

MOVE THE WORLD FORWARD  MITSUBISHI
HEAVY
INDUSTRIES
GROUP

FD70-100NH (7.0 – 10.0 TONS)



WHEN
RELIABILITY IS
EVERYTHING...

 **MITSUBISHI**
FORKLIFT TRUCKS



70

MITSUBISHI

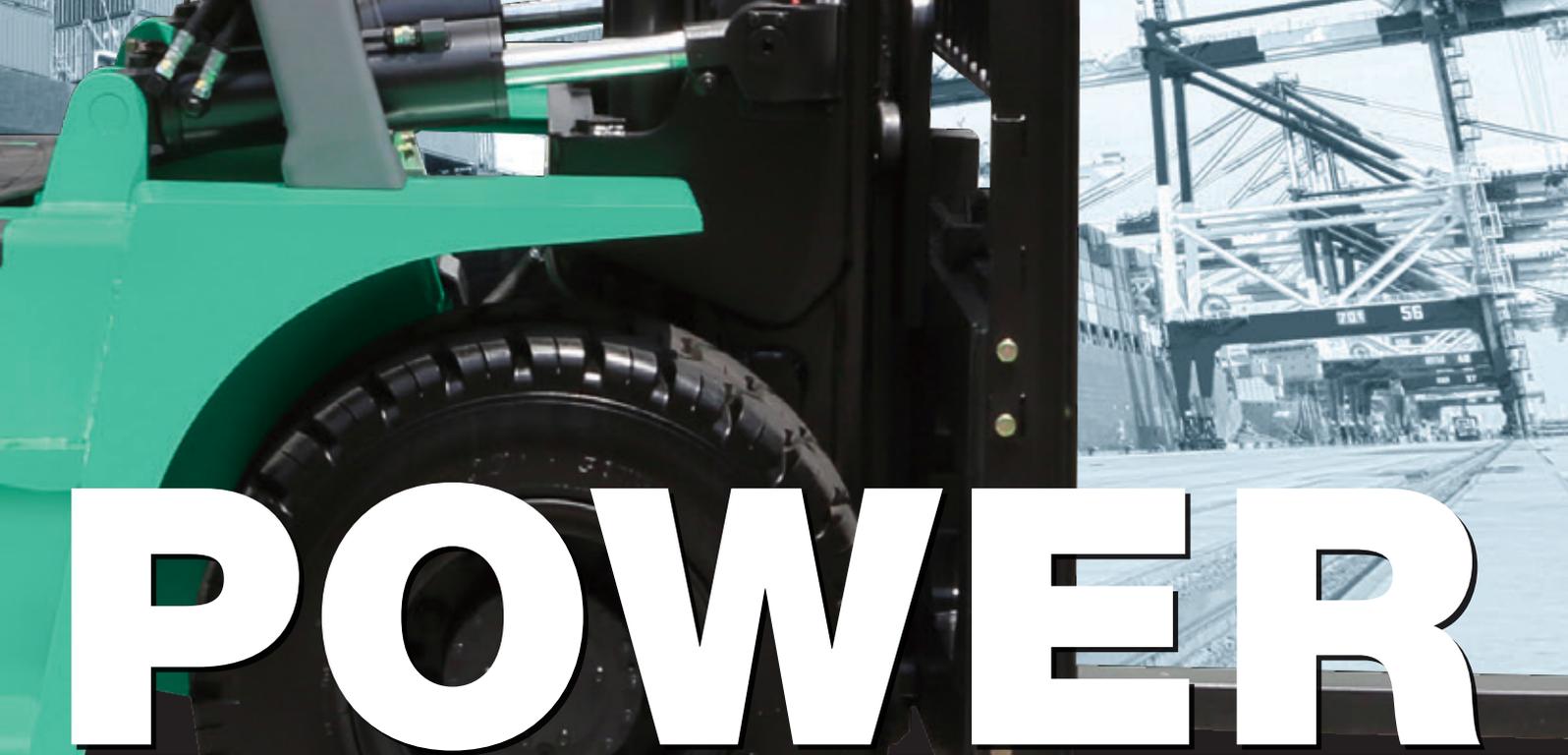
THE PURTY OF

OF

ROBUST PERFORMANCE

The
Mitsubishi
FD70-100NH

truck pulsates with pristine power. It is a fact so simple and yet so remarkable: a truck that powers pure performance. Built for load capacities of 7.0 to 10.0 tons, the heart of the truck's rugged performance lies in its solid Isuzu 6BG1 direct-injection 6.5-litre diesel engine. With an output of 82.4kW (112ps / 2000rpm) - a top industry achievement - this impressive truck promises unrivalled excellent performance in harsh outdoor environments subjected to changing seasons and inclement conditions.



FD70NH

**LIFT
SPEED**

with load

mm/s

460

without load

mm/s

550

Strong and Swift

Driven by one of the most powerful engines in its class, the FD70-100NH boasts both strength and speed. The massive loads it can handle do not hamper its speed, making it one of the fastest and most efficient of machines in the industry.

*The value is for FD70NH

Rigid Wide View Mast

The truck's strong and rigid mast is complemented by a thoughtful layout of end and side rollers that reduces swaying and enhances stability. The mast system ensures strength and durability through inner mast channels with a greater cross section and more rollers than most models. These multiple adjustable rollers pervade the inner mast channels, providing intricate balance for managing side and off-centre loads, improving overall efficiency and performance.

Durable mast with a thoughtful layout of rollers

- The inner mast channels have a greater cross section and a larger number of rollers than our competitors' mast do, thus ensuring great strength and durability.
- The side loads on the lift bracket are carried by both the side and retaining rollers on both sides of the inner mast channels, to reduce the possibility of wear on the mast channels and to handle off-center loads.
- The mast and lift bracket on the cab can be adjusted using only the side rollers. The inner channels and lift brake do not have to be removed.

Strong, Rigid Mast

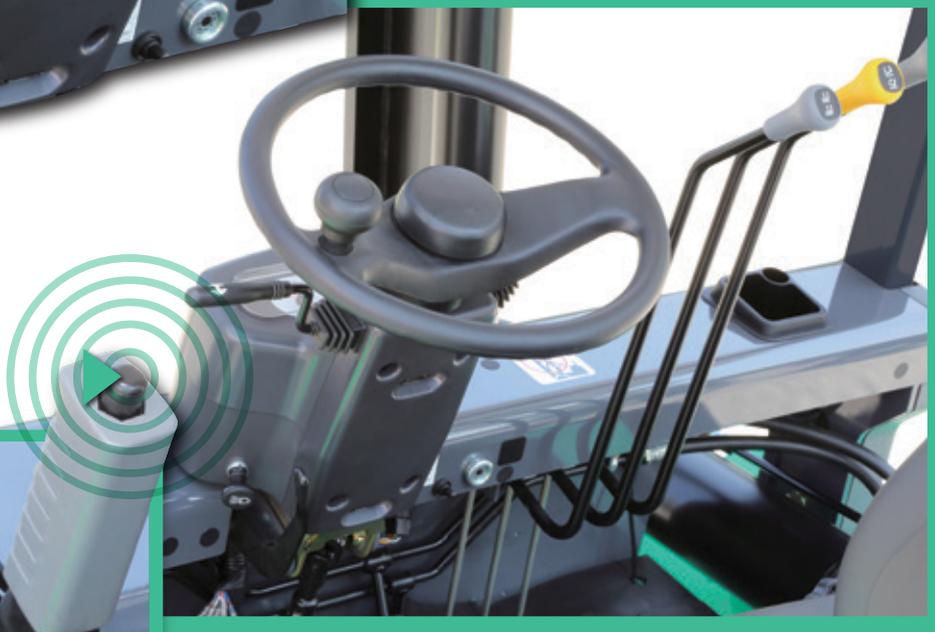


SUPERIOR SAFETY



► Smooth Transmission and An Electric Shift Lever

A dual-speed automatic transmission makes it easy to accelerate smoothly to top speeds via a pedal without manual gear changes, providing instant manoeuvrability. A simple electric shift lever that guides direction changes effectively whilst handling loads deftly.

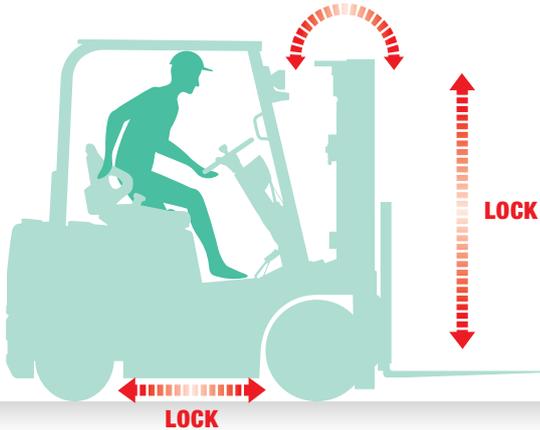


► Parking Brake: Enhanced Safety

The parking brake lever is equipped with a safety device that can only be released by pushing a button on the lever tip. This double-action release improves safety, unlike the single-action toggle parking brakes found on conventional models, which is prone to accidental release by an operator's entry into and exit from the truck.

PRIME PRODUCTIVITY

OPERATOR IS NOT SEATED **LOCK**



▶ **Travel Hydraulic Interlock**

For superior safety, the truck's standard operator-presence system features seat-actuated power interruption that locks all travel and hydraulics when the operator is not seated in the truck. Effective only on flat terrain (not on slopes), this sensitive power-severance feature takes truck safety to the next level.

OPERATOR IS SEATED



▶ **LED Lights**

LED lights are standard features for the rear combination lights, head lights, and turn signal lights. These high-quality bright lights are energy saving, durable, cooler, and sturdier, promising to be an effective aid to overall total cost of ownership.



Comfort ◀

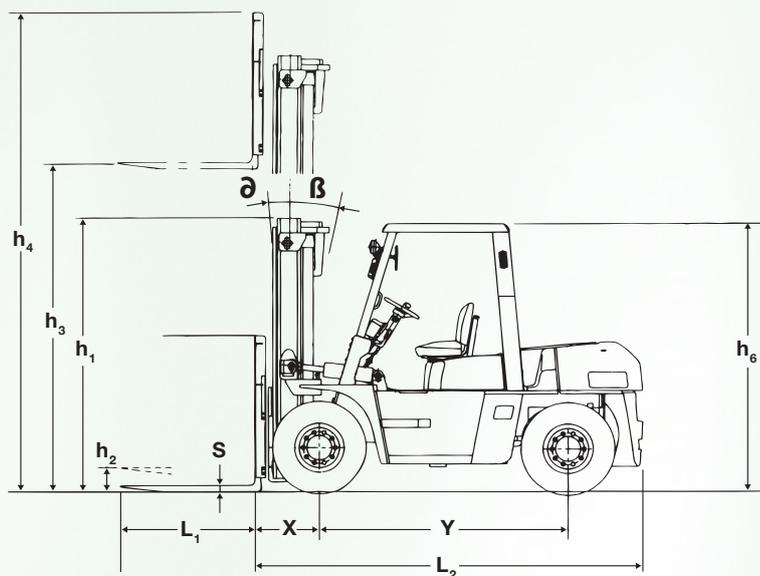
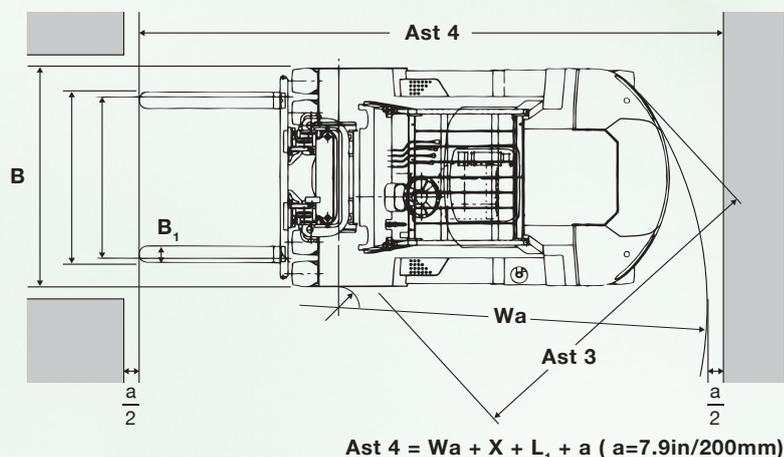
The FD70-100NH ticks all the boxes for user comfort. User conveniences include a glove compartment for holding either a pair of gloves or a beverage can as well as a separate pen holder—for easy placement and retrieval.



SPECIFICATIONS

Characteristics			
Model			FD70NH
Capacity	Q	kg	7000
Load Centre	C	mm	600
Power source: (battery, diesel, LPG, petrol)			Diesel
Operator type: pedestrian, (operator)-standing, -seated			Seated
Dimensions			
Lift height	h_3	mm	3000
Free lift	h_2	mm	215
Fork dimensions (length, width, thickness)	$L_1 / B_1 / S$	mm	1220 x 150 x 70
Tilt Angle (forward/backward)	∂ / β	°	6/12
Length to fork face (includes fork thickness)	L_2	mm	3690
Overall width	B	mm	1995
Height with mast lowered	h_1	mm	2500
Overall height with mast raised	h_4	mm	4420
Height to top of overhead guard	h_6	mm	2450
Load distance, axle to fork face	X	mm	625
Performance			
Travel speed, with/without load		km/h	26.0 / 30.0
Lifting speed, with/without load		mm/s	460/ 550
Lowering speed, with/without load		mm/s	450/ 500
Rated drawbar pull, with/without load		N	52900 / 21600
Gradeability Max, with/without load		%	29 / 19
Turning radius	W_a	mm	3420
Right Angle Stacking Isle Width	Ast 4	mm	5465
Weight			
Total Weight, without load		kg	9410
Axle loading with maximum load, front/rear		kg	14500 / 1910
Axle loading without load, front/rear		kg	3690 / 5720
Wheels, Chassis			
Tyres (front/rear)			Pneumatic/Pneumatic
Number of wheels, front/rear (x=driven)			4x / 2
Tyre dimensions, front			8.25X15-14PR
Tyre dimensions, rear			8.25X15-14PR
Wheelbase	Y	mm	2300
Tread width (centre of tyres), front		mm	1470
Tread width (centre of tyres), rear		mm	1700
Ground clearance under mast (lowest point)		mm	190
Ground clearance at centre of frame			230
Brake			
Parking brake			Hand/ Mechanical
Service brake			Foot/ Hydraulics
Powertrain			
Manufacturer / Type			Isuzu 6BG1
Rated output (JIS112)		kW/rpm	82.4/ 2000
Max torque (JIS42.5)		Nm/rpm	416.5/1500
Number of cylinders / cubic capacity		cm ³	6 / 6494
Type of drive control (Number of gears, forward/reverse)			Powershift 2/2
Maximum operating pressure for attachments		Mpa (kgf/cm ²)	19.6 (200)
Battery (Number x Volts - Ampere hrs)			2 x 12V-70Ah/20h
Noise level, value at operator's ear (EN 12053)		dB(A)	85

FD80NH	FD100NH
8000	10000
600	600
Diesel	Diesel
Seated	Seated
3000	3000
205	205
1220 x 170 x 75	1220 x 180 x 75
6/12	6/12
3980	4245
2165	2245
2700	2850
4420	4330
2560	2560
720	710
25.0 / 30.0	24.0 / 30.0
450/ 470	390/ 410
450/ 450	470/ 340
57300 / 27400	57300 / 31400
27 / 19	22 / 20
3630	3880
5770	6010
11150	12540
17130 / 2020	20260 / 2280
4900 / 6250	5580 / 6960
Pneumatic/Pneumatic	Pneumatic/Pneumatic
4x / 2	4x / 2
9.00X20-14PR	9.00X20-14PR
9.00X20-14PR	9.00X20-14PR
2500	2800
1600	1600
1700	1700
245	245
335	335
Hand/ Mechanical	Hand/ Mechanical
Foot/ Hydraulics	Foot/ Hydraulics
Isuzu 6BG1	Isuzu 6BG1
84.6/ 2100	84.6/ 2100
416.5/1500	416.5/1500
6 / 6494	6 / 6494
Powershift 2/2	Powershift 2/2
19.6 (200)	19.6 (200)
2 x 12V-70Ah/20h	2 x 12V-70Ah/20h
85	85



OPTIONAL

All-weather Covered Steel Cabin

Ergonomic driver workspaces have increasingly become one of the most important criteria in purchasing forklift trucks. As an option, the FD70-100NH offers a rugged all-weather covered steel cabin suitable for operating in unfavourable and challenging environments or with exposure to seasonal elements and inclement weather.



Other optional items include the windshield and wiper as well as air-conditioning and heating units. These ergonomic aspects promise an overall comfortable, convenient and safe working space for truck operators.

