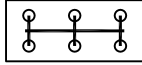




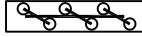
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# LIFTING FRAME ASSEMBLY FULLY ADJUSTABLE SIX PADS ON CROSSARMS WITH BEAM TYPE

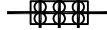
CROSSARMS AND VACUUM PADS IN "B" X "D" MAXIMUM POSITION TO HANDLE MAXIMUM PLATE SIZE



CROSSARMS CAN PIVOT TO NEAR PARALLEL WITH SPREADER BEAM TO HANDLE NARROW PLATES



VACUUM PADS AND CROSSARMS FULLY ADJUSTABLE TO POSITION "C" X "E" TO HANDLE SHORT AND NARROW PLATES



CENTER CROSSARM AND VACUUM PADS FOR USE WITH SMALLER PLATES. OUTER CROSSARMS AND VACUUM PADS PROVIDED WITH SHUT OFF VALVES.



ADJUSTABLE VACUUM PAD AND SLIDE ASSEMBLY, DOUBLE SPRING COMPENSATING WITH BALL SWIVEL MOUNTED VACUUM PADS AND LOCKING HAND KNOBS

END GRABS

HEADROOM HEIGHT "F"  
 ADD VACUUM GENERATOR HEADROOM FOR TOTAL

SHOWN BELOW:  
 LIFTING FRAME ASSEMBLY  
 MODEL L120M6-86-3/44  
 WITH VP80-4 VACUUM CUPS

SPREADER BEAM "A" LENGTH

44.2 (1142)  
 CROSSARM LENGTH

5/8-11 HARDWARE PROVIDED TO MOUNT LIFTING FRAME FOR VACUUM GENERATOR, SEE NOTE #1

SEAL DIAMETER

OUTER PADS "D" MAX. / "E" MIN. WIDTH

CROSSARM LIMITING SLIDE - SEE NOTE #3

OUTER PADS "B" MAX. / "C" MIN. LENGTH

PIVOTING CROSSARM LOCKING WING NUT

ADJUSTABLE CROSSARM ASSEMBLY WITH LOCKING HAND KNOB

NOTES:

1. FOR MODEL L150M6-150-3/44 LIFTING FRAME ASSEMBLY, 3/4-10 HARDWARE USED.
2. CENTER CROSSARM LIMITING SLIDES REQUIRED FOR USE WITH M150M GENERATORS.
3. FRAME WEIGHT DOES NOT INCLUDE OPTIONAL PS-150 PARKING STANDS.
4. M83M, M150M, VPFL4, VPE1-F GENERATOR NOT AVAILABLE.
5. M83M, M100M, VPFL4 GENERATOR NOT AVAILABLE.

LIFTER FRAME NUMBER	RATED LOAD CAPACITY LBS. (Kg.)	MAX. PLATE DIMENSION FT. (M)	SEAL NO.	SEAL DIAMETER In. (mm)	BEAM LENGTH "A" In. (mm)	OUTER VACUUM PADS LENGTH		OUTER VACUUM PADS WIDTH		HEADROOM "F" In. (mm)	FRAME WEIGHT LBS. (Kg.)
						MAX. "B" In. (mm)	MIN. "C" In. (mm)	MAX. "D" In. (mm)	MIN. "E" In. (mm)		
<sup>4</sup> L90M6-61-3/44	900 (408)	8x6 (2.4x1.8)	SSR-70	7.13 (181)	63 (1600)	65.2 (1657)	31.2 (794)	46.8 (1191)	16.7 (426)	9.1 (240)	115 (52)
<sup>4</sup> L90M6-86-3/44	900 (408)	10x6 (3.1x1.8)	SSR-70	7.13 (181)	88 (2235)	90.2 (2292)	31.2 (794)	46.8 (1191)	16.7 (426)	9.1 (240)	129 (59)
<sup>4</sup> L90M6-110-3/44	900 (408)	12x6 (3.7x1.8)	SSR-70	7.13 (181)	112 (2845)	115.2 (2927)	31.2 (794)	46.8 (1191)	16.7 (426)	9.1 (240)	143 (65)
<sup>2,4</sup> L120M6-86-3/44	1200 (545)	10x6 (3.1x1.8)	SSR-80	8.25 (210)	88 (2235)	95.6 (2429)	32.6 (828)	48 (1219)	20 (508)	11.3 (287)	168 (76)
<sup>2,4</sup> L120M6-110-3/44	1200 (545)	12x6 (3.7x1.8)	SSR-80	8.25 (210)	112 (2845)	119.6 (3038)	32.6 (828)	48 (1219)	20 (508)	11.3 (287)	181 (82)
<sup>2,5</sup> L150M6-86-3/44	1500 (680)	10x6 (3.1x1.8)	SSR-90	9.25 (235)	88 (2235)	96.6 (2454)	33.6 (853)	49 (1245)	21 (533)	11.3 (287)	163 (74)
<sup>2,5</sup> L150M6-110-3/44	1500 (680)	12x6 (3.7x1.8)	SSR-90	9.25 (235)	112 (2845)	120.6 (3064)	33.6 (853)	49 (1245)	21 (533)	11.3 (287)	228 (103)
<sup>5</sup> L150M6-150-3/44	1500 (680)	16x8 (4.9x2.4)	SSR-90	9.25 (235)	150 (3810)	160.6 (4080)	33.6 (853)	49 (1245)	21 (533)	13.1 (334)	279 (127)

Rev.-C: Removed L90M6-XX-3/44D (SERIES), Updated Notes

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Classification: SPEC. SHEETS



## ANVER Modular Vacuum Lifter Frames

### Main Beam with Crossarm Type Frame Assemblies

#### Application:

- For horizontal lifting of dry, clean, smooth, non-porous and semi-porous sheet and plate loads.
- When used with one of ANVERs' standard Vac-Packs, they are designed to allow one operator to handle bulky sheet and plate. They are the latest design of popular powered Vacuum Lifters ANVER has been building for years. These are proven, production quality, fully adjustable Lifters designed for years of dependable service.
- Typically used on standard sheet and plate. – Consult spec. sheet and load overhang charts for recommended plate thickness limitations. The heaviest sheet determines the capacity required while the thinnest sheet in the maximum size determines the number of vacuum cups a lifter needs.

#### Overview:

- Vacuum pads are fully adjustable. They slide on pivoting, movable crossarms and lock via hand knobs.
- Crossarms can slide up, down and pivot on main beam and are locked via large wing nuts under the cross arm
- Outside cups can be shut off to use inside cups for small loads.
- Main Beam, and crossarms are made of heavy duty steel tubing with a high strength to weight ratio.
- Special vented ball valves prevent residual vacuum from making shut-off pads stick to load.
- Top springs and long pad suspension rods provided to evenly distribute loads during attachment and lifting
- Bottom spring and vacuum pads with pivoting hubs helps lifter attach to moderately wavy loads
- Unique, oil resistant vacuum seals – easily replaceable by hand without requiring disassembly. The smaller SSR sealing rings are a snap-in by hand type and the larger SR sealing rings slip on.

#### General Features:

- See Spec Drawing for Vacuum Frame rated load capacity, height, length, weight and pad sizes
- Rugged Design with welded steel and bolted construction for durability and ease of service
- Painted with durable ANVER Safety yellow and equipped with quality plated hardware throughout
- Wire Reinforced Clear PVC Hose used along with reusable Stainless Steel hose clamps
- Vacuum is supplied to the pads via a side hose port and not the center rod so they will always be vacuum tight.
- All ANVER Vac-Packs used with these Lifter Frames have a large lifting bale to accommodate most hoist hooks. They also have a wide two hand positioning handlebar and the Lifting frames have end of beam grabs to aid in guiding the lifter and load. Lifters configuration can be easily changed due to it's modular design.
- When ordered with a specific ANVER Vac-Pack, they meet or exceed the American ANSI ASME Standard B30.20 for below-the-hook lifting devices, and comply fully with all applicable OSHA requirements. The Lifter is shipped fully assembled, vacuum tight and tested. Only the handle needs to be bolted on. As a Lifting Frame alone, it is ready to be used on automated systems as is.
- Lifting Frame is designed and made in Hudson, Massachusetts USA by ANVER Corp.

#### Optional Vac-Pack Feature: Vacuum Leakage Sensor

- Vacuum Leakage and Sensor and Warning Device. During each lifting cycle the programmed 'intelligent' processor senses the peak vacuum level. From this point, any slow loss of vacuum from that peak level will trigger the audible horn and visual red light, informing the operator of a leak. The system automatically monitors the vacuum level for the operator and is a useful safety feature.

#### Optional Lifting Frame Feature: Replacement Vacuum Pad Seals

- As this is the main wear item on any vacuum lifter spare replacement seals are recommended.

#### Optional Lifting Frame Feature: Parking Stands

- Parking stands on or near the main beam ends provide support for the lifter so that the vacuum rubber seals will not touch the ground when not in use. This protects the rubber seals from floor dirt and debris damage as well as helping to maintain their shape and prevent them from deforming.