

# Light-Duty And Heavy-Duty Walkie Stackers

Capacity: 2,200-3,500 lb



# Quality



Our light-duty and heavy-duty walkie stackers are equipped with several value-added premium features delivered to you as standard equipment.

## Quality Construction

A multi-functional, low-hinged control handle helps reduce operator fatigue during lift, lower and travel, ensuring a secure and comfortable distance between the operator and the truck. Our heavy-duty walkie stackers feature fingertip controls on the handle that allow a great range of lift and lower speeds and an easy thumbwheel for travel speed. The light-duty walkie stackers offer dependable, single-speed control for predictable performance. Each model is equipped with a mast that provides excellent visibility for all applications.

Model	Type	Base Capacity At 24 in. Load Center (lb)
SF2200	Fork-Over / Light-Duty	2,200
SS2200	Straddle / Light-Duty	2,200
SS3000	Straddle / Heavy-Duty	3,000
SS3500	Straddle / Heavy-Duty	3,500

To improve their versatility, some models feature an adjustable baseleg design, which enables them to securely handle a wide variety of pallet sizes. Several value-added standard features include:

- Multi-functional ergonomic control handle
- Offset low-hinged handle
- Crawl speed button (heavy-duty walkies)
- Single speed lift and lower control (light-duty walkies)
- Variable speed lift and lower control (heavy-duty walkies)
- Key switch
- Excellent visibility around narrow channel mast
- Advanced regenerative braking
- Drive control with electric braking
- Adjustable baselegs
- Single-level access to components

# Reliability



## Versatile Light-Duty Walkie Stackers

The light-duty straddle-style walkie stacker is available with either a 26 inch or 21 inch overall fork width and is ideal for applications requiring repetitive stacking of up to 2,200 lbs at a single level. The light-duty fork-over stacker is ideal for skid, cart or work-table applications, with forks extending over the baselegs for maximum maneuverability. Both light-duty walkie stackers include premium features, such as Vulkollan® drive and load wheels for long tire life and added value.

Model	Type	Fork Heights (in)
SF2200	Fork-Over / Light-Duty	65.0 / 81.0
SS2200	Straddle / Light-Duty	65.0 / 81.0

## Rugged Heavy-Duty Walkie Stackers

A separately excited drive motor and matching controller allow the system to automatically match torque and speed to the application at hand for optimum efficiency and extended battery life. Whether loaded or unloaded, these trucks maintain their maximum programmed speed throughout the work shift. Additional high-performance features, such as roll-back protection and advanced regenerative braking, further increase the efficiency of these highly-maneuverable vehicles.

Model	Type	Fork Heights (in)
SS3000	Straddle / Heavy-Duty	116-212
SS3500	Straddle / Heavy-Duty	112-208

## Dependable, By Design

Both the light and heavy-duty walkie stackers are designed for reliable performance and are virtually maintenance free. With control handle switches rated for at least one million cycles and top quality sealed wiring harness connections, these vehicles will perform reliably, hour after hour.

Additional value-added features include:

- Chassis and lift assembly durability tested at rated loads
- Full capacity retained to over 157 inches at 24 inch load center
- Rugged torsion-resistant steel construction
- Separately excited drive motor and matched controller
- Two 12-volt, 60AH maintenance free batteries (light-duty walkies)
- On-board battery charging system (light-duty walkies)
- Design features to protect battery cables
- Advanced regenerative braking
- Roll-back protection

# Customer Service



Cat Lift Trucks is committed to providing industry-leading customer service, delivered by experienced and reliable material handling dealers. We put customer needs first, with the most comprehensive customer support programs.

## Dealers You Can Depend On

With hundreds of dealer locations throughout North and South America, Cat lift truck dealers provide more than lift trucks. From flexible financing options, parts, service and product support, our dealers are unsurpassed, delivering superior customer service that sets us apart from the competition—before, during and after the sale.

Our dealers make available leading support programs with every new Cat lift truck you purchase, including:

- Genuine Cat lift truck OEM parts
- Planned Maintenance
- Total maintenance and repair
- Promatch® parts for all brands of lift trucks
- Rental fleet availability
- Convenient dealer branch locations

## Flexible Financing Options

Financing your next Cat lift truck is easy with our wide range of flexible leasing and purchasing options. Our industry-leading financing support can include:

- 12-Month interest free financing program
- 90-Day delayed payment program
- Factory subsidized lease rates
- Payment terms from 12-76 months
- Extended term, skip payment and early termination leases

Whether you want to finance or lease, your local Cat lift truck dealer can help customize a package tailored to your specific needs.

## Best Warranty In The Industry

We stand behind our products, giving you peace of mind by helping your trucks stay on the job, day after day. Every new Cat lift truck is covered by a two year unlimited hours warranty that includes parts and labor regardless of service hours. All components and systems, including hydraulic, electrical, cooling, brake, fuel, steering, exhaust, mast and operator controls are covered. Combined with our standard 3 year / 6,000 hour extended powertrain warranty, you'll have confidence and peace of mind that only comes from owning a Cat lift truck.

## First Planned Maintenance Free

Proper maintenance of your truck helps assure top performance over the long haul and helps extend truck longevity. That's why every Cat lift truck is backed by experienced and reliable dealers who make sure your truck is properly maintained. You'll experience this first hand because every new Cat lift truck gets its first planned maintenance completed by your local Cat lift truck dealer free of charge.



## Parts Fast Or Parts Free Guarantee

This program ensures next-business-day delivery of parts for all brands of lift trucks, or they are free, including freight. We've made this guarantee available specifically to the owner or primary user of any brand of lift truck to substantiate our pledge.

Orders must be placed through your local dealer by 5:00 p.m. Eastern Standard Time, and you must advise the dealer at the time of order that the part is to be expedited under the terms of the guarantee. If your part doesn't come in by the next business day, we pay for it. It's as simple as that.

There are some exclusions including parts over 100 lbs and paint, chemicals or lubricants that require special handling. Ask your dealer for a full list of terms and conditions for the Parts Fast or Parts Free Guarantee.

## Free Loaner Service Guarantee

If your lift truck is not repaired right the first time or within the quoted time, you can receive a free loaner truck until the repair is completed. This guarantee covers a wide range of lift truck makes and models. Ask your dealer for complete "Terms and Conditions" of this guarantee.

# Specifications

Characteristics				SF2200		SS2200		SS3000		SS3500			
2	Type			walkie fork-over stacker		walkie straddle stacker		walkie straddle stacker		walkie straddle stacker			
3	Operator position			walk		walk		walk		walk			
4	Capacity	at rated load center	lb	kg	2,200	1,000	2,200	1,000	3,000	1,400	3,500	1,600	
		at load center - distance	in	mm	24	610	24	610	24	610	24	610	
6	Power	diesel, gasoline, LP gas, electric		electric		electric		electric		electric			
7	Tire type	load/drive		polyurethane		polyurethane		polyurethane		polyurethane			
8	Wheels	number front / rear (x=driven)		2 / 1x + 2 casters		2 / 1x + 2 casters		4 / 1x + 2 casters		4 / 1x + 2 casters			
Dimensions				SF2200		SS2200		SS3000		SS3500			
9	Lift	maximum fork height with rated load	in	mm	65 / 1,650	81 / 2,060	65 / 1,650	81 / 2,060	161	4,100	157	4,000	
10		maximum fork height	in	mm	65 / 1,650	81 / 2,060	65 / 1,650	81 / 2,060	see chart		see chart		
11		free fork height	in	mm	60 / 1,527	78 / 1,977	60 / 1,527	78 / 1,977	see chart		see chart		
13	Forks	thickness	in	mm	2.4	60.0	2.4	60.0	1.6	40.0	1.6	40.0	
		width (out-to-out)	in	21.3		21.3	26.0	12.4	27.4	12.4	27.4		
			mm	540		540	660	316	697	316	697		
14	length <sup>(1)</sup>	in	46.0		46.0		41.5		41.5				
		mm	1,175		1,175		1,050		1,050				
15	Wheel base	standard	in	46.0		46.0		55.5		55.5			
			mm	1,170		1,170		1,409		1,409			
16	Minimum outside turning radius <sup>(2)</sup>	in	55.0		55.0		64.0		64.0				
		mm	1,405		1,405		1,629		1,629				
17	Overall dimensions	length to fork tip <sup>(3)</sup>	in	mm	67.0	1,695	67.0	1,695	77.0	1,950	77.0	1,950	
18		width	chassis	in	mm	31.5	800	31.5	800	31.5	800	31.5	800
			baselegs <sup>(4)</sup>	in	mm	-	-	46.0 - 57.9	1,170 - 1,470	44.1 - 61.7	1,120 - 1,570	44.1 - 61.7	1,120 - 1,570
			baseleg opening (BLO) <sup>(4)</sup>	in	mm	-	-	38.2 - 50.0	970 - 1,270	35.4 - 53.1	900 - 1,350	35.4 - 53.1	900 - 1,350
21		height	with lowered mast	in	mm	78.0	1,970	78.0	1,970	see chart		see chart	
22			power unit	in	mm	28.0	700	28.0	700	35.0	891	35.0	891
23	handle, raised		in	mm	50.0	1,262	50.0	1,262	51.5	1,305	51.5	1,305	
24	Battery	length x width x height <sup>(5)</sup>	in	10.9 x 6.9 x 7.5		10.9 x 6.9 x 7.5		28.2 x 11.0 x 23.6		28.2 x 11.0 x 23.6			
			mm	278 x 175 x 190		278 x 175 x 190		770 x 280 x 600		770 x 280 x 600			
Performance				SF2200		SS2200		SS3000		SS3500			
25	Speeds	travel speed loaded/empty	mph	km/h	2.2 / 2.5	3.5 / 4.0	2.2 / 2.5	3.5 / 4.0	3.7 / 3.7	6.0 / 6.0	3.7 / 3.7	6.0 / 6.0	
26		lift speed loaded/empty	fpm	m/s	15.7 / 21.7	0.08 / 0.11	15.7 / 21.7	0.08 / 0.11	29.5 / 45.3	0.15 / 0.23	27.6 / 45.3	0.14 / 0.23	
27		lowering speed loaded/empty	fpm	m/s	39.4 / 13.8	0.20 / 0.07	39.4 / 13.8	0.20 / 0.07	78.5 / 78.5	0.4 / 0.4	78.5 / 78.5	0.4 / 0.4	
28	Gradeability	loaded at 1 mph (1.6 km/h)			3.6		3.6		8.0		7.0		
29		maximum			10.0		10.0		16.0		16.0		
Weight				SF2200		SS2200		SS3000		SS3500			
30	Empty	empty with minimum battery <sup>(6)</sup>	lb	kg	950	430	1,230	560	2,350	1,066	2,430	1,101	
31	Axle load	with rated load - front	lb	kg	1,060	480	1,170	530	3,680	1,670	4,030	1,830	
32		with rated load - rear <sup>(7)</sup>	lb	kg	2,090	950	2,270	1,030	1,740	790	1,920	870	
33		without load - front	lb	kg	710	320	900	410	790	360	820	370	
34		without load - rear	lb	kg	240	110	330	150	1,570	710	1,610	730	
Chassis				SF2200		SS2200		SS3000		SS3500			
35	Ground clearance	at lowest point @ mast	in	mm	1.2	30.0	1.2	30.0	1.2	30.0	1.2	30.0	
36		bumper	in	mm	1.6	40.0	1.6	40.0	1.4	35.0	1.4	35.0	
37	Tire size	front - drive wheels	in	mm	9.1 x 3.1	230 x 80.0	9.1 x 3.1	230 x 80.0	9.1 x 2.8	230 x 70.0	9.1 x 2.8	230 x 70.0	
38		rear - load wheels	in	mm	3.3 x 2.8	85.0 x 70.0	3.3 x 2.8	85.0 x 70.0	3.3 x 3.3	85.0 x 85.0	3.3 x 3.3	85.0 x 85.0	
39		casters	in	mm	5.9 x 2.0	150 x 50.0	5.9 x 2.0	150 x 50.0	5.5 x 2.1	140 x 54.0	5.5 x 2.1	140 x 54.0	
40	Brakes	service			electric		electric		electric		electric		
41		parking			electro-magnetic		electro-magnetic		electro-magnetic		electro-magnetic		
Powertrain				SF2200		SS2200		SS3000		SS3500			
42	Battery	type <sup>(8)</sup>			maintenance free		maintenance free		lead acid		lead acid		
43		voltage/capacity	volts	AH	2 x 12 / 60		2 x 12 / 60		24		24		
44		weight, minimum	lb	kg	101	46.0	101	46.0	510	231	510	231	
45	Motors	traction motor output 24V (60 minute rating)	HP	kW	0.5	0.35	0.5	0.35	1.7	1.3	2.0	1.5	
46		lift motor output 24V (loaded/empty)	HP	kW	1.3 / 1.3	1.0 / 1.0	1.3 / 1.3	1.0 / 1.0	4.0	3.0	4.0	3.0	
47	Controls	drive	type	speed	infinitely variable		infinitely variable		infinitely variable		infinitely variable		
48		hydraulic	type	speed	contactor / single speed		contactor / single speed		proportional		proportional		

<sup>(1)</sup> Other fork lengths available. (SS3000 and SS3500 only)

<sup>(2)</sup> Add 6-12 inches for ease of maneuvering.

<sup>(3)</sup> For other fork lengths add 35.4 in (900 mm) to actual fork length. (SS3000 and SS3500 only)

<sup>(4)</sup> Overall width of baselegs and BLO are adjustable in 2 in. (50 mm) increments.

<sup>(5)</sup> Unit includes two batteries, each with these dimensions. (SF2200 and SS2200 only)

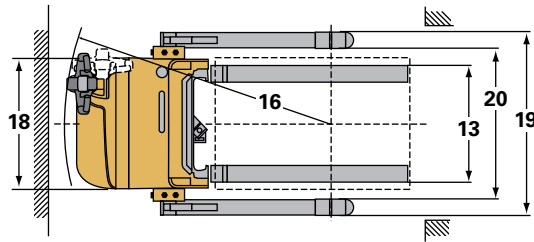
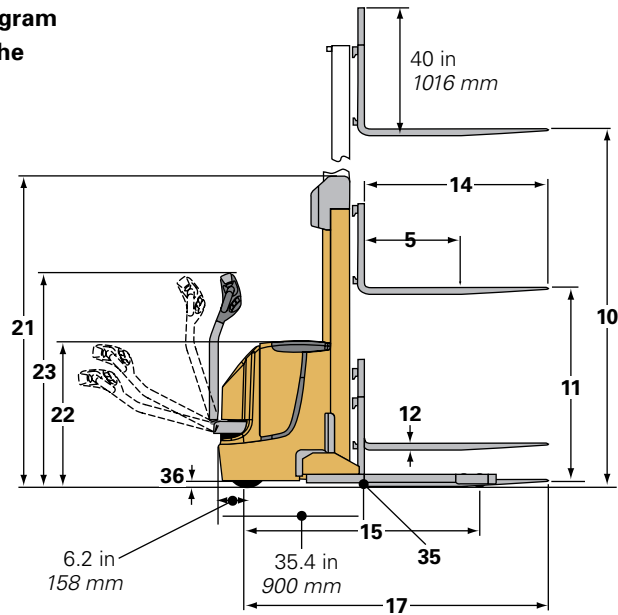
<sup>(6)</sup> Battery compartment includes spacer to accommodate smaller battery. (SS3000 and SS3500 only)

<sup>(7)</sup> 75 in. (1900 mm) OALH Simplex mast. (SS3000 and SS3500 only)

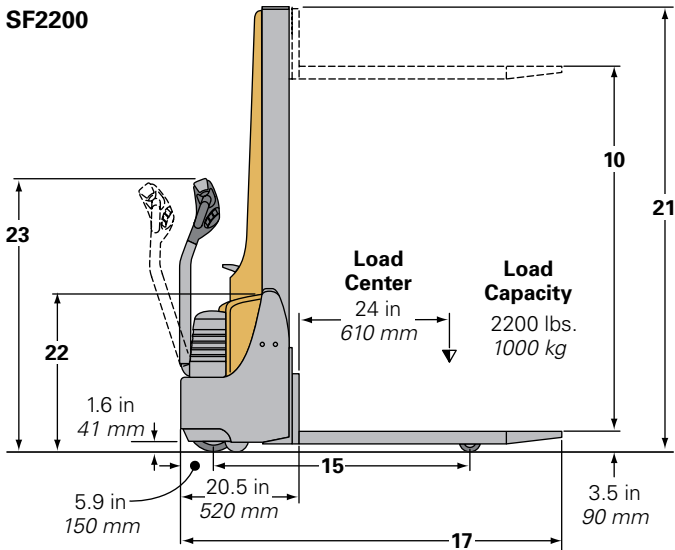
<sup>(8)</sup> Connector SB 175 grey, lead location A, length = 12 in. (305 mm). (SS3000 and SS3500 only)

Call-out numbers shown in the diagram correspond to the first column of the specifications chart.

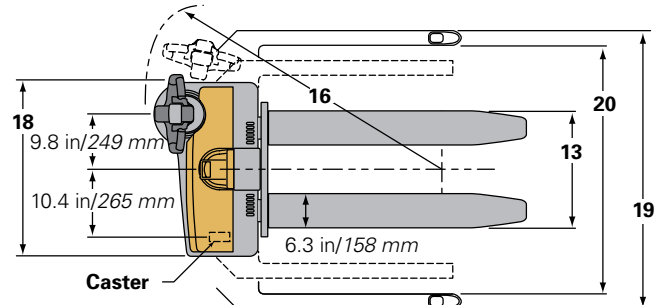
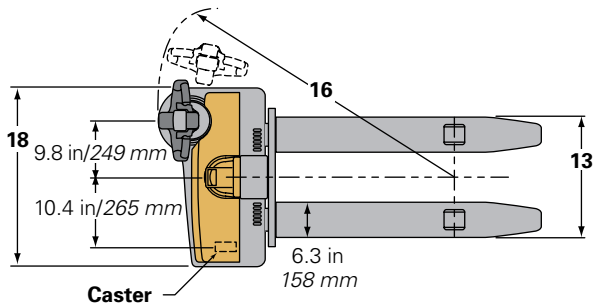
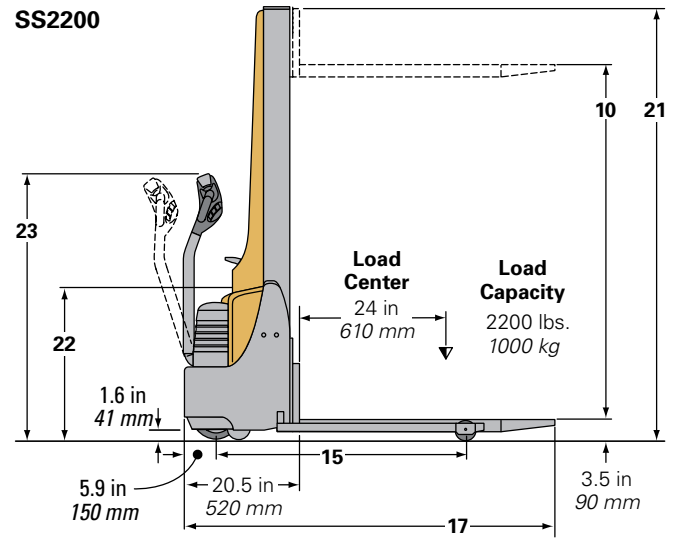
**SS3000/SS3500**



**SF2200**



**SS2200**



**NOTE:** These specifications assume the use of drive axles, tires and tilt angles specified. Any modification to specifications, or any other combination of specifications made after the shipment of the truck, requires prior written approval from Mitsubishi Caterpillar Forklift America Inc. ("MCFA"). (See ANSI/ITSDF B56.1) Also advised that overall operating visibility may be affected by the mast configuration and mast options of your truck. Therefore, you may need to add ancillary [auxiliary] devices or modify your operating practices. Consult your dealer for further information.

Model	Maximum Fork Height		Overall Lowered Height		Overall Extended Height		Free Lift	
	in	mm	in	mm	in	mm	in	mm
SS3000	116	2,942	75.0	1,900	156	3,958	0	0
	143	3,642	89.0	2,250	183	4,658	0	0
	163	4,142	99.0	2,500	203	5,158	0	0
	143	3,642	89.0	2,250	183	4,658	48.5	1,234
	171	4,342	75.0	1,900	211	5,358	35.0	884
	212	5,392	89.0	2,250	252	6,408	48.5	1,234

Model	Maximum Fork Height		Overall Lowered Height		Overall Extended Height		Free Lift	
	in	mm	in	mm	in	mm	in	mm
SS3500	112	2,842	75.0	1,900	152	3,858	0	0
	139	3,542	89.0	2,250	179	4,558	0	0
	159	4,042	99.0	2,500	199	5,058	0	0
	139	3,542	89.0	2,250	179	4,558	48.5	1,234
	167	4,242	75.0	1,900	207	5,258	35.0	884
	208	5,292	89.0	2,250	248	6,308	48.5	1,234

Aisle Requirements For Right Angle Stacking		SS3000						
		Load Length						
		in	mm	in	mm	in	mm	
Load Width	in	mm	40.0	1,016	42.0	1,067	48.0	1,219
	30.0	762	88.0	2,213	88.0	2,222	92.0	2,334
	36.0	914	88.0	2,231	89.0	2,237	92.0	2,346
	40.0	1,016	90.0	2,281	90.0	2,281	94.0	2,380
	42.0	1,067	91.0	2,305	91.0	2,305	94.0	2,397
	48.0	1,219	94.0	2,379	94.0	2,379	97.0	2,452

Aisle Requirements For Right Angle Stacking		SS2200				
		Load Length				
		in	mm	in	mm	
Load Width	in	mm	42.0	1,067	48.0	1,219
	30.0	762	79.0	1,998	79.0	1,998
	36.0	914	79.0	1,998	80.0	2,032
	40.0	1,016	81.0	2,048	82.0	2,070
	42.0	1,067	82.0	2,077	83.0	2,090
	48.0	1,219	84.0	2,127	85.0	2,150

Add 6-12 in. (152-305 mm) for easy maneuvering

Add 6-12 in. (152-305 mm) for easy maneuvering

Aisle Requirements For Right Angle Stacking		SF2200				
		Load Length				
		in	mm	in	mm	
Load Width	in	mm	42.0	1,067	48.0	1,219
	30.0	762	75.0	1,888	78.0	1,979
	36.0	914	77.0	1,950	80.0	2,032
	40.0	1,016	79.0	1,993	81.0	2,070
	42.0	1,067	80.0	2,016	82.0	2,090
	48.0	1,219	83.0	2,083	85.0	2,150

Add 6-12 in. (152-305 mm) for easy maneuvering

Aisle Requirements For Right Angle Stacking		SS3500						
		Load Length						
		in	mm	in	mm	in	mm	
Load Width	in	mm	40.0	1,016	42.0	1,067	48.0	1,219
	30.0	762	88.0	2,213	88.0	2,222	92.0	2,334
	36.0	914	88.0	2,231	89.0	2,237	92.0	2,346
	40.0	1,016	90.0	2,281	90.0	2,281	94.0	2,380
	42.0	1,067	91.0	2,305	91.0	2,305	94.0	2,397
	48.0	1,219	94.0	2,379	94.0	2,379	97.0	2,452

Add 6-12 in. (152-305 mm) for easy maneuvering

## Safety Standards

These trucks meet American National Standards Institute/Industrial Truck Standards Development Foundation, ANSI/ITSDF B56.1.

Users should be aware of, and adhere to, applicable codes and regulations regarding operator training, use, operation and maintenance of powered industrial trucks, including:

- ANSI/ITSDF B56.1.
- NFPA 505, fire safety standard for powered industrial trucks - type designations, areas of use, maintenance and operation.
- Occupational Safety and Health Administration (OSHA) regulations that may apply.

Contact your Cat lift truck dealer for further information including operator training programs, auxiliary visual and audible warning systems, etc., as available for specific user applications and requirements.

Specifications, equipment, technical data, photos and illustrations based on information at time of printing and subject to change without notice. Some products may be shown with optional equipment.

**NOTE:** These specifications assume the use of drive axles, wheels and tilt angles specified. Any modification to specifications, or any other combination of specifications made after the shipment of the truck, requires prior written approval from Mitsubishi Caterpillar Forklift America Inc. ("MCFA"). Consult your dealer for further information.



## Ask For A Demonstration

The advantages of our light-duty and heavy-duty walkie stackers become obvious with a demonstration. See strong proof that Cat® lift trucks and your Cat lift truck dealer can offer you more productivity-driven benefits for a strong return on your equipment investment. Call for an appointment today.





**Quality**

**Reliability**

**Customer Service**

Experienced professionals at our dealerships and on our National Accounts Team can assist you with your lift truck purchase or lease. Your Cat lift truck dealer can provide options and additional visual and audible warning devices geared toward your specific requirements. Operator training programs are also available to boost productivity and to help reduce the potential for product damage and personal injury.



## Light-Duty And Heavy-Duty Walkie Stackers

Capacity: 2,200-3,500 lb

**CAT**® Lift Trucks

Copyright © 2008 by MCFA. All rights reserved. CAT, CATERPILLAR, their respective logos, "Caterpillar Yellow" and the POWER EDGE trade dress, as well as corporate and product identity used herein, are trademarks of Caterpillar and may not be used without permission. All registered trademarks are the property of their respective owners. Some products may be shown with optional equipment. Printed in U.S.A.

CECN0017

02/08

**1-800-CAT-LIFT**

**www.cat-lift.com**