FORKLIFT EXCHANGE INC
WHOLESALER OF USED MATERIAL HANDLING & CONSTRUCTION EQUIPMENT

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HOIST
MATERIAL HANDLING

NEW HOIST FR 40/60 GEN II | EXTENDABLE COUNTERWEIGHT FORKLIFT







Forklift Exchange Inc.
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Fort Myers, FL 33912
(239) 292-1159

Contact Us

SALES
Maxx Flaska - (630) 254-2210
maxx@forkliftexchange.com

FR40/60

STANDARD EQUIPMENT

DURABILITY

Impact-resistant main and side thrust rollers to reduce friction
Greaseable mast pivots constructed with wear-resistant bronze bushings and high-strength alloy steel pins
Corrosion resistant cylinder rods
Engine protection system
Heavy-duty isolated anti-vibration bolt-in drive line mounts
Tilt-lock counterbalance valve to prevent mast drift
12 volt electrical system
High torque heavy duty planetary wheels for high-capacity applications
Precision ground, heat-treated gears
Thick top plate on welded beam steer axle provides added strength
Dual-action bolt-on steer cylinder protected by heavy steel support beams
High-impact composite trunnions
Tapered roller bearings
Two-part rust-inhibiting polyurethane base coat & two-part polyurethane top coat for corrosion protection
Powder-coated components

SAFETY

Electrical horn
Asbestos free components
Bolt-on overhead guard
Seat with operator restraint system
Operator Presence Sensing System (OPSS)
Spring-applied/hyrdaulic release parking brake
Audible alarm used in conjunction with visual warnings
Anti-roll back programming feature

PERFORMANCE

PSI 2.4L 4-cylinder dual fuel engine (LP/Gas)
2-Speed hydrostatic transmission
Heavy-duty alternator with built-in regulator
2-function hydraulic control valve (lift and tilt)
Hydraulic power steering
Inboard muffler/catalyst
7" touch-screen multi-function display
- Fuel gauge (gasoline only)
- Hour meter
- Tachometer
- Water temperature gauge
- Engine oil pressure gauge
- Enhanced automated capacity calculator
- Lift Plan Tool
- Parking brake indicator
- Load weight indicator
- Fuse/relay diagnostics
- Onobard diagnostics
- Selectable normal/creep mode
- Service and operator's manuals

ERGONOMICS/CABIN

Left-hand operator/seat position
Rubber-mounted cab isolated from the frame to reduce noise and vibration
Low-height non-skid step
Adjustable vinyl semi-suspension seat
Compact low effort hydraulic levers w/electronic controls
Tilt steering column
Large dual operator assist grips
Bolt on lexan top panel on top of operator guard
Pushbutton panel with rotary encoder for RPM adjustment

SERVICEABILITY

Quick-Change Attachment System for quick connect/ disconnect of forks and boom
Fork QD pin storage bracket on mast.
Pin type mechanical carriage w/pushers
Engine fault code diagnostic capability
O-ring face seal fittings
Easy-access oil filter and drain
Large clean-out cover on top of hydraulic tank and convenient drain plug on the bottom
Engine driven fan
Wires enclosed in split wire loom wrap
Deutsche connectors
Easy-access steer axle lubrication points
Hinged panels and hoods supported by gas shocks to reach entire drivetrain, hydraulics and filters
Emergency lowering override
Easy access removable LP tanks

FR40/60

MAIN VEHICLE SPECIFICATIONS

1	Manufacturer				HOIST
2	Model				FR40/60
3	Load Capacity[1]		Retracted/Extended	lb (kg)	35,200 (15966.5) / 52,300 (23722.9)
4	Load Center			in (mm)	48.00 (1219.2)
5	Power Type				LP/Gas
6	Operator Position				Seated Rider / LH Seat
7	Tire Type		Front/Rear		Cushion / Cushion
8	Wheels (x = driven)		Front/Rear		2x/2
9	Maximum Fork Height (MFH) (Top of Forks) (FV Mast)			in (mm)	104.50 (2654.3)
10	Maximum Boom Lifting Height[2]			in (mm)	306.31 (7780.2)
11	Maximum Boom Extension Length[2]			in (mm)	120.00 (3048.0)
12	Free Lift (Top of Forks)			in (mm)	31.00 (787.4)
13	Fork Size		T x W x L	in (mm)	4.50 (114.3) x 10.00 (254.0) x 96.00 (2438.4)
14	Fork Spread (Out-to-out Max / In-to-in Min)		Max / Min	in (mm)	64.58 (1640.3) / 9.50 (241.3)
15	Tilt Range		Fwd/Bwd	deg	12/7
16	Length to Fork Face		Retracted/Extended	in (mm)	156.81 (3982.9)/204.81 (5202.2)
17	Overall Width			in (mm)	72.00 (1828.8)
18	Mast Lowered Height			in (mm)	107.00 (2717.8)
19	Mast Extended Height			in (mm)	175.75 (4464.0)
20	Overhead Guard Height (top of strobe)			in (mm)	95.27 (2419.9)
21	Turning Radius (Outside)		Retracted/Extended	in (mm)	136.87 (3492.5) / 189.64 (4816.9)
22	Load Distance (Centerline of front axle to front face of forks)			in (mm)	31.30 (795.0)
23	Basic Right Angle Stacking Aisle Width (Add load length and clearance)		Retracted/Extended	in (mm)	168.17 (4271.5) / 220.94 (5611.9)
24	Speeds	Travel, Max. (Forward / Reverse)	Full Load	mph (km/h)	3.0 (4.8)
			No Load	mph (km/h)	3.9 (6.3)
25		Lifting	Full Load	fpm (mm/sec)	10.9 (55.4)
			No Load	fpm (mm/sec)	15.0 (76.2)
26		Lowering	Full Load	fpm (mm/sec)	15.3 (77.7)
			No Load	fpm (mm/sec)	6.8 (34.5)
27	Drawbar Pull, Max.		Full Load	lb (kg)	8,098 (3673.2)
			No Load	lb (kg)	8,698 (3945.3)
28			1 MPH	lb (kg)	8,109 (3678.2)
29	Gradeability[3]		Full Load	%	7
			No Load	%	15
30	Total Weight			lb (kg)	56,310 (25541.8)
31	Weight Distribution (Counterweight collapsed, all slabs)	Loaded (40,000 lbs. @ 36" L.C)	Front	lb (kg)	88,198 (40005.9)
			Rear	lb (kg)	7,922 (3593.4)
32		No Load	Front	lb (kg)	20,520 (9307.7)
			Rear	lb (kg)	35,600 (16147.9)
33	Tires	Number	Front / Rear		4/2
34		Size	Front		28 X 10 X 22
35			Rear		28 X 10 X 22
36	Wheelbase		Retracted/Extended	in (mm)	96.40 (2448.6)/144.40 (3667.8)
37	Track Width		Front	in (mm)	52.00 (1320.8)
38			Rear	in (mm)	60.00 (1524.0)
39	Underclearance (Full Load)	Min. with Load		in (mm)	4.38 (111.3)
40		Center of Wheelbase		in (mm)	6.25 (158.8)
41	Brake	Service (Foot)			Hydrostatic
42		Parking			Mechanical
43	Battery	Voltage		V	12
44	Internal Combustion Engine	Make / Model			PSI 2.4L
45		Rated Horsepower @ r.p.m.		SAE HP	63.2 @ 2800
				<kW>	<47.1 @ 2800>
46		Rated Torque @ r.p.m.		SAE ft-lb	123.9 @ 1600
				<N-m>	<168.0 @ 1600>
47		Number of Cylinders			4
		Piston Displacement		cu-in (cc)	143 (2343.4)
		Fuel Tank Capacity		US gal (liter)	13.7 (51.86)
48	Transmission	Type			Hydrostatic
		Speeds	Forward / Reverse		2 / 2
49	Aux. Hydraulic Function (For Attachments)	Max. Operating Pressure		psi (kg/cm2)	2900 (203.9)
				<MPa>	<19.99>
50		Max Flow Rate		gpm (lpm)	24.20 (91.6)

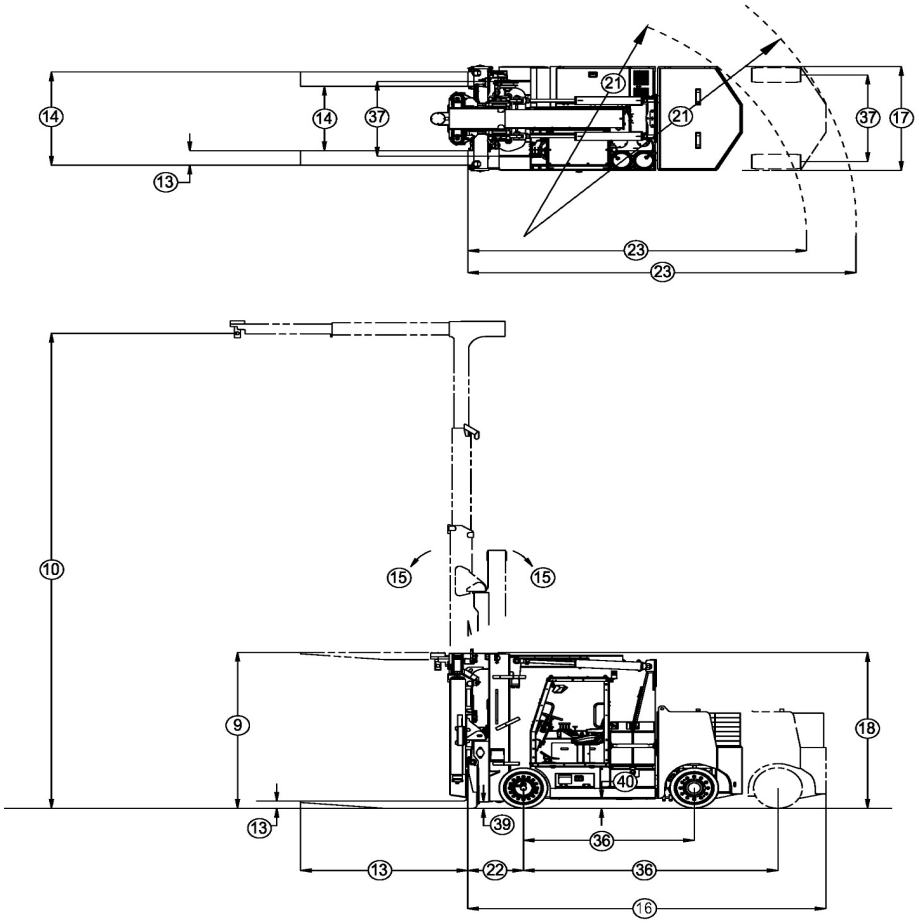
[1] Capacity for FR40/60 at 36"LC is 41,400 (18770) / 61,600 (27940)

[2] With standard mast and corresponding machinery boom

[3] Gradability calculations based on tested hydrostatic system pressure and flow rates.
Variations in tire compound and operating surface condition will affect gradeability performance.

FR40/60

DIMENSIONAL DRAWING



RATED CAPACITY

An alternate Load Center may be obtained to accommodate longer forks or an alternate attachment.
If this is required, please contact TM.
(All stated capacities based on standard forks)

DIMENSIONS - for dimensions, please reference the line number listed on the Main Vehicle Specifications page

UNDERCLEARANCE

Mast	Full Load	4.38 (111.3)
Center of Wheelbase	Full Load	6.25 (158.8)
Drive Axle	Full Load	5.25 (133.9)
Steer Axle	No Load	4.70 (119.4)
Counterweight	No Load	9.35 (237.5)

Weights

Removeable Counterweight	16,240 (7366.3)
Boom	5,612(2545.6)
Standard Forks	3,100 (1406.1)
Total	56,310 (25541.8)

TIRES

Model		FR40/60
Front Tire Size		28 X 10 X 22
Rear Tire Size		28 X 10 X 22
Overall Width	in (mm)	72.00 (1828.8)
Track, Front	in (mm)	52.00 (1320.8)
Track, Rear	in (mm)	60.00 (1524.0)

FR40/60

OPTIONS AVAILABILITY CHART

Option Item	Option Code	Max Fork Height (top of forks)	Overall Height - Lowered	Free Lift	Tilt Range		Forks Only	Boom Only
		(in/mm)	(in/mm)	(in/mm)	FWD	BWD	lb (kg)	lb (kg)
MASTS**					deg	deg		
Full-Free Lift	104FV*	104.50 (2654.3)	107.00 (2717.8)	31.00 (787.4)	12	7	See capacities listed on Pages IV-I-8 through IV-I-15	
Two-Stage Mast (FV)	122FV	122.00 (3098.8)	118.00 (2997.2)	32.50 (825.5)	12	7		
	157FV	157.00 (3987.8)	133.00 (3378.2)	32.50 (825.5)	12	7		

*Standard Mast

**Masts come with boom

FR40/60

OPTIONS AVAILABILITY CHART

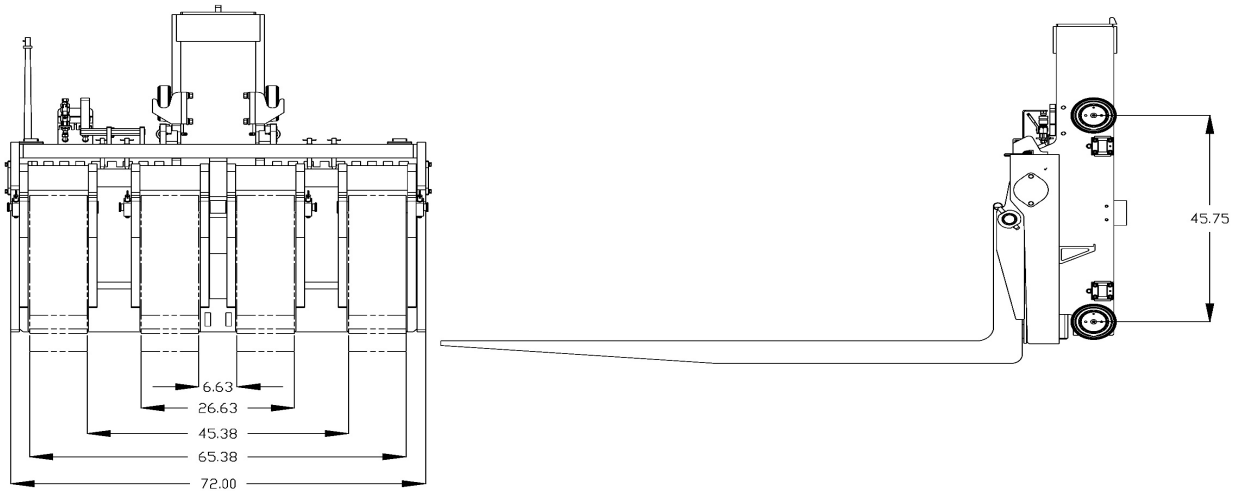
❍ Option Available

Option Item		Option Code	FR40/60
FORKS			
Less Forks	3	LFRK	See Pricebook
Standard Forks	2	MA**	
Fully Tapered Forks	2	MF**	
CARRIAGE OPTIONS			
Pin Type Mechanical Carriage w/Pushers	1,15	A35S	Standard
Pin Carriage, Mechanical Fork-on-pin	1,16	A35M	❍
Integral Side Shifting Fork Positioner (Dependent)	1,17	E711B	❍
Integral Fork Positioner (Independent)	1,18	E621A	❍
BOOM OPTIONS			
Less Machinery Boom & Stand	4	LMBS	❍
Lifting Ring Assembly (2nd Position Lift Point)	5	M08L	❍
Boom Shackle	5	M08B	❍
Boom Shackle and Hook	5	M08H	❍
Longer Horizontal Inner Boom, 6" (manual)	5	IHB16	❍
Longer Horizontal Inner Boom, 12" (manual)	5	IHB112	❍
Longer Horizontal Inner Boom 18" (manual)	5	IHB118	❍
Hydraulically Powered Horizontal Boom	5	IHB2	❍
SEATS & SEATBELTS			
Air Ride Seat		Z75B	❍
LIGHTING OPTIONS			
Amber Strobe Light		J19G	❍
Forward Facing Blue LED Spot Light (Key Switch Activated)	6	J44F	❍
Rear Facing Blue LED Spot Light (Key Switch Activated)	7	J44R	❍
Safety Spot, Blue (Forward and Reverse, Key Switch Activated)	8	J44B	❍
Forward Facing Red LED Spot Light(Key Switch Activated)	9	J45F	❍
Rear Facing Red LED Safety Spot Light (Key Switch Activated)	10	J45R	❍
Safety Spot, Red (Forward and Reverse, Key Switch Activated)	11	J45B	❍
Extra Work Lights- LED Forward Facing (pair)	12	J25Z	❍
Forward Facing Programmable Work Lights, Pair	13	J25P	❍
INDICATORS & MISC.			
Backup Alarm		K21D	❍
Rear Camera System Visibility Aid		K40Y	❍
Fire Extinguisher (5 lb)		S10A	❍
Pre-Operation Checklist			HSDR
Remote Control		E45R	❍
CHASSIS			
Special Paint (One Color)	14	R00A	❍
Grooved Poly Drive Tires		F05G	❍

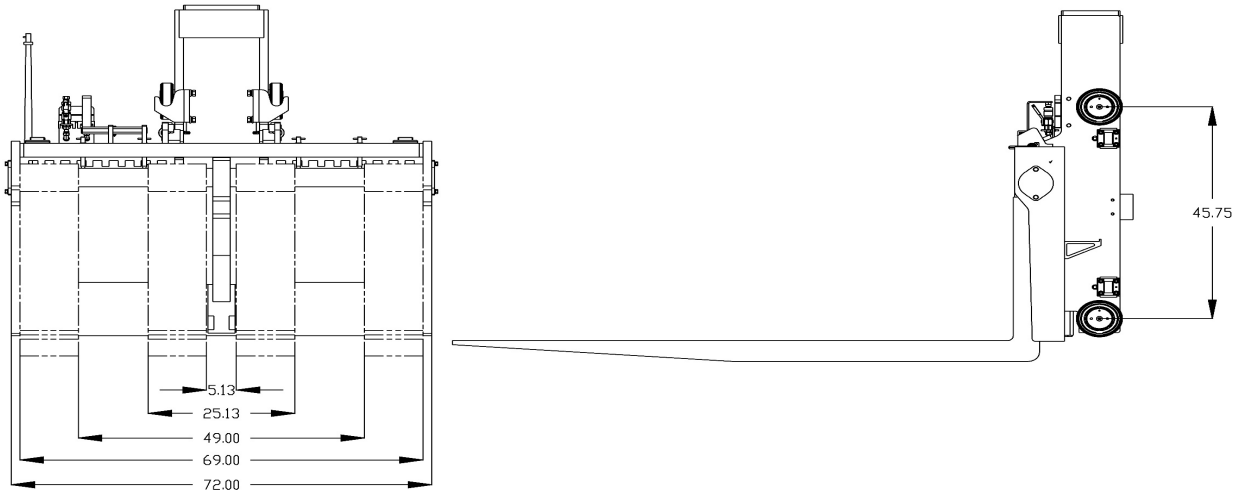
1 Only one carriage option can be ordered per truck.
2 Only one fork option can be ordered per truck. Additional forks available through HSDR.
3 Requires Z01A (HSDR)
4 Not available with M08L, M08B, IHB16, IHB112, IHB118, IHB2
5 Not available with LMBS
6 Not available with J44R, J44B, J45R, J45B
7 Not available with J44F, J44B, J45F, J45B
8 Not available with J44F, J44R, J45F, J45R, J45B
9 Not available with J45R, J45B, J44R, J44B
10 Not available with J45F, J45B, J44F, J44B
11 Not availabe with J45F, J45R. J44F, J44R, J44B
12 Not available with J25P
13 Not available with J25Z
14 HSDR with filled out paint map and RAL code required
15 Requires LMBS. Not available with A35M, E711B, E621A
16 Requires LMBS. Not available with A35S, E711B, E621A
17 Not available with A35S, A35M, E621A. Can be used with LMBS
18 Not available with A35S, A35M, E711B Can be used with LMBS

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Standard Mechanical Carriage w/Pushers - Option A35S

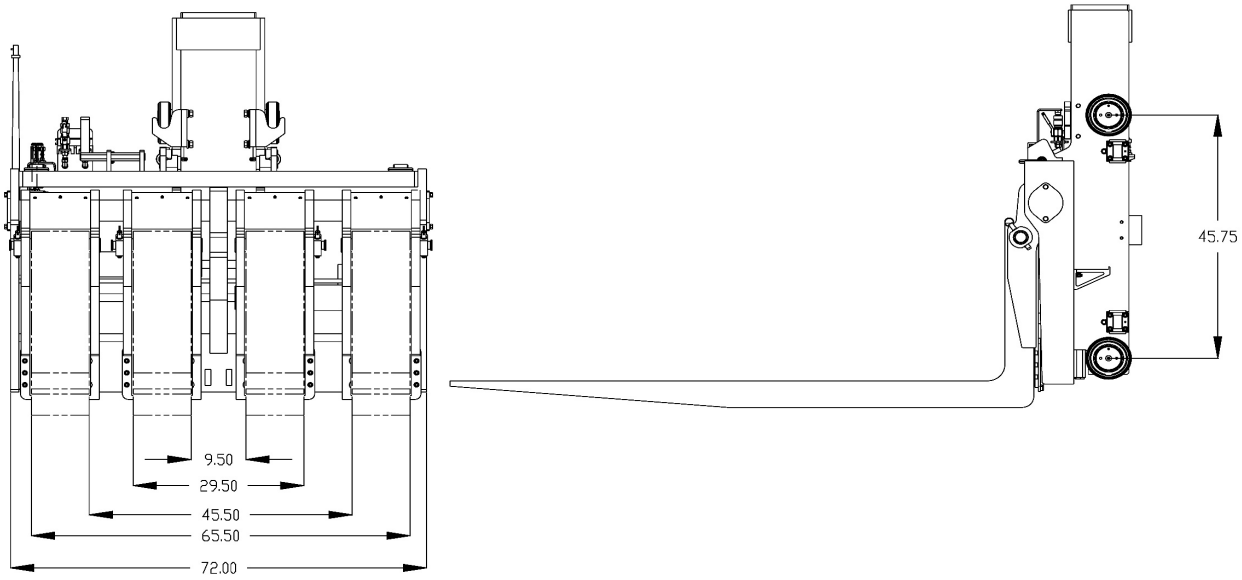


Optional Mechanical Carriage - Fork on Pin - Option A35M



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SS/FP Carriage & Integral Fork Position (Independent) Carriage w/Pushers
Options E711B & E621A



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DERATE CAPACITIES

Capacity with 0 Counterweight Slabs

Forks Only

	Load Center	Counterweight Extension in (mm)									
		0 (0)		12 (305)		24 (610)		36 (914)		48 (1220)	
	in (mm)	lb	kg	lb	kg	lb	kg	lb	kg	lb	kg
Capacity lb (kg)	36 (914)	22,000	(9970)	24,700	(11200)	27,300	(12380)	30,000	(13600)	32,700	(14800)
	48 (1220)	18,700	(8480)	20,900	(9480)	23,200	(10520)	25,500	(11560)	27,700	(12560)
	60 (1524)	16,200	(7340)	18,200	(8260)	20,100	(9110)	22,100	(10020)	24,100	(10930)
	72 (1830)	14,300	(6480)	16,100	(7300)	17,800	(8070)	19,500	(8840)	21,300	(9660)
	84 (2133)	12,800	(5800)	14,400	(6530)	15,900	(7210)	17,500	(7930)	19,100	(8660)

Boom Only

	Load Center	Counterweight Extension in (mm)									
		0 (0)		12 (305)		24 (610)		36 (914)		48 (1220)	
	in (mm)	lb	kg	lb	kg	lb	kg	lb	kg	lb	kg
Capacity lb (kg)	24 (610)	21,300	(9660)	23,900	(10840)	26,400	(11970)	29,000	(13150)	31,600	(14300)
	36 (914)	17,900	(8120)	20,000	(9070)	22,200	(10070)	24,400	(11060)	26,600	(12060)
	48 (1220)	15,300	(6940)	17,200	(7800)	19,100	(8660)	21,000	(9520)	22,900	(10380)
	60 (1524)	13,400	(6080)	15,100	(6840)	16,800	(7620)	18,400	(8800)	20,100	(9110)
	72 (1830)	12,000	(5440)	13,500	(6120)	15,000	(6800)	16,500	(7480)	18,000	(8160)
	78 (1981)	11,300	(5130)	12,800	(5800)	14,200	(6440)	15,600	(7070)	17,000	(7710)
	84 (2133)	10,800	(4890)	12,100	(5490)	13,500	(6120)	14,900	(6750)	16,200	(7340)
	90 (2286)	10,300	(4670)	11,600	(5260)	12,900	(5850)	14,200	(6440)	15,500	(7030)
	96 (2440)	9,800	(4450)	11,000	(4990)	12,300	(5580)	13,500	(6120)	14,800	(6710)
	102 (2590)	9,400	(4260)	10,600	(4800)	11,800	(5350)	12,900	(5850)	14,100	(6390)
	108 (2743)	9,000	(4080)	10,100	(4580)	11,300	(5120)	12,400	(5620)	13,600	(6160)
	114 (2895)	8,600	(3900)	9,700	(4400)	10,800	(4890)	11,900	(5390)	13,000	(5890)
	120 (3048)	8,300	(3760)	9,300	(4220)	10,400	(4710)	11,500	(5210)	12,500	(5700)

FR40/60

DERATE CAPACITIES

Capacity with 1 Counterweight Slabs

Forks Only

	Load Center	Counterweight Extension in (mm)									
		0 (0)		12 (305)		24 (610)		36 (914)		48 (1220)	
	in (mm)	lb	kg	lb	kg	lb	kg	lb	kg	lb	kg
Capacity lb (kg)	36 (914)	24,800	(11240)	27,800	(12600)	30,800	(13970)	33,800	(15330)	36,800	(16690)
	48 (1220)	21,000	(9520)	23,600	(10700)	26,100	(11830)	28,700	(13010)	31,200	(14150)
	60 (1524)	18,200	(8250)	20,500	(9290)	22,700	(10290)	24,900	(11290)	27,100	(12290)
	72 (1830)	16,100	(7300)	18,100	(8210)	20,000	(9070)	22,000	(9970)	24,000	(10880)
	84 (2133)	14,400	(6530)	16,200	(7340)	18,000	(8160)	19,700	(8930)	21,500	(9750)

Boom Only

	Load Center	Counterweight Extension in (mm)									
		0 (0)		12 (305)		24 (610)		36 (914)		48 (1220)	
	in (mm)	lb	kg	lb	kg	lb	kg	lb	kg	lb	kg
Capacity lb (kg)	24 (610)	24,000	(10880)	26,900	(12200)	29,800	(13500)	32,700	(14830)	35,600	(16100)
	36 (914)	20,100	(9110)	22,600	(10200)	25,000	(11330)	27,500	(12470)	30,000	(13600)
	48 (1220)	17,300	(7840)	19,500	(8840)	21,600	(9790)	23,700	(10750)	25,900	(11740)
	60 (1524)	15,200	(6890)	17,000	(7710)	18,900	(8570)	20,800	(9430)	22,700	(10290)
	72 (1830)	13,500	(6120)	15,200	(6890)	16,900	(7660)	18,600	(8430)	20,300	(9200)
	78 (1981)	12,800	(5800)	14,400	(6530)	16,000	(7250)	17,600	(7980)	19,200	(8700)
	84 (2133)	12,200	(5530)	13,700	(6210)	15,300	(6940)	16,800	(7620)	18,300	(8300)
	90 (2286)	11,600	(5260)	13,100	(5940)	14,500	(6570)	16,000	(7250)	17,500	(7930)
	96 (2440)	11,100	(5030)	12,500	(5670)	13,900	(6300)	15,300	(6940)	16,700	(7570)
	102 (2590)	10,600	(4800)	12,000	(5440)	13,300	(6030)	14,600	(6620)	16,000	(7250)
	108 (2743)	10,200	(4620)	11,500	(5210)	12,700	(5760)	14,000	(3650)	15,300	(6940)
	114 (2895)	9,800	(4440)	11,000	(4990)	12,200	(5530)	13,500	(6120)	14,700	(6660)
	120 (3048)	9,400	(4260)	10,600	(4800)	11,800	(5350)	13,000	(5890)	14,100	(6390)

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DERATE CAPACITIES

Capacity with 2 Counterweight Slabs

Forks Only

	Load Center	Counterweight Extension in (mm)									
		0 (0)		12 (305)		24 (610)		36 (914)		48 (1220)	
	in (mm)	lb	kg	lb	kg	lb	kg	lb	kg	lb	kg
Capacity lb (kg)	36 (914)	27,500	(12470)	30,900	(14010)	34,200	(15510)	37,600	(17050)	40,900	(18550)
	48 (1220)	23,400	(10600)	26,200	(11880)	29,100	(13200)	31,900	(14470)	34,700	(15740)
	60 (1524)	20,300	(9200)	22,800	(10340)	25,200	(11430)	27,700	(12560)	30,200	(13690)
	72 (1830)	17,900	(8110)	20,100	(9110)	22,300	(10110)	24,500	(11110)	26,700	(12110)
	84 (2133)	16,100	(7300)	18,000	(8160)	20,000	(9070)	21,900	(9930)	23,900	(10840)

Boom Only

	Load Center	Counterweight Extension in (mm)									
		0 (0)		12 (305)		24 (610)		36 (914)		48 (1220)	
	in (mm)	lb	kg	lb	kg	lb	kg	lb	kg	lb	kg
Capacity lb (kg)	24 (610)	26,600	(12060)	29,900	(13560)	33,100	(15010)	36,300	(16460)	39,500	(17910)
	36 (914)	22,400	(10160)	25,100	(11380)	27,900	(12650)	30,600	(13870)	33,300	(15100)
	48 (1220)	19,300	(8750)	21,700	(9840)	24,000	(10880)	26,400	(11970)	28,800	(13060)
	60 (1524)	16,900	(7660)	19,000	(8610)	21,100	(9520)	23,200	(10520)	25,300	(11470)
	72 (1830)	15,100	(6850)	17,000	(7710)	18,800	(8520)	20,700	(9380)	22,600	(10250)
	78 (1981)	14,300	(6480)	16,100	(7300)	17,900	(8120)	19,700	(8930)	21,400	(9700)
	84 (2133)	13,600	(6160)	15,300	(6940)	17,000	(7710)	18,700	(8480)	20,400	(9250)
	90 (2286)	13,000	(5890)	14,600	(6620)	16,200	(7340)	17,800	(8070)	19,500	(8840)
	96 (2440)	12,400	(5620)	13,900	(6300)	15,500	(7030)	17,000	(7710)	18,600	(8430)
	102 (2590)	18,900	(8570)	13,300	(6030)	14,800	(6710)	16,300	(7390)	17,800	(8070)
	108 (2743)	11,400	(5170)	12,800	(5800)	14,200	(6440)	15,600	(7070)	17,100	(7750)
	114 (2895)	10,900	(4940)	12,300	(5580)	13,700	(6210)	15,000	(6800)	16,400	(7430)
	120 (3048)	10,500	(4760)	11,800	(5350)	13,100	(5940)	14,500	(6570)	15,800	(7160)

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DERATE CAPACITIES

Capacity with 3 Counterweight Slabs

Forks Only

	Load Center	Counterweight Extension in (mm)									
		0 (0)		12 (305)		24 (610)		36 (914)		48 (1220)	
	in (mm)	lb	kg	lb	kg	lb	kg	lb	kg	lb	kg
Capacity lb (kg)	36 (914)	30,300	(13740)	34,000	(15420)	37,700	(17100)	41,400	(18780)	45,100	(20450)
	48 (1220)	25,700	(11650)	28,900	(13100)	32,000	(14510)	35,100	(15920)	38,200	(17320)
	60 (1524)	22,300	(10110)	25,100	(11380)	27,800	(12600)	30,500	(13830)	33,200	(15060)
	72 (1830)	19,700	(8930)	22,100	(10020)	24,500	(11110)	27,000	(12240)	29,400	(13330)
	84 (2133)	17,700	(8020)	19,800	(8980)	22,000	(9980)	24,100	(10930)	26,300	(11930)

Boom Only

	Load Center	Counterweight Extension in (mm)									
		0 (0)		12 (305)		24 (610)		36 (914)		48 (1220)	
	in (mm)	lb	kg	lb	kg	lb	kg	lb	kg	lb	kg
Capacity lb (kg)	24 (610)	29,300	(13290)	32,900	(14920)	36,400	(16510)	39,900	(18090)	43,500	(19730)
	36 (914)	24,700	(11200)	27,700	(12560)	30,700	(13920)	33,700	(15280)	36,700	(166640)
	48 (1220)	21,300	(9660)	23,900	(10840)	26,500	(12020)	29,100	(13200)	31,700	(14370)
	60 (1524)	18,600	(8430)	20,900	(9480)	23,300	(10560)	25,600	(11610)	27,900	(12650)
	72 (1830)	16,600	(7530)	18,700	(8480)	20,800	(9430)	22,800	(10340)	24,900	(11290)
	78 (1981)	15,800	(7160)	17,800	(8070)	19,700	(8930)	21,700	(9840)	23,600	(10700)
	84 (2133)	15,000	(6800)	16,900	(7660)	18,800	(8520)	20,600	(9340)	22,500	(10200)
	90 (2286)	14,300	(6480)	16,100	(7300)	17,900	(8120)	19,700	(8930)	21,500	(9750)
	96 (2440)	13,700	(6210)	15,400	(6980)	17,100	(7750)	18,800	(8520)	20,500	(9290)
	102 (2590)	13,100	(5940)	14,700	(6660)	16,400	(7430)	18,000	(8160)	19,600	(8890)
	108 (2743)	12,500	(5670)	14,100	(6390)	15,700	(7120)	17,300	(7840)	18,800	(8520)
	114 (2895)	12,000	(5440)	13,600	(6160)	15,100	(6850)	16,600	(7530)	18,100	(8210)
	120 (3048)	11,600	(5260)	13,000	(5890)	14,500	(6570)	16,000	(7250)	17,400	(7890)

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DERATE CAPACITIES

Capacity with 4 Counterweight Slabs

Forks Only

	Load Center	Counterweight Extension in (mm)									
		0 (0)		12 (305)		24 (610)		36 (914)		48 (1220)	
	in (mm)	lb	kg	lb	kg	lb	kg	lb	kg	lb	kg
Capacity lb (kg)	36 (914)	33,000	(14960)	37,100	(16820)	41,100	(18640)	45,200	(20500)	49,200	(22310)
	48 (1220)	28,100	(12740)	31,500	(14280)	34,900	(15830)	38,300	(17370)	41,700	(18910)
	60 (1524)	24,400	(11060)	27,400	(12420)	30,300	(13740)	33,300	(15100)	36,300	(16460)
	72 (1830)	21,600	(9790)	24,200	(10970)	26,800	(12150)	29,400	(13330)	32,000	(14510)
	84 (2133)	19,300	(8750)	21,700	(9840)	24,000	(10880)	26,400	(11970)	28,700	(13010)

Boom Only

	Load Center	Counterweight Extension in (mm)									
		0 (0)		12 (305)		24 (610)		36 (914)		48 (1220)	
	in (mm)	lb	kg	lb	kg	lb	kg	lb	kg	lb	kg
Capacity lb (kg)	24 (610)	32,000	(14510)	35,900	(16280)	39,700	(18000)	43,600	(19770)	47,500	(21540)
	36 (914)	26,900	(12200)	30,200	(13690)	33,500	(15190)	36,800	(16690)	40,100	(18190)
	48 (1220)	23,200	(10520)	26,100	(11830)	28,900	(13100)	31,800	(14420)	34,600	(15960)
	60 (1524)	20,400	(9250)	22,900	(10380)	25,400	(11520)	27,900	(12650)	30,500	(13830)
	72 (1830)	18,200	(8250)	20,500	(9290)	22,700	(10290)	25,000	(11340)	27,200	(12330)
	78 (1981)	17,300	(7840)	19,400	(8800)	21,600	(9790)	23,700	(10750)	25,800	(11700)
	84 (2133)	16,400	(7430)	18,500	(8390)	20,500	(9290)	22,600	(10250)	24,600	(11150)
	90 (2286)	15,700	(7120)	17,600	(7980)	19,600	(8890)	21,500	(9750)	23,500	(10660)
	96 (2440)	15,000	(6800)	16,800	(7620)	18,700	(8480)	20,600	(9340)	22,400	(10160)
	102 (2590)	14,300	(6480)	16,100	(7300)	17,900	(8120)	19,700	(8930)	21,500	(9750)
	108 (2743)	13,700	(6210)	15,400	(6980)	17,200	(7800)	18,900	(8570)	20,600	(9340)
	114 (2895)	13,200	(5980)	14,800	(6710)	16,500	(7480)	18,100	(8210)	19,800	(8980)
	120 (3048)	12,700	(5760)	14,300	(6480)	15,900	(7210)	17,500	(7930)	19,000	(8620)

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DERATE CAPACITIES

Capacity with 5 Counterweight Slabs

Forks Only

	Load Center	Counterweight Extension in (mm)									
		0 (0)		12 (305)		24 (610)		36 (914)		48 (1220)	
	in (mm)	lb	kg	lb	kg	lb	kg	lb	kg	lb	kg
Capacity lb (kg)	36 (914)	35,900	(16280)	40,200	(18230)	44,600	(20230)	49,000	(22220)	53,300	(24170)
	48 (1220)	30,400	(13780)	34,100	(15460)	37,800	(17140)	41,500	(18820)	45,300	(20540)
	60 (1524)	26,400	(11970)	29,700	(13470)	32,900	(14920)	36,100	(16370)	39,300	(17820)
	72 (1830)	23,400	(10610)	26,200	(11880)	29,000	(13150)	31,900	(14470)	34,700	(15740)
	84 (2133)	20,900	(9480)	23,500	(10660)	26,000	(11790)	28,600	(12970)	31,100	(14100)

Boom Only

	Load Center	Counterweight Extension in (mm)									
		0 (0)		12 (305)		24 (610)		36 (914)		48 (1220)	
	in (mm)	lb	kg	lb	kg	lb	kg	lb	kg	lb	kg
Capacity lb (kg)	24 (610)	34,700	(15730)	38,900	(17640)	43,000	(19500)	47,200	(21400)	51,400	(23310)
	36 (914)	29,200	(13240)	32,800	(14870)	36,300	(16460)	39,900	(18090)	43,400	(19680)
	48 (1220)	25,200	(11430)	28,300	(12830)	31,400	(14240)	34,500	(15640)	37,600	(17050)
	60 (1524)	22,100	(10020)	24,800	(11250)	27,600	(12520)	30,300	(13740)	33,000	(14970)
	72 (1830)	19,800	(8980)	22,200	(10070)	24,600	(11150)	27,100	(12290)	29,500	(13380)
	78 (1981)	18,700	(8480)	21,100	(9570)	23,400	(10610)	25,700	(11650)	28,000	(12700)
	84 (2133)	17,800	(8070)	20,100	(9110)	22,300	(10110)	24,500	(11110)	26,700	(12110)
	90 (2286)	17,000	(7710)	19,100	(8660)	21,200	(9610)	23,400	(10610)	25,500	(11560)
	96 (2440)	16,300	(7390)	18,300	(8300)	20,300	(9200)	22,300	(10110)	24,300	(11150)
	102 (2590)	15,600	(7070)	17,500	(7930)	19,400	(8800)	21,400	(9700)	23,300	(10560)
	108 (2743)	14,900	(6750)	16,800	(7620)	18,600	(8430)	20,500	(9290)	22,400	(10160)
	114 (2895)	14,300	(6480)	16,100	(7300)	17,900	(8120)	19,700	(8930)	21,500	(9750)
	120 (3048)	13,800	(6260)	15,500	(7030)	17,200	(7800)	19,000	(8610)	20,700	(9390)

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DERATE CAPACITIES

Capacity with 6 Counterweight Slabs

Forks Only

	Load Center	Counterweight Extension in (mm)									
		0 (0)		12 (305)		24 (610)		36 (914)		48 (1220)	
	in (mm)	lb	kg	lb	kg	lb	kg	lb	kg	lb	kg
Capacity lb (kg)	36 (914)	38,700	(17550)	43,400	(19680)	48,000	(21770)	52,700	(23900)	57,400	(26030)
	48 (1220)	32,800	(14870)	36,800	(16690)	40,800	(18500)	44,800	(20320)	48,800	(22130)
	60 (1524)	28,500	(12920)	32,000	(14510)	35,400	(16050)	38,900	(17640)	42,300	(19180)
	72 (1830)	25,200	(11430)	28,200	(12790)	31,300	(14190)	34,400	(15600)	37,400	(16960)
	84 (2133)	22,600	(10250)	25,300	(11470)	28,000	(12700)	30,800	(13970)	33,500	(15190)

Boom Only

	Load Center	Counterweight Extension in (mm)									
		0 (0)		12 (305)		24 (610)		36 (914)		48 (1220)	
	in (mm)	lb	kg	lb	kg	lb	kg	lb	kg	lb	kg
Capacity lb (kg)	24 (610)	37,300	(16910)	41,900	(19000)	46,400	(21040)	50,900	(23080)	55,400	(25130)
	36 (914)	31,500	(14280)	35,300	(16010)	39,100	(17730)	43,000	(19500)	46,800	(21220)
	48 (1220)	27,200	(12330)	30,500	(13830)	33,800	(15330)	37,200	(16870)	40,500	(18370)
	60 (1524)	23,900	(10840)	26,800	(12150)	29,700	(13470)	32,700	(14830)	35,600	(1640)
	72 (1830)	21,300	(9660)	23,900	(10840)	26,600	(12060)	29,200	(13240)	31,800	(14420)
	78 (1981)	20,200	(9160)	22,700	(10290)	25,200	(11430)	27,700	(12560)	30,200	(13690)
	84 (2133)	19,200	(8700)	21,600	(9790)	24,000	(10880)	26,400	(11970)	28,800	(13060)
	90 (2286)	18,400	(8340)	20,600	(9340)	22,900	(10380)	25,200	(11430)	27,500	(12470)
	96 (2440)	17,500	(7930)	19,700	(8930)	21,900	(9930)	24,100	(10930)	26,300	(11930)
	102 (2590)	16,800	(7620)	18,900	(8570)	21,000	(9520)	23,100	(10470)	25,100	(11380)
	108 (2743)	16,100	(7300)	18,100	(8210)	20,100	(9110)	22,100	(10020)	24,100	(10930)
	114 (2895)	15,500	(7030)	17,400	(7890)	19,300	(8750)	21,300	(9660)	23,200	(10520)
	120 (3048)	14,900	(6750)	16,700	(7570)	18,600	(8430)	20,500	(9290)	22,300	(10110)

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DERATE CAPACITIES

Capacity with 7 Counterweight Slabs

Forks Only

	Load Center	Counterweight Extension in (mm)									
		0 (0)		12 (305)		24 (610)		36 (914)		48 (1220)	
	in (mm)	lb	kg	lb	kg	lb	kg	lb	kg	lb	kg
Capacity lb (kg)	36* (914)	41,400	(18770)	46,500	(21090)	51,500	(23360)	56,500	(25620)	61,600	(27940)
	48 (1220)	35,200	(15960)	39,400	(17870)	43,700	(19820)	48,000	(21770)	52,300	(23720)
	60 (1524)	30,500	(13830)	34,300	(15550)	38,000	(17230)	41,700	(18910)	45,400	(20590)
	72 (1830)	27,000	(12240)	30,300	(13740)	33,600	(15240)	36,800	(16690)	40,100	(18190)
	84 (2133)	24,000	(10880)	27,100	(12290)	30,100	(13650)	33,000	(14960)	35,900	(16280)

*Shaded box notes base capacity

Boom Only

	Load Center	Counterweight Extension in (mm)									
		0 (0)		12 (305)		24 (610)		36 (914)		48 (1220)	
	in (mm)	lb	kg	lb	kg	lb	kg	lb	kg	lb	kg
Capacity lb (kg)	24 (610)	40,000	(18140)	44,800	(20320)	49,700	(22540)	54,500	(24720)	59,400	(26940)
	36 (914)	33,700	(15280)	37,900	(17190)	42,000	(19050)	46,100	(20910)	50,200	(22770)
	48 (1220)	29,100	(13200)	32,700	(14830)	36,300	(16460)	39,800	(18050)	43,400	(19680)
	60 (1524)	25,600	(11610)	28,800	(13060)	31,900	(14470)	35,100	(15920)	38,200	(17320)
	72 (1830)	22,900	(10380)	25,700	(11650)	28,500	(12920)	31,300	(14190)	34,200	(15510)
	78 (1981)	21,700	(9840)	24,400	(11060)	27,100	(12290)	29,800	(13510)	32,400	(14690)
	84 (2133)	20,700	(9390)	23,200	(10520)	25,800	(11700)	28,300	(12830)	30,900	(14010)
	90 (2286)	19,700	(8930)	22,100	(10020)	24,600	(11150)	27,000	(12240)	29,500	(13380)
	96 (2440)	18,800	(8520)	21,200	(9610)	23,500	(10660)	25,800	(11700)	28,200	(12790)
	102 (2590)	18,000	(8160)	20,300	(9200)	22,500	(10200)	24,700	(11200)	27,000	(12240)
	108 (2743)	17,300	(7840)	19,400	(8800)	21,600	(9790)	23,700	(10750)	25,900	(11740)
	114 (2895)	16,600	(7520)	18,700	(8480)	20,700	(9390)	22,800	(10340)	24,900	(11290)
	120 (3048)	16,000	(7250)	18,000	(8160)	20,000	(9070)	22,000	(9980)	23,900	(10840)