

BUILT TOUGH FOR DEMANDING JOBS.

# FD70E

15,500 LB CAPACITY

DIESEL PNEUMATIC TIRE FORKLIFT TRUCK

## 1. Powerful

### High Performance

The FD70E's engine provides high torque, low noise and efficient fuel economy, which helps boost travel and lift speeds for increased productivity.

### Powerful Transmission

The two speed transmission eliminates excessive shifting in short shuttle applications providing more torque at lower speeds.

## 2. Comfortable

### Added Protection

The Integrated Presence System (IPS) temporarily disengages the drive and hydraulic functions when the operator leaves the normal operating position to help reduce the risk of injury to the operator while working.

### Easy Entry And Exit

Three point access into the truck with the low open step, elongated grab bar and wrapped steel hip restraints offer convenient entry and exit into the cab.

## 3. Smart

### Ergonomics

With a full suspension seat, tilt steering column, and open floor area, this forklift keeps the operator comfortable during long shifts, while the through the floor pedal design lessens the physical stress on the operator.

### Intuitive Display Panel

The standard display panel, featuring an engine coolant temperature gauge and brake fluid level and cold-start indicators, quickly informs the operator of current performance status.

## 4. Efficient Design

### Enhanced Visibility

Equipped with narrow mast channels, two forward work lights and a low-profile counterweight to expand the overall 360 degree vision of the operator, these forklifts allow the operator to maintain awareness in their work area.

### Engine Protection

The forklift's protective cooling system helps safeguard engine components against the high temperatures often associated with demanding applications.



CHARACTERISTICS			FD70E	
1	Capacity at rated load center	lb kg	15,500	7,000
2	Capacity load center – distance from fork face	in mm	24	600
3	Power – diesel, gasoline, LP gas		diesel	
4	Tire type – cushion / pneumatic		pneumatic	
5	Wheels – number front / rear (x=driven)		x4 / 2	
DIMENSIONS				
6	Maximum fork height with rated load	in mm	197	5,000
7	Maximum fork height	in mm	148	3,700
8	Free fork height	in mm	7.9	200
9	Forks – thickness x length x width	in mm	2.4 x 48 x 5.9	60 x 1,220 x 150
10	Fork spacing, out-to-out minimum / maximum	in mm	15.4 / 65.5	390 / 1,670
11	Tilt, forward / backward	deg	6 / 12	
12	Length to fork face	in mm	143.3	3,635
13	Overall width – standard dual drive tires	in mm	85.6	2,175
14	Overall width – optional dual drive tires	in mm	N/A	
15	Overall height – with mast lowered	in mm	115	2,920
16	Seat height	in mm	53.0	1,350
17	Height to top of overhead guard	in mm	95.3	2,420
18	Overall height – with extended mast	in mm	196.1	4,980
19	Minimum outside turning radius	in mm	133.7	3,395
20	Load moment constant	in mm	23.0	585
21	Minimum aisle – 90° stack – zero clearance without load	in mm	156.7	3,980
PERFORMANCE				
22	Travel speed, loaded / empty	mph kph	13.7 / 17.1	22.0 / 27.5
23	Lift speed, loaded / empty	fpm m/s	86.0 / 92.0	0.44 / 0.47
24	Lowering speed, loaded / empty	fpm m/s	108 / 108	0.55 / 0.55
25	Drawbar pull – loaded at 1 mph (1.6 km/h)	lb N	9,599	42,700
26	Drawbar pull – loaded maximum	lb N	12,589	56,000
27	Gradeability – loaded at 1 mph (1.6 km/h)	%	27.0	
28	Gradeability, loaded / empty	%	37.0 / 27.0	
WEIGHT				
29	Empty	lb kg	20,705	9,390
30	Axle load with rated load, front / rear	lb kg	32,520 / 3,685	14,730 / 1,660
31	Axle load without load, front / rear	lb kg	9,085 / 11,620	4,120 / 5,270
CHASSIS				
32	Tire size – front, standard dual drive tires	in	8.25x15-12PR	
33	Tire size – front, optional dual drive tires	in	n/a	
34	Tire size – rear	in	8.25x15-12PR	
35	Wheelbase	in mm	90.6	2,300
36	Tread width – front, standard dual drive tires	in mm	65.0	1,650
37	Tread width – front, optional dual drive tires	in mm	N/A	
38	Tread width – rear	in mm	65.0	1,650
39	Ground clearance – at lowest point at mast	in mm	5.51	140
40	Ground clearance – at center of wheelbase	in mm	10.0	255
41	Brakes – service		hydraulic with vacuum boost	
42	Brakes – parking		mechanical - hand	
ELECTRICAL				
43	Engine manufacturer and model		Mitsubishi S6S-T	
44	Continuous output S.A.E. gross	HP kW	94.0	70.0
		at r.p.m.	2,300	
45	Maximum torque S.A.E. gross	lb-ft kg-m	223	30.8
		at r.p.m.	1,600	
46	Cylinder / displacement	cu in cu <sup>3</sup>	6 / 305	6 / 4,996
47	Transmission type		automatic powershift	
48	Transmission – number of speeds forward / reverse		2 / 2	
49	Relief pressure for attachments	psi bar	2,775	190
50	Noise level – mean value at operator's ear Leq	dB(A)	84.5	

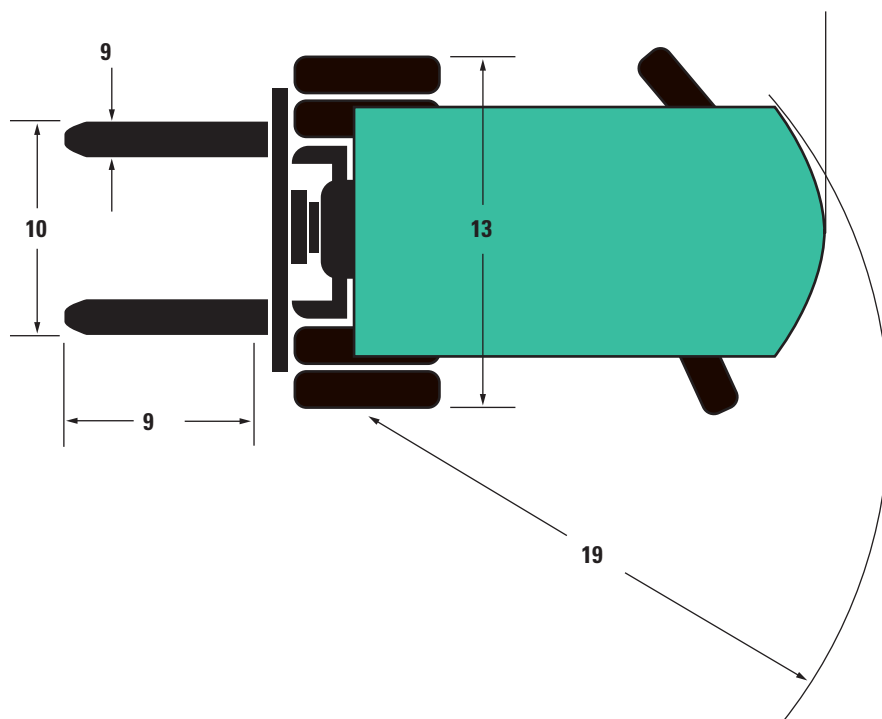
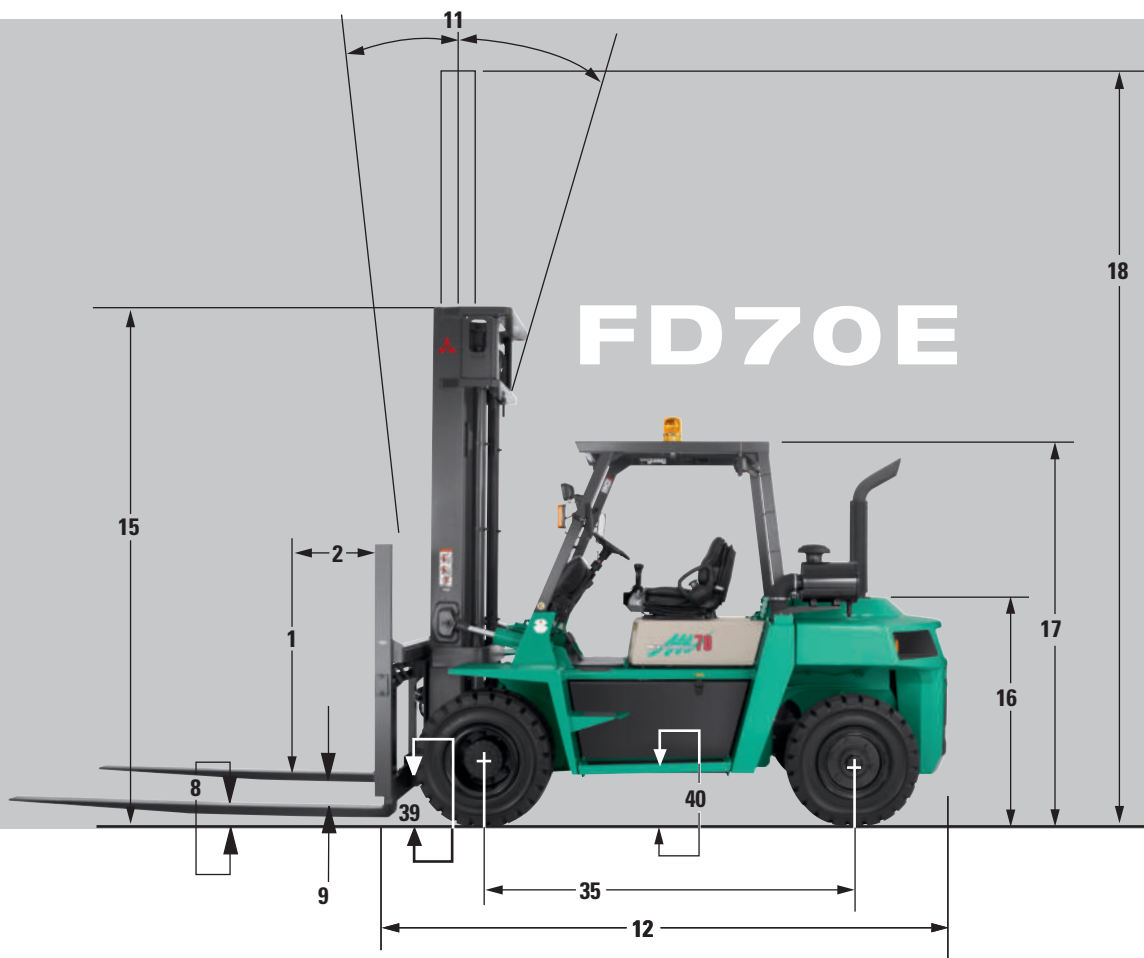
## SAFETY STANDARDS

These trucks meet American National Standards Institute/Industrial Truck Standards Development Foundation, ANSI/ITSDF B56.1. UL-Classified by Underwriters Laboratories, Inc., as to fire and electric shock hazard only; Type D, DS (optional), Industrial Trucks. 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.

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.

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



# FD70E

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## Flexible Operation

### 1. Foundry / Dust Protection

This package is designed to provide additional filtration in outdoor applications by protecting core components from dust and debris in harsh environments.

### 2. Light And Strobe Packages

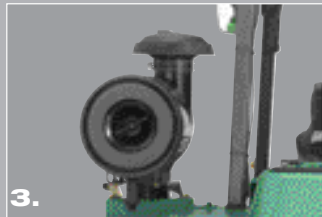
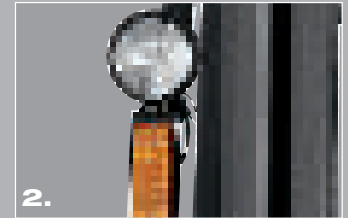
In dimly lit work areas, the optional front LED lights, rear work lights and strobe packages enhance operator visibility while increasing the visibility of the forklift to others working in the same area.

### 3. Elevated Air Intake

This optional elevated air intake feature draws cleaner air from above the chassis, decreasing the chance of the engine taking in particles that may clog components in high-debris applications.

### 4. Enclosed Cab

The FD70E can also be equipped with an optional cab for added operator comfort in applications with extreme conditions. Cabs can include heating, air-conditioning or both.



Manufactured with superior quality and exceptional value, Mitsubishi forklift trucks are supported by an extensive dealer and field support network located throughout North and South America. Don't forget to ask your local Mitsubishi forklift truck dealer about details on factory retail programs, financing plans and additional options and dealer services like planned maintenance and operator training.

