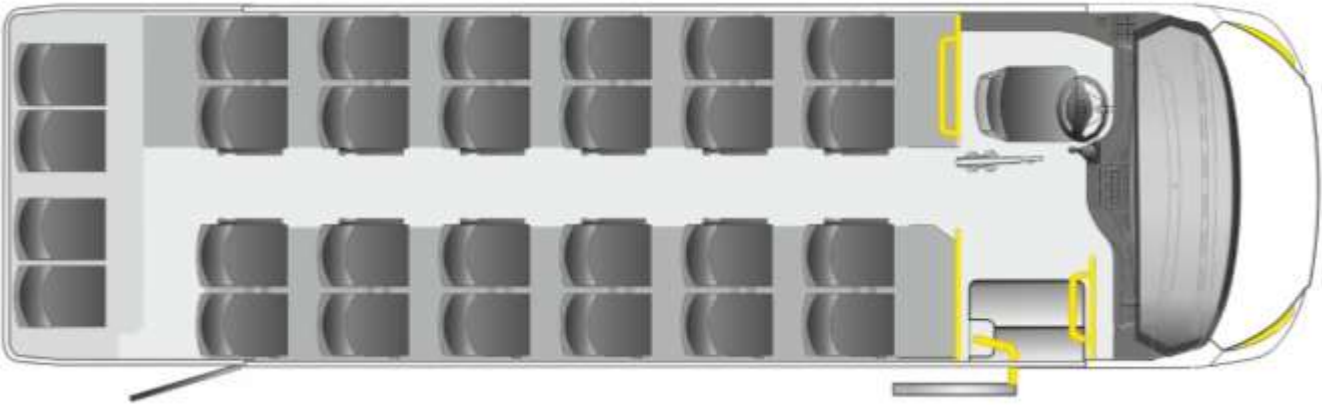


## NEMAN-420234-511 (TOURIST BUS)



Passenger capacity	28
Engine power	170 h.p. (E-5)
Max. speed	90 km/h

## NEMAN-420234-511 (TOURIST BUS)



## NEMAN-420238-511 (SCHOOL BUS)

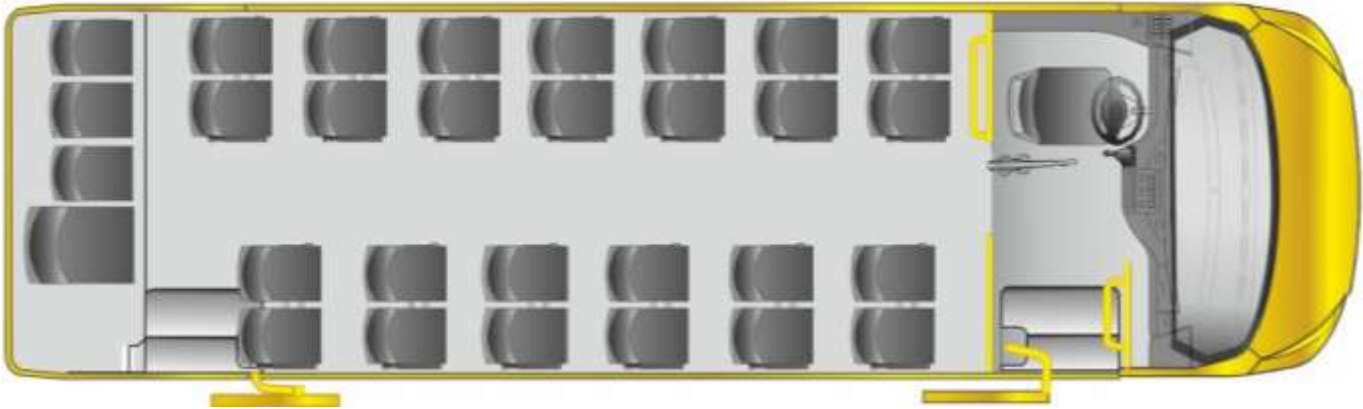
# NEMAN




Passenger capacity  
Engine power  
Max. speed

29+1 attendant  
170 h.p. (E-5)  
60 km/h

## NEMAN-420238-511 (SCHOOL BUS)



<b>Specifications</b>	<b>420211-511</b>	<b>420224-511</b>	<b>420224-511-01</b>	<b>420234-511</b>	<b>420238-511</b>
Wheel drive	4x2				
Max speed, km/h	90				60
Passenger capacity (seats)	40-44 (20)	31 (29)	38 (29)	28 (28)	29+1 (29+1)
Fuel consumption, l/100 km	15				
Fuel tank capacity, l	115				
<b>Weight and overall dimensions</b>	<b>420211-511</b>	<b>420224-511</b>	<b>420224-511-01</b>	<b>420234-511</b>	<b>420238-511</b>
Curb bus weight, kg	4 800	5 600	5 600	5 600	5600
Gross bus weight, kg	7 850				
Overall length, mm	8 780				
Overall width, mm	2 330				
Overall height, mm	2 975				
Wheelbase, mm	4 750				
Front wheel track, mm	1 725				
Rear wheel track, mm	1 660				
Front overhang length, mm	1 300				
Rear overhang length, mm	2 730				

<b>Body</b>	
Body	Welded body with fiberglass masks in front and rear
Glazing	Tinted glass or double glass windows (customer choice)
Passenger doors	Front door - single-winged with electric drive, rear - emergency without drive. (Both doors of city and school buses with electric drive)
<b>Electrical equipment</b>	
Hydronic engine heater, 15 kW	
Electric generator, 150 A	
Electric connector on the dashboard (driver's seat), 12 V	
Electric heaters (convectors), 4 pcs	
Digital tachograph	
On-board computer in Russian	
Available options	



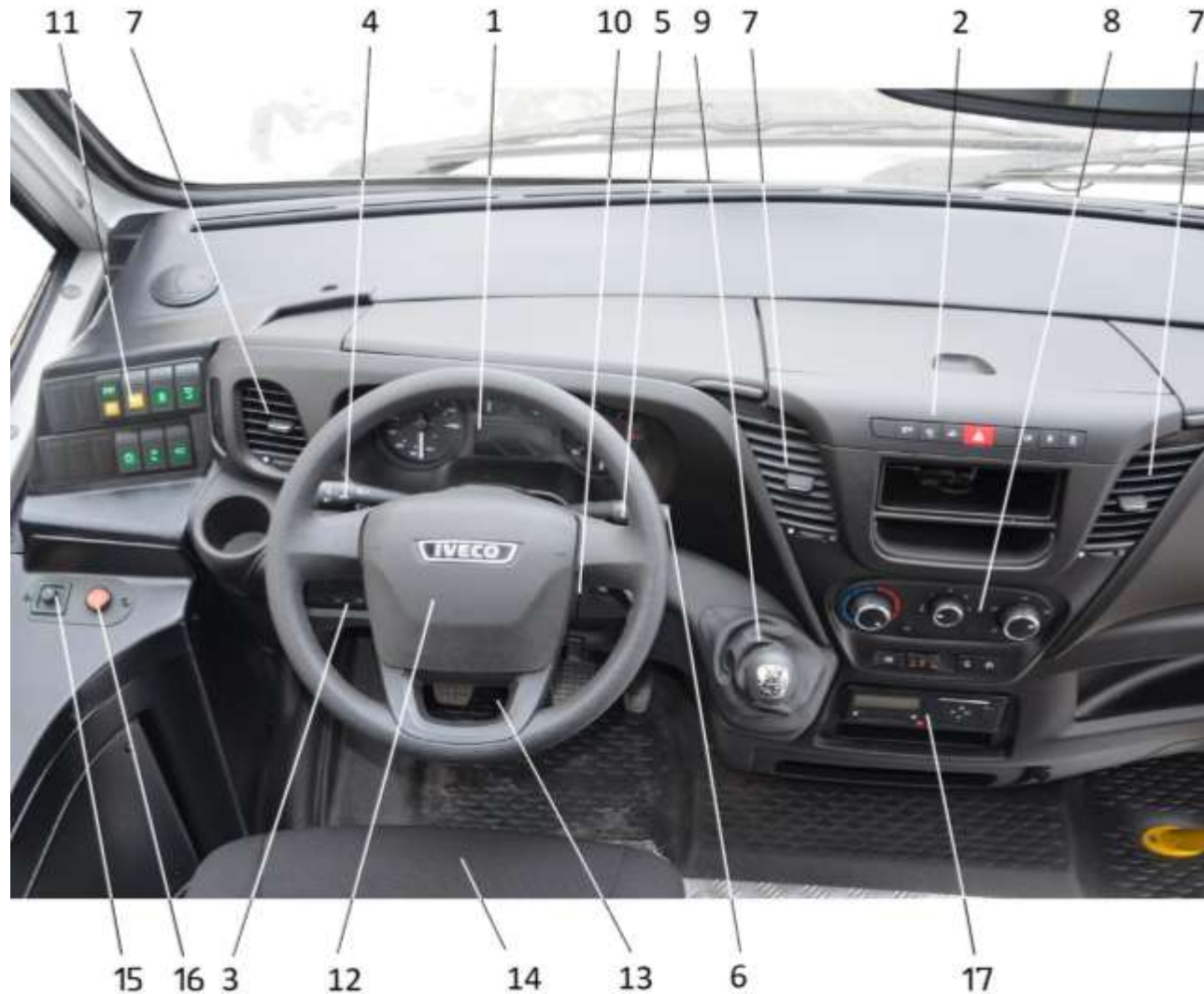
## NEMAN-4202 MAIN COMPONENTS

# NEMAN

- Cabin (driver's seat)
- Bus salon
- Engine
- Transmission
- Suspension
- Brake system
- Wheels and tyres
- Exterior elements



## CABIN (DRIVER'S SEAT)



- 1 - dashboard
- 2 - central panel
- 3 - air suspension buttons
- 4 - left understeering's shifter
- 5 - right understeering's shifter
- 6 - menu control buttons
- 7 - adjustable air nozzles
- 8 - climate control panel
- 9 - gear lever
- 10 - ignition lock
- 11 - switch block
- 12 - steering wheel
- 13 - pedals
- 14 - driver's seat
- 15 - joystick mirror adjustment
- 16 - open/close door open
- 17 - tachograph

## DRIVER'S SEAT



- 1 - forward/back seat lever
- 2 - height seat lever in front
- 3 - height seat lever behind
- 4 - seat back angle lever

Air suspension, soft, adjustable in vertical and horizontal directions, with hydraulic shock absorber



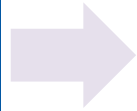
BUS SALON :  
PASSENGER SEATS

**NEMAN**

Neman-420211-511  
(city bus)

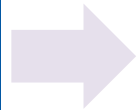
Neman-420224-511  
(intercity bus)

Neman-420224-511-01  
(suburban bus)



INTAP (Poland)  
Reclining seats with  
folding armrests and  
safety belts (Seats of  
city bus without  
adjustments and belts)

Неман-420234-511  
(tourist bus)



SEGE (Turkey)  
Luxury seats with  
footrests, folding  
armrests and tables,  
magazine nets, safety  
belts

Неман-420238-511  
(school bus)



Eurosid (Russia)  
With folding armrests and  
safety belts

BUS SALON :  
LUGGAGE RACKS

**NEMAN**

Neman-420224-511-01  
(suburban bus)



Neman-420224-511  
(intercity bus)



Неман-420234-511  
(tourist bus)



Неман-420238-511  
(school bus)



For the Neman-4202 city bus luggage racks are not provided

Iveco F1C



Diesel

4-cylinder  
in line

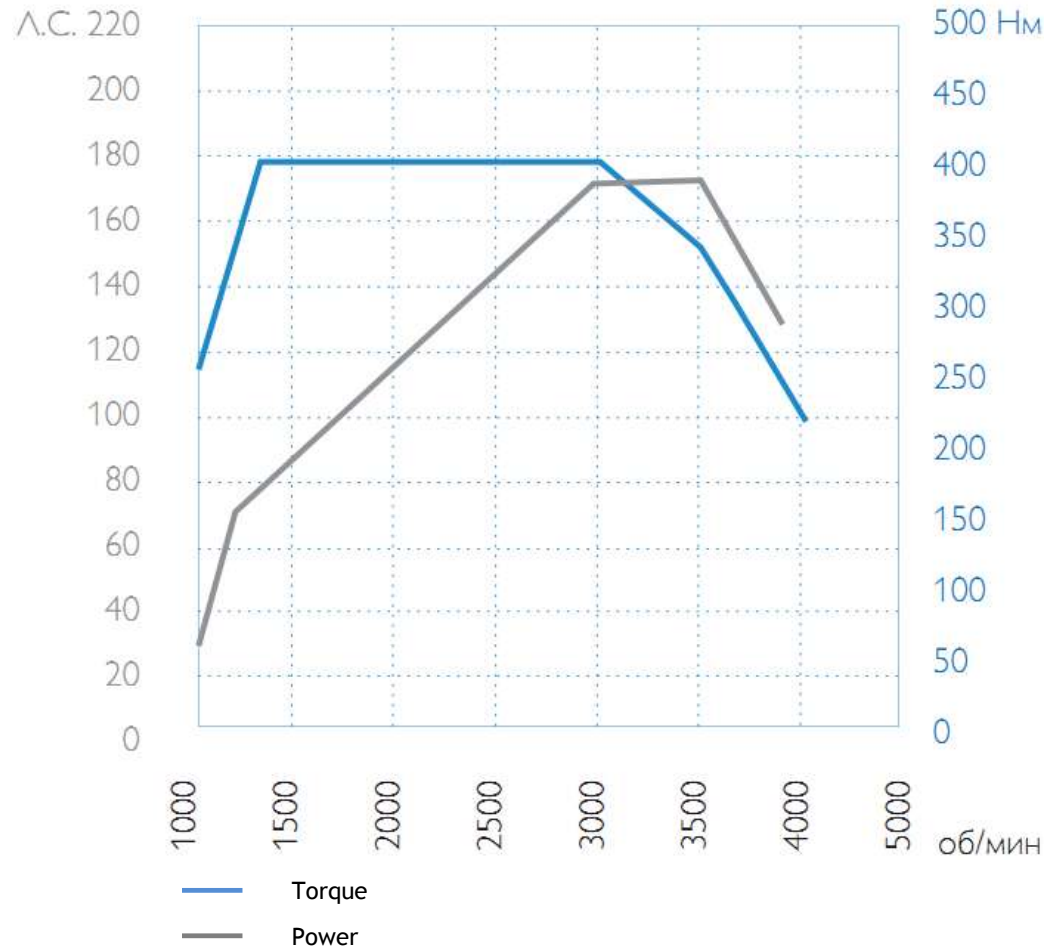
Variable turbocharger  
geometry

«Common rail»  
injection system

Particle filter with up to  
80% efficiency

Traffic fumes  
recirculation  
(EGR system)

3.0 COMMON RAIL  
170 Л.С.



Euro-5

Max. power  
170 h.p.

Max. torque  
400 Nm  
1300-3000 rpm

Iveco 6S400 / FPT 2840.6

Manual

Number of gears:  
6 forward, 1 reverse

Gear ratio  
5.38-0.79; R 4.84





Front



Independent, torsion bar, with hydraulic telescopic shock absorbers and antiroll bar

Rear



Pneumatic, with hydraulic telescopic shock absorbers and antiroll bar

All Neman buses on the Iveco chassis are equipped with efficient disc brakes, which include the most modern electronic active safety systems: ABS, EBD, ASR, MSR, ESP, HBA, Hill Holder, LAC

System	Function
ABS	Antilock Braking System. Prevents wheel lock during braking
EBD	Electronic Brakeforce Distribution system. Distributes brakeforce between axles
ASR	Automatic Slip Regulation system. Prevents wheel slip by changing engine speed and acting on the brakes
MSR	Motor Schlepptomoment Regelung system. Changes engine speed to reduce braking torque (when engine braking is not required)
ESP	Electronic Stability Program. Prevents bus skidding
HBA	Hydraulic Brake Assist system. Increases brake pressure during emergency braking
Hill Holder	This feature can prevent rollback on an incline by holding the brakes while you switch between the brake and acceleration pedals
LAC	Adaptive system for estimating the mass of the bus. It determines the number of passengers and provides this information to other systems.



Wheels

Steel

6,0x16,0  
Double tyres on  
the rear axle

Tyres  
(Pirelli/Continental/  
Michelin)

225/75R16C

Load index  
118/116  
(116/114  
Continental)

Speed category  
R (170 km/h)

Neman-420211-511  
(city bus)

Neman-420224-511  
(intercity bus)

Неман-420234-511  
(tourist bus)

Неман-420224-511-01  
(suburban bus)

Неман-420238-511  
(school bus)

Service boxes in left  
and right - 0,4 m<sup>3</sup>

Overall volume of luggage boxes - 2,2 m<sup>3</sup>  
(side - 0,6 m<sup>3</sup>, rear - 1,6 m<sup>3</sup>)

Overall volume of luggage boxes - 2 m<sup>3</sup>  
(side - 0,4 m<sup>3</sup>, rear - 1,6 m<sup>3</sup>)

## OPTICS AND MIRRORS



Original Iveco headlights

Heated side mirrors with  
electric drive



## AVAILABLE OPTIONS

Wi-fi



Information LED display



USB-connectors for charging phones



Music system



DVD-system with 1-2 overhead monitors



Guide's seat



Parktronic; Rear view camera



Air conditioning



THANK YOU