

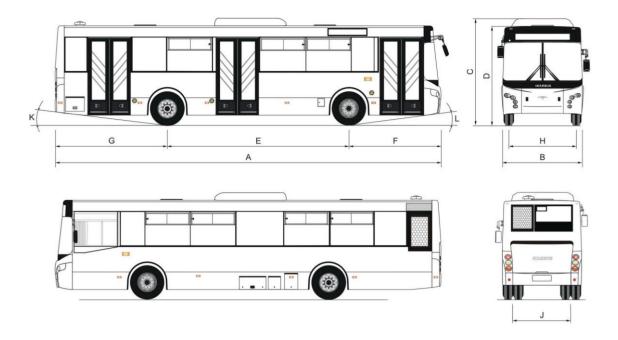
TECHNICAL SPECIFICATION

IK 103

MAN D2066 LUH32 (E5) VOITH DIWA.5

Technical specification – IK 103 (E5)

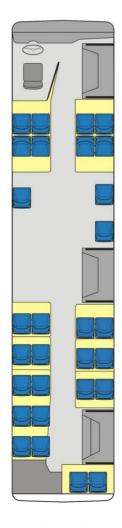




A [mm]	B [mm]	C [mm]	D [mm]	E [mm]	F [mm]	G [mm]	H [mm]	J [mm]	K [°]	L [°]
11995	2500	3056	3300	5650	2858	3487	2023	1835	7	7

Shown seat configurations are examples.

Other configurations are possible.



Doors: 3 Seats: 29+1



MEASUREMENTS

IK RBUS

• (A) Overall length	11995 mm
• (B) Overall width	2500 mm
• (C) Overall height (with A-C)	3300 mm
• (D) Overall height	3056 mm
• (E) Wheelbase	5650 mm
• (F/G) Overhang (front/rear)	

(L) WIICCIDASC	
• (F/G) Overhang (front/rear)	2858/3487 mm
• (H/J) Track (front/rear)	2023/1835 mm
Interior saloon height	2260 mm

• Floor height in 1st and 2nd door area zone......750 mm • First step height360 mm

• Aproach / departure angle.......7°/7°

WEIGHTS

• Max. front axle load	(technically permissible	e)7200 kg
• Max. rear axle load	(technically permissible)	13000 kg

• Max. permissible gross vehicle weight (GVW)....... 18000 kg

ENGINE

Manufacturer	MAN
• Type	D2066 LUH32
= =	EURO 5
Mounting	horizontal, rear
_	4-stroke diesel engine
6 cylinders in	line, with turbo and intercooler
-	nt)10518 cm ³
Bore x stroke	120 x 155 mm
Compression ratio	17:1
=	235 kW (320 hp) / 1900 min ⁻¹
• May torque	

Max. torque.......1600 Nm / 1000-1400 min-1
 Electronically controlled fuel-injection EDC7 C32 P362
 V43 Common Rail with integrated speed limiting device

TRANSMISSION

Gearboxautoma	tic, VOITH DIWA.5 (D 864.5)
	with integrated retarder
Number of gears	4+1(R)
• Ratios	1:4,9-0,73

REAR (DRIVE) AXLE

Rear axle	RABA 718.05
 Friction drum brake 	
Ratio	6,194

FRONT AXLE

- Front axle.....rigid, RABA 932.11
- Friction disc brake with floating brake caliper and ventilated disc

STEERING GEAR

- Hydraulic power-assisted steering
- PPT 8045
- ullet Adjustable steering column



SUSPENSION

IKARBUS

ELECTRICAL EQUIPMENT



• Battery2 x 180 Ah / 12 V
• Generator (Alternator) 3 x 120 A / 28,5 V
• Starter
• Tachograph digital (DTCO)
• Safety switchin accordance with ECE R36
Water cooling with level sensor, buzzer and optic signal
• Engine protection with buzzer and optic signal for too low
oil pressure and too high temperature
Headlightshalogen
Front fog lightshalogen
Rear fog lightsin accordance with ECE R37
Reversing lightsin accordance with ECE R37
Stop lightsin accordance with ECE R37
End-outline lamps (front and rear)
in accordance with ECE R37
Interior lightingLED
Doors area lightinghalogen/LED
Cash register lighting
Stop indicatorspush buttons on handrails

BRAKING SYSTEM

- Dual-circuit braking system, pneumatic
- Front axle: friction disc brake with floating brake caliper and ventilated disc
- Rear axle: drum brake (S-Cam Brake)
- Anti-lock Braking System with Skid Reduction(ABS/ASR)
 - ABS (Anti-lock Braking System), and
 - ASR TCS (Acceleration Skid Reduction Traction Control System)
- Spring parking brake
- Bus stop brake:

door-operated halt-brake on the rear axle in combination with $\ensuremath{\mathsf{ANS/NBS}}$

- Auxiliary brakehydrodinamic retarder
 - integrated in automatic gearbox
 - hand and foot operated
- Air dryer.....single chamber with replaceable element and pressure regulator
- Oil seperator
- Compressor2-cylinder, 720 cm³

FUEL TANK

Capacity	280 (2x140) liters
Made of stainless materials	
• Filler cap	at right-hand side

WHEELS - TYRES

• Rims	8,25 x 22,5"
• Tyres	295/80 R22,5"

PASSENGERS INFORMATION SYSTEM

Option:

- Information panels:
 - Front:route number + destination
 Right side:route number + destination
 Rear:route number
- Information panels color:
 - Front: ______route number + destination
 Right side: _____route number + destination
 Rear: ______route number
- Information panels (interior)
- LCD monitor 19"
- Audio-system



HEATING - VENTILATION - AIR CONDITION

- Passenger compartment heating system:
 - blower heaters
- Driver's cab heating system:
 - heater mounted under driver's control desk (front pult) which also serves for demisting/defrosting the windscreen
 - additional heater embedded in the cradle the driver's $\mbox{\it seat}$
- Liquid
- Autonomous heater, pre-start heating of engine
- Silicon rubber pipes
- Ventilation:
 - roof hatches
 - slide-windows
- Air-conditioner

Option:

• Air-conditioner with heating

INTERIOR

- Passenger seatssingle, plastic, vandal resistant
- Driver's seat with air suspension and automatic weight adjustment
- Handrailspowder painted steel pipes
- Roller blind for windscreen and driver's window
- Heated exterior mirrors
- Interior mirrors

Option:

- Passenger seatssingle, plastic, vandal resistant city bus upholstered seats (easy upholstered seats)
- Central lubricating system
- Oil filling automatic system
- \bullet Automatic extinguisher system in engine compartment
- CCTV

STRUCTURE

- Steel frame tubular structure.....square profiles
- Cavities of steel profiles are protected from inside and outside
- Sides structure in area around wheels made of stainless steel
- Wheel archesmade of stainless steel
- Roof and sidewalls with thermal insulation

IKARBUS

DOORS

- Door arangement.....2-2
- 3 leaf inward swing door (Slide-Glide)
- Power operated by driver (pneumaticaly with electronic control)
- Emergency door control valve inside/outside

GLAZING

Windscreen	laminated, 2 pieces
Side windows	· · · · · · · · · · · · · · · · · · ·
Door glasses	•



