PRODUCT SPECIFICATION



Manufacturer: Big Foot Systems

Product Name: Lock 'n' Load



Mini Split condenser support; light duty frame

Product Description

The Big Foot Systems Lock 'n' Load offers a lightweight, pre-fabricated support solution for mini splits and small AC units. The frame is designed to support most major manufacturer's mini split condensing units.

This lightweight frame is designed with unique glass reinforced plastic connectors. Developed for a maximum design load of 150kg (331lbs) complete with moveable drop on cross bars.

Features/ benefits

- Non penetrative load management.
- Cost effective, pre-fabricated support system.
- Versatile modular frameworks.
- Condenser clamps and fixings included.
- Quick to install, robust and secure.

Product Reference

For individual support; there are three height options and a double stacked variation to suit two units – see 'tower' below.

- Lock 'n' Load Low: B5623
- Lock 'n' Load Medium: B5625
- Lock 'n' Load High: B5627
- Lock 'n' Load Wide Low: B5650
- Lock 'n' Load Wide Medium: B5651
- Lock 'n' Load Wide High: B5652
- Lock 'n' Load Tower: B5629

Extenders kit options are available at each frame height.

- Lock 'n' Load Low Extender: B5624
- Lock 'n' Load Medium Extender: B5626
- Lock 'n' Load High Extender: B5628

Standards Constructed to:

- BS8000-4: Workmanship on building sites. Code of practice for waterproofing.
- BS6229: Code of practice for flat roofs with continuously supported coverings.
- Cost effective, pre-fabricated support system.
- Building Regulations (E & W) Part L: Conservation of Fuel and Power.
- BS EN 1850-1: Determination of visible defects.
- BS EN 1107-1: Flexible sheets for waterproofing. Determination of dimensional stability.

Material Specification:

- Hot dip galvanized carbon steel: BS EN 10219-1. Welding standard: BS EN ISO 15614-1.
- Galvanizing: BS EN ISO 1461.
- Salt mist testing: BS EN 60068-2-52.
- Test Kb severity 1.
- Nylon 6 B601L 30% glass fibre filled

Design Load:

Design load of 150kg (331lbs) based on maximum allowable deflection on cross members.

Foot Pressure & UDL (Roof Load):

Allowable foot pressure and roof load will be subject to roof build-up, typically detailed by a structural engineer. Big Foot Systems work to a maximum foot pressure and UDL of 20kN/m2 and 7.5kN/m2 respectively.

Linear adjustment:

Cross bar spacing is adjustable to accommodate various unit sizes.

Wind Loading:

Wind protected environments only.

Working conditions:

Suitable for internal or external applications in temperatures between -40°C to +80°C.

Where to buy:

Available to buy off the shelf from any partner wholesalers across the country. The link below provides the location of every wholesalers in the UK.

http://www.bigfootsupport.com/distributors

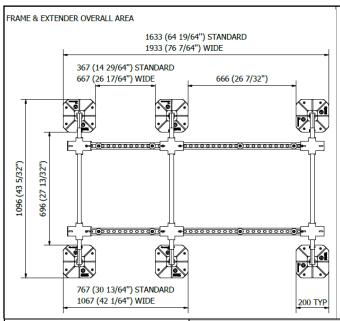
Options

Foot Fleece: B9156—305mm (12 1/64inches)

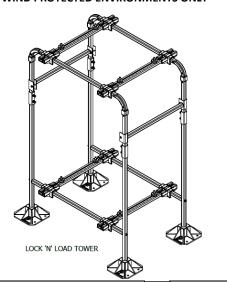
Recommended for use on PVC and asphalt roof surfaces to prevent

migration of plasticizers.





GROUND MOUNTED INSTALLATION WIND PROTECTED ENVIRONMENTS ONLY

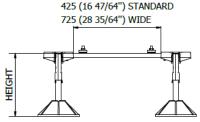


FOR USE ON FIRM, FLAT SURFACES ONLY

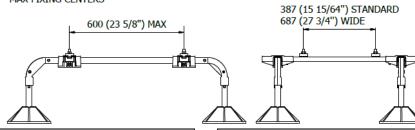
USEABLE FRAME AREA

425 (16 47/6

SEE TABLE BELOW FOR FRAME HEIGHT



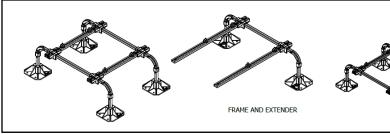




		STANDARD			
PART NUMBER		B5623	B5625	B5627	B5629
DESCRIPTION		LOW	MEDIUM	HIGH	TOWER
FRAME HEIGHT	mm	305	450	600	305/1426
	Inches	12 1/64	17 23/32	23 5/8	12 1/64/56 9/64
FRAME WEIGHT	kg	9.9	13.5	14.4	26.2
	lbs	22	30	32	58
DESIGN LOAD	kg	150	150	150	150
	lbs	331	331	331	331
FOOT PRES- SURE	kN/m2	9.8	10	10.1	10.8
	psf	205	209	211	226
UDL	kN/m2	1.9	1.9	1.9	2.1
	psf	40	40	40	43

WIDE					
B5650	B5651	B5652			
WIDE LOW	WIDE MEDIUM	WIDE HIGH			
305	450	600			
12 1/64	17 23/32	23 5/8			
10.9	14.5	15.4			
24	32	34			
150	150	150			
331	331	331			
9.9	10.1	10.2			
206	211	212			
1.4	1.4	1.4			
29	29	29			

EXTENDER						
B5624	B5626	B5628				
LOW EXT	MED EXT	HIGH EXT				
305	450	600				
12 1/64	17 23/32	23 5/8				
7.5	11	11.5				
17	24	25				
150	150	150				
331	331	331				
13	13.3	13.4				
272	278	279				
1.7	1.8	1.8				
36	37	37				



Installation and application considerations should include health, safety and environmental needs, regulations and standards, codes of practice, climate conditions,

installation location, product orientation, evaluation of the roof structure, composition, surface and condition, ancillary and complimentary products and materials. Big Foot Systems recommend that all rooftop products are handled and installed by suitably qualified persons. All scheme designs are based on the use of Big Foot

Systems' products and materials only.

Terms and conditions available on request

TITLE:

Lock 'n' Load Product Specification Sheet

DWG No.

BFT-LnL.dwg

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