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**AIRSCREEN® Plus
PRODUCT DATA SHEET**

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AIRSCREEN® Plus is an inflatable structure that incorporates Harkness Screens front projection and rear projection screen surfaces.

Application

AIRSCREEN® Plus is suitable for:

- Outside cinema shows
- Exhibitions
- Events requiring large projected images (front or rear projection)

AIRSCREEN® Plus is suitable for use inside or outside in wind conditions up to Beaufort 5 (19-24mph / 30-38kph).

Construction

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

Detailed Technical Data

Airscreen Plus 16:9

Airscreen Plus 4:3

Screen width (ft/m)	12'3.66	16'4.88	20'6.1	24'7.32	30'9.15	12'3.66	16'4.88	20'6.1	24'7.32	30'9.15
Screen height (ft/m)	6'9"2.06	9'2.75	11'3"3.43	13'6"4.12	16'10"5.14	9'2.75	12'3.66	15'4.58	18'5.49	22'6"6.86
Bottom picture height (ft/m)	5'9"1.75	5'9"1.75	5'9"1.75	5'9"1.75	6'6"2	5'9"1.75	5'9"1.75	5'9"1.75	5'9"1.75	6'6"2
Overall frame width (ft/m)	14'1"4.3	18'5.48	23'3"7.1	27'3"8.32	34'7"10.55	14'1"4.3	18'5.48	23'3"7.1	27'3"8.32	34'7"10.55
Overall frame height (ft/m)	12'9"3.9	15'4.56	17'10"5.45	20'1"6.13	25'8"7.84	15'1"4.6	18'5.48	21'7"6.59	24'7"7.51	31'4"9.56
Number of middle columns	0	0	0	0	0	0	0	0	0	0
Packed weight complete kgs	65	75	90	160	210	80	90	120	170	230
Number of ropes	8x10m	8x10m	8x10m	8x12m	8x15m	8x10m	8x10m	8x12m	8x15m	8x20m
Rope diameter	8mm	8mm	8mm	8mm	12mm	8mm	8mm	8mm	8mm	10mm
Number of screen ties	70	95	115	135	150	75	105	130	150	180
Standard packing method	pallet/box	pallet/box	pallet/box	pallet/box	pallet/box	pallet/box	pallet/box	pallet/box	pallet/box	pallet/box
Inflation method	permanent	permanent	permanent	permanent	continuous	permanent	permanent	permanent	permanent	continuous
Projection 35mm – kw lamp	1	1	1	2	3	1	1	2	2	3
Projection video-lumens	1000	1500	2500	3000	4000	1000	1500	2500	3000	4000
Rear projection use	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
Ballast requirements kgs	4x250	4x300	4x400	4x500	4x1000	4x250	4x300	4x400	4x500	4x1000
Max. wind speed (Beaufort)	5	5	5	5	5	5	5	5	5	5
Audience size	120	200	300	400	750	120	200	300	400	750
People to set up	1	2	4	4	4	1	2	4	4	4

Inflation

• For AIRSCREEN® Plus sizes up to 24', a Makita blower is supplied as standard. A small high-pressure (HP) blower is an optional extra. When the screen has been inflated by the Makita blower, the HP blower can be connected and will run intermittently to maintain pressure by means of an integral pressure regulator. This is useful if the frame is accidentally punctured.

- For 30' size, CBI 450 high-pressure blower is used (option on 24').
- Blowers in 110v or 220v are available.
- Deflation is by releasing side zippers. Makita blower can be reversed.

Screen Surfaces

- Harkness matt white or foldable rear projection surfaces can be fitted to AIRSCREEN® Plus. A black reverse side is available.
- The screen surfaces are finished with web and grommet borders and are attached to the frame with elasticated screen ties (bungees).

Securing AIRSCREENS®

- AIRSCREEN® Plus is secured with guy ropes attached to fixing points on the frame. The guy ropes are then attached to ballasts or other anchorages.
- For hard surfaces, water ballasts are recommended.
- On soft ground, ground anchors or stakes can be used.

Set-up, inflation and deflation procedures

These are fully described in the operating guidelines.

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

AIRSCREEN® Plus is very compact when packed away and can be transported very easily in a vehicle. When repacking, the AIRSCREEN® Plus should be dry and should be stored in dry conditions. If the AIRSCREEN® Plus 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.