

MOVE THE WORLD FORWARD  MITSUBISHI
HEAVY
INDUSTRIES
GROUP

FD100-230(S)(NL)(NE) Series (10.0 - 23.0 TONS)



WHEN
RELIABILITY IS
EVERYTHING...

 **MITSUBISHI**
FORKLIFT TRUCKS

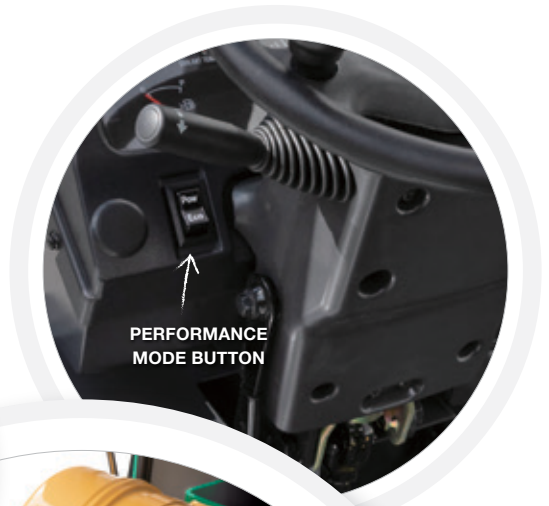
PERPETUAL POWER

The **Mitsubishi FD100-230(S)(NL)(NE) series** forklift truck epitomises perpetual power in high-performance logistics management. The truck's robust physical build complements its herculean load capacity of 10 to 23 tons, making it a class leader through its supreme power and impressive productivity.

PERFORMANCE PAR EXCELLENCE

CUSTOMIZED PERFORMANCE MODE

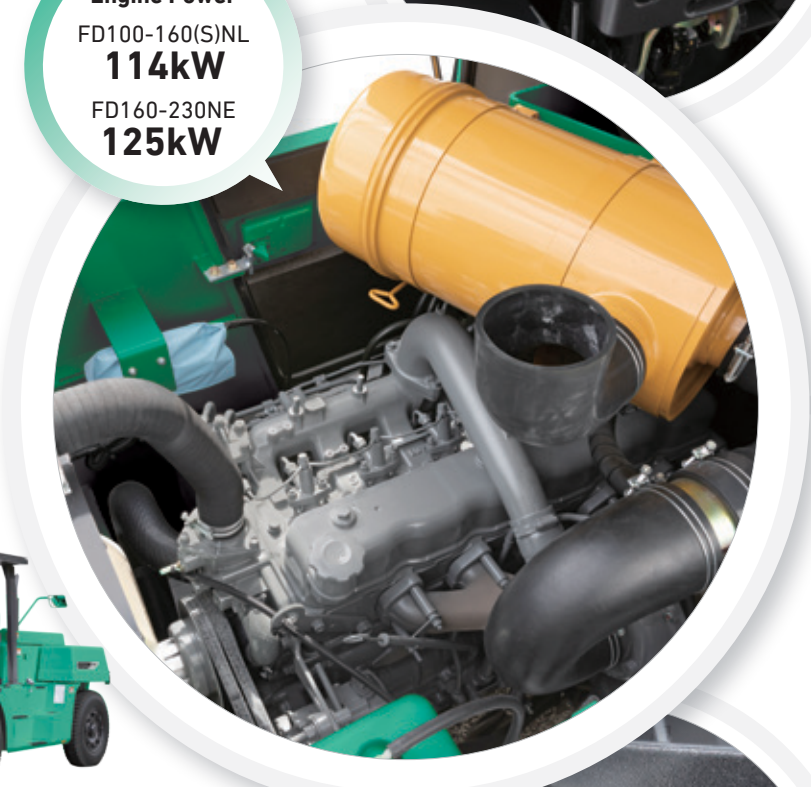
A performance mode button customizes truck coordinates according to operator preferences, habits and skill. The choice between raw power or smooth delivery lies at the tip of the fingers. The freedom to toggle between power mode for strong acceleration or economy mode for fuel economy leads to seamless and precise performances.



Engine Power
FD100-160(S)NL
114kW
FD160-230NE
125kW

FORMIDABLE ENGINE

A high-powered engine drives the truck to execute the most challenging of tasks with fast lifting speeds and agile climbing capabilities. The truck's intense power and performance makes it the leading-edge model for heavy industries.



Lifting speed (Laden):
460mm/s
[FD100NL]

Gradeability (Laden):
47%
[FD100NL]



VERSATILE SPEED CONTROL

The truck's versatile speed control system offers three dynamic transmission speeds. By moving a simple dial knob, operators can easily control top speed variations as the situation demands. This function makes operating the truck as easy as driving a passenger car.



UNCOMPROMISING SAFETY

ELECTRIC PARKING BRAKE

An electric button replaces the parking brake lever, simplifying the activation of this powerful feature. Operators can now effortlessly engage this crucial function that guarantees safe and productive performances.



WET DISC PARKING BRAKE

A highly-reliable, fully-sealed wet disc brake securely locks the forklift truck when parked or stationary. Minimum wear and tear ensures that the wet disc brake remains maintenance free.



WIDE VISIBILITY CABIN (OPTION)

A cabin carefully designed for increased safety and comfort achieves perfect unobstructed visibility with the removal of front and rear pillars. In particular, without front pillars, visibility improves substantially by 10% (compared to other conventional models).



EXCELLENT ERGONOMICS

INTEGRATED DISPLAY PANEL

An analogue dial-type display lets the operator effectively capture integrated truck performance and conditions in real time. The immediacy of critical data enables operators to effectively monitor the truck's optimum performance.



DYNAMIC POSITIONING SEAT

A dynamic seat design maximizes an operator's range of flexibility and comfort. Fully adjustable, the seat can accommodate the operator's preferred seating position (forward, backward, up or down). But more significantly, it also swivels effectively for easy operator ingress/egress and rearward visibility.

POWERFUL CABIN COOLING (OPTION)

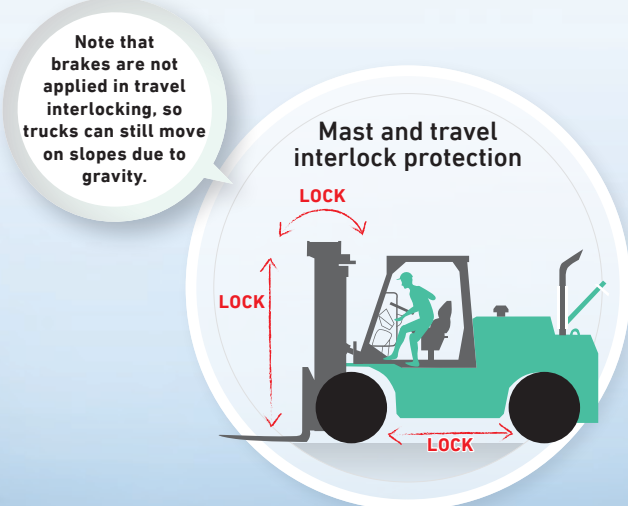
A large-capacity 4000kcal/h air conditioner efficiently cools down the cabin fully in hot and humid conditions, especially in the summer or in tropical countries. Operators are assured of a relaxing and comfortable cabin that helps to make the execution of challenging tasks less stressful and more pleasant.



MAST AND TRAVEL INTERLOCK

The Mitsubishi FD100-230(S)(NL)(NE) series forklift trucks are equipped with mast and travel interlock protection device that is linked to the operator's seat. If the operator is not seated, the mast and (for torque-converter models) the movement of the vehicle itself, is automatically locked in order to prevent injury or damage to property.

*Option for certain markets



LED LIGHTS (Option)

For operations that require long hours of operation in badly lit areas, LED lights can be a good option. These energy efficient and reliable lamps ensure that operation is seldom disrupted and bulb replacement cost stays low.



STANDARD SPECIFICATIONS

MODEL				FD100NL	FD115NL	FD120NL	FD135NL
PERFORMANCE	Load capacity	kg (lbs)		10000 (22000)	11500 (25500)	12000 (26500)	13500 (30000)
	Load center	mm (in)		600 (24)	600 (24)	600 (24)	600 (24)
	Maximum fork height	mm (in)	A	3000 (118.1)	3000 (118.1)	3000 (118.1)	3000 (118.1)
	Lifting speed	: with load mm/s (fpm)		460 (90.5)	450 (88.6)	450 (88.6)	350 (68.9)
	Mast tilt angle	: forward / backward deg		6 / 12	6 / 12	6 / 12	6 / 12
	Max. Travel speed	km/h (mph)		34 (21.1)	34 (21.1)	34 (21.1)	34 (21.1)
	Lateral fork adjustment (outside)	mm (in)	B	400 ~ 2140 (15.7 ~ 84.3)	400 ~ 2140 (15.7 ~ 84.3)	400 ~ 2140 (15.7 ~ 84.3)	470 ~ 2210 (18.5 ~ 87.0)
	Turning radius (outside)	mm (in)	R	4000 (157.5)	4000 (157.5)	4000 (157.5)	4300 (169.3)
	Gradeability	: with load (1.6km/h) %		47	39	38	33
DIMENSIONS & WEIGHT	Overall length	: with fork mm (in)	C	5490 (216.1)	5505 (216.7)	5505 (216.7)	5775 (227.4)
		: without fork mm (in)		4285 (168.7)	4285 (168.7)	4285 (168.7)	4545 (178.9)
	Fork size	: L x W x T mm (in)		1220 x 180 x 75 (48.0 x 7.1 x 3.0)	1220 x 180 x 90 (48.0 x 7.1 x 3.5)	1220 x 180 x 90 (48.0 x 7.1 x 3.5)	1220 x 200 x 85 (48.0 x 7.9 x 3.3)
	Overall width	mm (in)	D	2240 (88.2)	2280 (89.8)	2280 (89.8)	2360 (92.9)
	Overall height	: mast (lowered) mm (in)	E	2895 (114.0)	2915 (114.8)	2915 (114.8)	3150 (124.0)
		: overhead guard mm (in)		2740 (107.9)	2755 (108.5)	2755 (108.5)	2775 (109.3)
	Wheelbase	mm (in)	F	2800 (110.2)	2800 (110.2)	2800 (110.2)	3100 (122.0)
	Ground clearance	mm (in)	G	255 (10.0)	275 (10.8)	270 (10.6)	255 (10.0)
	Total weight	kg (lbs)		13250 (29211)	14370 (31680)	14680 (32364)	15900 (35060)
ENGINE & TRANSMISSION	Internal combustion engine	: model		ISUZU 6BG1T Diesel Engine			
		: piston displacement	lit. (in ³)	6.494 (396.3)			
		: rated output/ engine speed		114kW (155PS) / 2000r.p.m. (SAE GROSS 117kW (157HP) / 2000r.p.m.)			
		: maximum torque / engine speed		537N • m (54.8kgf • m) / 1800 r.p.m.			
	Transmission	: type		Automatic power-shift transmission			
: number of speeds			3 - 3 (Fwd/ Rvs)				
TIRE & BRAKE	Tire size			9.00-20-14PR	10.00-20-16PR	10.00-20-16PR	11.00-20-16PR
	Brake	: service		Air-over-hydraulic internal expansion			
		: parking		Built in transmission, wet multiple disc brake			
	Steering system			Full hydrostatic power steering			

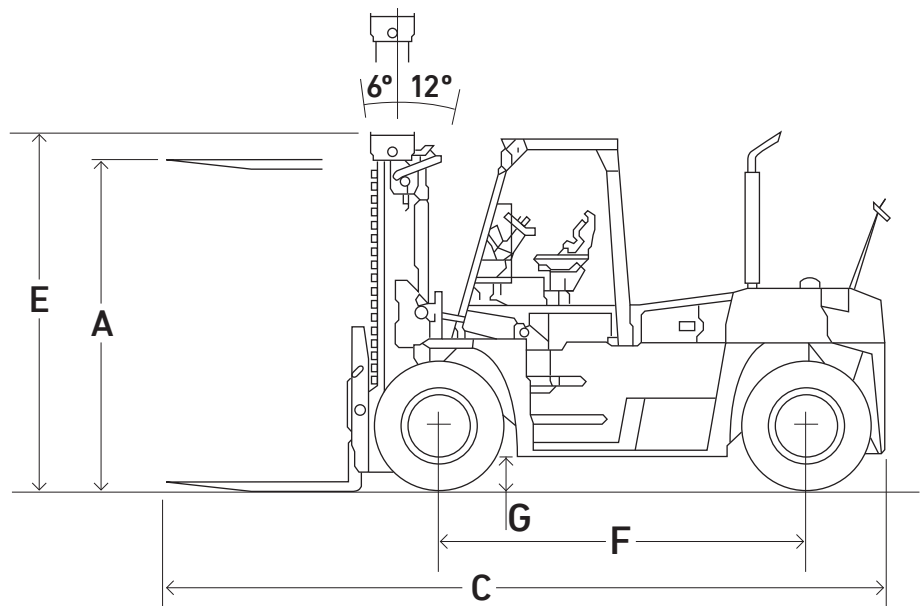
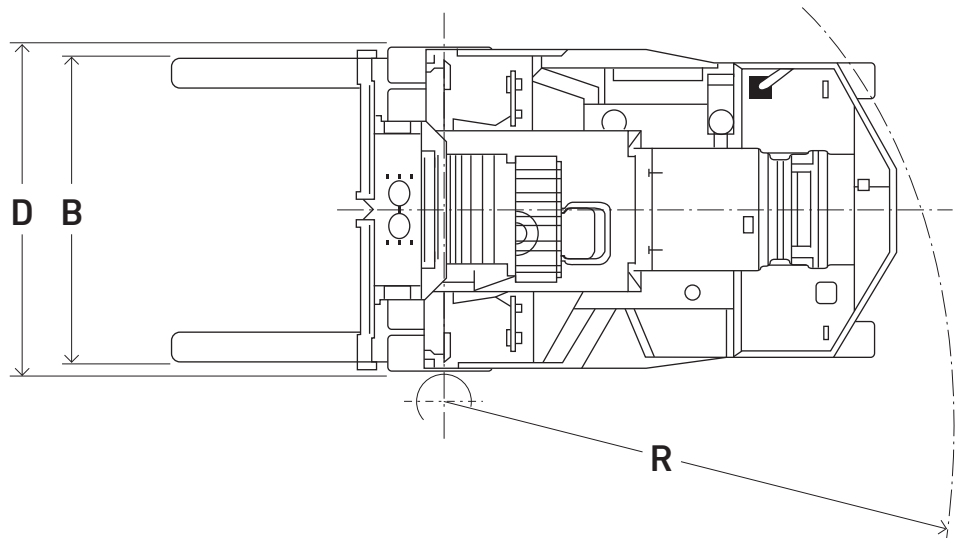
Continuing improvement may lead to changes in these specifications.

STANDARD SPECIFICATIONS

MODEL				FD160NE	FD180NE	FD200NE	
PERFORMANCE	Load capacity		kg (lbs)	16000 (35000)	18000 (40000)	20000 (44000)	
	Load center		mm (in)	900 (36)	900 (36)	900 (36)	
	Maximum fork height		mm (in)	A	3000 (118.1)	3000 (118.1)	3000 (118.1)
	Lifting speed	: with load	mm/s (fpm)	330 (64.9)	290 (57.1)	285 (56.1)	
	Mast tilt angle	: forward / backward	deg	6 / 12	6 / 12	6 / 12	
	Max. Travel speed		km/h (mph)	34 (21.1)	34 (21.1)	34 (21.1)	
	Lateral fork adjustment (outside)		mm (in)	B	790 ~ 2750 (31.1 ~ 108.3)	810 ~ 2750 (31.9 ~ 108.3)	810 ~ 2750 (31.1 ~ 108.3)
	Turning radius (outside)		mm (in)	R	5000 (196.9)	5000 (196.9)	5150 (202.8)
	Gradeability	: with load (1.6km/h)	%	24	20	18	
DIMENSIONS & WEIGHT	Overall length	: with fork	mm (in)	C	7165 (282.1)	7205 (283.7)	7205 (283.7)
		: without fork	mm (in)		5325 (209.6)	5365 (211.2)	5365 (211.2)
	Fork size	: L x W x T	mm (in)		1830 x 250 x 90 (72.0 x 9.8 x 3.5)	1830 x 260 x 100 (72.0 x 10.2 x 3.9)	1830 x 260 x 100 (72.0 x 10.2 x 3.9)
	Overall width		mm (in)	D	2970 (116.9)	2990 (117.7)	3060 (120.5)
	Overall height	: mast (lowered)	mm (in)	E	3290 (129.5)	3545 (127.8)	3575 (140.7)
		: overhead guard	mm (in)		3225 (127.0)	3255 (128.1)	3285 (129.3)
	Wheelbase		mm (in)	F	3650 (143.7)	3650 (143.7)	3650 (143.7)
	Ground clearance		mm (in)	G	300 (11.8)	275 (10.8)	305 (12.0)
	Total weight		kg (lbs)		22510 (49600)	25040 (55200)	27260 (60100)
ENGINE & TRANSMISSION	Internal combustion engine	: model			ISUZU 6BG1T Diesel Engine		
		: piston displacement	lit. (in ³)		6.494 (396.3)		
		: rated output/ engine speed			125kW (170PS) / 2200r.p.m. (SAE GROSS 127kW (170HP) / 2200r.p.m.)		
		: maximum torque / engine speed			537N • m (54.8kgf • m) / 1800r.p.m.		
	Transmission	: type			Automatic power-shift transmission		
		: number of speeds			3 - 3 (Fwd/ Rvs)		
TIRE & BRAKE	Tire size			12.00-24-18PR	13.00-24-20PR	14.00-24-24PR	
	Brake	: service		Air-over-hydraulic disc brake			
		: parking		Built in transmission, wet multiple disc brake			
	Steering system			Full hydrostatic power steering			

Continuing improvement may lead to changes in these specifications.

FD230NE	
23000 (50000)	20000 (44000)
900 (36)	1250 (49)
3000 (118.1)	
230 (45.3)	240 (47.2)
6 / 12	
32 (19.9)	
950 ~ 2750 (37.4 ~ 108.3)	
5350 (210.6)	
15	16
7990 (314.6)	
5545 (218.3)	
2440 x 310 x 98 (96.1 x 12.2 x 3.8)	
3060 (120.5)	
3580 (140.9)	
3280 (129.1)	
3650 (143.7)	
290 (11.4)	
30760 (67800)	
14.00-24-24PR	



Like any product bearing the "MITSUBISHI" name our materials handling equipment benefits from the tremendous heritage, huge resources and cutting-edge technology of one of the world's largest corporations – Mitsubishi Heavy Industries Group.

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Performance specifications may vary depending on standard manufacturing tolerances, vehicle condition, types of tyres, floor or surface conditions, applications or operating environment. Trucks may be shown with non-standard options. Specific performance requirements and locally available configurations should be discussed with your distributor of Mitsubishi forklift trucks. We follow a policy of continual product improvement. For this reason, some materials, options and specifications could change without notice.

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