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HYUNDAI DIESEL FORKLIFTS

HDF 50/70 - 7S



■ Photo may include optional equipment.

 **HYUNDAI**
HEAVY INDUSTRIES CO.,LTD.

HDF New 7 Series



■ Photo may include optional equipment.

HDF 50/70-7S

Revolutionizing the productivity in the material industry

Maximize the productivity of your business with HDF 50/70-7S.
With our vast experience in the production of
construction equipment, Hyundai is able to
meet the demands of customers.



High Power & Performance

Absolute Power, The new master on the job-site!

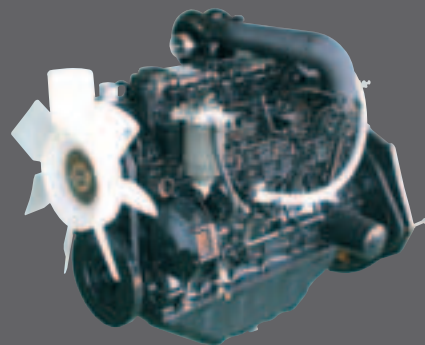
The new concept forklift truck HDF 50/70-7S will increase your productivity more than ever.



Powerful Engine

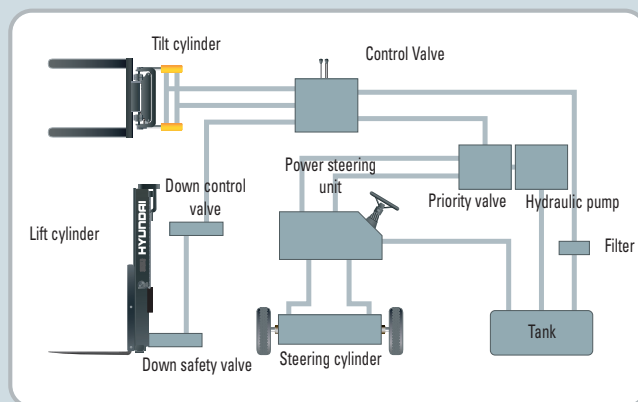
Mitsubishi S6S-DT Engine

The six cylinders turbo-charged engine is built for power, reliability and economy. This engine meets EPA tier II and EU stage II emission regulation.



HDF 50/70-7S**Fast and stable performance**

Being able to quickly raise and lower the mast, as well as tilt it forward and backward, provides the best operational conditions during unloading. When the truck is fully loaded, mast lowering speed is carefully controlled to ensure safety by the down control valve.

**State-of-the-art hydraulic system**

The latest large-capacity hydraulic system reacts quickly during operation. A low-noise control valve increases both efficiency and durability.

**Increased mast tilting angle**

Utilizing the mast tilting angle of 15 degrees forward and 10 degrees backward, the operator can safely and rapidly perform loading and unloading jobs.

**Drum brake (DUO-SERVO Type)**

The adoption of DUO-SERVO type drum brake improves performance. A self-adjusting function maintains proper brake adjustment to compensate for lining wear.

**Fully hydraulic power steering**

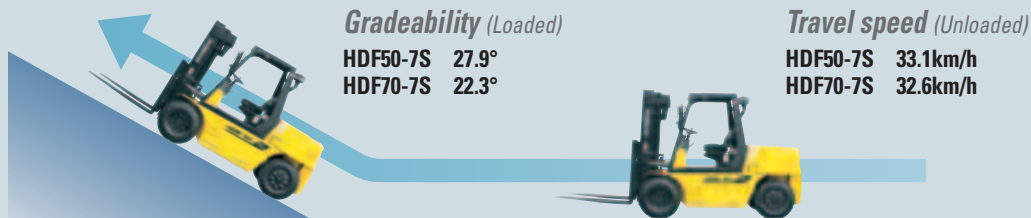
A hydraulic steering system always guarantees smooth and flexible steering, preventing overrun and kick-back of the steering wheel.

**Key-locking fuel filler**

Increased security on job sites using a locking fuel cap, plus an increased capacity fuel tank for less down time gives you optimum availability of your truck.

Faster Travel Speed & Gradeability

The powerful high-output engine provides greater acceleration, better gradeability and faster travel speed on any tough terrain or slope.



■ Photo may include optional equipment.

Comfortable Operation



Adjustable steering wheel

Steering wheel can be adjusted by a lever on the right-hand side for the most comfortable operator position.



Easy and safe shift lever

A single lever on the left side of the steering column gives the operator fast and easy control of speed and direction. The engine can only be started in case of neutral position of this lever.



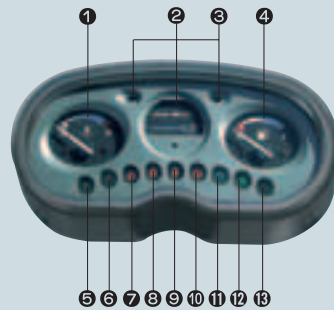
Multi-function switch lever

Multi-functional switch lever gives easy access to lights and horn.



Quick Response of Operating Control Levers

Only minimal operator's effort is required for precise, safe and productive control.



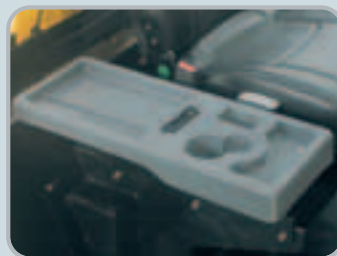
Operator friendly gauges and water-resistant monitor panel

- | | | |
|---------------------------|---|-------------------------------------|
| 1 Water temperature gauge | 6 Fuel warning lamp | 10 Air cleaner filter warning light |
| 2 Hour meter | 7 Engine oil warning lamp | 11 Head light indicator |
| 3 Directional indicators | 8 Transmission oil temperature warning lamp | 12 Working light indicator |
| 4 Fuel gauge | 9 Battery charging warning lamp | 13 Pre-heater indicator |
| 5 Water separator lamp | | |



Ergonomically positioned pedals

Based on human engineering, the accelerator, brake and inching pedals are positioned for optimum operators comfort and less fatigue.



Cup holder & console box

Additional storage spaces are located inside the operating space for operator's convenience.

The latest anti-vibration and shock absorbing system

The state-of-the-art hydraulic suspension cab system, using a hydraulic and anti-vibration rubber insulator, is installed between the guard and truck frame to reduce the source of vibration and noise while driving. This not only reduces operator's fatigue but also increases safety.



HDF 50/70-7S

Ergonomically positioned pedals !

Based on human engineering, the accelerator, brake and inching pedals are optimally positioned for convenience while operating the equipment.

■ Photo may include optional equipment.



Easily adjustable suspension seat

An attractive and adjustable seat, based on a human engineering design, provides great comfort, safety and durability.



New high visibility for safe operation

The operator is able to work with increased safety and accuracy due to a wider view mast.

Endurance & Safety

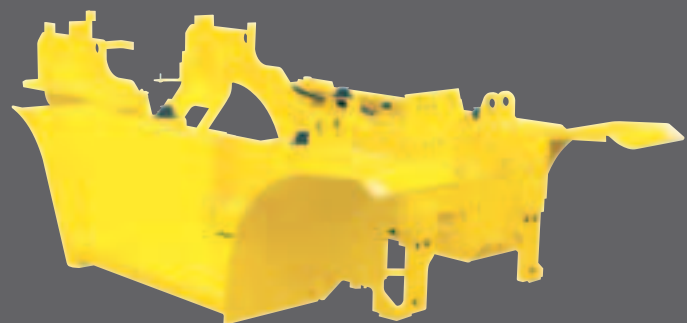
Danger-free through high durability!

Safety and durability are priorities in the design of the equipment.



Heavy duty single unit frame

Heavy duty single unit type frame, designed on the basis of accurate structural analysis, guarantees durability and safety.



HDF 50/70-7S**Durable drive axle**

The hypoid type planetary reduction drive axle delivers the desired torque to the drive wheels smoothly.

**Full-automatic Transmission**

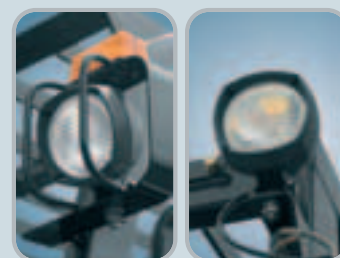
Full-automatic transmission gives easy, convenient handling and soft, smooth shifting. The operator can select two kinds of automatic mode. (1st <-> 3rd, 2nd <-> 3rd)

**High durable mast**

Included side roller with great durability for mast and carriage.

**Expansion bellows**

The expansion bellows absorb vibration and reduce noise generated from the exhaust gas system also exceeding its life-cycle.

**Bright, protected headlights and rear working light**

Bright, protected headlights and rear working light are positioned for exceptional visibility.

**Strong overhead guard**

The safety overhead guard meets EEC and ANSI regulations and protects the operator during hazardous jobs.

**Parking Brake**

Toggle type parking brake requires less efforts from the operator to set.

**Large footboard**

Wide "open" step offers convenience and safety when entering and exiting truck.

**Fuel Tank Safety Valve**

Integrated Safety Check Valve shuts off fuel supply in the unlikely condition of a truck overturn.

Durability & Easy Maintenance



Brake fluid reservoir

Highly visible, easily accessible reservoir to facilitate daily inspections.



Visible precleaner

Efficient, accessible pre-cleaner providing a longer engine life.



An accessible, compact fuse box for easy inspection



Electrically Monitored Air Filter

An air cleaner sensor alerts the operator of a restricted air filter and allows replacement before damage.



Mechanic friendly fuel filter replacement

Highly accessible engine compartment enabling quick replacement of filters.



Easy Maintenance oil check

The T/M oil level can be checked easily without any disassembly.



Transmission oil temp gauge

The temperature gauge is located on the dash board providing the operator with a visual reference of the transmission temperature.



Easy Change Air Cleaner

The air filter is readily accessible for cleaning or replacement.

HDF 50/70-7S***Centralized design for easy service!***

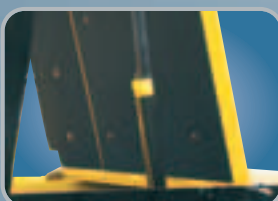
An ideal arrangement of component parts ensures easy access and convenience for maintenance.



■ Photo may include optional equipment.

**Large Open Engine Hood**

Highly accessible engine compartment assures fast and efficient maintenance.

**Easy-to-access reservoir tank****Engine oil condition check tank****Maintenance free battery****Easy-to-change radiator****Automatic Self Locking Gas Spring**

Engine compartment hood is held open by a self locking gas spring to improve maintenance safety.

**Large tool box**

Additional tool box located on machine side for operator's convenience.

HDF New 7 Series

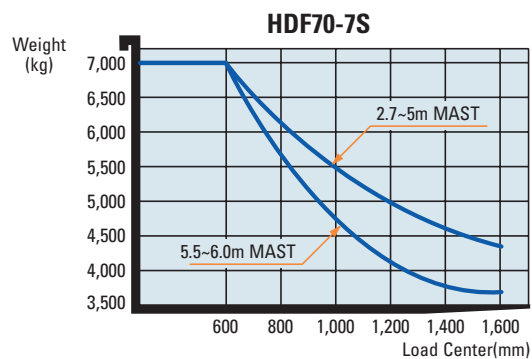
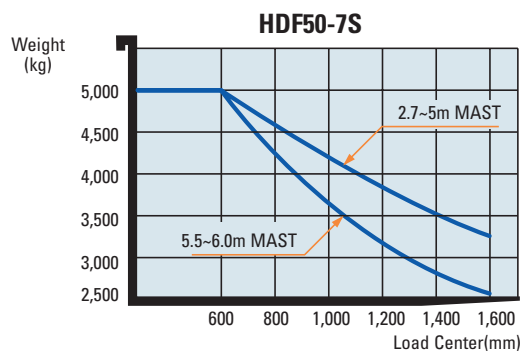
Mast Specification

MAST \ TYPE		Maximum Fork Height	Overall Height(mm)				Free Lift(mm)			Tilt Angle		Load Capacity At 600 mm(24 in)LC
			Lowered	Extended			Without Load Backrest	With Std Load Backrest	With Std Load Backrest (Option)	Fwd	Bwd	
				W/o Load Backrest	W/Std Load Backrest	W/Std Load Backrest (Option)						
		mm(in)	mm(in)	mm(in)	mm(in)	mm(in)	mm(in)	mm(in)	mm(in)	deg	deg	kg(lb)
HDF50-7S 2 / Stage limited free lift	V270	2,700(106.3)	2365 (93.1)	3691 (145.3)	4020 (158.2)	3975 (156.5)	140(5.5)	140(5.5)	140(5.5)	15	10	5,000(11,000)
	V300	3,000(118.1)	2515 (99.0)	3991 (157.1)	4320 (170.0)	4275 (168.3)	140(5.5)	140(5.5)	140(5.5)	15	10	5,000(11,000)
	V330	3,300(129.9)	2665 (104.9)	4291 (168.9)	4620 (181.8)	4575 (180.1)	140(5.5)	140(5.5)	140(5.5)	15	10	5,000(11,000)
	V350	3,500(137.8)	2765 (108.9)	4491 (176.8)	4820 (189.7)	4775 (188.0)	140(5.5)	140(5.5)	140(5.5)	15	10	5,000(11,000)
	V370	3,700(145.7)	2865 (112.8)	4691 (184.6)	5020 (197.6)	4975 (195.9)	140(5.5)	140(5.5)	140(5.5)	15	10	5,000(11,000)
	V400	4,000(157.4)	3015 (118.7)	4991 (196.4)	5320 (209.4)	5275 (207.7)	140(5.5)	140(5.5)	140(5.5)	15	10	5,000(11,000)
	V450	4,500(177.2)	3315 (130.5)	5491 (216.1)	5820 (229.1)	5775 (227.4)	140(5.5)	140(5.5)	140(5.5)	15	10	5,000(11,000)
	V500	5,000(196.9)	3565 (140.3)	5991 (235.8)	6320 (248.8)	6275 (247.0)	140(5.5)	140(5.5)	140(5.5)	15	10	5,000(11,000)
	V550	5,500(216.5)	3815 (150.1)	6491 (255.5)	6820 (268.5)	6775 (266.7)	140(5.5)	140(5.5)	140(5.5)	15	10	5,000(11,000)
	V600	6,000(236.2)	4065 (160.0)	6991 (275.2)	7320 (288.1)	7275 (286.4)	140(5.5)	140(5.5)	140(5.5)	15	10	5,000(11,000)
HDF70-7S 2 / Stage limited free lift	V270	2,700(106.3)	2365 (93.1)	3911 (153.9)	4020 (158.2)	3975 (156.5)	140(5.5)	140(5.5)	140(5.5)	15	10	7,000(15,500)
	V300	3,000(118.1)	2515 (99.0)	4211 (165.7)	4320 (170.0)	4275 (168.3)	140(5.5)	140(5.5)	140(5.5)	15	10	7,000(15,500)
	V330	3,300(129.9)	2665 (104.9)	4511 (177.5)	4620 (181.8)	4575 (180.1)	140(5.5)	140(5.5)	140(5.5)	15	10	7,000(15,500)
	V350	3,500(137.8)	2765 (108.9)	4711 (185.4)	4820 (189.7)	4775 (188.0)	140(5.5)	140(5.5)	140(5.5)	15	10	7,000(15,500)
	V370	3,700(145.7)	2865 (112.8)	4911 (193.3)	5020 (197.6)	4975 (195.9)	140(5.5)	140(5.5)	140(5.5)	15	10	7,000(15,500)
	V400	4,000(157.4)	3015 (118.7)	5211 (205.1)	5320 (209.4)	5275 (207.7)	140(5.5)	140(5.5)	140(5.5)	15	10	7,000(15,500)
	V450	4,500(177.2)	3315 (130.5)	5711 (224.8)	5820 (229.1)	5775 (227.4)	140(5.5)	140(5.5)	140(5.5)	15	10	7,000(15,500)
	V500	5,000(196.9)	3565 (140.3)	6211 (244.5)	6320 (248.8)	6275 (247.0)	140(5.5)	140(5.5)	140(5.5)	15	10	6,800(15,000)
	V550	5,500(216.5)	3815 (150.1)	6711 (264.2)	6820 (268.5)	6775 (266.7)	140(5.5)	140(5.5)	140(5.5)	15	10	6,600(14,600)
	V600	6,000(236.2)	4065 (160.0)	7211 (283.8)	7320 (288.1)	7275 (286.4)	140(5.5)	140(5.5)	140(5.5)	15	10	6,400(14,100)

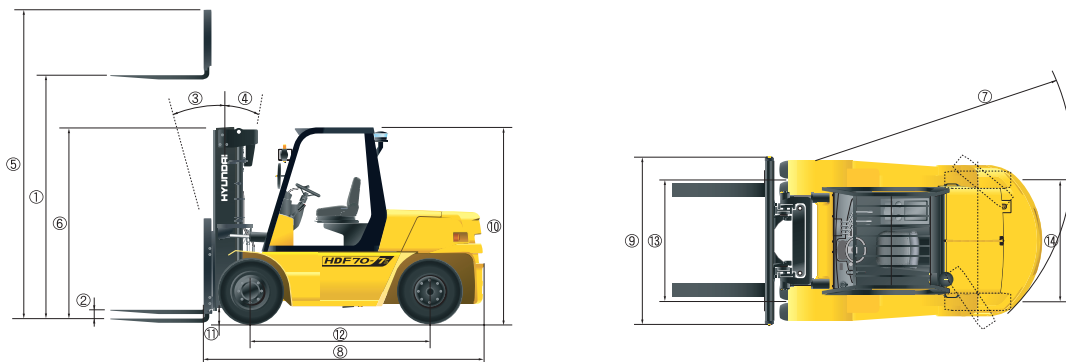
TYPE		Maximum Fork Height	Overall Height(mm)				Free Lift(mm)			Tilt Angle		Load Capacity At 600 mm(24 in)LC
			Lowered	Extended			Without Load Backrest	With Std Load Backrest	With Std Load Backrest (Option)	Fwd	Bwd	
				W/o Load Backrest	W/Std Load Backrest	W/Std Load Backrest (Option)						
MAST		mm(in)	mm(in)	mm(in)	mm(in)	mm(in)	mm(in)	mm(in)	mm(in)	deg	deg	kg(lb)
HDF50-7S 3 / Stage limited free lift	TF450	4560(179.5)	2565(100.9)	5545(218.3)	5805(228.5)	5805(228.5)	1580(62.2)	1275(50.2)	1320(51.9)	15	10	5000(11000)
	TF500	5060(199.2)	2765(108.8)	6045(237.9)	6305(248.2)	6305(248.2)	1780(70.0)	1475(58.0)	1520(59.8)	15	10	4800(10600)
	TF560	5600(220.5)	2965(116.7)	6585(259.2)	6845(269.4)	6845(269.4)	1980(77.9)	1675(79.8)	1720(67.7)	15	10	4600(10150)
	TF600	6060(238.6)	3165(124.6)	7045(277.3)	7305(287.5)	7305(287.5)	2180(85.8)	1875(73.8)	1920(75.5)	15	10	4400(9700)
HDF70-7S 3 / Stage limited free lift	TF450	4560(179.5)	2565(100.9)	5765(226.9)	5805(228.5)	5805(228.5)	1360(53.5)	1275(50.2)	1320(51.9)	15	10	6700(14775)
	TF500	5060(199.2)	2765(108.8)	6265(246.6)	6305(248.2)	6305(248.2)	1560(61.4)	1475(58.0)	1520(59.8)	15	10	6500(14335)
	TF560	5600(220.5)	2965(116.7)	6805(267.9)	6845(269.4)	6845(269.4)	1760(69.2)	1675(79.8)	1720(67.7)	15	10	6300(13895)
	TF600	6060(238.5)	3165(124.6)	7265(286.0)	7305(287.5)	7305(287.5)	1960(77.1)	1875(73.8)	1920(75.5)	15	10	6150(13561)

* Standard : Hook-on type fork & carriage / Option : Shaft-on type fork & carriage

Load Capacity



2-Stage limited free lift

HDF 50/70-7S**Dimension****Specification**

Description			Unit	HDF50-7S	HDF70-7S
P E R F O R M A N C E	Load Capacity		kg	5,000	7,000
	Load Center		mm	600	600
	Fork	Max. Lifting Height ①	mm	3,000	3,000
		Free Lifting Height ②	mm	140	140
		Lifting Speed	Load	mm/sec	470
			Unload	mm/sec	500
		Lowering Speed	Load	mm/sec	500
			Unload	mm/sec	450
		L x W x T	mm	1,200x150x60	1,200x150x65
	Mast	Tilting (F③/B④)	deg	15/10	15/10
		Max. Height ⑤	mm	4,275	4,275
		Min. Height ⑥	mm	2,515	2,515
	Body	Travel Speed (Unloaded)	km/hr	33.1	32.6
		Gradeability	deg(%)	27.9(53)	22.3(40.9)
		Min. Outside Turning Radius ⑦	mm	3,270	3,360
		Pulling Capacity(Loaded)	kg	6,569	6,457
D I M E N S I O N	Weight (Unloaded)		kg	8,347	9,680
	Overall Length(without fork) ⑧		mm	3,500	3,520
	Overall Width ⑨		mm	2,087	2,087
	Overhead Guard Height ⑩		mm	2,523	2,523
	Ground Clearance ⑪		mm	195	195
	Wheel Base ⑫		mm	2,300	2,300
	Wheel Tread	Forward ⑬	mm	1,580	1,580
		Rear ⑭	mm	1,604	1,604
E N G I N E	Model		-	Mitsubishi, S6S-DT	Mitsubishi, S6S-DT
	Rated rpm	GROSS	ps/rpm	88/2,200	88/2,200
	Max. Torque	GROSS	kgfm/rpm	34.8/1,400	34.8/1,400
	Displacement		cc	4,996	4,996
	Fuel Tank		ℓ	160	160
T I R E	Front – Drive		-	8.25-15-14	8.25-15-14
	Rear – Load		-	8.25-15-14	8.25-15-14

* Materials and specifications are subject to change without notice. Metric is precise but U.S. standard may be rounded.

Optional Items

* FORK (LxWxT) (mm)

HDF50-7S (SHAFT . HOOK TYPE)

- 1,350 X 150 X 60 • 1,500 X 150 X 60 • 1,800 X 150 X 60
- 2,000 X 150 X 60 • 2,400 X 150 X 60

HDF70-7S (SHAFT TYPE)

- 1,350 X 180 X 60 • 1,500 X 180 X 60 • 1,800 X 180 X 60
- 2,000 X 180 X 60 • 2,400 X 180 X 60

HDF70-7S (HOOK TYPE)

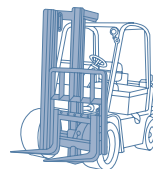
- 1,350 X 150 X 65 • 1,500 X 150 X 65 • 1,800 X 150 X 65
- 2,000 X 150 X 65 • 2,400 X 150 X 65

- **MCV** : 3-SPOOL / 4-SPOOL
- **SEAT** : ARM REST, SEAT BELT
- **INTERNAL PIPING**
- **SOLID TIRE**
- **REAR WORK LAMP**
- **OVER SHOE** : 1,800 / 2,000 / 2,200 / 2,300
- **HOSE-REEL**
- **ELECTRIC BEACON**
- **HAZARD SWITCH**
- **BACK BUZZER**

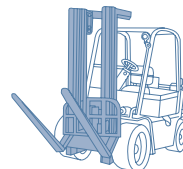


HDF 50/70 - 7S

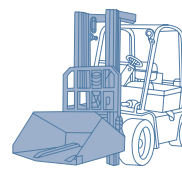
Various Attachments



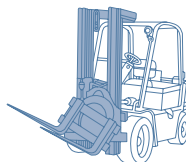
Side Shift



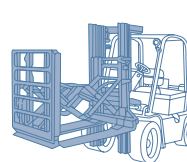
Hinged Fork



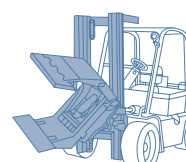
Hinged Bucket



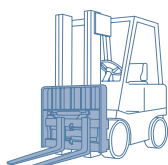
Rotating Fork



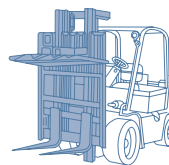
Push Pull



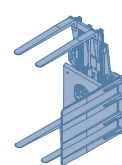
Rotating Roll Clamp



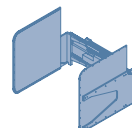
Fork Positioner



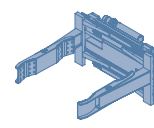
Load Stabilizer



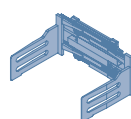
Pallet Invert



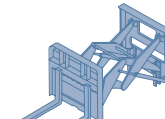
Carton Clamp



Drum Clamp



Bale Clamp



Load Extender

Contact your Hyundai dealer for more information. The machine shown may vary according to International standards.
All US measurement rounded off to nearest pounds or inches.

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