

NIXUS | ERA-L Light High Pressure Inflatable Tent



Light space efficient modular inflatable solution for wide range of applications



10 - 20 min



2 - 4 persons



100 - 120 km/h



20 - 40 kg/m²



Front and lateral modularity with most of NIXUS products. Connectable with ISO and Landrover via connection tunnels.

GENERAL DATA

tent model:	NIXUS ERA-L - Modular High pressure tent with angled beams, lighter version of ERA model.		
tent system:	High-pressure pneumatic system of tubes, fixed to the roof. The tent is inflated by air compressor, small size tent can be inflated by pressurized air from cylinder (air bottle)		
technical description of frame system:	High-pressure arc beams Ø115 mm, pressurized to 6-8 bar. Structure is reinforced by longitudinal horizontal tubes or aluminium purlins on the top of the roof		
use:	Reliable tent for fire brigades and EMT services, instead of low pressure tents. Well works in military services too, to create Camps, Mobile hospitals or Command posts with varying layout.		
model benefits:	NIXUS ERA is known by its inner efficiency thanks to the technology of angled beams, so also small models can be well used with bunk beds, not losing the lateral space. Model ERA-L has same benefits.		
general benefits:	High-pressure tents are an optimum solution to extreme weather conditions, resistant to temperature fluctuation. Seamless tubes do not need automatic pressure control pump. 115 mm air beams do not create an obstacle inside of the tent. In a case of structure deformation in extreme weather conditions it automatically reverse back to the original shape.		
structure inner pressure:	collapse pressure: 1,5 bar	working pressure: 6-8 bar	destruction pressure: 30 bar, safety valves set up to 8 bar

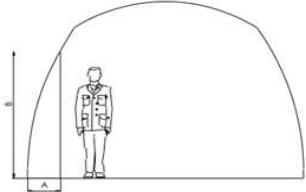
MODEL DATA AND DIMENSIONS

	SI	SH	ST
horizontal reinforce:	3x high-pressure beams (it is preparation for sunshade).	1x high-pressure beams on the top of roof + 2x aluminium struts inside under roof	3x aluminium struts inside

dimension:	Model	dimension (m)			(m ²)	capacity of beds (pcs)			
		width	length	height	Floor area	Single beds along	Single beds cross	Bunk beds along	Bunk beds cross
	ERA-L 35-24-2.3	3,5	2,4	2,5	8,4	2	0	2	0
	ERA-L 40-43-2.1	4,0	4,3	2,7	17,2	4	0	4	0
	ERA-L 40-64-2.1		6,4		25,6	6	0	6	0
	ERA-L 50-40-2.0	5,0	4,0	2,9	20,0	4	4	2	0
	ERA-L 50-60-2.0		6,0		30,0	6	6	4	0
	ERA-L 50-80-2.0		8,0		40,0	8	8	6	0
	ERA-L 50-50-2.5		5,0		25,0	4	8	4	0
	ERA-L 50-75-2.5		7,5		37,5	6	8	6	0
	ERA-L 55-40-2.0	5,5	4,0	3,1	22,0	4	4	2	4*
	ERA-L 55-60-2.0		6,0		33,0	6	6	4	6*
	ERA-L 55-80-2.0		8,0		44,0	8	10	6	8*
	ERA-L 55-50-2.5		5,0		27,5	4	6	4	4*
	ERA-L 55-75-2.5		7,5		41,3	6	8	6	6*
	ERA-L 55-100-2.5		10,0		55,0	10	12	8	10*

dimension:	ERA-L 60-40-2.0	6,0	4,0	3,3	24,0	4	4	2	4
	ERA-L 60-60-2.0		6,0		36,0	6	6	4	6
	ERA-L 60-80-2.0		8,0		48,0	8	10	6	8
	ERA-L 60-100-2.0		10,0		60,0	10	12	8	10
	ERA-L 60-50-2.5		5,0		30,0	4	8	4	4
	ERA-L 60-75-2.5		7,5		45,0	6	8	6	6
	ERA-L 60-100-2.5		10,0		60,0	10	12	8	8

notice (*) without inner liner

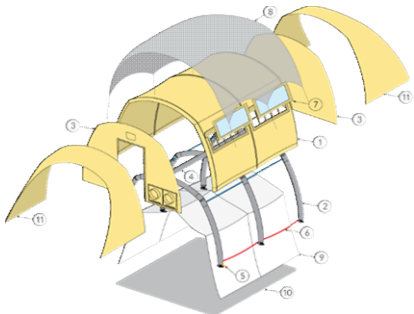
walk allowable height: (from beams)	type of tent	width (m)	A (m)	B (m) height	
	ERA-35	3,5	0,6	2,0	
	ERA-40	4,0	0,6		
	ERA-50	5,0	0,6		
	ERA-55	5,5	0,5		
	ERA-60	6,0	0,5		

modules: Shown at the end of the code, e.g. ERA-60-60-x.x (2.0 = 2,0 m / 2.5 = 2,5 m / 3.0 = 3,0 m / 3.3 = 3,3 m) span per module

description:

main parts of the tent

- ① canopy
- ② main beams
- ③ gable walls with doors, ducts with flaps and ventilation openings
- ④ spacers
- ⑤ single point air connection
- ⑥ pneumatic connection hose
- ⑦ windows
- ⑧ sunshade (camouflage, thermal, infrared)
- ⑨ liner (insulation, hygienic)
- ⑩ antislippery pvc floor
- ⑪ visors



MATERIAL SPECIFICATION

working temperature range: - 30°C to +70°C (- 46°C to +70°C) according to the type of fabric

weight: 60 - 250 kg - according to the size of tent + 40-75 kg for accessories (anchoring and inflation set,...)

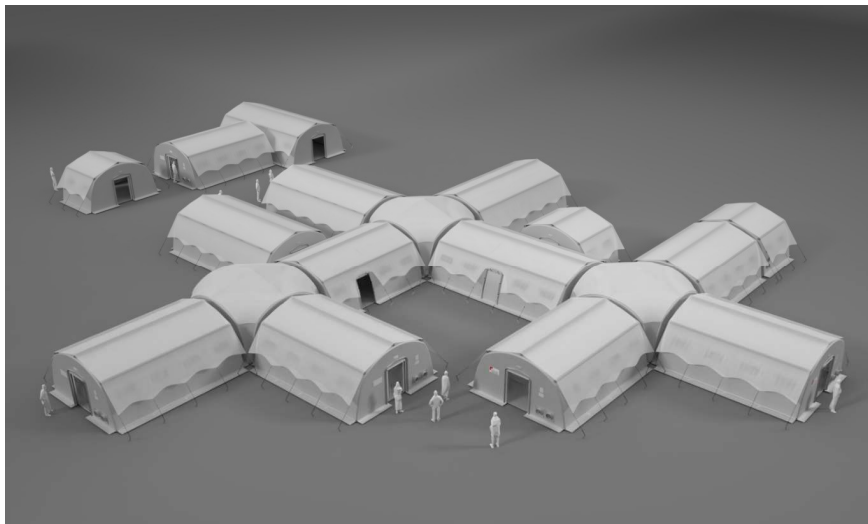
material of beams: 2200 g EPDM coated HT tubes, FR, grey colour
 Flame Resistance: vertical flammability accord. to STN EN ISO 15025:2003, STN EN 6941:2004; Tear resistance according to STN EN ISO 4674-1:2004; Mechanical properties Tightness tests







material of canopy:	3 options: 1/ 250 g/m2, FR, bicolor one side PU coated 500D PES, UV resistant, antimildew 2/ 450 g/m2, FR, bicolor PVC coated 1000D PES, UV resistant, antimildew 3/ 650 g/m2, FR, opaque bicolor PVC coated 1000D PES, UV resistant, antimildew. All zippers are HF welded, waterproof grade. Bicolor is always grey inside, outside color orange, red for fire fighters, olive green and desert for military use, white/ white for medical use.	matt olive green	matt sand	matt white
		grey	grey	white
	Flame Resistance: vertical flammability accord. to STN EN ISO 15025:2003, STN EN 6941:2004; FNFPA 701; Fed.Std. 191-5903			

floor: 480 g/m2, FR, antislippery PVC coated PES, grey colour (recommended to add optional insert floor with 480g/m2 antislippery PVC)
 Flame Resistance: horizontal flammability accord. to STN 80 4414:1997; FNFPA 701; Fed.Std. 191-5903

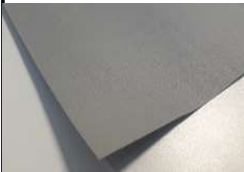

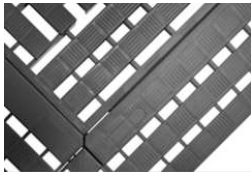
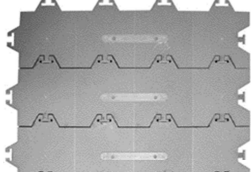



MODULARITY





Standard composition allows to connect every personal NIXUS tent to any other personal NIXUS tent of any size and model by front doors.
 In a standard composition it is also possible to remove gable walls and connect ERA-L tents of same width profile, so longer inner space is provided.
 There are many options to use personal cross doors, Landrover tunnels or ISO connection tunnels to create an endless tent complex.








TENT COMPONENTS	
gable walls:	removable, easy to service, different types for modularity with other tents, landrover, ISO,...
windows:	3-layer window (mosquito net and TPU film, outer flap, rain keder)
personal doors:	2-layer door (mosquito net, outer layer) with an interconnection stripe placed at each gable wall
anchoring:	standard anchoring by ropes and pegs - original ropes ready to use (polyester with plastic cleat) and "T"steel pegs. Ballast bags on remand
<p>Standard scope of the delivery: PVC floor, side windows at each tent segment, personal door, duct sleeves for HVAC and ventilation opening at each removable gable wall, anchoring ropes and stakes, repair kit level 1, inflation hose with manometer, PVC transport bag, log book</p>	
tent set includes:	     

VARIABILITY



properties:	dimensions, fabric type, colour, numbers and size of windows, cross door instead of window, ISO tunnels, Landrover tunnels .. for different use purpose			
accessories :	hygienic or insulation liner; sunshade, IR camouflage net, hard or soft floor, cable tunnels, berths,...			
basic options:	insert soft floor, antislippery PVC, FR, 480 g/m2 	insert insulation soft antislippery 2 mm; 850 g/m2 PVC, FR, 	underfloor grade tiles - 4,8 kg/m2 LDPE 	modular floor, 27 mm; 4,7 kg/m2 PPCP 
	hygienic berth, 1-layer Ripstop, 75-90 g/m2 	hygienic inner liner; 1-layer Ripstop, 75-90 g/m2 	insulation inner liner, 3-layer, 430 g/m2, polyester 	




basic options:	sunshade, bicolour (sand/green) PVC mesh 330 g/m2	IR camouflage net, 300 g/m2 Polyamide, PVC	connection tunnel, 650 g/m2, FR, PVC	Vestibule with a solid frame and a wing door for long deployment
				

equipment : air compressors, electric distribution boxes, cables and LED lights, HVAC

basic options:	air compressor, 350 - 1200 l/min	lighting, LED tubes (white or white/red option)	small electric distribution box	HVAC	inner ducting
					

PACKING

packing of tent:	all tents are packed to durable PVC bag, pegs separately in small PVC bags		
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packing for transport:	foldable Mega JUMBO box, HDPE	foldable wooden box Clip-Lok	wooden frame pallet (cage)
			

PICTURES

Examples of interior

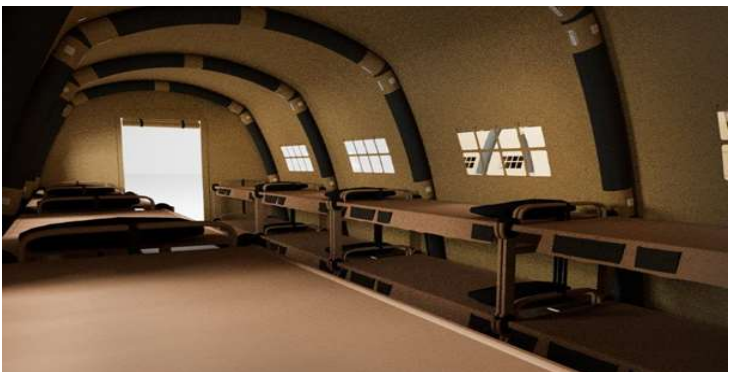





Illustration pictures



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Quality certificate ISO 9001:2015 and environmental certificate ISO 14001:2015, AQAP 2010:2017, NCAGE 1461M
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