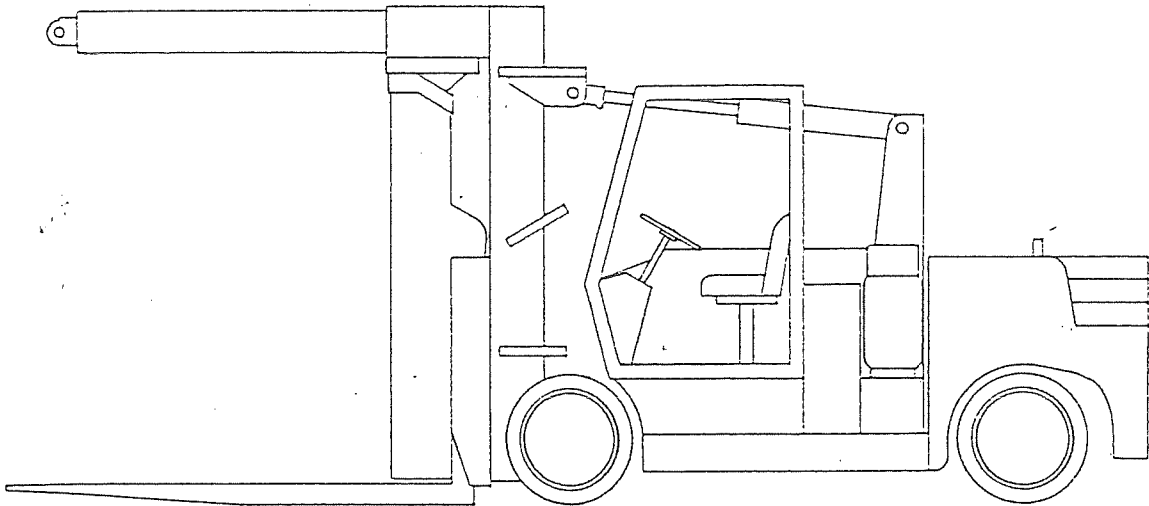


MAINT

VERSA-LIFT 60/80

OPERATORS MANUAL



CONTENTS

LIFT TRUCK APPLICATION	PAGE 2
GENERAL SAFETY RULES	3
OPERATION HAZARDS	4
OPERATION OF VERSA-LIFT	5&6
LUBRICATION SCHEDULE	7
CRITICAL TORQUE SPECIFICATIONS	7

CUSTOM MOBILE EQUIPMENT, INC.
439 EAST HIGH STREET
BALDWIN CITY, KS 66006
PH 785-594-7474

LIFT TRUCK APPLICATION

THE VERSA-LIFT IS A SPECIALTY CUSHION (SOLID) TIRED MACHINE FOR MOVING HEAVY LOADS ON SMOOTH DRY SURFACES. THIS MACHINE SHOULD BE OPERATED USING THE SAME SAFETY RULES AS ANY OTHER LIFT TRUCK. THE VERSA-LIFT ALSO HAS OTHER FEATURES NOT FOUND ON COMMON LIFT TRUCKS LIKE A TELESCOPING FRAME, REMOVABLE COUNTERWEIGHTS AND A SPECIAL BOOM ATTACHMENT. THESE FEATURES ALLOW FOR MANY VARIATIONS IN CAPACITY AND DIFFERENT METHODS OF LIFTING A LOAD.

THIS MANUAL WILL COVER GENERAL SAFETY RULES, BASIC OPERATIONS OF LIFT TRUCK AND A LUBRICATION SCHEDULE. THIS MANUAL CAN NOT INCLUDE ALL POSSIBLE OPERATING HAZARDS AND PROCEDURES BUT WILL GIVE A GENERAL OVERVIEW.

GENERAL SAFETY RULES

- INSPECT THE LIFT TRUCK BEFORE OPERATION
- NEVER DRIVE UNDER THE INFLUENCE OF DRUGS OR ALCOHOL
- WEAR THE PROPER SAFETY EQUIPMENT WHEN REQUIRED
- WATCH NO SMOKING AREAS
- DON'T BLOCK SAFETY OR EMERGENCY EQUIPMENT
- WATCH FOR PEDESTRIANS
- SLOW DOWN WHEN ON SLIPPERY OR LOOSE SURFACES
- KNOW YOUR WEIGHT AND AXLE LOADS WHEN CROSSING FLOORS
- KNOW YOUR AVAILABLE CAPACITY AND THE LOADS WEIGHT AND LOAD CENTER BEFORE ATTEMPTING A LIFT.
- ALWAYS USE YOUR SEAT BELT
- NO RIDERS ON LIFT TRUCK
- DO NOT LIFT ANYONE ON THE FORKS
- DO NOT ALLOW ANYONE TO WALK UNDER RAISED FORKS.
- SOUND HORN WHEN CROSSING INTERSECTIONS
- WATCH OUT FOR PEOPLE IN YOUR WORK AREA
- KEEP UNDER THE OVERHEAD GUARD WHEN LIFTING
- KEEP HANDS AND LEGS INSIDE OPERATORS STATION]
- IF LOAD BLOCKS YOUR VIEW GO BACKWARD
- NEVER TURN ON A GRADE
- CARRY LOAD AND TILTED BACK WHENEVER POSSIBLE
- DON'T JUMP FROM A TIPPING LIFT TRUCK, STAY IN SEAT
- CHOCK WHEELS OF TRAILER WHEN DOCKING FORK LIFT
- KEEP HANDS AND LEGS OUT OF ALL PINCH POINTS
- STAY CLEAR OF TELESCOPING FRAME WHEN OPERATING
- NEVER PARK ON A GRADE
- SET PARKING BRAKE WHEN STOPPED

OPERATING HAZARDS

- FAST TURNING WITH AN EMPTY TRUCK CAN TURN OVER EASIER THAN A LOADED TRUCK
- SHARP TURNS WITH A LOAD UP CAN TURN OVER TRUCK EVEN WHEN MOVING SLOW
- REAR STEERING SWINGS THE TAIL OF THE MACHINE OUT INTO POSSIBLE OBSTICALS OR OUT OF THE AISLE
- TELESCOPING FRAME WITH STEER TURNED MOVES THE LIFT TRUCK SIDWAYS
- NEVER CARRY LOOSE OR UNEVEN MATERIALS
- SPREAD THE FORKS TO FIT THE LOAD
- LONG LOADS REDUCE THE CAPACITY CONSULT THE CAPACITY CHART
- AVOID SWINGING THE LOAD WITH THE BOOM
- BOOM CAPACITY IS WITH A VERTICLE MAST
- WATCH LOW OVERHEAD STRUCTURES
- OPERATE MACHINE IN A WELL VENTALATED AREA

ACCIDENTS HAPPEN WHEN:

1. OPERATOR IS NOT PROPERLY TRAINED
2. OPERATOR IS NOT EXPERIENCED WITH LIFT TRUCK
3. BASIC SAFETY RULES NOT FOLLOWED
4. LIFT TRUCK WAS NOT MAINTAINED IN A SAFE OPERATING CONDITION

OPERATING PROCEDURES

STARTING PROCEDURE

The right foot control pedal is the speed control forward as well as backward and must be in the centered neutral position in order for the engine to be started. Check to see that the parking brake knob located on the dash, to the operators right, is pushed in so that the brake will be set when started. The engine idle control is also on the dash and should be adjusted to a low idle and then the ignition key can be turned to start the engine. If engine is running on gasoline the choke can be used to assist starting the engine when cold. Check gauges for normal conditions for water temp and oil pressure.

HOW TO OPERATE

Be sure that the operator understands the information in the operators manual as well as general safety procedures for operating a lift truck. Check over the machine to make sure it is in good running condition. Put the safety belt on and follow the instructions above for starting the machine.

SPEED SELECTION

The Versa-Lift has two speeds which can be selected at any time by flipping the switch on the dash. The low speed is for when more power and finer control are required to handle a load and high speed is for traveling with no load. The foot pedal control on the right regulates speed forward and backward in whichever speed you have selected.

ENGINE SPEED

The engine rpm is controlled by the push/pull cable on the dash and most operations can be performed setting the engine speed below 2,000 rpm. Maximum allowable speed is 3,000 rpm and should be monitored using the tachometer on the dash.

BRAKE

There are no service brakes on this machine because the hydrostatic transmission accelerates and decelerates the machine using the right foot control pedal. The only brake is a parking brake and it is spring actuated and hydraulically released so whenever the engine is off the brake is set. However, when the engine is running the brake knob on the dash must be pushed to set the brake and pulled to release it. **ALWAYS SET THE PARKING BRAKE WHILE PARKED. THE MACHINE MAY MOVE EVEN WITH THE OPERATORS FOOT IS OFF THE PEDAL.** The brake should be used during normal operations for holding the machine steady especially on inclines. The hydrostatic transmission is capable of holding the machine on an incline by applying the pedal in the opposite direction but for holding over long periods of time use the brake.

DUAL FUEL (if applicable)

The Versa-Lift is supplied with dual fuel capability to run on gasoline or liquid propane. To switch from gasoline to LP flip the switch on the dash to LP with the LP tank valve closed. Let the engine run until it runs out of gasoline. Open the LP tank valve and start the engine. To switch from LP to gasoline close the tank valve and let the engine run out of LP. Flip the switch on the dash to GAS and start the engine. Turning the ignition switch to accessory for a count of 5 will allow the gasoline to fill the carburetor before starting.

HAND LEVER CONTROLS

The control levers on the right control the lift, tilt and boom lift in order from left to right. The levers are pulled to get lift or to tilt the mast back and the levers are pushed for lowering or tilting the mast forward. The frame extension is controlled by an electric switch on the dash. **THE OPERATOR MUST TURN AND LOOK AROUND THE BACK OF THE MACHINE TO MAKE SURE NO ONE IS NEAR WHEN MOVING THE FRAME. THE STEER WHEELS SHOULD BE IN THE STRAIGHT POSITION BEFORE TELESCOPING THE FRAME BECAUSE TURNED STEER WHEELS WILL SHIFT THE FRONT OF THE MACHINE SIDE TO SIDE.** The frame lock must be pulled to disengage the lock before telescoping the frame back. This lock is only in the retracted position and should be used when chaining down the lift truck to a trailer for transporting.

FORK REMOVAL AND INSTALLATION

The carriage has two fork shafts to make it easier to remove the forks. Unbolt the carriage shaft retainers on both sides of the carriage. A shaft puller is provided in the storage compartment and should be screwed into the end of a carriage shaft. Pull out the shaft to release the fork. Repeat the procedure for the other side. The installation of the forks should be performed in the opposite order ending with the carriage shaft retainers being securely fastened. A large pinch bar is provided to aid in the positioning of the forks. Notches have been placed above the carriage bar to gain leverage on the fork eye.

BOOM REMOVAL AND INSTALLATION

The boom attachment should be removed utilizing the boom stand provided. The horizontal boom should be extended all the way out so it will balance on the boom stand. Remove the retainer pin at the bottom of the boom and disconnect the hydraulics (The hydraulic quick-disconnects have a pressure release valve built into them and should be set to the closed position before disconnecting). Lower the boom onto the boom stand posts until the boom is released. The installation of the boom is performed in the opposite order ending with the installing of the retainer pin. The boom can also be lifted off the carriage using the lifting eyes on the upper stage if the booms are chained together.

BOOM VERTICLE EXTENSION

The boom has two hydraulic cylinders that are attached to the intermediate stage and two cylinders inside the boom that lift the upper boom stage. All four boom stages are hydraulically plumbed together and will lift at different speeds. The boom stages can exchange hydraulic oil at any time so that the stages are moving in opposite directions even if the hydraulic lever is not being used but the lifting eye should remain stationary.

BOOM HORIZONTAL EXTENSION

The horizontal boom is to be extended back and forth to the required position for lifting each load in order to keep the center of gravity of the load as close to the boom face as possible. This is done by pulling horizontal retainer pin and then turning the crank until a hole is lined up for the horizontal retainer pin to be installed. **THE HORIZONTAL BOON RETAINER PIN MUST BE IN PLACE AT ALL TIMES EXCEPT WHILE MOVING THE HORIZONTAL BOOM. THE HORIZONTAL BOOM COULD COME OUT OF THE SOCKET IF THE PIN IS NOT IN PLACE.**

BOOM LIFTING EYE INSERT

The lifting eye insert is retained by a pin into the end of the horizontal boom. The insert can be slid out for an additional four foot of reach. If more than six foot of reach is not required to do the job then the insert should be all the way into the horizontal boom and kept there. **MAKE SURE THE PIN SECURING THE INSERT INTO THE HORIZONTAL BOOM HAS BEEN TIGHTENED USING TWO WRENCHES ON THE BOLTS WITH LOCKWASHERS.**

LUBRICATION GUIDE

LUBRICATION		
Steer axle linkage and king pin bearings	(10) fittings	50 hours
Mast roller bearings	(18) fittings	50 hours
Steer axle / counterweight pivot bearings	(2) fittings	100 hours
Mast mounting trunion bearings	(2) fittings	100 hours
Tilt cylinder pins	(4) fittings	100 hours
ENGINE LUBRICATION		
Replace oil and filter		50 hours
FUEL SYSTEM		
Replace fuel filter		2000 hours
AIR INTAKE		
Replace air filter		250 hours
HYDROSTATIC TRANSMISSION		
Replace filter located on pump (CAUTION KEEP FILTER AREA CLEAN)		250 hours
COOLING SYSTEM		
Check coolant condition		1000 hours
Drain and flush radiator		2000 hours
HYDRAULIC SYSTEM UNIVERSAL HYDRAULIC FLUID		
Check level		50 hours
Replace in-tank filter		500 hours
Change fluid		2000 hours
Change breather cap		2000 hours
DRIVE AXLE 85W-140 gear oil		
Check fluid level		250 hours
Drain and replace oil		2000 hours
PLANETARY (MOUNTED NEXT TO PARKING BRAKE)		
Drain and replace oil ISO GRADE 220 SYNTHETIC GEAR LUBE		2000 hours
IGNITION		
Check spark plugs and distributor cap		1000 hours
Engine tune up		2000 hours
STEER AXLE WHEEL BEARINGS		
Lubricate		2000 hours

CRITICAL FASTENER TORQUE SPECIFICATIONS

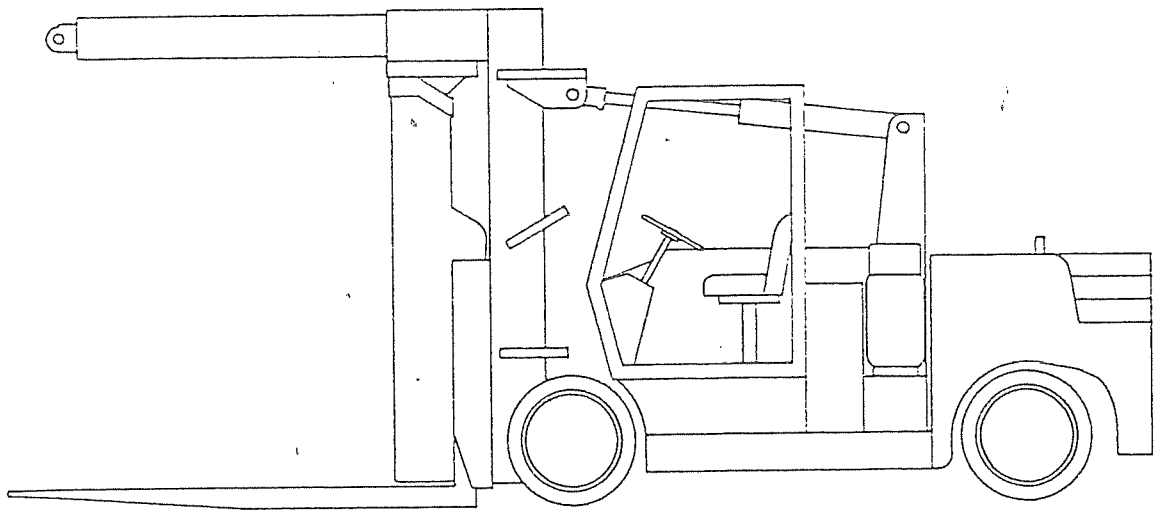
DRIVE WHEEL LUG NUTS	750 FT.-LBS.
DRIVE AXLE TO FRAME BOLTS	1200 FT.-LBS.
STEER AXLE PIVOT RETAINER BOLTS	310 FT.-LBS.
MAST MOUNTING BOLTS	310 FT.-LBS.
TILT CYLINDER ROD EYE CLAMP BOLTS	125 FT.-LBS.
COUNTERWEIGHT MOUNTING BOLTS	400 FT.-LBS.
STEER CYLINDER CLAMP BOLTS	200 FT.-LBS.
SEAT MOUNTING BOLTS	15 FT.-LBS.

main
copy

LIFT CAPACITY CHART

VERSA-LIFT

60/80



CUSTOM MOBILE EQUIPMENT, INC.
439 EAST HIGH STREET
BALDWIN CITY, KS 66006
PH 785-594-7474

60/80 VersaLift with 0 Counterweight Slabs

Slab Weight (lbs)

5000

Number of Slabs

0

Standard Wheel Base

120

		Lift Capacities w/Forks Only				
		Counter Weight Extension (in)				
		0	12	24	36	48
		Load Center From Fork Face (in)	22	16,074 #	18,207 #	20,341 #
	36	12,765 #	14,459 #	16,153 #	17,847 #	19,541 #
	48	10,850 #	12,290 #	13,730 #	15,170 #	16,610 #
	60	9,435 #	10,687 #	11,939 #	13,191 #	14,443 #
	72	8,346 #	9,454 #	10,562 #	11,669 #	12,777 #
	84	7,483 #	8,476 #	9,469 #	10,462 #	11,455 #

		Lift Capacities w/Boom Only				
		Counter Weight Extension (in)				
		0	12	24	36	48
		Load Center From Boom Face (in)	6	12,567 #	14,662 #	16,756 #
	24	9,468 #	11,047 #	12,625 #	14,203 #	15,781 #
	36	8,132 #	9,487 #	10,842 #	12,198 #	13,553 #
	48	7,126 #	8,313 #	9,501 #	10,689 #	11,876 #
	60	6,341 #	7,398 #	8,455 #	9,512 #	10,569 #
	72	5,712 #	6,664 #	7,617 #	8,569 #	9,521 #
	120	4,090 #	4,772 #	5,453 #	6,135 #	6,817 #

		Lift Capacities w/Boom & Forks				
		Counter Weight Extension (in)				
		0	12	24	36	48
		Load Center From Boom Face (in)	24	7,474 #	9,052 #	10,630 #
	36	6,419 #	7,774 #	9,129 #	10,485 #	11,840 #
	48	5,625 #	6,812 #	8,000 #	9,188 #	10,375 #
	60	5,006 #	6,062 #	7,119 #	8,176 #	9,233 #
	72	4,509 #	5,461 #	6,413 #	7,365 #	8,317 #
	84	4,102 #	4,968 #	5,835 #	6,701 #	7,567 #

***All Load Capacities are Rated with the Mast Vertical

60/80 VersaLift with 1 Counterweight Slabs

Slab Weight (lbs)
5000

Number of Slabs
1

Standard Wheel Base
120

		Lift Capacities w/Forks Only				
		Counter Weight Extension (in)				
		0	12	24	36	48
Load Center From Fork Face (in)	22	24,963 #	27,985 #	31,007 #	34,030 #	37,052 #
	36	19,824 #	22,224 #	24,624 #	27,024 #	29,424 #
	48	16,850 #	18,890 #	20,930 #	22,970 #	25,010 #
	60	14,652 #	16,426 #	18,200 #	19,974 #	21,748 #
	72	12,962 #	14,531 #	16,100 #	17,669 #	19,238 #
	84	11,621 #	13,028 #	14,434 #	15,841 #	17,248 #

		Lift Capacities w/Boom Only				
		Counter Weight Extension (in)				
		0	12	24	36	48
Load Center From Boom Face (in)	6	21,295 #	24,262 #	27,229 #	30,196 #	33,164 #
	24	16,044 #	18,279 #	20,515 #	22,751 #	24,986 #
	36	13,779 #	15,699 #	17,619 #	19,539 #	21,459 #
	48	12,074 #	13,757 #	15,439 #	17,122 #	18,804 #
	60	10,745 #	12,242 #	13,739 #	15,237 #	16,734 #
	72	9,679 #	11,028 #	12,377 #	13,726 #	15,074 #
	120	6,930 #	7,896 #	8,862 #	9,827 #	10,793 #

		Lift Capacities w/Boom & Forks				
		Counter Weight Extension (in)				
		0	12	24	36	48
Load Center From Boom Face (in)	24	14,049 #	16,285 #	18,521 #	20,756 #	22,992 #
	36	12,066 #	13,986 #	15,906 #	17,826 #	19,746 #
	48	10,573 #	12,256 #	13,938 #	15,621 #	17,303 #
	60	9,409 #	10,906 #	12,404 #	13,901 #	15,398 #
	72	8,476 #	9,825 #	11,174 #	12,522 #	13,871 #
	84	7,711 #	8,938 #	10,165 #	11,392 #	12,620 #

***All Load Capacities are Rated with the Mast Vertical

60/80 VersaLift with 2 Counterweight Slabs

Slab Weight (lbs)
5000

Number of Slabs
2

Standard Wheel Base
120

		Lift Capacities w/Forks Only				
		Counter Weight Extension (in)				
		0	12	24	36	48
Load Center From Fork Face (in)	22	33,852 #	37,763 #	41,674 #	45,585 #	49,496 #
	36	26,882 #	29,988 #	33,094 #	36,200 #	39,306 #
	48	22,850 #	25,490 #	28,130 #	30,770 #	33,410 #
	60	19,870 #	22,165 #	24,461 #	26,757 #	29,052 #
	72	17,577 #	19,608 #	21,638 #	23,669 #	25,700 #
	84	15,759 #	17,579 #	19,400 #	21,221 #	23,041 #

		Lift Capacities w/Boom Only				
		Counter Weight Extension (in)				
		0	12	24	36	48
Load Center From Boom Face (in)	6	30,022 #	33,862 #	37,702 #	41,542 #	45,382 #
	24	22,619 #	25,512 #	28,405 #	31,299 #	34,192 #
	36	19,426 #	21,911 #	24,395 #	26,880 #	29,365 #
	48	17,023 #	19,200 #	21,377 #	23,555 #	25,732 #
	60	15,149 #	17,086 #	19,024 #	20,961 #	22,899 #
	72	13,646 #	15,392 #	17,137 #	18,883 #	20,628 #
	120	9,770 #	11,020 #	12,270 #	13,520 #	14,769 #

		Lift Capacities w/Boom & Forks				
		Counter Weight Extension (in)				
		0	12	24	36	48
Load Center From Boom Face (in)	24	20,625 #	23,518 #	26,411 #	29,304 #	32,197 #
	36	17,713 #	20,198 #	22,682 #	25,167 #	27,652 #
	48	15,522 #	17,699 #	19,876 #	22,054 #	24,231 #
	60	13,813 #	15,750 #	17,688 #	19,626 #	21,563 #
	72	12,443 #	14,188 #	15,934 #	17,679 #	19,425 #
	84	11,320 #	12,908 #	14,496 #	16,084 #	17,672 #

***All Load Capacities are Rated with the Mast Vertical

60/80 VersaLift with 3 Counterweight Slabs

Slab Weight (lbs)

5000

Number of Slabs

3

Standard Wheel Base

120

		Lift Capacities w/Forks Only				
		Counter Weight Extension (in)				
		0	12	24	36	48
Load Center From Fork Face (in)	22	42,741 #	47,541 #	52,341 #	57,141 #	61,941 #
	36	33,941 #	37,753 #	41,565 #	45,376 #	49,188 #
	48	28,850 #	32,090 #	35,330 #	38,570 #	41,810 #
	60	25,087 #	27,904 #	30,722 #	33,539 #	36,357 #
	72	22,192 #	24,685 #	27,177 #	29,669 #	32,162 #
	84	19,897 #	22,131 #	24,366 #	26,600 #	28,834 #

		Lift Capacities w/Boom Only				
		Counter Weight Extension (in)				
		0	12	24	36	48
Load Center From Boom Face (in)	6	38,749 #	43,462 #	48,175 #	52,887 #	57,600 #
	24	29,195 #	32,745 #	36,296 #	39,847 #	43,397 #
	36	25,073 #	28,122 #	31,172 #	34,221 #	37,271 #
	48	21,971 #	24,643 #	27,315 #	29,988 #	32,660 #
	60	19,552 #	21,930 #	24,308 #	26,686 #	29,064 #
	72	17,613 #	19,755 #	21,898 #	24,040 #	26,182 #
	120	12,611 #	14,144 #	15,678 #	17,212 #	18,746 #

		Lift Capacities w/Boom & Forks				
		Counter Weight Extension (in)				
		0	12	24	36	48
Load Center From Boom Face (in)	24	27,200 #	30,751 #	34,301 #	37,852 #	41,403 #
	36	23,360 #	26,409 #	29,459 #	32,508 #	35,558 #
	48	20,470 #	23,142 #	25,814 #	28,487 #	31,159 #
	60	18,217 #	20,594 #	22,972 #	25,350 #	27,728 #
	72	16,410 #	18,552 #	20,694 #	22,836 #	24,979 #
	84	14,929 #	16,878 #	18,827 #	20,776 #	22,725 #

***All Load Capacities are Rated with the Mast Vertical

60/80 VersaLift with 4 Counterweight Slabs

Slab Weight (lbs)
5000

Number of Slabs
4

Standard Wheel Base
120

		Lift Capacities w/Forks Only				
		Counter Weight Extension (in)				
		0	12	24	36	48
Load Center From Fork Face (in)	22	51,630 #	57,319 #	63,007 #	68,696 #	74,385 #
	36	41,000 #	45,518 #	50,035 #	54,553 #	59,071 #
	48	34,850 #	38,690 #	42,530 #	46,370 #	50,210 #
	60	30,304 #	33,643 #	36,983 #	40,322 #	43,661 #
	72	26,808 #	29,762 #	32,715 #	35,669 #	38,623 #
	84	24,034 #	26,683 #	29,331 #	31,979 #	34,628 #

		Lift Capacities w/Boom Only				
		Counter Weight Extension (in)				
		0	12	24	36	48
Load Center From Boom Face (in)	6	47,476 #	53,062 #	58,647 #	64,233 #	69,818 #
	24	35,770 #	39,978 #	44,186 #	48,395 #	52,603 #
	36	30,720 #	34,334 #	37,948 #	41,562 #	45,176 #
	48	26,920 #	30,087 #	33,254 #	36,421 #	39,588 #
	60	23,956 #	26,774 #	29,593 #	32,411 #	35,229 #
	72	21,580 #	24,119 #	26,658 #	29,197 #	31,736 #
	120	15,451 #	17,269 #	19,086 #	20,904 #	22,722 #

		Lift Capacities w/Boom & Forks				
		Counter Weight Extension (in)				
		0	12	24	36	48
Load Center From Boom Face (in)	24	33,775 #	37,984 #	42,192 #	46,400 #	50,608 #
	36	29,007 #	32,621 #	36,235 #	39,849 #	43,464 #
	48	25,419 #	28,586 #	31,753 #	34,920 #	38,087 #
	60	22,620 #	25,439 #	28,257 #	31,075 #	33,894 #
	72	20,377 #	22,916 #	25,455 #	27,993 #	30,532 #
	84	18,538 #	20,848 #	23,158 #	25,468 #	27,777 #

***All Load Capacities are Rated with the Mast Vertical

60/80 VersaLift with 5 Counterweight Slabs

Slab Weight (lbs)
5000

Number of Slabs
5

Standard Wheel Base
120

		Lift Capacities w/Forks Only				
		Counter Weight Extension (in)				
		0	12	24	36	48
Load Center From Fork Face (in)	22	60,519 #	67,096 #	73,674 #	80,252 #	86,830 #
	36	48,059 #	53,282 #	58,506 #	63,729 #	68,953 #
	48	40,850 #	45,290 #	49,730 #	54,170 #	58,610 #
	60	35,522 #	39,383 #	43,243 #	47,104 #	50,965 #
	72	31,423 #	34,838 #	38,254 #	41,669 #	45,085 #
	84	28,172 #	31,234 #	34,297 #	37,359 #	40,421 #

		Lift Capacities w/Boom Only				
		Counter Weight Extension (in)				
		0	12	24	36	48
Load Center From Boom Face (in)	6	56,204 #	62,662 #	69,120 #	75,578 #	82,036 #
	24	42,345 #	47,211 #	52,077 #	56,942 #	61,808 #
	36	36,367 #	40,546 #	44,725 #	48,904 #	53,082 #
	48	31,868 #	35,530 #	39,192 #	42,854 #	46,515 #
	60	28,360 #	31,618 #	34,877 #	38,136 #	41,394 #
	72	25,547 #	28,483 #	31,418 #	34,354 #	37,289 #
	120	18,291 #	20,393 #	22,495 #	24,596 #	26,698 #

		Lift Capacities w/Boom & Forks				
		Counter Weight Extension (in)				
		0	12	24	36	48
Load Center From Boom Face (in)	24	40,351 #	45,216 #	50,082 #	54,948 #	59,814 #
	36	34,654 #	38,833 #	43,012 #	47,191 #	51,369 #
	48	30,367 #	34,029 #	37,691 #	41,353 #	45,014 #
	60	27,024 #	30,283 #	33,541 #	36,800 #	40,059 #
	72	24,344 #	27,279 #	30,215 #	33,150 #	36,086 #
	84	22,147 #	24,818 #	27,489 #	30,159 #	32,830 #

***All Load Capacities are Rated with the Mast Vertical

60/80 Versa-Lift with 6 Counterweight Slabs

Slab Weight (lbs)
5000

Number of Slabs
6

Standard Wheel Base
120

		Lift Capacities w/Forks Only				
		Counter Weight Extension (in)				
		0	12	24	36	48
Load Center From Fork Face (in)	22	69,407 #	76,874 #	84,341 #	91,807 #	99,274 #
	36	55,118 #	61,047 #	66,976 #	72,906 #	78,835 #
	48	46,850 #	51,890 #	56,930 #	61,970 #	67,010 #
	60	40,739 #	45,122 #	49,504 #	53,887 #	58,270 #
	72	36,038 #	39,915 #	43,792 #	47,669 #	51,546 #
	84	32,310 #	35,786 #	39,262 #	42,738 #	46,214 #

		Lift Capacities w/Boom Only				
		Counter Weight Extension (in)				
		0	12	24	36	48
Load Center From Boom Face (in)	6	64,931 #	72,262 #	79,593 #	86,924 #	94,255 #
	24	48,921 #	54,444 #	59,967 #	65,490 #	71,014 #
	36	42,014 #	46,758 #	51,501 #	56,245 #	60,988 #
	48	36,816 #	40,973 #	45,130 #	49,287 #	53,443 #
	60	32,763 #	36,462 #	40,161 #	43,861 #	47,560 #
	72	29,514 #	32,846 #	36,179 #	39,511 #	42,843 #
	120	21,131 #	23,517 #	25,903 #	28,289 #	30,675 #

		Lift Capacities w/Boom & Forks				
		Counter Weight Extension (in)				
		0	12	24	36'	48
Load Center From Boom Face (in)	24	46,926 #	52,449 #	57,973 #	63,496 #	69,019 #
	36	40,301 #	45,045 #	49,788 #	54,532 #	59,275 #
	48	35,315 #	39,472 #	43,629 #	47,786 #	51,942 #
	60	31,428 #	35,127 #	38,826 #	42,525 #	46,224 #
	72	28,311 #	31,643 #	34,975 #	38,307 #	41,640 #
	84	25,756 #	28,788 #	31,820 #	34,851 #	37,883 #

***All Load Capacities are Rated with the Mast Vertical