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**AIRSCREEN® Classic
 PRODUCT DATA SHEET**

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AIRSCREENS® are inflatable structures that incorporate Harkness Screens front projection and rear projection screen surfaces.

Application

AIRSCREENS® are suitable for:

- outside cinema shows/film festivals/drive-ins with audiences up to 5000 or more.
- events requiring large projected images in low ambient light.
- AIRSCREENS® are available in a range of standard sizes and are suitable for outside use in wind conditions up to Beaufort 5 (19-24mph / 30-38kph).

Construction

- The AIRSCREEN® frame is constructed from heavy duty PVC, high frequency welded.
- Guy rope anchorage points are double-layered and reinforced.
- AIRSCREENS® are certificated to European fire retardancy standards.

Detailed Technical Data

Airscreen Classic

Screen width (ft/m)	39'4"/12	52'6"/16	65'7"/20	78'9"/24	98'5"/30
Screen height (ft/m)	19'8"/6	26'3"/8	32'9"/10	39'4"/12	41'/12.5
Bottom picture height (ft/m)	7'3"/2.2	7'3"/2.2	7'3"/2.2	7'3"/2.2	7'10"/2.4
Overall frame width (ft/m)	44'3"/13.5	59/18	73'5"/22.4	86'7"/26.4	109'3"/33.3
Overall frame height (ft/m)	29'3"/8.93	36'8"/11.17	44'/13.41	50'6"/15.41	54'4"/16.57
Number of middle columns	1	1	1	2	2
Packed weight complete kgs	350	550	120	1100	1800
Number of ropes	10x25m	10x30m	10x33m	12x33m	12x33m
Rope diameter	20mm	20mm	20mm	20mm	20mm
Number of screen ties	200	260	330	400	600
Standard packing method	pallet	2 pallets	2 pallets	2 pallets	large pallet
Inflation method	continuous	continuous	continuous	continuous	continuous
Projection 35mm - kw lamp	3	4	7	7	10
Projection video-lumens	10000	16000	20000	20000	2 x 20000
Rear projection use	to order	to order	N	N	N
Ballast requirements kgs	4x1500	4x2000	4x3000	4x5000	4x6000
Max. wind speed (Beaufort)	5	5	5	5	5
Audience size	1500	2500	4000	5000	7000
People to set up	4	4	6	6	6

Inflation

- AIRSCREEN® Classics are inflated using a blower, which runs continuously. For deflation, the blower is disconnected and zippers are opened to let the air out. Inflation and deflation takes approximately 10 to 15 minutes, depending on size. Emergency deflation can be done even quicker.
- Blowers in 110v or 220v are available. For the 24 x 12m and larger sizes, a 380v 3-phase blower is optional.
- Noise levels are low. Cases are available for blowers to eliminate noise. This is recommended with the 380v 3-phase blower used with the larger screens.

Screen Surfaces

- Harkness matt white or foldable rear projection surfaces can be fitted to AIRSCREEN®. A black reverse side is available.
- The maximum size for rear projection is 16 x 8m (special order only). Rear projection images are smaller by approximately 0.5m.
- The screen surfaces are finished with web and grommet borders and are attached to the frame with elasticated screen ties (bungees).

Securing AIRSCREENS®

- AIRSCREENS® are secured with guy ropes attached to fixing points on the top and bottom of the frame. The guy ropes are then attached to ballasts or other anchorages.
- For hard surfaces, water ballasts are recommended, typically 1 cubic metre/1000kg each.
- On soft ground, ground anchors or stakes can be used.

Set-up, inflation and deflation procedures

These are fully described in the operating guidelines (available separately).

Projection and sound systems

- Either 35mm film or video projection systems can be used.
- Normal cinema sound systems can be used. It is usual to put the speakers in front of the screen.
- Alternatively, an FM radio loop can be used.

Repairs/Service

In the event of minor damage, continuously inflated screens will remain inflated. Repair is easily made using the service kit. This service kit also includes a wind speed meter.

Storage and Transport

AIRSCREENS® are very compact when packed away and can be transported very easily in a vehicle. When repacking, the AIRSCREEN® should be dry and should be stored in dry conditions. If the AIRSCREEN® is being stored for any length of time, the screen should be removed before storage.

In the interest of product enhancement, Harkness Screens reserves the right to introduce modifications or alterations without notice.