



## Utility Matrix

### AVL ROADSIM 48" MIM LIGHT TRUCK HP 4WD

The technical data show the standard specification. Changes in specification e.g. net type, net voltage, net frequency are possible. Please request it if necessary.

Electric Power	1 phase/ N/ PE TN-S	Voltage	230VAC ±10%
		Frequency	50Hz ±4% (±6% if frequency change <<17%/s)
		Power	6kVA
		Maximum Radio Interference	according to EN61800-3 and EN61000-2-4
		Maximum supply line cross section	3x 4mm²
		Feed	from bottom
		3 phases/ N/ PE TN-S	Voltage
	Frequency		50Hz ±4% (±6% if frequency change <<17%/s)
	Power		870kVA
	Maximum Radio Interference		according to EN61800-3 and EN61000-2-4
	Maximum supply line cross section per phase		4x 240mm² M12 / phase connectable
	Feed		from bottom
	Foundation ground line		according to DIN VDE 0100 540
Maximum Heat Loss	Motor	5 - 6 %	
	Electrical cabinets	30kW	
Maximum Noise Level	Electrical cabinets	79 dB(A)	
Ambient Air	Operator room	Temperature range	+15°C ... +40°C
		Relative Humidity	<75% not condensing
	Test cell and technical floor	Temperature range	+5°C ... +40°C
		Relative Humidity	<95% not condensing
	Storage conditions	Temperature Range	-20°C...+60°C
		Relative Humidity	<70% not condensing
Cooling Water	Pressure (min - max)	not applicable	
	Temperature @ inlet	not applicable	
	Particle size	not applicable	
	Flow rate	not applicable	
	Corrosion inhibitor	not applicable	
	Connection	not applicable	
	Connection point	not applicable	



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<b>Compressed Air</b>	Pressure ( <i>min - max</i> )	6bar ... 8bar
	Particle size	< 5µm
	Particle concentration	<5 mg/m³
	Dew point	-20°C
	Oil content	<1mg/m³
	Flow rate	<0.5 m³/h
	Connection	not applicable
	Connection point	close to foundation block
<b>Total Dimensions (approximately)</b>	Power Cabinets ( <i>W x H x D</i> )	2,600mm x 2,400mm x 600mm
	Control cabinets ( <i>W x H x D</i> )	1,800mm x 2,200mm x 600mm
	Operator area ( <i>W x D</i> )	3,000mm x 2,000mm
	Testbed excluding UUT ( <i>W x H x D</i> )	5,300mm x 8,200mm x 1,700mm
	Maximum transport unit size	8,000mm x 2,100mm x 2,400mm
<b>Weight (approximately)</b>	Power Cabinets	1600kg
	Control cabinets	450kg
	Testbed excluding UUT	18,000kg
	Maximum transport unit weight	9,500kg
<b>Foundation</b>	Acting horizontal forces from test bed to test cell floor (approximately)	nom. 58kN max. 90kN
<b>Cable Ducts Size</b>	Power cabling	2x 200mm x 100mm
	Signal cabling	100mm x 100mm
<b>Communication Interfaces</b>	Emergency circuit	2- channel E- stop loop to be triggered externally via NC contacts, E- stop message generated via NO contacts
	Host	standard AK, various additional interfaces available
	Signals	Speed
		Force
		Power
		±10V ±10V ±10V