

E86M Stage

Eclipse Sound and Light Ltd

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Ipswich, IP3 9QR

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Basic Specifications

The Eclipse E86M is designed and manufactured by Alspaw. Alspaw code M48.

The E86M is a roof system for temporary covering of entertainment or public events, concerts, trade stands and similar events.

Application

The E86M is designed for outdoor use for entertainment stages, dancing stages, trade grounds, etc. and for temporary lifting of light and sound equipment necessary used for the show.

All items used in the E86M Stage are certified by Alspaw.

The E86M stage must only be assembled by trained personal, please read all instructions before beginning assembly.

Technical Data, Loading Charts, Working Conditions

Technical data	
Type of roof	profiled
Dimensions as a stage	8,0 m x 6,0 m x 5,0 m
Dimensions as a trailer	9,4 m x 2,46 m x 3,6 m
Way of lifting the roof	electric-hydraulic
Way of leveling the stage floor	electric-hydraulic
Permitted total weight	2500 kg
Stage area	48 m ²
Height of stage floor	1,0 - 1,3 m
Stage floor	slip proof, weather proof
Roof capacity	300 kg - uniformly on each arch - total 1200 kg
Floor capacity	3,5 kN/m ² (ok.350 kg/m ²)
Quadrosystem pillars load capacity	50 kg
Flying Towers load capacity	500 kg (in the middle point)
Max. wind speed	windzone 1 - 3 excepting the 5 km wide coastal areas and the islands of the North Sea and the Baltic Sea: max 17.8 m/s with the back and sides cover and max 30 m/s without covers
Max. tickness of snow on the roof	mobile stages should be used only in periods in which there is no snow, unless the snow is effectively removed, eg. by installing the appropriate heating devices
Canopy	PCV certified material (flame resistant)
Scrim	A203 (white or black)
Installation time	45 min (2 people)

Stage Certification



LATVIJAS REPUBLIKAS SATĪKSMES MINISTRIJA
CEĻU SATĪKSMES DROŠĪBAS DIREKCIJA

EK tipa apstiprinājuma sertifikāts EC VEHICLE TYPE-APPROVAL CERTIFICATE



Paziņojums par:

Communication concerning:

- EK tipa apstiprinājumu ⁽¹⁾
EC type-approval ⁽¹⁾
- EK tipa apstiprinājuma attiecināšanu uz citu tipu ⁽²⁾
extension of EC type-approval ⁽²⁾
- EK tipa apstiprinājuma atteikumu ⁽³⁾
refusal of EC type-approval ⁽³⁾
- EK tipa apstiprinājuma anulēšanu ⁽⁴⁾
withdrawal of EC type-approval ⁽⁴⁾

Attiecībā uz:

Of a type of:

- pabeigtu transportlīdzekli ⁽¹⁾
complete vehicle ⁽¹⁾
- pabeigtu transportlīdzekli ⁽²⁾
completed vehicle ⁽²⁾
- nepabeigtu transportlīdzekli ⁽³⁾
incomplete vehicle ⁽³⁾
- transportlīdzekli ar pabeigtiem un nepabeigtiem variantiem ⁽⁴⁾
vehicle with complete and incomplete variants ⁽⁴⁾
- transportlīdzekli ar pabeigtiem un nepabeigtiem variantiem ⁽⁴⁾
vehicle with completed and incomplete variants ⁽⁴⁾

ņemot vērā Direktīvu 2007/46/EK, kurā jaunākie grozījumi izdarīti ar Direktīvu 2007/46/EK/Regulu (ES) Nr. 371/2010
with regard to Directive 2007/46/EC, as last amended by Directive 2007/46/EC/Regulation (EU) No.371/2010

EK tipa apstiprinājuma numurs:

e32*2007/46*0003*00

EC type-approval number:

Pagarinājuma iemesls:

Nav attiecināms

Reason for extension:

Not applicable

I IEDAĻA

SECTION I

- 0.1. Marka (izgatavotāja tirdzniecības nosaukums): **ALSPAW**
Make (trade name of manufacturer):
- 0.2. Tips: **EMA**
Type:
- 0.2.1. Komerccnosaukums(-i) ⁽²⁾: **ESTRADA MOBILNA**
Commercial name(s) ⁽²⁾:
- 0.3. Tipa identifikācijas veids, ja uz transportlīdzekļa ir: **4th – 6th VIN characters**
Means of identification of type, if marked on the vehicle:
- 0.3.1. Minētā marķējuma atrašanās vieta: **Labajā pusē priekšā uz rāmja**
Location of that marking: **Right side of the frame, in front**
- 0.4. Transportlīdzekļa kategorija ⁽³⁾: **O2**
Category of vehicle ⁽³⁾:
- 0.5. Pabeigta transportlīdzekļa izgatavotāja nosaukums un adrese ⁽¹⁾: **ALSPAW Sp. z o.o., ul. Batorego 29, 63-400 Ostrów Wielkopolski, Poland**
Name and address of manufacturer of the complete vehicle ⁽¹⁾:
Bāzes transportlīdzekļa izgatavotāja nosaukums un adrese ⁽¹⁾ ⁽⁴⁾:
Name and address of manufacturer of the base vehicle ⁽¹⁾ ⁽⁴⁾:
Nepabeigta transportlīdzekļa pēdējā izgatavošanas posma izgatavotāja nosaukums un adrese ⁽¹⁾ ⁽⁴⁾:
Name and address of manufacturer of the latest built stage of the incomplete vehicle ⁽¹⁾ ⁽⁴⁾:
Pabeigta transportlīdzekļa izgatavotāja nosaukums un adrese ⁽¹⁾ ⁽⁴⁾:
Name and address of manufacturer of the completed vehicle ⁽¹⁾ ⁽⁴⁾:

Components List

Main Stage section

4x 4m Tower Trussing
4x Stage Manual Stabyliser
6x 4T Acro Jack
6x Steel Wire
2x Truss Hook poles
2x roof push & Hook poles
8x Stage Handrail Sections
11x Hand Rail Posts
4x Stage Stairs Handrail
2x Stage Stairs
2x Stage Set up stools
1x PVC Roof Cover
2x PVC Side Walls
1x PVC Rear Wall
26x Wood Foot Plate

Optional P.A. Towers

2x Steel Base with spindles
2x Corner 500x500mm
2x 1m Tower Truss
4x 2m Tower Truss
2x 0.9m Tower Truss
8x 4T Acro Jack

Important points before installation

Before installation, please make sure you understand this manual completely.

- Specify one person, to coordinate assembling and breakdown process on site, oversee the raising and lowering of the roof and staging platforms.
- Make sure all components are present before assembly commences
- Check there are no obstructions within or around the area of installation, Inc:
 - Overhead wires
 - Lighting
 - Trees
 - Etc
- Ensure there is enough space around the stage for safe operation.
- All persons working at a height over 2m to be trained and wear appropriate PPE.
- Ensure that there is enough time to complete the build on time, do not leave the structure unfinished without permanent control.
- The stage should be marked out in place. The crew to check with the event organizer whether the markings are in the correct location.
- The area will be sectioned off if appropriate to restrict unauthorized access

Assembly instructions



STEP 1

Park the stage on the event place to avoid later relocation.



STEP 2

Disconnect Power supply and fasten the plug In a plug holder.





STEP 3

Disconnect the secure cable.



STEP 4

Disconnect trailers hook.



STEP 5

Lift the trailer using the handle.
Now You can move a vehicle
away.



STEP 6

Take out side walls, tarpaulin and all accessories from trailer chests.



STEP 7

Attach all stabilizers to trailer frame using bolts and wing nuts.



STEP 8

Put wooden pads under the stabilizer feet.



STEP 9

Level the stage using previously attached stabilizers.



STEP 10

Remove all straps holding the canopy.



STEP 11

Slide the roof on 1 m to the left and right before the floor is going down.



STEP 12

Unlock roof safety levers.





STEP 13

Lower both floor wings. Gas springs will prevent floor wings from falling down.



STEP 14

Put wooden pads under the floor feet.

Adjust the telescopic legs and lock them by tightening leg knob.



STEP 15

Use the straps and attach canopy to the outside arch on the roof.



STEP 15

Pull up the roof sides of mobile stage as on the drawing.



STEP 16

Assembly binding rafter between quadrosystem trusses on the roof.





STEP 17

Attach side and back nets to the hooks on the roof frame. Connect them together as shown.





STEP 18

Attach sheets to hook on the floor frame.



STEP 19

Assembly Quadrosystem pillars.





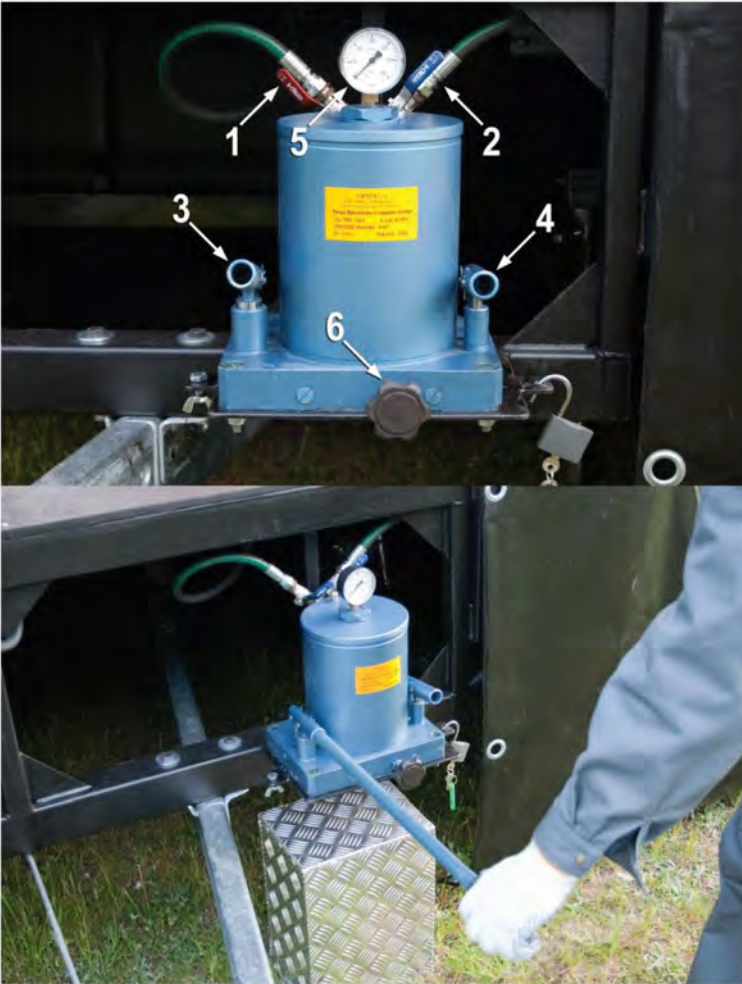
STEP 20

Remove all 4 safety dowels from roof towers.



STEP 21

Remove pump casing.



STEP 22

1. Close main valve (6),
2. Open both valves (1) and (2),
3. Start pumping using left pump (3) to build-up pressure (5),
4. Put a lever onto the right pump (4) and start lifting the roof,
5. Control the lifting closing the left valve (1) – trailer front or right valve (2) – trailer rear accordingly.



STEP 23

Put all 4 safety dowels into roof towers.



STEP 24

Put bolts in the holes in Quadrosystem roof stabilizers base plates.



STEP 25

Put the stairs to the sides of the stage.



STEP 26

Stage is ready.



Fire safety Management

The following outline is the Fire and Evacuation plan for the E86M.

If possible, small fires will be contained using fire extinguishers. However, evacuation should be the priority.

The following areas have been looked at:

- The relevant amount of extinguishers by type will be placed throughout the structure.
- All fire point locations and fire exit points will be identified and marked onto the detailed plans.
- Stage crew will be trained in the use of firefighting equipment.
- All stage crew will be briefed on procedures in the event of an evacuation of the site.
- Stage crew will act as guides for anyone on stage to remove them from the structure.
- A No Smoking Policy has been implemented within the structure.

Risk Assessment		Assessment date 11th March 2019		
The Eclipse E86M Stage system				
Assessed by: Andrew Collins		1st Assessment Review		Initial:
Position(s): Eclipse Sound and Light		Date:		
Date: 11 th March 2019		2nd Assessment Review		Initial:
		Date:		
This Document will be distributed to each party by Eclipse Sound and Light Ltd				
Policies and Procedures already in place:				
Remember: The legal requirement is to remove or if not reduce the risk to as low as reasonably practicable				
Hazards	Consequences	Who might be harmed	What are you already doing to control the risk	Who is Responsible
Alcohol, drugs – contractors working at height, drivers, stewards, and marshals under the influence	Incapacitation leading to: <ul style="list-style-type: none"> Falls from height Impact injuries Falling objects 	Eclipse sound and light Staff and Contractors	<ul style="list-style-type: none"> Management and Event Safety Manager to monitor for signs of drug use or incapacitation from alcohol Eclipse sound and light Staff policy of not drinking whilst on duty during build up and breakdown 	Monitor onsite

Animals (Dogs) on site	Bite injuries Uncontrolled dogs may enter Event site causing vehicle collisions	Eclipse sound and light Staff Contractors	<ul style="list-style-type: none"> As the structure could be erected in public areas it is possible that dogs may inadvertently stray into the build site during build/breakdown event safety manager, contractors, and Eclipse sound and light staff to remain vigilant. 	Security, Safety Event Manager, contractors, Eclipse sound and light staff to monitor
Dehydration & Exhaustion	Illness, vomiting	Eclipse sound and light Staff and Contractors	<ul style="list-style-type: none"> Drinks available to all Eclipse sound and light staff and contractors. If any feel unwell then they must attend first aid and the Safety Event Manager to be informed. Sufficient rest and food/drink breaks are scheduled during the day. 	Active monitoring by Team Leader.
Lifting (Mechanical)	Collapse of vehicle mounted cranes during barrier unloading Dropped load causing damage and injury Unauthorised use of lifting equipment	Eclipse sound and light Staff Contractors	<ul style="list-style-type: none"> Competent and approved lifting operator appointed to ensure compliance with LOLER The use of vehicle mounted 'HIAB' type cranes and self-drive lifting equipment and de-mountable forklift trucks can only be operated by trained operators. Cranes and all lifting equipment/accessories must be secured when not in use to prevent unauthorised use and damage Areas of heavy lifting to be taped off by staff 	Active monitoring onsite by Safety Event Manager and team leader

<p>Manual Handling</p> <p>- carrying, lifting, pulling, pushing heavy loads</p>	<p>Injury from dropped loads</p> <p>Muscular/skeletal problems</p>	<p>Eclipse sound and light Staff</p> <p>Contractors</p>	<ul style="list-style-type: none"> • Vehicle marshalling to ensure vehicles unload as close to drop area as possible • Eclipse sound and light Staff have been briefed in manual handling operations • Event Safety Manager to monitor for unsafe practices <p>Safety footwear advised</p>	<p>Active monitoring onsite by Safety Event Manager</p>
<p>Medical emergency</p>	<p>Injuries from accidents</p> <p>Illness e.g. heart condition, shock, fainting, intoxication, heat</p> <p>stress/dehydration</p>	<p>Eclipse sound and light Staff</p> <p>Contractors</p> <p>General Public</p>	<ul style="list-style-type: none"> • First aid kit is available on site • All injuries/incidents MUST be reported to team leader. 	<p>Safety Event Manager and team leader</p>
<p>Objects falling from height</p> <p>e.g. lights from lighting rig and other loose objects</p>	<p>Head injuries/impact injuries</p>	<p>Stage Build crew</p> <p>Contractors</p>	<ul style="list-style-type: none"> • Stage Build team are to ensure that a safety zone is created and controlled to keep pedestrians away from the build • Competent riggers to ensure all fixtures in accordance with LOLER • Tools at height are to be kept on lanyards • Hard Hats to be worn by stage build crew and all other staff entering the stage construction area. 	<p>Monitor onsite by Safety Event Manager</p>

<p>Slips trips and falls</p> <p>(cables, equipment, potholes, trees or shrubbery etc.)</p>	<p>Breaks, bruising</p>	<p>Eclipse sound and light Staff</p> <p>Contractors</p> <p>General Public</p>	<ul style="list-style-type: none"> • General husbandry of site area ensure all equipment is placed away and does not create a trip hazard • Maximum use of pre-positioned rubbish bins to prevent buildup of rubbish • Event Safety Manager to inspect the site before build to identify area of concern • Eclipse sound and light Staff to wear non-slip safety shoes. • Contractors advised to wear non-slip safety shoes. If required, additional temporary lighting to be installed during build phase to ensure safe working environment. 	<p>Monitor onsite by Safety Event Manager, Eclipse sound and light staff and team leader.</p>
<p>Trailing cables</p>	<p>Slips trips and falls on level surface</p> <p>Cuts to cable exposing live ends</p> <p>could result in electric shock and fires</p>	<p>Eclipse sound and light</p> <p>Contractors</p> <p>General Public</p>	<ul style="list-style-type: none"> • Cables are not permitted to trail across paths. Use cordless tools if available. • Electric cables expose to moving vehicles and plant to be armored. • All AV cables to be covered by "cable ramps" in pedestrian access areas AV contractor and Event Safety Manager to monitor 	<p>Monitor onsite by Safety Event Manager</p>
<p>Trespass and unauthorized access</p>	<p>Injury from lack of awareness of risks</p>	<p>Eclipse sound and light</p> <p>Contractors</p> <p>General Public</p>	<p>Security and Eclipse sound and light staff to monitor</p>	<p>Security and Eclipse sound and light staff to monitor</p>

Waste build up	Fire risk Slips trips falls on level surface Health hazard	Eclipse sound and light Staff Contractors	<ul style="list-style-type: none"> Eclipse sound and light staff to monitor area and clear buildup of waste 	Monitor onsite by Eclipse sound and light staff
Working at heights	Death/very serious injury from falls from heights Death/very serious injury from objects falling from height	Stage crew	<ul style="list-style-type: none"> Correct PPE is to be worn at all times whilst on site including hard hats. Helmets and Arrest Harness with correct attachments to be used. Ladders also available. Only to be used for short duration work. Any object being carried above head height is to have an arrest sling and be securely hoisted into position. Equipment checked annually for defects and by user before each use. Staff to be trained in safe use of arrest harnesses and working at heights, as well as the use of ladders. 	Monitor onsite by Event Safety Manager
Young Persons	Lower perception of risk	Eclipse sound and light Staff	<ul style="list-style-type: none"> Eclipse sound and light Staff and official contractors advised to monitor young staff as they have a lower perception of risk. Adequate training to be given 	Monitor onsite by Event Safety Manager, Eclipse sound and light staff and team leader.