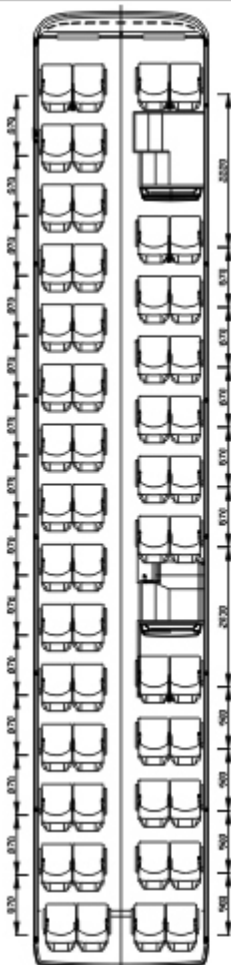
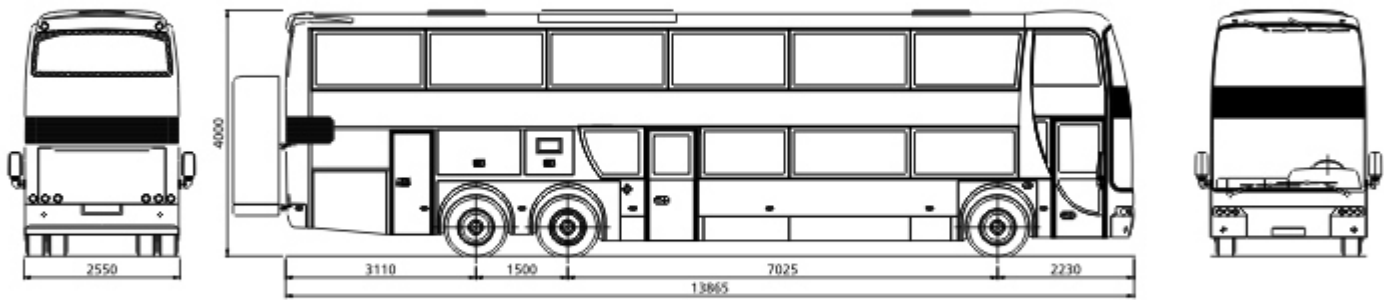
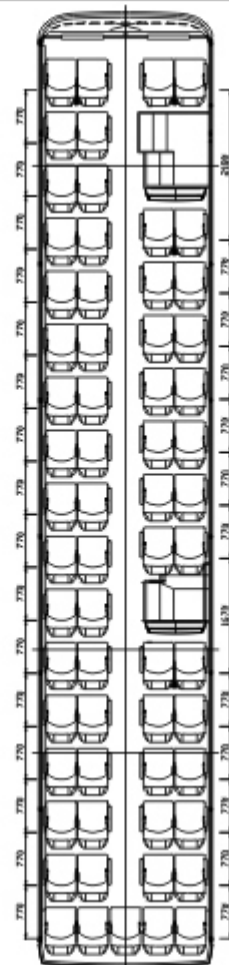
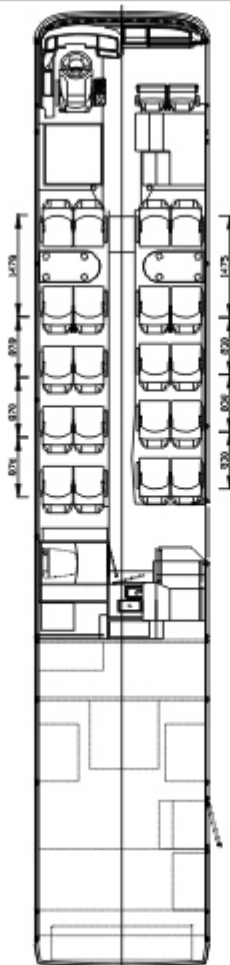


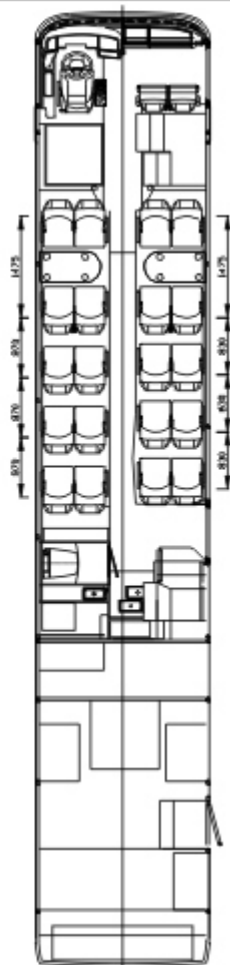
Technical specifications DD 138-430XE **VDL BOVA**



74+2+1



83+2+1

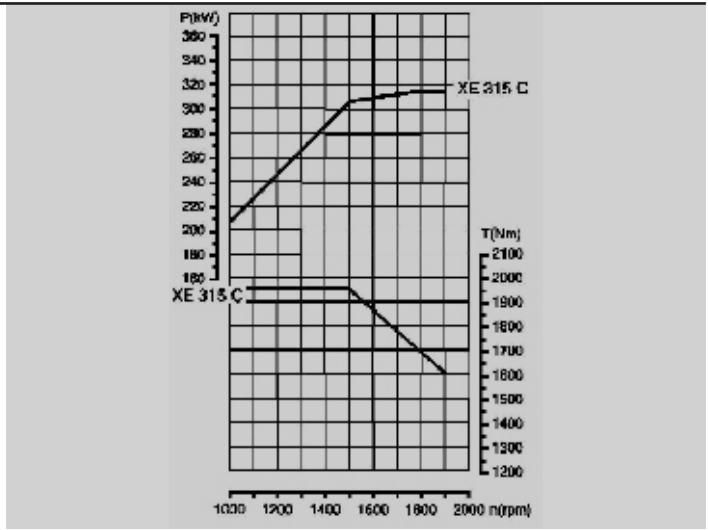


MEASUREMENTS - WEIGHTS

• Overall length	13,865 mm	• Interior height lower deck	1,800 mm
• Overall width	2,550 mm	• Interior height upper deck	1,730 mm
• Overall height	4,000 mm	• Turning circle	23,700 mm
• Wheelbase	7,025 mm	• Max. front axle load	7,500 kg
• Wheelbase 2 nd + 3 rd axle	1,500 mm	• Max. rear axle load	12,000 kg
• Front overhang	2,230 mm	• Max 3 rd axle load	7,500 kg
• Rear overhang	3,110 mm	• Max. total weight	26,000 kg
• Entrance step height front	340 mm	• Luggage locker capacity	ca. 7.6 m ³
• Entrance step height centre	340 mm	• Ski box (option)	ca. 3.2 m ³

ENGINE

- Make DAF
- Type XE 315 C
 rear mounted, vertical 4-stroke diesel engine
 with direct injection,
 6 cylinders in line
 turbocharged and air to air aftercooled
- Stroke 158 mm
- Bore 130 mm
- Swept volume 12.58 litres
- Compression ratio 16.0:1
- Max. power 315 kW (430 bhp) 1999/99/EC at 1900 rpm
- Max. torque 1950 Nm at 1000-1500 rpm
- Min. specific fuel consumption 205 g/kWh
- Total engine oil capacity 33 litres
- Speed limiter DAF 100 km/h
- Emission level Euro 3 97/20/EC - 2001/27/EC



TRANSMISSION

- Clutch single dry plate,
 hydraulically operated, air assisted, \perp 430 mm
- Gearbox Voith GO-210 + Voith retarder
- Ratios

1	2	3	4	5	6	R
6.528	3.711	2.231	1.443	1.00	0.799	6.136

SUSPENSION

- Front full air by means of 2 air bellows
 2 Koni shock absorbers
 1 levelling valve
- Rear full air by means of 4 air bellows
 4 Koni shock absorbers
 1 levelling valve
 1 anti-roll bar
- 3rd Axle full air by means of 2 air bellows
 2 Koni shock absorbers
 1 anti-roll bar
- Lowering and lifting mechanism

REAR AXLE

- Ratio axle DAF 7347
- 3rd Axle ZF RL-75/A, self steering

BRAKES

- ~~Wet disc brake system at all axles~~

FRONT AXLE

- Front axle ZF RL-75/EL
 independent front suspension

FUEL TANK

- 480 Litres, over rear axle

STEERING GEAR

- Servo-assisted steering, 450 mm adjustable soft grip steering wheel

WHEELS - TYRES

- ~~Spring suspension with independent wheel compartments~~ ... Goodyear 315/70 R 22, 22, 5S

STRUCTURE - DOORS

- Side panels of upper deck made of one-piece double galvanised steel sheet
- Side panels lower deck made of stainless steel and aluminium.
- Front and rear section made of GRP
- Interior panneling made of stainless steel with anti-vibration coating
- Coach underside treated with corrosion-resistant anti-vibration coating
- Construction electrostatically coated with epoxy-primer and two-component paint
- Structure lower deck made of stainless steel
- Front entrance plug door, with anti-jamming facility, pneumatically operated
- Mid entrance plug door, with anti-jamming facility, pneumatically operated
- Hinged flap with gas struts and lock for engine-bay
- Hinged locker flaps with gas struts
- Entrance door for luggage compartment
- Mid entrance with staircase to upper deck
- Front staircase to upper deck
- Preparation driver's sleeping cabin
- Preparation ski box
- 2 Towing forks, front and back

GLAZING

- Windscreen upper and lower deck 2 piece laminated, green tinted, bonded to frame
- Driver's window double glazed, green tinted, sliding
- Rear window single glazed, grey tinted
- Side windows double glazed, grey tinted
- Entrance door double glazed, grey tinted

ELECTRICAL EQUIPMENT

- Blaupunkt 2000 Professional Line 24 functions on upper and lower deck 1x 14" monitor on the lower deck
- Stereo radio/cd player Blaupunkt Professional Line
- Stereo control unit with integrated amplifier Blaupunkt Professional Line
- Tachograph, two-crew, electronic
- Cruisecontrol
- Airhorn
- Digital clock on upper deck
- Revolution counter
- Fuel tank capacity gauge
- Oil pressure gauge with buzzer and optical signal
- Air pressure gauge with buzzer and optical signal

- Temperature sensor in engine compartment and warning light on dashboard
- Water temperature gauge with buzzer and optical signal
- Illuminated switches on dashboard
- Warning lights to all important functions
- Microphone in dashboard for courier
- Driver 's microphone on swan-neck
- Microphone plug on upper deck
- Saloon loud speakers
- 2 Loud speakers next to driver
- Cigarette lighter
- Reading light for guide
- 2 DE dipped H1 headlamps
- 2 High beam H1 headlamps
- 2 H3 front fog lights
- 2 Front marker lights
- 2 Rear lights
- 3rd Brake light
- 2 Reverse lamps
- 2 Rear fog lamps
- 2 Rear marker lights
- 2 Combination indicator/parking lights in the front
- 2 Combination indicator/ brake lights
- Side marker lights
- Illuminated licence plate
- Illuminated luggage compartment
- Illuminated engine compartment
- Entrance lighting
- General fuse layout in language
- Preparation for GSM car phone incl aerial
- Indirect interior lighting with individual reading lights with bell push button per seat pair
- Blue night lighting
- Supervision camera upper deck (monitor at dashboard)
- Back-up detection

HEATING - VENTILATION

- Stryak air conditioning AC 183 II DD with Uwe Viper 2000 automatic climate control
- Front heater with airconditioning
- Adjustable air nozzles for each individual seat
- Heavy duty front heater 12,5 kw lower deck, electronically controlled
- Heavy duty front heater 6,8 kw upper deck, thermostatically controlled
- Roof heating in lower and upper deck
- Uwe convector heating with ambient temperature control
- Webasto pre-heater DBW 300

INTERIOR

- Floor covered with Taraflex
- Side casings moquette trimmed
- Aunde-Baltic trimming to gangway roof upper deck
- Genete trimming to gangway roof lower deck
- Full draw curtains to side and rear windows
- Ergonomic dashboard
- Cupboard next to driver's seat
- Interior mirror to windscreen
- Ashtray for driver and courier
- Carpet in gangway
- Carpet to entrance door, steps and driver's area
- 1 Roller blind to windscreen lower deck, electrically operated
- 1 Roller blind to windscreen upper deck, mechanically operated
- 2 Ejectable roofhatches
- Coat hook behind courier seats
- Luggage area behind driver seat
- Luggage racks upholstered with Aunde-Baltic
- Luggage compartment upholstered with Taraflex
- Cup holder for driver and courier
- Fire extinguisher 6 kg (powder, ABC) with manometer.
- Safe

SEATS

- Pneumatically suspended driver's seat ISRI, with three point safety belt, head rest and armrests
- Vogel twin courier seats, fixed with 3-point safety belt and armrests
- Vogel ECO 40 seats, back adjustable with armrests to middle gangway
- 1 Ashtray per double seat
- Seat belts on all seats
- Lower deck 2 face to face seats behind front axle
- Head rest covers
- Piping

TOILET

- Toilet (disposal unit) in the luggage area via toilet

KITCHEN

- Kitchenette with table for entrance door with cupboard and sink

EXTERIOR - OPTIONS

- ~~Roller blind to windscreen~~ Heated exterior mirrors black