



3,000–7,000 lb Capacity, N Generation

Gas, LP Gas, And Diesel Pneumatic Tire Forklifts



**Ready. Reliable.  
Right On The Money.**

Manufactured with superior quality and exceptional value, Mitsubishi forklift trucks are equipped with extensive dealer and field support including a convenient equipment rental program, dealership locations throughout North America and South America, flexible financing options, and parts distribution centers conveniently located across the U.S.A.

**Compact. Comfortable. Cool.**





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Model	Fuel Type	Rated Capacity*	Engine Displacement
			(liters) Standard / Optional
FG15N	Gas / LPG	3000 lb	2.1 / –
FG18N	Gas / LPG	3500 lb	2.1 / –
FG20CN	Gas / LPG	4000 lb	2.1 / –
FG20N	Gas / LPG	4000 lb	2.1 / 2.5
FD20N	Diesel	4000 lb	3.3 / –
FG25N	Gas / LPG	5000 lb	2.1 / 2.5
FD25N	Diesel	5000 lb	3.3 / –
FG28N	Gas / LPG	5500 lb	2.5 / –
FD28N	Diesel	5500 lb	3.3 / –
FG30N	Gas / LPG	6000 lb	2.5 / –
FD30N	Diesel	6000 lb	3.3 / –
FG33N	Gas / LPG	6500 lb	2.5 / –
FD33N	Diesel	6500 lb	3.3 / –
FG35N	Gas / LPG	7000 lb	2.5 / –
FD35N	Diesel	7000 lb	3.3 / –

\*at 24 inch load center

## The Right Forklift For Your Application

The 3,000-7,000 lb capacity N Generation pneumatic tire Mitsubishi forklift trucks are everything you've been looking for, and more. From manufacturing to logistics and everything in between – these N Generation forklift trucks are Ready. Reliable. Right On The Money.

Each of the models exceeds stringent Environmental Protection Agency (EPA) standards for reducing carbon monoxide (CO), hydrocarbons (HC), and nitrogen oxides (NOx) emissions. Extended 500-hour service intervals reduce your life-cycle costs while maximizing your uptime.





## On Board

Easy entry and exit from either side of the forklift truck, using the open-step frame, helps reduce fatigue for your operators. A convenient grab bar on the left side of the compartment promotes a solid grip. The comfortable, thick floor mat offers excellent traction and the hip restraint provides a third brace point for easy operator entry and exit.



## Just Your Size

Tilt steering offers infinite adjustability within a 12-degree range of movement. A separate lever moves the column fully forward to provide easy access to the engine compartment. The memory recall feature will automatically return the column to your operator's preferred position.





## Productive

Conveniently positioned hydraulic controls allow your operator to slide a hand easily from the steering wheel to the appropriate lever. The levers are configured in an arc, following the natural motion of the operator's right arm to minimize fatigue and optimize productivity.



Ready





## Seeing All-Around

Any way you look at it, this truck's mast design helps promote operator visibility and efficiency while providing the stability and load support you need. The mast channels are narrow, the cylinders well-positioned, and the chains and hoses tucked out of the way. A square fork-bar design and the elimination of cross bars in the overhead guard improve visibility while optimizing strength.

## Working for You

An optional integral side shifter improves lifting capacity by positioning the load closer to the body of the forklift truck. This option also provides excellent cylinder protection and improved visibility, in comparison with conventional hang-on side shifters.





## Another Great Idea

Changing LP tanks has never been easier. A convenient, optional, swing-down bracket reduces operator effort while increasing productivity. A heavy duty gas cylinder helps to balance the weight of the LP tank and controls movement in both directions, ensuring near effortless operation.



## Built With Quality

Manufacturing these robust frames is achieved with final welds performed by robots for consistent quality and strength. These N Generation pneumatic tire forklift trucks are built using ISO 9001:2000-certified, independently audited manufacturing processes.





Gasoline and diesel engines include analog fuel gauge.



## On The Alert

A comprehensive engine system monitors engine oil pressure and coolant temperature, limiting engine RPMs if either reaches critical levels. The instrument panel mounts to the tilt column at an optimum viewing angle to promote shift-long monitoring of critical truck functions. Convenient features include a digital hour meter and fuel-level indicator.

## Smart Thinking

Innovative truck and fuel management systems automate a wide-range of functions, ensuring consistent performance that optimizes efficiency and productivity.





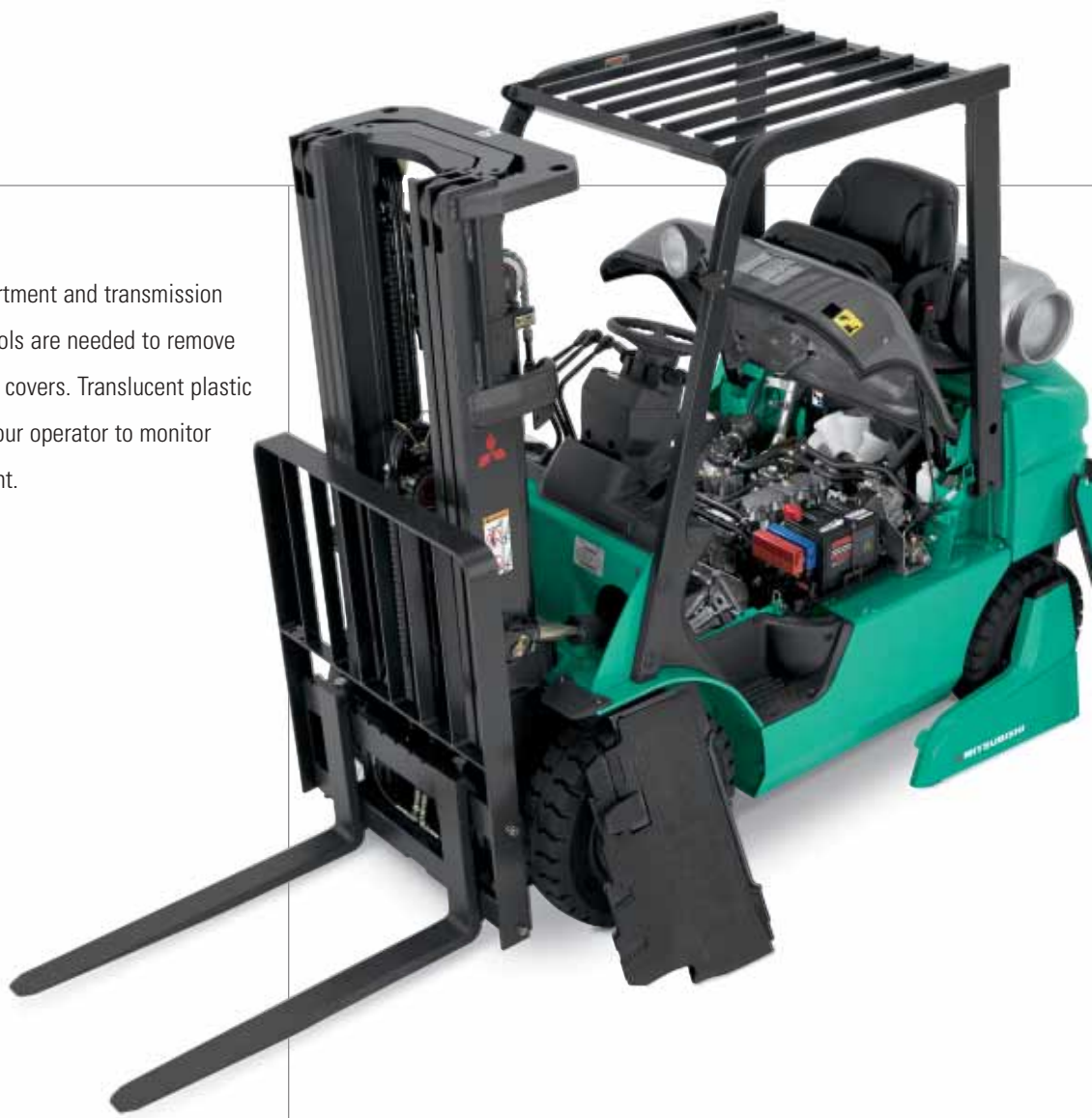
## Cool

These forklifts can take the heat. The standard cooling system includes a corrugated-type aluminum radiator core with a cross-flow design and a pusher-style fan. Optional equipment, such as a radiator screen or high pass-through, plate-fin radiator help equip your truck for high-cycle applications.



## Easy Access

Getting to the engine compartment and transmission has never been easier. No tools are needed to remove the floor plate and steel side covers. Translucent plastic reservoirs make it easy for your operator to monitor brake fluid and engine coolant.



## Intelligence

An intelligent system prevents the transmission and hydraulic functions from performing when your operator is not properly seated. A Mast Interlock Lamp on the instrument panel alerts the operator that the system has been activated. The hydraulic and drive functions can be reactivated easily, once the operator is in the seat.



## Proactive

An on-board diagnostic system stores error codes for accurate troubleshooting and less downtime.

## Eco-Friendly Design

Our new generation enviro<sup>O<sub>2</sub></sup> engines™ ensure eco-friendly performance while optimizing efficient operation. With a fuel system that exceeds EPA requirements for reduced emissions, these engines deliver consistent, reliable performance while bolstering fuel economy and delivering tamper-proof fuel management.

## Great Warranty Protection

Along with the transmission and drive-axle components, all engines are covered by a 2-year/4,000-hour limited warranty.





SPECIFICATIONS

CHARACTERISTICS			FG15N		FG18N		FG20CN		FG20N		FG20N-HO		FD20N		FG25N		FG25N-HO		FD25N		FG28N		FD28N		FG30N		FD30N		FG33N		FD33N		FG35N		FD35N					
1	Capacity	at rated load center	lb	kg	3000	1500	3500	1750	4000	2000			4000	2000	4000	2000	4000	2000	5000	2500	5000	2500			5500	2800	5500	2800	6000	3000	6000	3000	6500	3300	6500	3300	7000	3500	7000	3500
2		at load center – distance	in	mm	24	500	24	500	24	500			24	500	24	500	24	500	24	500	24	500	24	500	24	500	24	500	24	500	24	500	24	500	24	500	24	500		
3	Power	electric, diesel, gasoline, LP gas	gasoline/LP gas		gasoline/LP gas		gasoline/LP gas		gasoline/LP gas				gasoline/LP gas		gasoline/LP gas		diesel		gasoline/LP gas		gasoline/LP gas		diesel		gasoline/LP gas		diesel		gasoline/LP gas		diesel		gasoline/LP gas		diesel					
4	Tire type	cushion, pneumatic	pneumatic		pneumatic		pneumatic		pneumatic				pneumatic		pneumatic		pneumatic		pneumatic		pneumatic		pneumatic		pneumatic		pneumatic		pneumatic		pneumatic		pneumatic		pneumatic					
5	Wheels (x=driven)	number front / rear	2x / 2		2x / 2		2x / 2		2x / 2				2x / 2		2x / 2		2x / 2		2x / 2		2x / 2		2x / 2		2x / 2		2x / 2		2x / 2		2x / 2		2x / 2		2x / 2					
DIMENSIONS																																								
10	Lift	maximum fork height with rated load	in	mm	162	4120	162	4120	162	4130			162	4140	162	4140	162	4140	162	4140	162	4140			178	4540	178	4540	171	4360	171	4360	179	4550	179	4550	179	4550		
11	Lift with standard	maximum fork height	in	mm	130	3320	130	3320	131	3330			131	3340	131	3340	131	3340	131	3340	131	3340			130	3310	130	3310	130	3310	131	3350	131	3350	131	3350				
12	two-stage mast	free fork height	in	mm	4.5	115	4.5	115	4.5	115			5.5	140	5.5	140	5.5	140	5.7	145	5.7	145			5.9	150	5.9	150	5.9	150	5.9	150	5.9	150	5.9	150	5.9	150		
13	Forks	thickness x length x width	in	mm	1.4x3.9x42	35x100x1070	1.4x3.9x42	35x100x1070	1.6x4x42	40x100x1070			1.6x4x42	40x100x1070	1.6x4x42	40x100x1070	1.6x4x42	40x100x1070	1.6x4x42	40x100x1070	1.6x4x42	40x100x1070			1.8x5x42	45x100x1070	1.8x5x42	45x100x1070	1.8x5x42	45x100x1070	1.8x5x42	45x100x1070	2x5x42	50x125x1070	2x5x42	50x125x1070	2x5x42	50x125x1070		
13	Fork spacing	out-to out minimum / maximum	in	mm	7.9 / 36.2	200 / 920	7.9 / 36.2	200 / 920	7.9 / 36.2	200 / 920			7.9 / 36.2	200 / 920	8.7 / 39.4	220 / 1000	8.7 / 39.4	220 / 1000	8.7 / 39.4	220 / 1000	8.7 / 39.4	220 / 1000			9.8 / 39.4	250 / 1000	9.8 / 39.4	250 / 1000	9.8 / 39.4	250 / 1000	9.8 / 39.4	250 / 1000	9.8 / 39.4	250 / 1000	9.8 / 39.4	250 / 1000	9.8 / 39.4	250 / 1000		
14	Tilt	forward / backward	deg		6/10		6/10		6/10				6/10		6/10		6/10		6/10		6/10				6/10		6/10		6/10		6/10		6/10		6/10		6/10			
15	Overall Dimensions	length to fork face	in	mm	89.0	2260	91.0	2300	93.0	2355			98.0	2490	98.0	2490	98.0	2490	100.0	2550	100.0	2550	100.0	2550			104.0	2645	104.0	2645	107.0	2720	107.0	2720	108.0	2750	108.0	2750	110.0	2790
16		width	with standard tires	in	mm	42.0	1065	42.0	1065	42.0	1065			45.5	1150	45.5	1150	45.5	1150	45.5	1150	45.5	1150			50.0	1275	50.0	1275	50.0	1275	50.0	1275	50.0	1275	50.0	1275	51.0	1290	
16			w/ optional duals	in	mm	NA	NA	NA	NA	NA	NA			58.5	1480	58.5	1480	58.5	1480	58.5	1480	58.5	1480			59.0	1490	59.0	1490	59.0	1490	59.0	1490	59.0	1490	59.0	1490	59.0	1490	
17		height	with lowered mast	in	mm	84.5	2140	84.5	2140	84.5	2140			84.5	2140	84.5	2140	84.5	2140	84.5	2140	84.5	2140			85.5	2170	85.5	2170	85.5	2170	85.5	2170	85.5	2170	85.5	2170	91.0	2300	
18			seat height	in	mm	36.5	929	36.5	929	36.5	929			37.0	938	37.0	938	37.0	938	37.0	938	37.0	938			39.0	988	39.0	988	39.0	988	39.0	988	39.0	988	39.0	988	39.0	988	
19			to top of overhead guard	in	mm	83.0	2100	83.0	2100	83.0	2100			83.0	2105	83.0	2105	83.0	2105	83.0	2105	83.0	2105			84.0	2125	84.0	2125	84.0	2125	84.0	2125	84.0	2125	84.5	2140			
20			with extended mast	in	mm	180.0	4550	180.0	4550	180.0	4550			180.0	4570	180.0	4570	180.0	4570	180.0	4570	180.0	4570			179.0	4540	179.0	4540	179.0	4540	179.0	4540	179.0	4540	180.0	4570			
21	Minimum outside turning radius		in	mm	77.0	1950	78.0	1980	79.5	2020			86.5	2200	86.5	2200	86.5	2200	88.0	2230	88.0	2230	88.0	2230			91.0	2315	91.0	2315	94.0	2380	94.0	2380	96.0	2430	96.0	2440		
22	Load moment constant		in	mm	15.7	400	15.7	400	16.3	415			17.9	455	17.9	455	17.9	455	17.9	455	17.9	455			19.3	490	19.3	490	19.3	490	19.3	490	19.3	490	19.3	490	19.3	490		
23	Minimum aisle – 90° stack – zero clearance w/o load		in	mm	96.5	2450	97.5	2480	100.0	2540			109.0	2760	109.0	2760	109.0	2760	110.0	2790	110.0	2790			114.0	2910	114.0	2910	117.0	2970	117.0	2970	119.0	3020	119.0	3020	119.0	3030		
PERFORMANCE																																								
40	Speeds	travel loaded / empty	mph	km/h	11.0/12.0	17.5/19.0	11.0/11.5	17.5/19.0	11.0/11.5	18.0/18.5			10.5/11.5	17.0/18.5	10.5/11.5	17.0/18.5	10.5/11.5	17.0/18.5	10.5/11.5	17.0/18.5	10.5/11.5	17.0/18.5			10.5/11.0	17.0/18.0	10.5/11.0	17.0/18.0	10.5/11.0	17.0/18.0	10.5/11.0	17.0/18.0	10.5/11.5	17.0/18.0	10.5/11.5	17.0/18.5	10.5/11.5	16.5/18.0		
41		lift speed loaded / empty	fpm	mm/s	120/125	620/630	120/125	620/630	120/125	620/630			110/115	570/580	125/130	630/650	120/125	610/640	110/115	570/580	125/130	630/650	120/125	610/640			99/100	500/520	99/100	500/520	99/100	500/520	96/100	490/510	93/86	420/440				
42		lowering speed loaded / empty	fpm	mm/s	98/98	500/500	98/98	500/500	98/98	500/500			98/98	500/500	98/98	500/500	98/98	500/500	98/98	500/500	98/98	500/500	98/98	500/500			98/98	500/500	98/98	500/500	98/98	500/500	98/98	500/500	98/98	500/500	98/98	500/500		
43	Drawbar pull	loaded (60 min. rating)	lb	N	3575	15,900	3550	15,700	3450	15,400			3550	15,800	4225	18,800	4000	18,800	3500	15,600	4175	18,600	3950	17,600			4175	18,500	4175	18,500	4150	18,400	3875	17,200	3950	17,600	3950	17,600		
44		loaded maximum (5 min. rating)	lb	N	4125	18,300	4100	18,200	4000	17,800			4150	18,400	4800	21,300	4475	19,900	4100	18,200	4750	21,100	4425	19,600			4750	21,100	4750	21,100	4725	21,000	4325	19,300	4500	20,000	4489	20,000		
44	Gradeability	loaded at 1 mph (1.6km)	%		40.0		39.0		33.0				32.0		39.0		32.0		27.0		33.0		30.0				29.0		29.0		27.0		25.0		23.7		21.7			
44		maximum loaded / empty	%		40.1 / 18.4		39.7 / 16.0		38.8 / 14.4				37.8 / 18.8		40.2 / 18.8		40.4 / 18.7		32.0 / 16.4		37.8 / 16.4		34.2 / 16.4				33.0 / 16.9		29.7 / 16.9		30.9 / 17.3		27.7 / 17.3		27.1 / 17.3		25.8 / 14.8		23.2 / 14.9	
WEIGHT			lb	kg	5500	2500	6000	2700	6600	3000			7300	3300	7300	3300	7500	3425	7900	3600	7900	3600	8100	3700	9100	4125	9300	4225	9300	4250	9600									



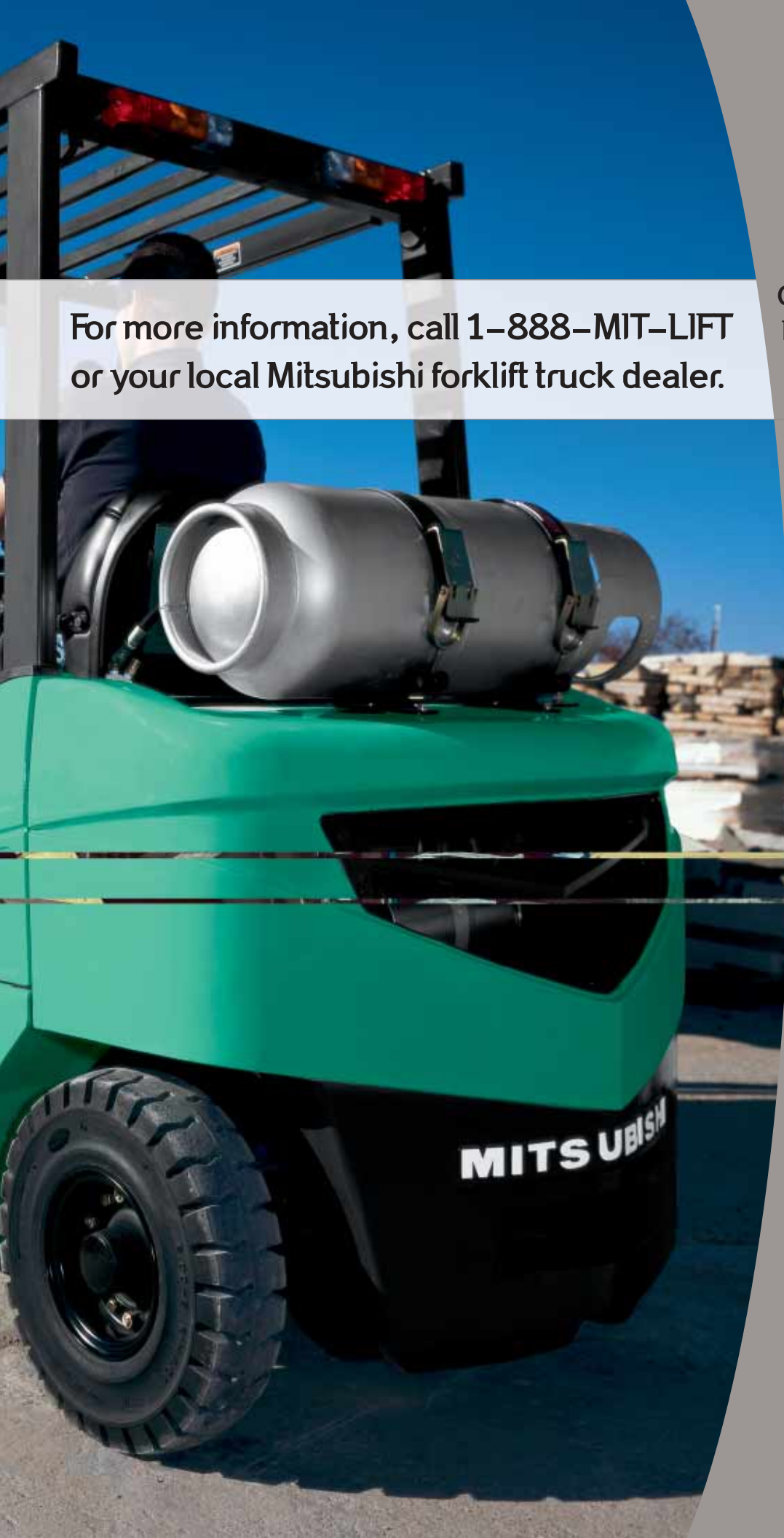
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Gas, LP Gas, And Diesel Pneumatic Tire Forklifts

## Ask For A Demonstration

Mitsubishi forklift trucks offer all the performance you need, with the ease and comfort your operator wants. Ask your Mitsubishi forklift truck dealer for a demonstration today so you can see why they are Ready. Reliable. Right On The Money.







For more information, call 1-888-MIT-LIFT  
or your local Mitsubishi forklift truck dealer.

## Quality And Support For The Long Haul

Our services are as innovative as our forklifts. One example is our exclusive Mastersource® parts program, designed to be your single source for quality replacement parts—no matter what forklift brand you own. Another is our Master Protection™ program which offers extended power train warranties for your Mitsubishi forklifts. Your Mitsubishi forklift truck dealer offers an extensive line of products and services including Master Maintenance® programs, which tailor service and maintenance to your specific applications. Your Mitsubishi forklift truck dealer can provide options and additional visual and audible warning devices aimed at your specific applications and requirements. Operator training programs are also available to help reduce the potential for product damage and personal injury.



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