

Technical specifications	
Urbino 10,5	03
Urbino 12	04
Urbino 18	05
Technical drawings	
Urbino 10,5	06
Urbino 12	06
Urbino 18	06
Photos	07 - 09
More: www.solarisbus.com	

		standard option
	Engine	
	Cummins B6.7E6D 250B (182 kW)	•
	Cummins B6.7E6D 280B (204 kW)	0
	Cummins B6.7E6D 300B (220kW)	0
	PACCAR MX-11 220 H3 (220 kW)	0
	PACCAR MX-11 250 H3 (251 kW)	0
	PACCAR MX-11 270 H3 (270 kW)	0
	Transmission	
	ZF-EcoLife	0
	Voith DIWA.6	•
	Voith Diwa NXT + CRU (mild hybrid)	0
	Fuel tank	
	200 l	0
	310 l	•
	AdBlue tank	
	40 l (Cummnis) / 50 l (DAF)	•
	Front axle	
	ZF independent suspension	•
	ZF rigid axle	0
	Drive axle	
	portal axle	•
	Central lubrication	
	central lubrication point - solid lubricating grease	•
	central lubrication system with self-diagnostic - semi-fluid lubrication grease	0
	central lubrication system with self-diagnostic - solid lubricating grease	0
	Steering system	
J	RB Servocom	•
		0
	Hema	O
	Braking system	
	Braking system	
	Braking system EBS (Electronic Braking System), ABS (Anti-Lock Braking System), ASR (Acceleration Slip Regulation)	•
	EBS (Electronic Braking System), ABS (Anti-Lock Braking System), ASR (Acceleration Slip Regulation) ESC (Electronic Stability Control)	•

	Urbino 10,5	standardoption
	Body structure	
	stainless steel	•
	Side panels	
	removable side panels	•
	Door arrangement	1-2-0 2-2-0 1-2-2 2-2-2
5	Entrance height	
•	entrance height for all doors and 275x70R22.5 tyres	320 mm
	Wheelchair ramp	
	wheelchair ramp at the 2nd entrance, manually operated	•
	wheelchair ramp at the 2nd entrance, electrically operated	0
	Number of passenger seats (depending on door arrangement and equipment)	
	class - I	max. 29 + 3
	Air-conditioning in the driver's cabin	
	air-conditioning with electric drive	0
	Air-conditioning in the passenger compartment	
00	air-conditioning with mechanical drive	0
onin	Ventilation system	
and air-conditioning	dual-function fans	•
con	Passenger compartment heating system	
air.	convector-type heaters	•
and	2-stage heaters	•
	Auxiliary heating system	
	additional heater	0
	additional biofuel heater with a separate tank	0
stallation	Electrical installation	
. —	Electrical metallation	

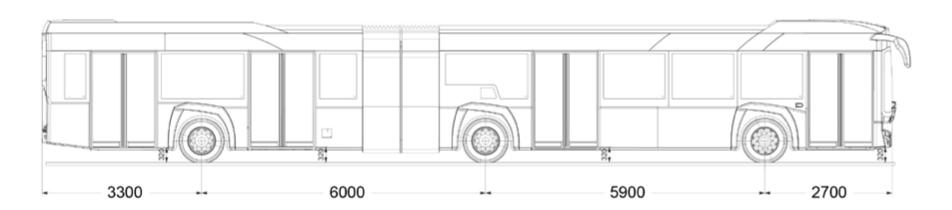
Urbino 12	standardoption
Engine	
Cummins B6.7E6D 250B (182 kW)	0
Cummins B6.7E6D 280B (204 kW)	•
Cummins B6.7E6D 300B (220kW)	0
PACCAR MX-11 220 H3 (220 kW)	0
PACCAR MX-11 250 H3 (251 kW)	0
PACCAR MX-11 270 H3 (270 kW)	0
Transmission	
ZF-EcoLife	0
Voith DIWA.6	•
Voith Diwa NXT + CRU (mild hybrid)	0
Fuel tank	
200 l	0
310 l	•
AdBlue tank	
Front axle ZF independent suspension	•
ZF rigid axle	0
Drive axle	
portal axle	•
Central lubrication	
central lubrication point - solid lubricating grease	•
central lubrication system with self-diagnostic - semi-fluid lubrication grease	0
central lubrication system with self-diagnostic - solid lubricating grease	0
Steering system	
RB Servocom	•
Hema	0
Braking system	
EBS (Electronic Braking System), ABS (Anti-Lock Braking System), ASR (Acceleration Slip Regulation	n) •
ESC (Electronic Stability Control)	0
Auxiliary brake	
transmission-integrated retarder	•
Suspension levelling system	
ECAS air suspension with leveling and kneeling function	•

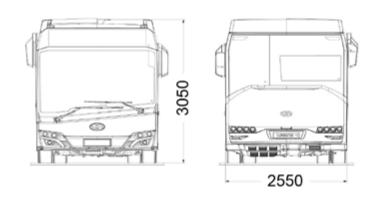
	Urbino 12	standardoption
	Body structure	
	stainless steel	•
	Side panels	
	removable side panels	•
Bodywork	Door arrangement	1-2-0 2-2-0 1-2-2 2-2-2
ody	Entrance height	
Ω.	entrance height for all doors and 275x70R22.5 tyres	320 mm
	Wheelchair ramp	
	wheelchair ramp at the 2nd entrance, manually operated	•
	wheelchair ramp at the 2nd entrance, electrically operated	0
	Number of passenger seats (depending on door arrangement and equipment)	
	class - I	max. 37 + 3
	Air-conditioning in the driver's cabin	
	air-conditioning with electric drive	0
	Air-conditioning in the passenger compartment	
_ 10.0	air-conditioning with mechanical drive	0
, ventilation conditioning	Ventilation system	
Heating, ventilation and air-conditioning	dual-function fans	•
ver cond	Passenger compartment heating system	
ting air-	convector-type heaters	•
Hear	2-stage heaters	•
10	Auxiliary heating system	
	additional heater	0
	additional biofuel heater with a separate tank	0
	Electrical installation	
Electrical installation	electrical installation based on CAN-Bus system	•

Urbino 18	standardoption
Engine	
PACCAR MX-11 250 H3 (251 kW)	•
PACCAR MX-11 270 H3 (270 kW)	0
Transmission	
ZF-EcoLife	0
Voith DIWA.6	•
Fuel tank	
360 l	•
AdBlue tank	
40 l (Cummnis) / 50 l (DAF)	•
Front axle	
ZF independent suspension	•
ZF rigid axle	0
Drive axle	
portal axle	•
Central axle	
neutral axle	•
Central lubrication	
central lubrication point - solid lubricating grease	•
central lubrication system with self-diagnostic - semi-fluid lubrication grease	0
central lubrication system with self-diagnostic - solid lubricating grease with	0
articulation lubrication	
Steering system	
RB Servocom	•
Braking system	
EBS (Electronic Braking System), ABS (Anti-Lock Braking System), ASR (Acceleration Slip Regulation)	•
Auxiliary brake	
transmission-integrated retarder	•
Suspension levelling system	
ECAS air suspension with leveling and kneeling function	•

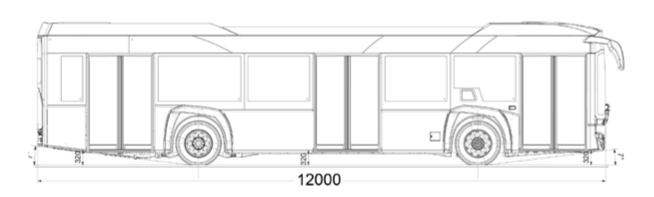
	Urbino 18	standardoption
	Body structure	
	stainless steel	•
	Side panels	
	removable side panels	•
×	Door arrangement	1-2-2-0 2-2-2-0 1-2-2-2
Bodywork	Entrance height	2-2-2
Bo	entrance height for all doors and 275x70R22.5 tyres	320 mm
	Wheelchair ramp	
	wheelchair ramp at the 2nd entrance, manually operated	•
	wheelchair ramp at the 2nd entrance, electrically operated	0
	Number of passenger seats (depending on door arrangement and equipment)	
	class - I	max. 48 + 6
	Air-conditioning in the driver's cabin air-conditioning with electric drive Air-conditioning in the passenger compartment	0
on ing	air-conditioning with mechanical drive	0
Heating, ventilation and air-conditioning	Ventilation system	
ent ndit	dual-function fans	•
Heating, ventilation and air-conditioning	Passenger compartment heating system	
eatii id ai	convector-type heaters	•
He	2-stage heaters	•
	Auxiliary heating system	
	additional heater	0
	additional biofuel heater with a separate tank	0
lr On	Electrical installation	
Electrical installation	electrical installation based on CAN-Bus system	•

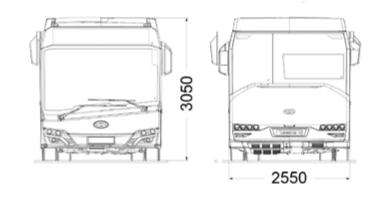
> Urbino 18



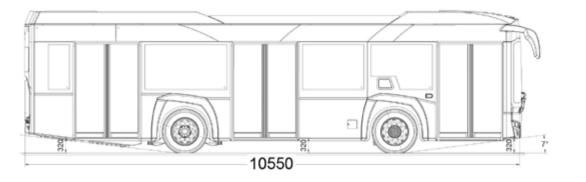


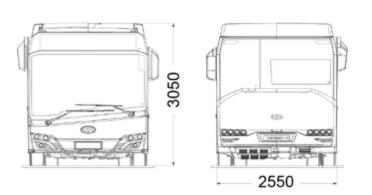
> Urbino 12





> Urbino 10,5



























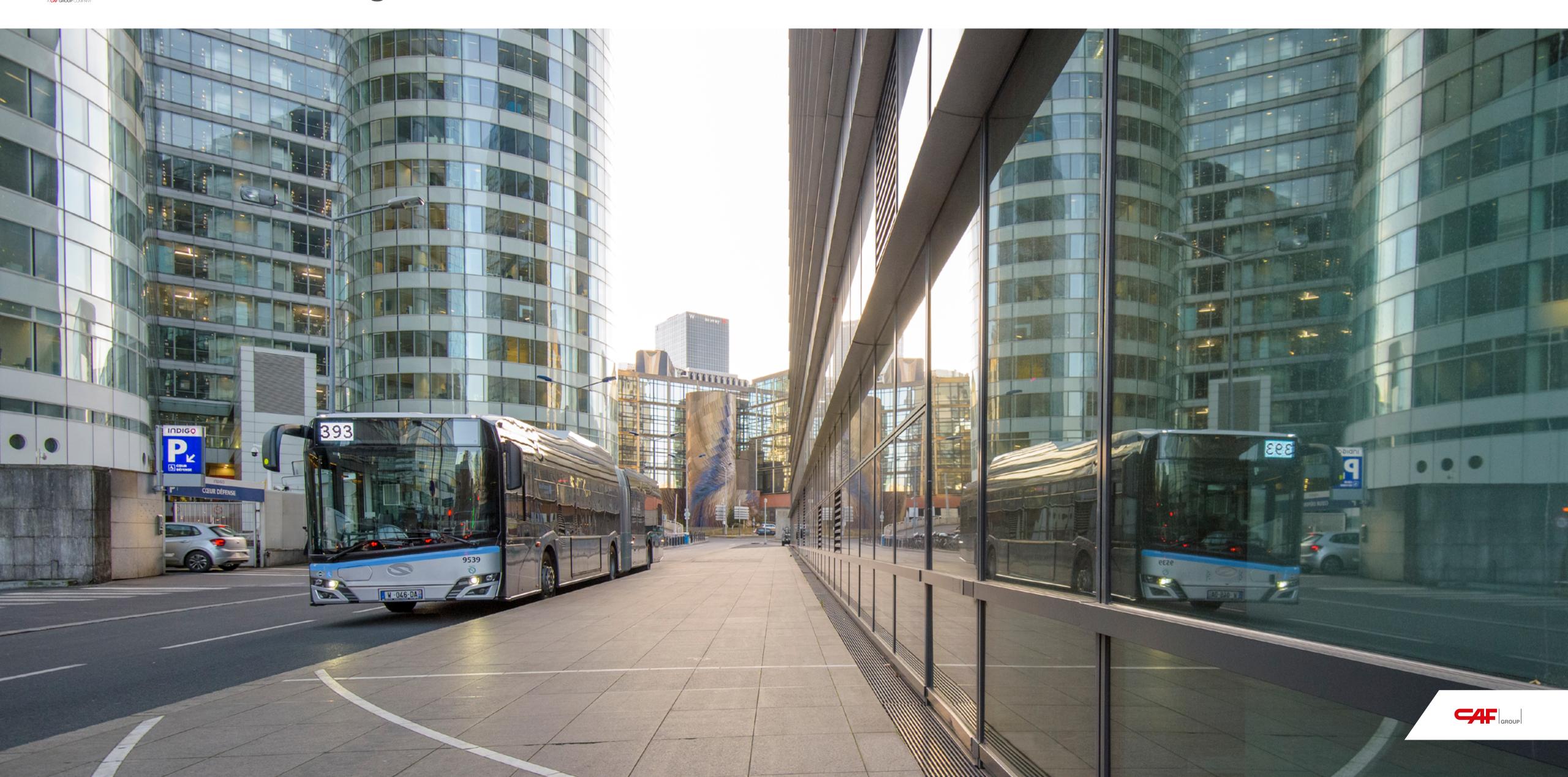


Solaris Bus & Coach sp. z o.o. ul. Obornicka 46, 62-005 Owińska, Poland Tel. +48 61 667 2333, Fax +48 61 667 2310 solarisbus@solarisbus.com, www.solarisbus.com 2023.06



LOW EMISSIONS POWERTRAIN

Product catalogue 2023





Technical specifications	
Urbino 12 CNG	03
Urbino 18 CNG	04
Urbino 12 hybrid	05
Urbino 18 hybrid	06
Technical drawings	
Urbino 12 CNG	07
Urbino 18 CNG	07
Urbino 12 hybrid	07
Urbino 18 hybrid	07
Photos	08 - 11
More: www.solarisbus.com	

	Urbino 12 CNG	standardoption		Urb
	Engine			Bod
	Cummins L9NE6DII320 (235kW)	•		st
	Transmission			Side
a)	Voith DIWA.6	•		re
eline	ZF-EcoLife	0		Doo
Driveline	Voith Diwa NXT + CRU (mild hybrid)	0	~	
	Gas tanks		Bodywork	
	composite gas cylinder 4 x 315 l	•	ody	Enti
	composite gas cylinder 5 x 315 l	0	<u> </u>	er
	composite gas cylinder 5 x 340 l	0		Whe
				W
	Front axle			W
	ZF independent axle	•		Nun
	ZF rigid axle	0		
	Drive axle			Air-
	ZF portal axle	•		ai
	Central lubrication			ai
Chassis	central lubrication point - solid lubricating grease	•		Air-
Cha	central lubrication system with self-diagnostic - semi-fluid lubrication grease	0	− ∞	ai
	Steering system		ventilation onditioning	Ven
	RB Servocom	•	ntila ditio	dı
	Braking system			Roo
	EBS (Electronic Braking System), ABS (Anti-Lock Braking System),	•	Heating, and air-c	m
	ASR (Acceleration Slip Regulation)		Hea and	el
	ESC (Electronic Stability Control)	0		Pas
	Auxiliary brake			CN
	transmission-integrated retarder	•		CC
	Suspension levelling system			2-
	ECAS air suspension with leveling and kneeling function	•		

	Urbino 12 CNG	standardoption
	Body structure	
	stainless steel	•
	Side panels	
	removable side panels	•
Bodywork	Door arrangement	1-2-0 2-2-0 1-2-2 2-2-2
3od)	Entrance height	
_	entrance height for all doors and 275x70R22.5 tyres	320 mm
	Wheelchair ramp	
	wheelchair ramp at the 2nd entrance, manually operated	•
	wheelchair ramp at the 2nd entrance, electricaly operated	0
	Number of passenger seats (depending on door arrangement and equipment)	max. 37 + 3
	Air-conditioning in the driver's cabin	
	air-conditioning powered by passenger compartment unit	0
	air-conditioning with electric drive	0
	Air-conditioning in the passenger compartment	
ng ng	air-conditioning with mechanical drive	0
latic ionii	Ventilation system	
, ventilation conditioning	dual-function fans	•
Heating, ventilation and air-conditioning	Roof hatches	
Heating and air-	manual	0
He	electric	•
	Passenger compartment heating system	
	CNG additional heater	0
	convector-type heaters	0
	2-stage blowers	•
ical Ition		
Electrical installation	Electrical installation electrical installation based on CAN-Bus system	•

		standard option
	Engine	
	Cummins L9NE6DII320 (235kW)	•
	Transmission	
4	Voith DIWA.6	•
Driveline	ZF-EcoLife	0
)rive	Gas tanks	
	composite gas cylinder 5 x 315 l	0
	composite gas cylinder 5 x 340 l	0
	composite gas cylinder 5 x 375 l	•
	Front axle	
	ZF independent axle	•
	ZF rigid axle	0
	Drive axle	
	ZF portal axle	•
	Central axle	
	ZF neutral axle	•
S	Central lubrication	
Chassis	central lubrication point - solid lubricating grease	•
S	central lubrication system with self-diagnostic - semi-fluid lubrication grease	0
	Steering system	
	RB Servocom	•
	Braking system	
	EBS (Electronic Braking System), ABS (Anti-Lock Braking System), ASR (Acceleration Slip Regulation	1) •
	Auxiliary brake	
	transmission-integrated retarder	•
	Suspension levelling system	
	ECAS air suspension with leveling and kneeling function	•

	Urbino 18 CNG	standardoption
	Body structure	
	stainless steel	•
	Side panels	
	removable side panels	•
	Door arrangement	1-2-2-0 2-2-2-0 1-2-2-2 2-2-2-2
Ŝ	Entrance height	
•	entrance height for all doors and 275x70R22.5 tyres	320 mm
	Wheelchair ramp	
	wheelchair ramp at the 2nd entrance, manually operated	•
	wheelchair ramp at the 2nd entrance, electricaly operated	0
	Number of passenger seats (depending on door arrangement and equipment)	max. 49 + 6
	Air-conditioning in the driver's cabin	
	air-conditioning powered by passenger compartment unit	0
	air-conditioning with electric drive	0
	Air-conditioning in the passenger compartment	
60	air-conditioning with mechanical drive	0
onin	Ventilation system	
and air-conditioning	dual-function fans	•
Ç0n	Roof hatches	
air	manual	0
and	electric	•
	Passenger compartment heating system	
	CNG additional heater	0
	convector-type heaters	0
	2-stage blowers	•
tion		
Electrical nstallation	Electrical installation	

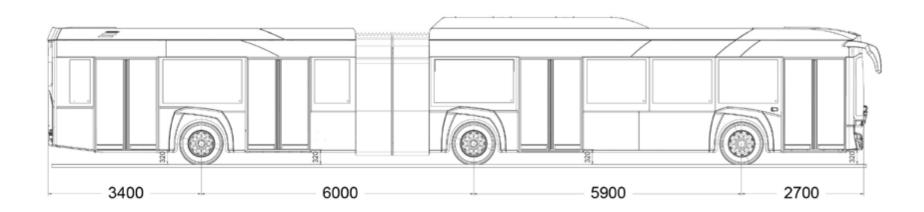
Urbino 12 hybrid	standardoption
Engine	
Cummins B4.5E6D210H (151 kW)	•
Hybrid system	
type	serial
Energy storage system	
traction motor of 120 kW continuous power	•
generator of 145 kW power	•
Fuel-tank	
200 l	•
310 l	0
AdBlue-tank - 40 l	•
Auxiliary heating system	
additional heater	0
additional biofuel heater with a separate tank	0
Front axle	
ZF independent axle	•
ZF rigid axle	0
Drive axle	
ZF portal axle	•
Central lubrication	
central lubrication point - solid lubricating grease	•
central lubrication system with self-diagnostic - semi-fluid lubrication grease	0
Steering system	
RB Servocom	•
Hema	0
Braking system	
EBS (Electronic Braking System), ABS (Anti-Lock Braking System), ASR (Acceleration Slip Regul	lation) •
ESC (Electronic Stability Control)	0
Auxiliary brake	
electrodynamic brake (with energy recovery)	•
Suspension levelling system	
ECAS air suspension with leveling and kneeling function	•

	Urbino 12 hybrid	standardoption
	Body structure	
	stainless steel	•
	Side panels	
	removable side panels	•
	Door arrangement	1-2-0
¥		2-2-0 1-2-2
sogywork		2-2-2
Sous	Entrance height	
_	entrance height for all doors and 275x70R22.5 tyres	320 mm
	Wheelchair ramp	
	wheelchair ramp at the 2nd entrance, manually operated	•
	wheelchair ramp at the 2nd entrance, electricaly operated	0
	Number of passenger seats (depending on door arrangement and equipment)	max. 37 + 3
	Air-conditioning in the driver's cabin	
	air-conditioning powered by passenger compartment unit	0
	air-conditioning with electric drive	0
	Air-conditioning in the passenger compartment	
- <i>p</i> 0	air-conditioning with mechanical drive	0
onin Onin	Ventilation system	
neatilig, ventitation and air-conditioning	dual-function fans	0
30	Roof hatches	
neauiig and air-	manual	0
and	electric	•
	Passenger compartment heating system	
	additional heater	•
	convector-type heaters	0
	2-stage blowers	•
electrical installation	Electrical installation	
insta	electrical installation based on CAN-Bus system	•

Urbino 18 hybrid	standardoption
Engine	
Cummins B6.7E6D300H (220 kW)	•
Hybrid system	
type	serial
Energy storage system	
traction motor of 200 kW continuous power	•
generator of 200 kW power	•
Fuel-tank	
360 l	•
AdBlue-tank - 40 l	•
Auxiliary heating system	
additional heater	0
additional biofuel heater with a separate tank	0
Front axle	
ZF independent axle	•
ZF rigid axle	0
Drive axle	
ZF portal axle	•
Central axle	
ZF neutral axle	•
Central lubrication	
central lubrication point - solid lubricating grease	•
central lubrication system with self-diagnostic - semi-fluid lubrication grease	0
Steering system	
RB Servocom	•
Braking system	
EBS (Electronic Braking System), ABS (Anti-Lock Braking System), ASR (Acceleration Slip Regulat	cion) •
Auxiliary brake	
electrodynamic brake (with energy recovery)	•

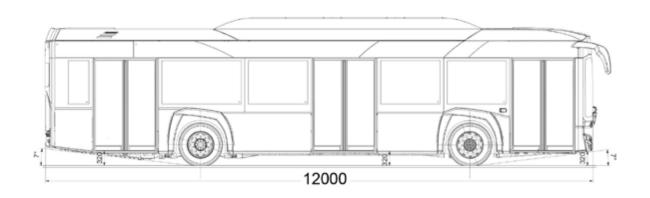
	Urbino 18 hybrid	standardoption
	Body structure	
	stainless steel	•
	Side panels	
	removable side panels	•
Sodywork	Door arrangement	1-2-2-0 2-2-2-0 1-2-2-2 2-2-2-2
30d)	Entrance height	
	entrance height for all doors and 275x70R22.5 tyres	320 mm
	Wheelchair ramp	
	wheelchair ramp at the 2nd entrance, manually operated	•
	wheelchair ramp at the 2nd entrance, electricaly operated	0
	Number of passenger seats (depending on door arrangement and equipment)	max. 49 + 6
	Air-conditioning in the driver's cabin	
	air-conditioning powered by passenger compartment unit	0
	air-conditioning with electric drive	0
	Air-conditioning in the passenger compartment	
= ā	air-conditioning with mechanical drive	Ο
atio onin	Ventilation system	
ditio	dual-function fans	0
Heating, Ventilation and air-conditioning	Roof hatches	
aum air-	manual	0
and	electric	•
	Passenger compartment heating system	
	additional heater	•
	convector-type heaters	0
	2-stage blowers	•
Electrical installation	Electrical installation	
tall	electrical installation based on CAN-Bus system	•

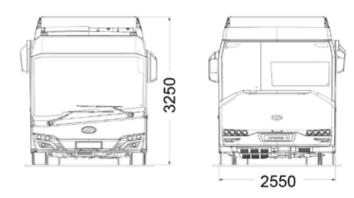
> Urbino 18 CNG



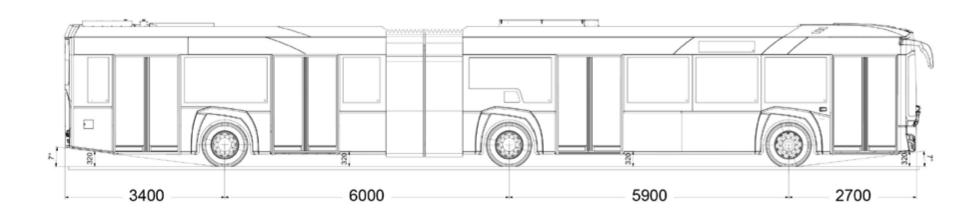


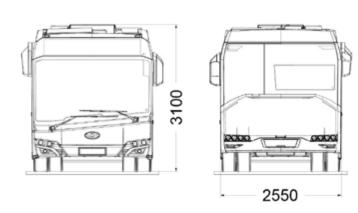
> Urbino 12 CNG



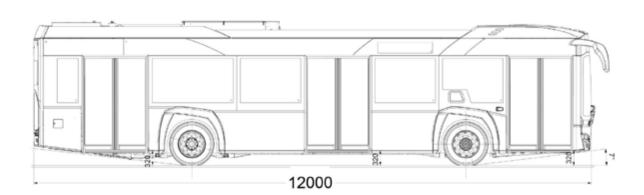


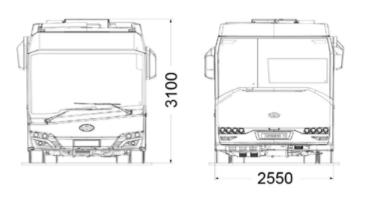
Urbino 18 hybrid





> Urbino 12 hybrid



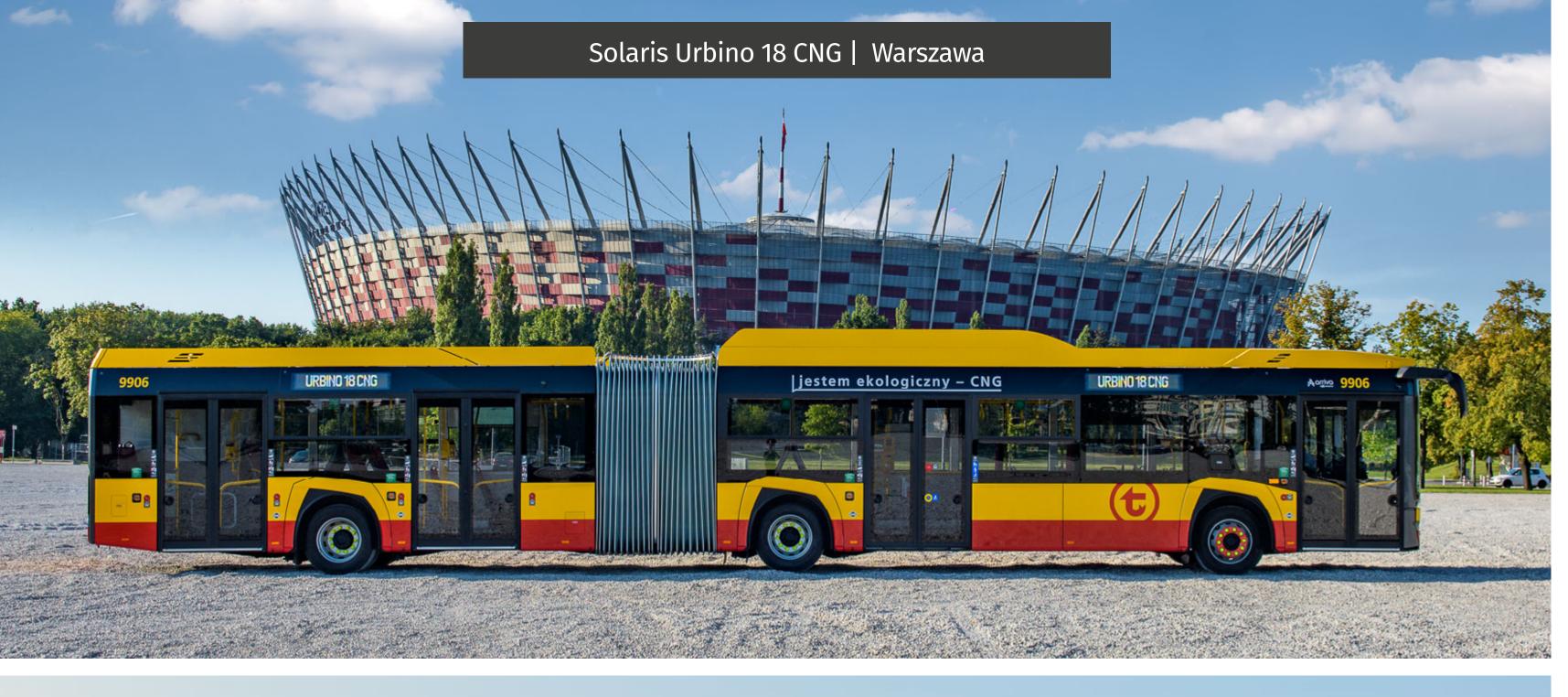








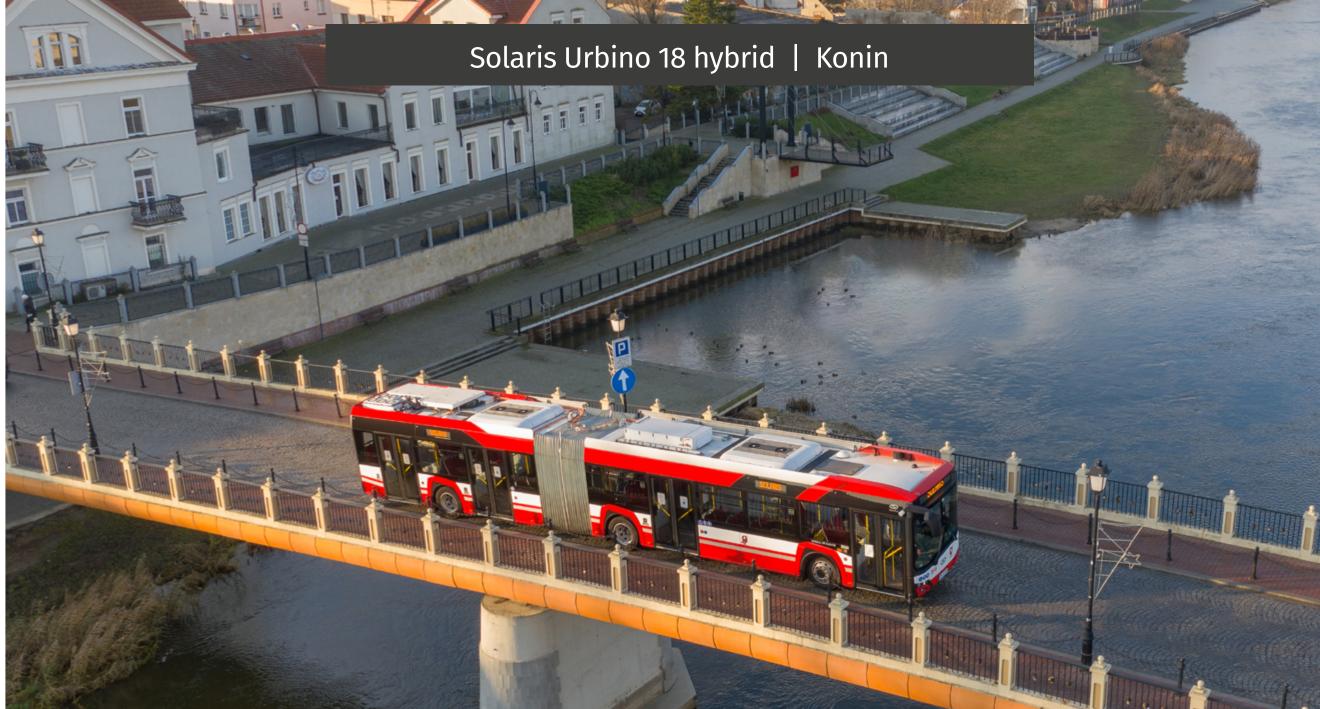










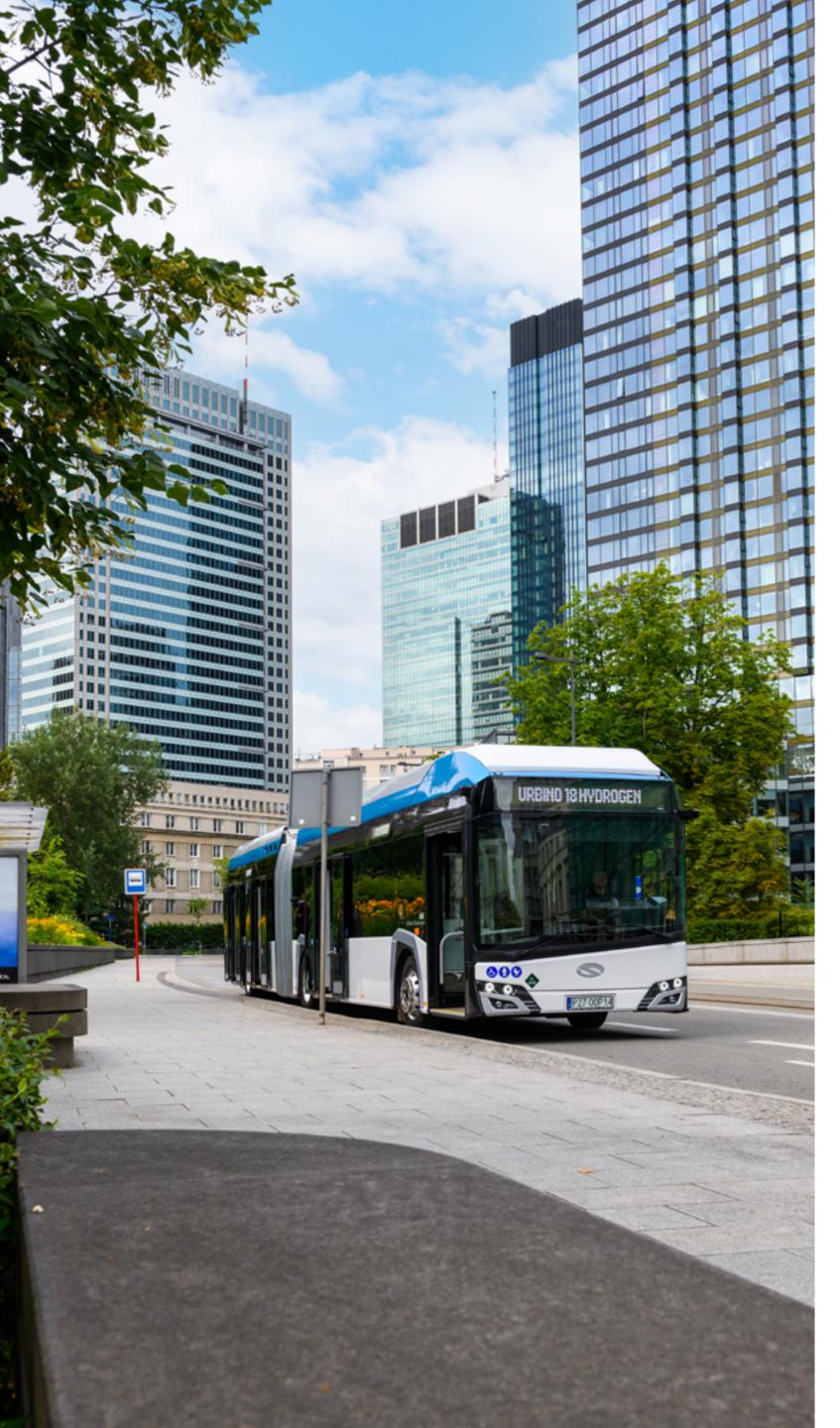












Technical specifications	
Urbino 9 LE electric	<u>03</u>
Urbino 15 LE electric	<u>04</u>
Urbino 12 electric	<u>05</u>
Urbino 18 electric	<u>06</u>
Urbino 24 electric	<u>07</u>
Urbino 12 hydrogen	<u>08</u>
Urbino 18 hydrogen	<u>09</u>
Trollino 12	<u>10</u>
Trollino 18	<u>11</u>
Trollino 24	<u>12</u>
Technical drawings	
Urbino 9 LE electric	<u>13</u>
Urbino 15 LE electric	<u>13</u>
Urbino 12 electric	<u>13</u>
Urbino 18 electric	<u>13</u>
Urbino 12 hydrogen	<u>14</u>
Urbino 18 hydrogen	<u>14</u>
Trollino 12	<u>15</u>
Trollino 18	<u>15</u>
Trollino 24	<u>15</u>
Trollino 24 Metrostyle	<u>16</u>
Photos	<u>17 - 24</u>
More: www.solarisbus.com	

	Urbino 9 LE electric	standardoption
Driveline		
	Motor (maximum power)	
	Synchronous motor 220 kW	•
	Traction batteries	
	lithium-ion (capacity depending on specification)	•
Driv	operation up to 24h (depending on batteries capacity and charging system)	•
	Charging system	
	plug-in	•
	pantograph	0
	Front axle ZF independent suspension	•
	Drive axle	
	DANA rigid axle	•
	Central lubrication	
<u>.s</u>	central lubrication point - solid lubricating grease	•
Chassis	central lubrication system with self-diagnostic - semi-fluid lubrication grease	0
Ö	Steering system	
	RB Servocom	•
	Braking system	
	EBS (Electronic Braking System), ABS (Anti-Lock Braking System), ASR (Acceleration Slip Regulation)	•
	ESC (Electronic Stability Control)	0
	Suspension levelling system	
	ECAS air suspension with leveling and kneeling function	•

	Urbino 9 LE electric	standardoption
	Pody structuro	
	Stainless steel	•
	Side panels	
	removable side panels	•
M	Door arrangement	1-2
Bodywork	Entrance height	1 2
ody	Entrance height for all doors and 265x70R19.5 wheels	320 mm
Ď	Entrance height for all doors and 285x70R19.5 wheels	335 mm
	Wheelchair ramp	
	Wheelchair ramp at the 2nd entrance, manually operated	•
	Wheelchair ramp at the 2nd entrance, operateed	0
	Number of passenger seats (depending on equippment)	max. 31
_ w →	Air-conditioning in the driver's cabin	
Heating, ventilation and air-conditioning	air-conditioning powered by passenger compartment unit	0
, ventilation conditioning	Air-conditioning in the passenger compartment	
s, ve	air-conditioning with electrical drive	0
ating air	air-conditioning with CO ₂ heat pump	0
Hea	Ventilation system	
	dual-function fans	0
al		
tric	Electrical installation	
Electrical nstallation	electrical installation based on CAN-Bus system	•

	Urbino 15 LE electric	standardoption
	Motor (maximum power)	•
	asynchronous motor 280 kW	
ח	asynchronous motor 300 kW	0
Driveline	Traction batteries	
	lithium-ion (capacity depending on specification)	•
	operation up to 24h (depending on batteries capacity and charging system)	•
	Charging system	
	plug-in	•
	pantograph	Ο
	ZF independent suspension Drive axle ZF portal axle Tag axle ZF tag axle ZF tag axle with active steering	•
SIS	Central lubrication	
Cnassis	central lubrication point - solid lubricating grease	•
	central lubrication system with self-diagnostic - semi-fluid lubrication grease	0
	Steering system	
	RB Servocom	•
	Braking system	
	EBS (Electronic Braking System), ABS (Anti-Lock Braking System), ASR (Acceleration Slip Regulation)	•
	ESC (Electronic Stability Control)	0
	Suspension levelling system	
	ECAS air suspension with leveling and kneeling function	•

	Urbino 15 LE electric	standardoption
	Body structure	
	stainless steel	•
	Side panels	
	removable side panels	•
	Door arrangement	1-2-0 2-2-0 1-2-1 2-2-1
ı	Entrance height	
	Entrance height for all doors and 275x70R22.5 wheels	320 mm
	Entrance height for all doors and 295x80R22.5 wheels	360 mm
	Wheelchair ramp	
	Wheelchair ramp at the 2nd entrance, manually operated	•
	Wheelchair ramp at the 2nd entrance, operateed	0
	Number of passenger seats (depending on door arrangement and batteries)	max. 65
	Air-conditioning in the driver's cabin	
ng	air-conditioning powered by passenger compartment unit	0
conditioning	air-conditioning with electric drive	0
ndi	Air-conditioning in the passenger compartment	
) ī	air-conditioning with electrical drive	0
and air	air-conditioning with CO2 heat pump	0
Heating, ventilation and air-conditioning	Ventilation system	
	dual-function fans	•
ion	Electrical installation	
nstallation	electrical installation based on CAN-Bus system	•

Urbino 12 electric	standardoption
Motor (maximum power)	
asynchronous motor 160 kW	0
asynchronous motor 200 kW	•
electric portal axle ZF AVE130 2x125 kW	0
Traction batteries	
lithium-ion (capacity depending on specification)	•
operation up to 24h (depending on batteries capacity and charging system)	•
Charging system	
plug-in	•
pantograph	0
	0
ZF independent suspension	•
ZF rigid axle	0
Drive axle	
ZF portal axle	0
ZF portal axle with integrated electric motors	•
Central lubrication	
central lubrication point - solid lubricating grease	•
central lubrication system with self-diagnostic - semi-fluid lubrication grease	0
Steering system	
RB Servocom	•
Braking system	
EBS (Electronic Braking System), ABS (Anti-Lock Braking System),	•
ASR (Acceleration Slip Regulation)	
ESC (Electronic Stability Control)	0
Suspension levelling system	
FCAS air suspension with leveling and kneeling function	•

	Urbino 12 electric	standardoption
	Body structure	
	stainless steel	•
	Side panels	
	removable side panels	•
	Door arrangement	1-2-0
		2-2-0
,		1-2-2 2-2-2
	Entrance height	
	entrance height for all doors and 275x70R22.5 wheels	320 mm
	Wheelchair ramp	
	Wheelchair ramp at the 2nd entrance, manually operated	•
	Wheelchair ramp at the 2nd entrance, operateed	0
	Number of passenger seats (depending on door arrangement and batteries)	max. 39 + 4
	Air-conditioning in the driver's cabin	
ing	Air-conditioning in the driver's cabin air-conditioning powered by passenger compartment unit	0
tioning	air-conditioning powered by passenger compartment unit	0
nditioning	air-conditioning powered by passenger compartment unit air-conditioning with electric drive	
-	air-conditioning powered by passenger compartment unit air-conditioning with electric drive Air-conditioning in the passenger compartment	
-	air-conditioning powered by passenger compartment unit air-conditioning with electric drive Air-conditioning in the passenger compartment air-conditioning with electrical drive	0
-	air-conditioning powered by passenger compartment unit air-conditioning with electric drive Air-conditioning in the passenger compartment air-conditioning with electrical drive air-conditioning with CO ₂ heat pump	0
-	air-conditioning powered by passenger compartment unit air-conditioning with electric drive Air-conditioning in the passenger compartment air-conditioning with electrical drive	0
installation and air-conditioning	air-conditioning powered by passenger compartment unit air-conditioning with electric drive Air-conditioning in the passenger compartment air-conditioning with electrical drive air-conditioning with CO ₂ heat pump Ventilation system	0

	Urbino 18 electric	standardoption
line	Motor (maximum power)	
	asynchronous motor 240 kW	•
	electric portal axle ZF AVE130 2x125 kW (*)	0
	Traction batteries	
Oriveline	lithium-ion (capacity depending on specification)	•
Ω	operation up to 24h (depending on batteries capacity and charging system)	•
	Charging system	
	plug-in	•
	pantograph	0
	Front axle ZF independent suspension ZF rigid axle (*) Drive axle ZF portal axle	•
	ZF portal axle with integrated electric motors (*)	0
	Central axle	_
10	ZF neutral axle	•
Chassis	Central lubrication	_
Chi	central lubrication point - solid lubricating grease	•
	central lubrication system with self-diagnostic - semi-fluid lubrication grease	0
	Steering system	
	RB Servocom	•
	Braking system	
	EBS (Electronic Braking System), ABS (Anti-Lock Braking System),	•
	ASR (Acceleration Slip Regulation)	
	Suspension levelling system	•
	ECAS air suspension with leveling and kneeling function	•

(*) not available in the version with a modular drive

	Urbino 18 electric	standardoption
	Body structure	
	stainless steel	•
	Side panels	
	removable side panels	•
Souywork	Door arrangement	1-2-2-0 2-2-2-0 1-2-2-2 2-2-2-2
2	Entrance height	
	entrance height for all doors and 275x70R22.5 wheels	320 mm
	Wheelchair ramp	
	Wheelchair ramp at the 2nd entrance, manually operated	•
	Wheelchair ramp at the 2nd entrance, operateed	0
	Number of passenger seats (depending on door arrangement and batteries)	max. 52 + 6
	Air-conditioning in the driver's cabin	
ing	air-conditioning powered by passenger compartment unit	0
tion	air-conditioning with electric drive	0
, ventilation conditioning	Air-conditioning in the passenger compartment	
	air-conditioning with electrical drive	0
Heating, ventilation and air-conditioning	air-conditioning with CO ₂ heat pump	0
a T	Ventilation system	
	dual-function fans	•
cal tion	Electrical installation	
Electrical installation	electrical installation based on CAN-Bus system	•

	Urbino 24 electric	standardoption
	Drive system	
	electric portal axle ZF AVE130 2x125 kW	0
	Traction batteries	
line	lithium-ion batteries (capacity depending on specification)	0
Driveline	Pantographs	
	manual pantograph	0
	semiautomatic or automatic pantograph	•
	Front axle	
	ZF independent suspension	•
	ZF rigid axle	0
	Drive axle	
	ZF portal axle	•
	Central axle	
	ZF neutral axle	•
	Fourth axle	
	ZF tag axle	0
S	ZF tag axle with active steering	•
Chassis	Central lubrication	
Ch	central lubrication point - solid lubricating grease	•
	central lubrication system with self-diagnostic - semi-fluid lubrication grease	0
	Steering system	
	RB Servocom	•
	Braking system	
	EBS (Electronic Braking System), ABS (Anti-Lock Braking System), ASR (Acceleration Slip Regulation)	•
	Suspension levelling system	
	FCAS air suspension with leveling and kneeling function	•

	Urbino 24 electric	standardoption
¥	Body structure	
	stainless steel	•
	Side panels	
	removable side panels	•
	Door arrangement	1-2-2-2-0 1-2-2-2
Bodywork	Entrance height	
Вос	entrance height for all doors	320 mm
	Wheelchair ramp	
	wheelchair ramp at the 2nd entrance, manually operated	•
	wheelchair ramp at the 2nd entrance, electrically operated	0
	Number of passenger seats (depending on door arrangement and batteries)	max. 68
ventilation onditioning	Air-conditioning in the driver's cabin air-conditioning powered by passenger compartment unit air-conditioning with electric drive Air-conditioning in the passenger compartment air-conditioning with electrical drive	0
ent ndit	Ventilation system	
න් <u>'</u>	dual-function fans	•
Heating, and air-c	Passenger compartment heating system	
an	electric 1-stage blowers	0
	water heating, electric water heater TJ40.3 (40 kW), convector-type heaters, 2-stage blowers	•
cal	Electric installation	
Electrical nstallation	electrical installation based on Can-Bus system	•

	Urbino 12 hydrogen	standardoption
	Body structure	
	stainless steel	•
	Side panels	
	removable side panels	•
	·	1-2-0
¥	Door arrangement	2-2-0
Bodywork		1-2-2
Bod		2-2-2
	Entrance height	220
	entrance height for all doors	320 mm
	Wheelchair ramp	
	wheelchair ramp at the 2nd entrance, manually operated	•
	wheelchair ramp at the 2nd entrance, electrically operated	0
	Number of passenger seats (depending on door arrangement and batteries)	max. 37 + 4
on ing		
ilati	Air-conditioning in the driver's cabin	
vent ondi	air-conditioning powered by passenger compartment unit	•
Heating, ventilation and air-conditioning	Air-conditioning in the passenger compartment	
	air-conditioning with electrical drive	0
	air-conditioning with CO2 heat pump	•
alion	Electrical installation	
Electrical nstallation	electrical installation based on CAN-Bus system	•
El ins		

	Urbino 18 hydrogen	standardoption
	Braking system	
	EBS (Electronic Braking System), ABS (Anti-Lock Braking System), ASR (Acceleration Slip Regulation)	•
	Suspension levelling system	
	ECAS air suspension with leveling and kneeling function	•
	Body structure	
	stainless steel	•
	Side panels	
	removable side panels	•
dywork	Door arrangement	1-2-2-0 2-2-2-0 1-2-2-2 2-2-2-2
Bod	Entrance height	
	entrance height for all doors	320 mm
	Wheelchair ramp	
	wheelchair ramp at the 2nd entrance, manually operated	•
	wheelchair ramp at the 2nd entrance, electrically operated	0
	Number of passenger seats (depending on door arrangement and batteries)	max. 52 + 6
n ge	Air-conditioning in the driver's cabin	
atio	air-conditioning powered by passenger compartment unit	•
entil nditi	Air-conditioning in the passenger compartment	
g, v6 -cor	air-conditioning with electrical drive	Ο
Heating, ventilation and air-conditioning	air-conditioning with CO2 heat pump	•
ical	Electrical installation	
Electrical installation	electrical installation based on CAN-Bus system	•

	Trollino 12	standardoption		1
	Drive system			E
	MEDCOM ANT 175-600 (IGBT) asynchronous 175 kW 6-pole motor	0		
	MEDCOM ANT 175-600 (IGBT) asynchronous 160 kW 4-pole motor	0		5
	Škoda BlueDrive (IGBT) asynchronous 160 kW 4-pole motor	0		_
2	Kiepe IMC 500 (IGBT) asynchronous 160 kW 4-pole motor	0		[
7	Traction batteries		<u>~</u>	
	lithium-ion batteries (capacity depending on specification)	0	WOF	
	Pantographs		Bodywork	E
	manual pantograph	•	Δ.	
	semiautomatic or automatic pantograph	0		\
	Front axle			ľ
	ZF independent suspension	0		
	ZF rigid axle			F
	Drive axle			_
	ZF portal axle		10.0	_
	Central lubrication		tilation itioning	-
	central lubrication point - solid lubricating grease		tilat	
	central lubrication system with self-diagnostic - semi-fluid	0	ven	_
	lubrication grease		ing air-c	_
	Steering system		Heatii and a	_
	RB Servocom		– 6	F
	Braking system			
	EBS (Electronic Braking System), ABS (Anti-Lock Braking System),	•		
	ASR (Acceleration Slip Regulation)			
	Suspension levelling system ECAS air avenancian with leveling and knowling function			
	ECAS air suspension with leveling and kneeling function	•	al on	_

	Trollino 12	standardoption
	Body structure	
	stainless steel	•
	Side panels	
	removable side panels	•
	Door arrangement	1-2-0 2-2-0 1-2-2 2-2-2
	Entrance height	
	entrance height for all doors	320 mm
	Wheelchair ramp	
	wheelchair ramp at the 2nd entrance, manually operated	•
	whoolehair ramp at the 2nd entrance electrically enerated	0
	wheelchair ramp at the 2nd entrance, electrically operated	
	Number of passenger seats (depending on door arrangement and batteries)	max. 39 + 4
ලු		max. 39 + 4 o
oning	Number of passenger seats (depending on door arrangement and batteries) Air-conditioning in the driver's cabin air-conditioning powered by passenger compartment unit	0
nditioning	Number of passenger seats (depending on door arrangement and batteries) Air-conditioning in the driver's cabin air-conditioning powered by passenger compartment unit air-conditioning with electric drive	0
-conditioning	Air-conditioning in the driver's cabin air-conditioning powered by passenger compartment unit air-conditioning with electric drive Air-conditioning in the passenger compartment	O O
air	Number of passenger seats (depending on door arrangement and batteries) Air-conditioning in the driver's cabin air-conditioning powered by passenger compartment unit air-conditioning with electric drive Air-conditioning in the passenger compartment air-conditioning with electrical drive	0
air	Air-conditioning in the driver's cabin air-conditioning powered by passenger compartment unit air-conditioning with electric drive Air-conditioning in the passenger compartment air-conditioning with electrical drive Ventilation system	0
and air-conditioning	Air-conditioning in the driver's cabin air-conditioning powered by passenger compartment unit air-conditioning with electric drive Air-conditioning in the passenger compartment air-conditioning with electrical drive Ventilation system dual-function fans	O O
air	Air-conditioning in the driver's cabin air-conditioning powered by passenger compartment unit air-conditioning with electric drive Air-conditioning in the passenger compartment air-conditioning with electrical drive Ventilation system dual-function fans Passenger compartment heating system	0
air	Air-conditioning in the driver's cabin air-conditioning powered by passenger compartment unit air-conditioning with electric drive Air-conditioning in the passenger compartment air-conditioning with electrical drive Ventilation system dual-function fans Passenger compartment heating system electric 1-stage blowers	0
installation and air-conditioning	Air-conditioning in the driver's cabin air-conditioning powered by passenger compartment unit air-conditioning with electric drive Air-conditioning in the passenger compartment air-conditioning with electrical drive Ventilation system dual-function fans Passenger compartment heating system electric 1-stage blowers water heating, electric water heater TJ40.3 (40 kW),	0

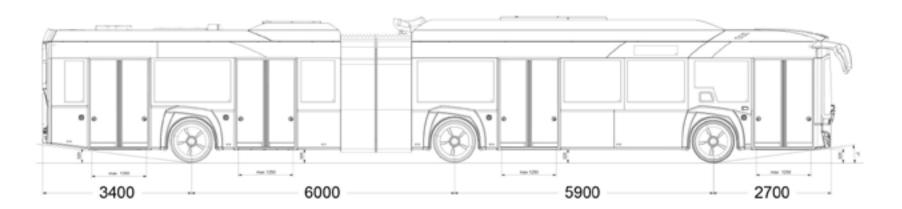
Drive system MEDCOM ANT 250-600 (IGBT) asynchronous 250 kW 6-pole motor MEDCOM ANT 250-600 (IGBT) asynchronous 240 kW 4-pole motor Škoda BlueDrive (IGBT) asynchronous 250 kW 6-pole motor Kiepe IMC 500 (IGBT) 2-axle drive: 2 asynchronous 160 kW 4-pole motors Traction batteries lithium-ion batteries (capacity depending on specification) Pantographs manual pantograph semiautomatic or automatic pantograph	0
MEDCOM ANT 250-600 (IGBT) asynchronous 250 kW 6-pole motor MEDCOM ANT 250-600 (IGBT) asynchronous 240 kW 4-pole motor Škoda BlueDrive (IGBT) asynchronous 250 kW 6-pole motor Kiepe IMC 500 (IGBT) 2-axle drive: 2 asynchronous 160 kW 4-pole motors Traction batteries lithium-ion batteries (capacity depending on specification) Pantographs manual pantograph semiautomatic or automatic pantograph	
MEDCOM ANT 250-600 (IGBT) asynchronous 240 kW 4-pole motor Škoda BlueDrive (IGBT) asynchronous 250 kW 6-pole motor Kiepe IMC 500 (IGBT) 2-axle drive: 2 asynchronous 160 kW 4-pole motors Traction batteries lithium-ion batteries (capacity depending on specification) Pantographs manual pantograph semiautomatic or automatic pantograph	
Škoda BlueDrive (IGBT) asynchronous 250 kW 6-pole motor Kiepe IMC 500 (IGBT) 2-axle drive: 2 asynchronous 160 kW 4-pole motors Traction batteries lithium-ion batteries (capacity depending on specification) Pantographs manual pantograph semiautomatic or automatic pantograph	
Kiepe IMC 500 (IGBT) 2-axle drive: 2 asynchronous 160 kW 4-pole motors Traction batteries lithium-ion batteries (capacity depending on specification) Pantographs manual pantograph semiautomatic or automatic pantograph	0
Traction batteries lithium-ion batteries (capacity depending on specification) Pantographs manual pantograph semiautomatic or automatic pantograph	0
lithium-ion batteries (capacity depending on specification) Pantographs manual pantograph semiautomatic or automatic pantograph	
Pantographs manual pantograph semiautomatic or automatic pantograph	0
manual pantograph semiautomatic or automatic pantograph	
semiautomatic or automatic pantograph	
	0
Event and a	O
Front axle	
ZF independent suspension	•
ZF rigid axle	0
Drive axle	
ZF portal axle	•
Central axle	
ZF neutral axle	•
Central lubrication	
central lubrication point - solid lubricating grease	•
central lubrication system with self-diagnostic - semi-fluid lubrication grease	0
Steering system	
RB Servocom	•
Braking system	
EBS (Electronic Braking System), ABS (Anti-Lock Braking System), ASR (Acceleration Slip Regulation)	•
Suspension levelling system	
ECAS air suspension with leveling and kneeling function	

	Trollino 18	standardoption
	Body structure	
	stainless steel	•
	Side panels	
	removable side panels	•
Bodywork	Door arrangement	1-2-2-0 2-2-2-0 1-2-2-2 2-2-2-2
Ω	Entrance height	
	entrance height for all doors	320 mm
	Wheelchair ramp	
	wheelchair ramp at the 2nd entrance, manually operated	•
	wheelchair ramp at the 2nd entrance, electrically operated	0
	Number of passenger seats (depending on door arrangement and batteries)	max. 45 + 8
	Air-conditioning in the driver's cabin air-conditioning powered by passenger compartment unit	0
ا ھ	air-conditioning with electric drive	0
, ventilation conditioning	Air-conditioning in the passenger compartment	
ntil	air-conditioning with electrical drive	0
g, ve -cor	Ventilation system	
Heating, ventilation and air-conditioning	dual-function fans	•
Hea and	Passenger compartment heating system	
	electric 1-stage blowers	0
	water heating, electric water heater TJ40.3 (40 kW),	•
	convector-type heaters, 2-stage blowers	
ical ation	Electric installation	
Electrical nstallation	electrical installation based on Can-Bus system	•

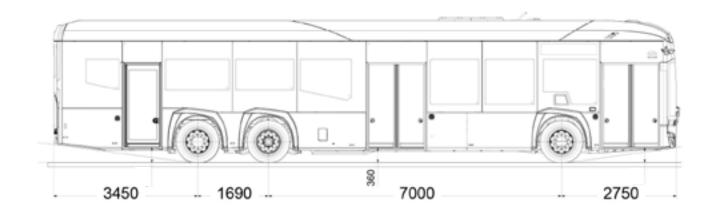
	Trollino 24	standardoption
	Drive system	
	Škoda BlueDrive (IGBT) asynchronous 160 kW 4-pole motor	0
ne	Traction batteries	
Driveline	lithium-ion batteries (capacity depending on specification)	0
Dri	Pantographs	
	manual pantograph	0
	semiautomatic or automatic pantograph	•
	Front axle	
	ZF independent suspension	•
	ZF rigid axle	0
	Drive axle	
	ZF portal axle	•
	Fourth axle	
	ZF tag axle	0
S	ZF tag axle with active steering	•
Chassis	Central lubrication	
Ch	central lubrication point - solid lubricating grease	•
	central lubrication system with self-diagnostic - semi-fluid	0
	lubrication grease	
	Steering system	
	RB Servocom	•
	Braking system	
	EBS (Electronic Braking System), ABS (Anti-Lock Braking System),	•
	ASR (Acceleration Slip Regulation)	
	Suspension levelling system	
	ECAS air suspension with leveling and kneeling function	•

	Trollino 24	standardoption
	Body structure	
	stainless steel	•
	Side panels	
	removable side panels	•
Bodywork	Door arrangement	1-2-2-2-0 2-2-2-2-0 1-2-2-2-2 2-2-2-2-2
	Entrance height	
	entrance height for all doors	320 mm
	Wheelchair ramp	
	wheelchair ramp at the 2nd entrance, manually operated	•
	wheelchair ramp at the 2nd entrance, electrically operated	0
	Number of passenger seats (depending on door arrangement and batteries)	max. 68
Heating, ventilation and air-conditioning	Air-conditioning in the driver's cabin air-conditioning powered by passenger compartment unit air-conditioning with electric drive Air-conditioning in the passenger compartment	0
ditio	air-conditioning with electrical drive	0
-con	Ventilation system	
and air	dual-function fans	•
anc	Passenger compartment heating system	
	electric 1-stage blowers	0
	water heating, electric water heater TJ40.3 (40 kW),	•
	convector-type heaters, 2-stage blowers	
tion	Electric installation	
Electrical installation	electrical installation based on Can-Bus system	•
	Steelineat metattation based on ean bas system	

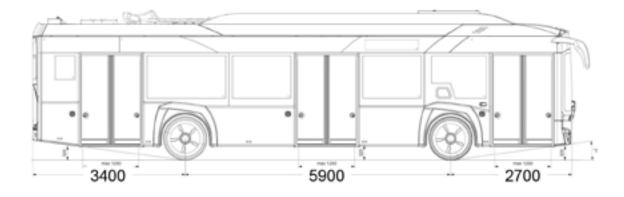
> Urbino 18 electric



> Urbino 15 LE electric

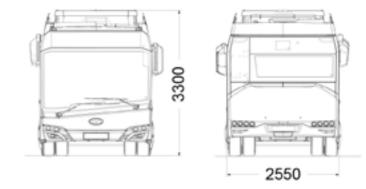


) Urbino 12 electric



> Urbino 9 LE electric









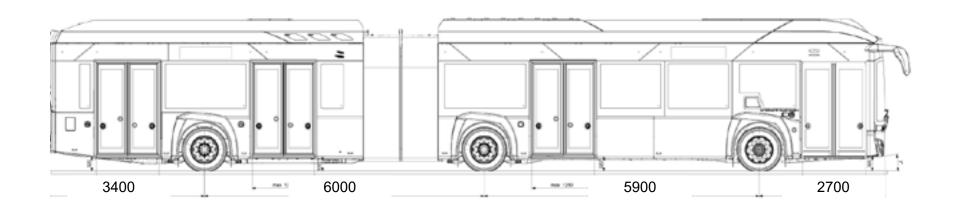




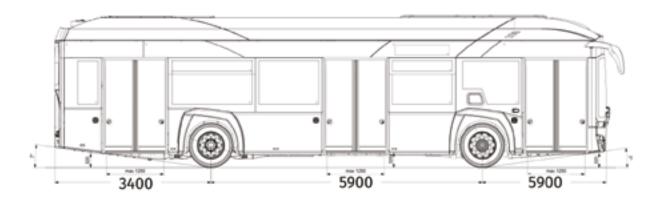


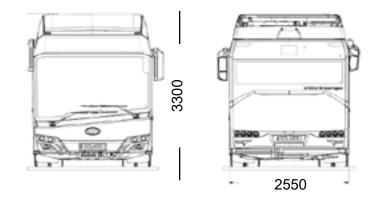
^{*} For wheels 265x70R19.5 - 3300 mm For wheels 285x70R19.5 - 3315 mm

> Urbino 18 hydrogen



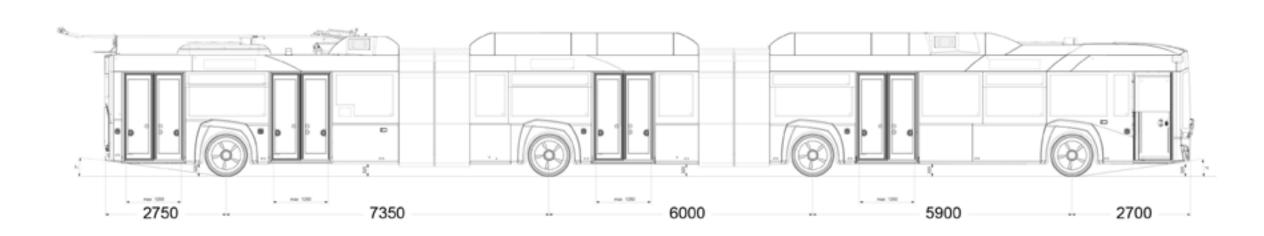
> Urbino 12 hydrogen

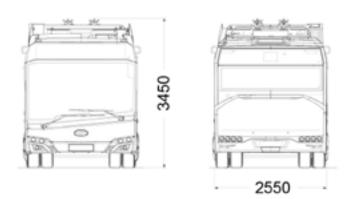




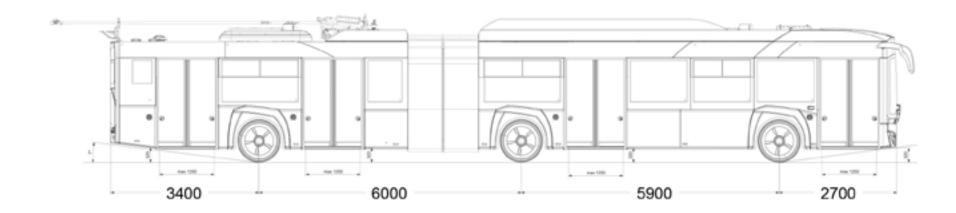


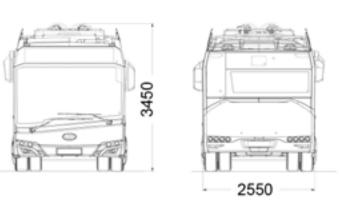
> Trollino 24



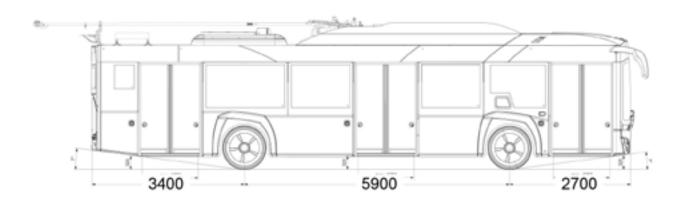


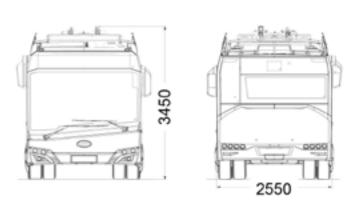
> Trollino 18





> Trollino 12





> Trollino 24 Metrostyle

