

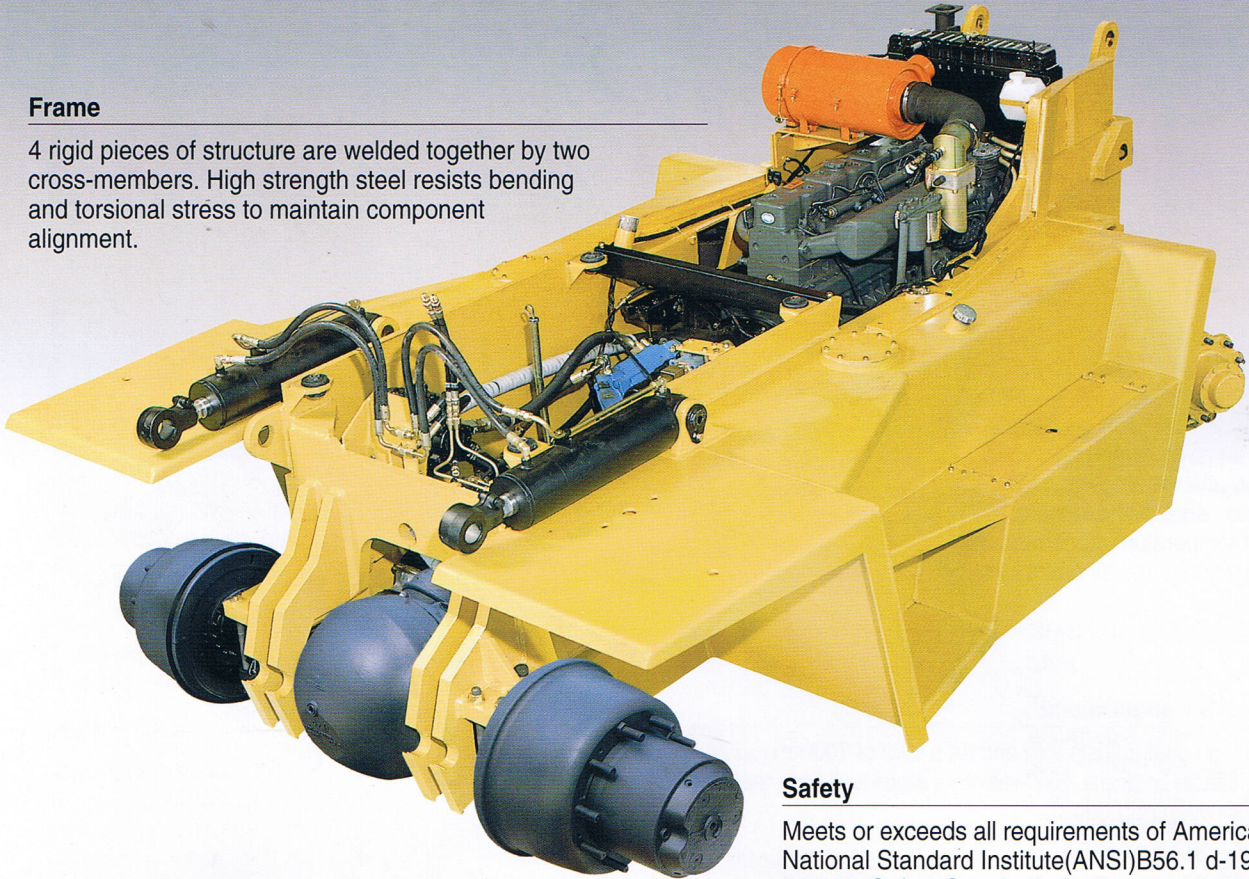
D150



Tough, proven, reliable components for powerful, efficient operation

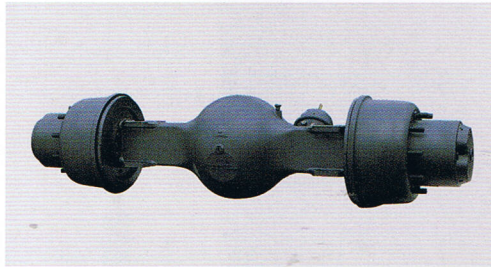
Frame

4 rigid pieces of structure are welded together by two cross-members. High strength steel resists bending and torsional stress to maintain component alignment.



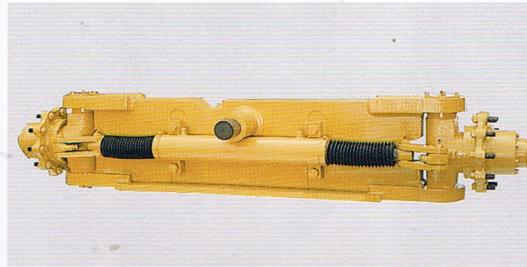
Safety

Meets or exceeds all requirements of American National Standard Institute(ANSI)B56.1 d-1992, Part III , Safety Standards for Powered Industrial Trucks, and EC machinery directive, 89/392/EEC.



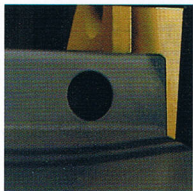
A planetary type drive axle

Planetary drive axle assembly with steel housing, hardened load-bearing spindles and full-floating axle shafts. Positive oil flow to all gears and bearings. Four-pinion, hypoid differential. Radially floating sun and ring gear.



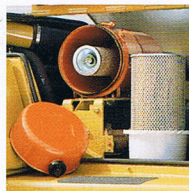
Steer Axle

Oscillating trunnion-mounted steer axle. Bushing between frame and trunnion. Adjustable tie rods. Full hydraulic steering. Steering gear has a hydraulic control valve and a metering section.



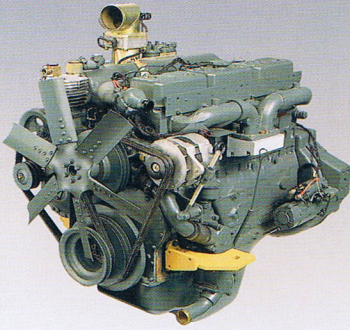
Full floating system for noise suppression

Four rubber isolation mounts are located in four corners to bring noise level down and to protect the operator from vibration.



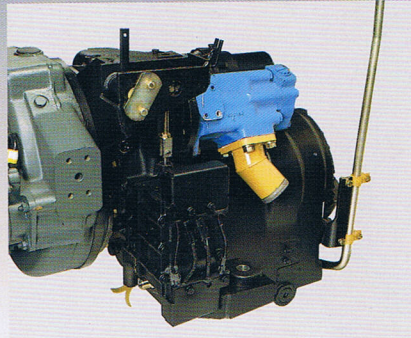
Air Cleaner

Heavy duty air cleaning system with dual filter elements.



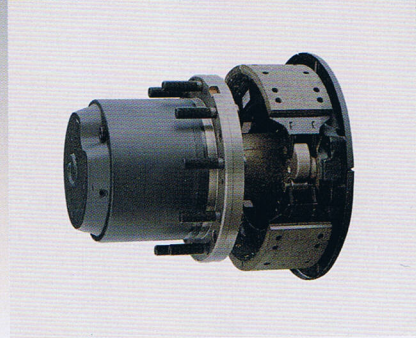
Engine

Daewoo D1146 diesel engine, six cylinders, direct injection, in-line vertical. Overhead valves. Three ring aluminum pistons. Forged crankshaft mounts with seven main bearings. Bosch In-Line AD type fuel injection pump. Full-range mechanical governor. 24 volt electrical system. Delkor 100 Amp/hour battery. Ventilated 61-Amp alternator. Enclosed, positive-engagement starter. Dual-element air cleaner. Full-flow, spin-on oil filters.



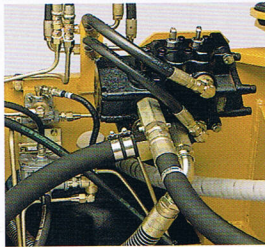
Three-speed power shift transmission

Three speed forward and reverse. Modulated inching in all speed ranges. Combination torque converter and straight constant mesh gears. Oil-cooled, pressure-lubricated multiple disc clutches.



Fully Air-actuated shoe brakes

Air-actuated, air-boosted. Air compressor lubricated by engine crank-case oil and cooled by engine coolant. System operating pressures of 450-8000kPa. Power-off braking. Air actuated parking-brake.



Hydraulic System

2-section vane-type pump. Full-flow filter with replaceable 10 micron cartridge. Flow control valve, mounted at lift cylinder base, regulates carriage lowering speed. Anti-cavitation valve helps prevent hydraulic voids in the tilt circuit.

Ease of Maintenance

Simple and trouble free hood release lever and gas spring assisted hood cover, allow for easy engine access. Coolant level and air cleaner are both equipped with visual indicators. For further access, the three piece side covers can be removed without the use of any tools.



Most durable, reliable lift truck in this product range.

The Daewoo diesel 15,000kg (33,000lb) capacity pneumatic tire lift truck will be one of the most reliable, durable lift trucks in the line-up of Daewoo products.

To maximize efficiency, this lift truck contains powerful Daewoo engine, excellent operator comfort, serviceability and featured reliability.

A wide variety of options allows you to achieve outstanding productivity for your specific work environment.



- Designed to provide operator with maximum comfort
- Performance-driven components
- Powerful Daewoo D1146 engine
- Large capacity cooling system
- 3-speed powershift transmission
- Planetary type drive axle
- Fully hydrostatic steering system
- Fully air actuated S-cam brakes on planetary drive axle
- High-visibility mast and carriage
- Fully isolated operator compartment
- Light-touch hydraulic controls
- Easy maintenance



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EX1

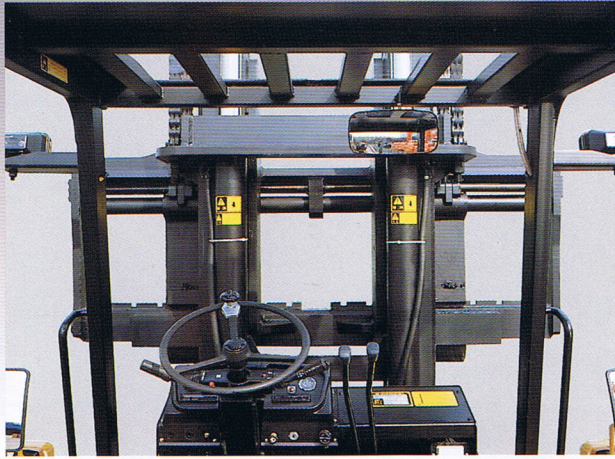
26
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TIR

D150

DAEWOO

Human-engineered operator compartment for easy operation and superior productivity



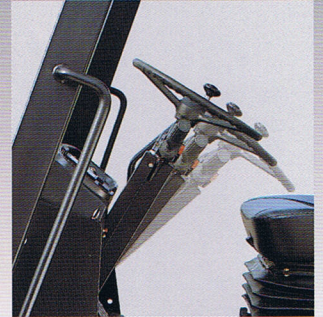
High visibility Overhead Guard

It provides optimum upward visibility during high lift loading and unloading



Exceptional All-Around Visibility

The operator is surrounded with a wide glass offering a full view forward and extensive visibility to the rear.(optional item)



Low-effort tilt steering column

It adjusts easily, even from outside the truck, to accommodate various operator sizes.

Mast

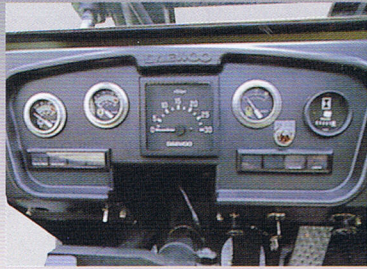
Stationary member mounts to frame with spherical bushings. Elevating section extends on four bearing-mounted load rollers and four adjustable side-thrust rollers. Dual-leaf lift chains. Chrome-plated lift and tilt cylinders.



High-comfort suspension seat

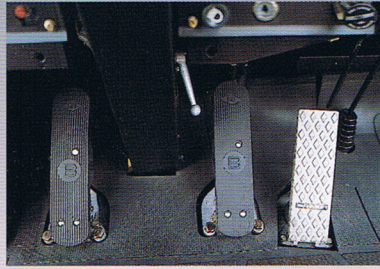
The standard, fully adjustable vinyl suspension seat is for optimum comfort. (Cloth-covered suspension seat is an optional item)





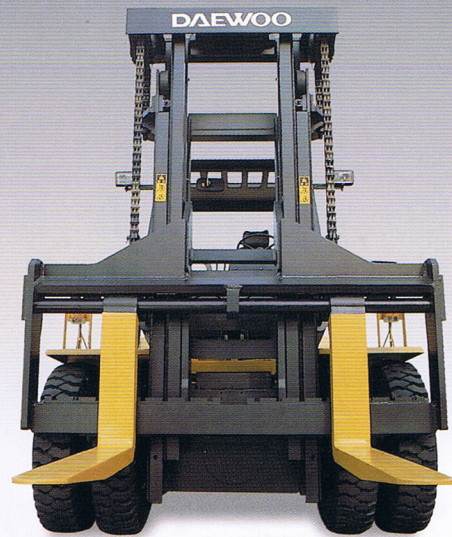
Instrument panel

The centralized and integrated easy-to-read instrument panel. It contains a key switch for the starter, fuel shutoff, fuel gauge, engine hour meter, air pressure gauge, circuit breaker, and warning lights for alternator, engine oil pressure, coolant temperature, transmission oil temperature and air brake low pressure.



Low -effort brake, inching and accelerator pedals

- Enable braking at engine power-off
- Spring actuated parking brake.

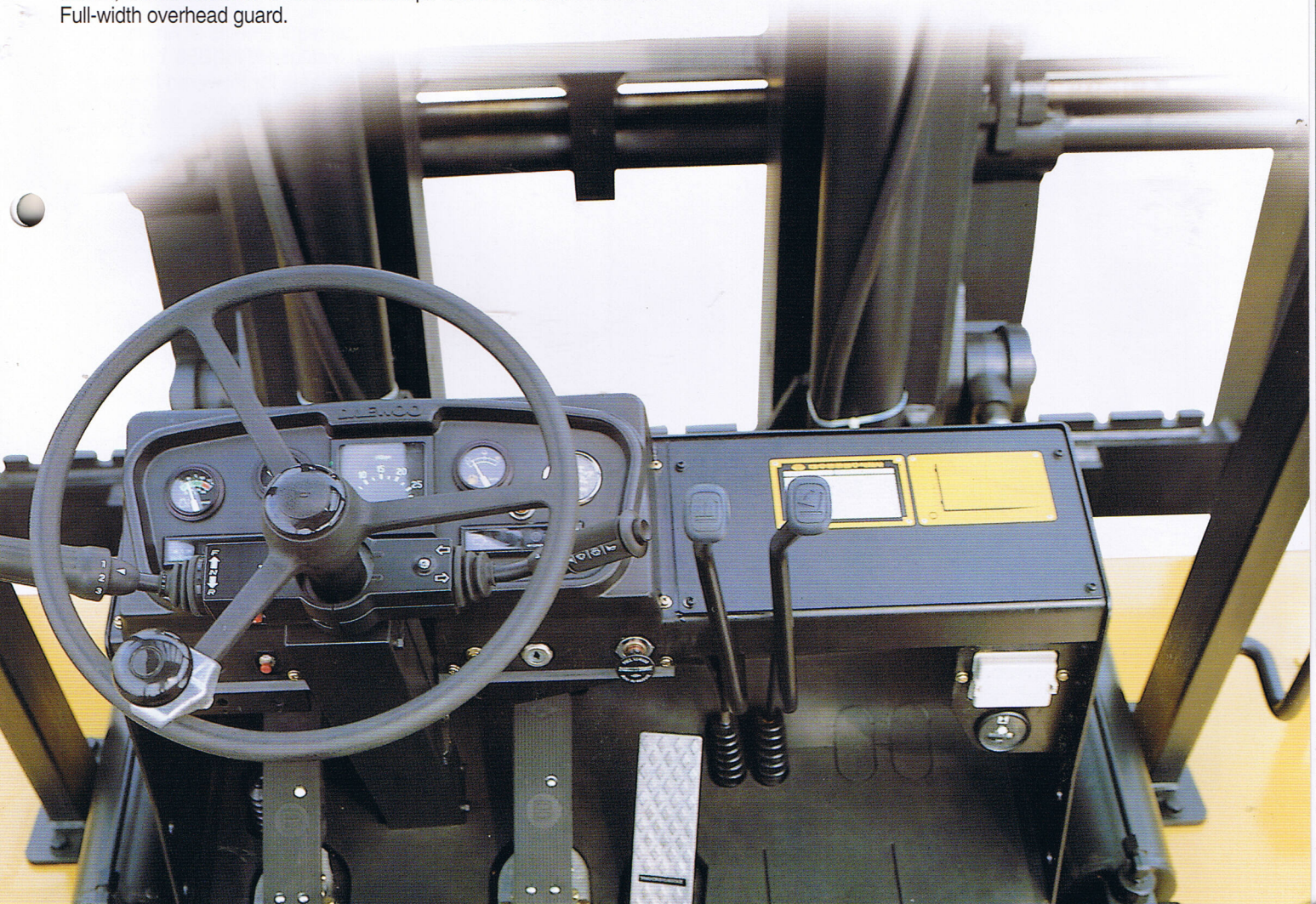


The standard shaft-type carriage is built to handle wide, heavy loads

Optional sideshift carriage and special attachments are available to meet specific application requirements.

Operator's Compartment

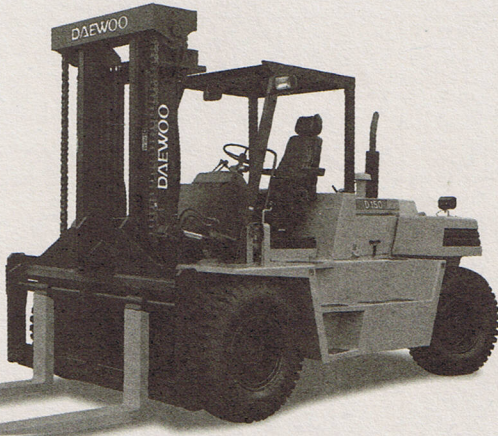
Suspension seat adjusts fore and aft a total of 100mm, up and down in 30mm, tiltable backrest. Skid-resistant steps and floor mat. Hand holds. Full-width overhead guard.



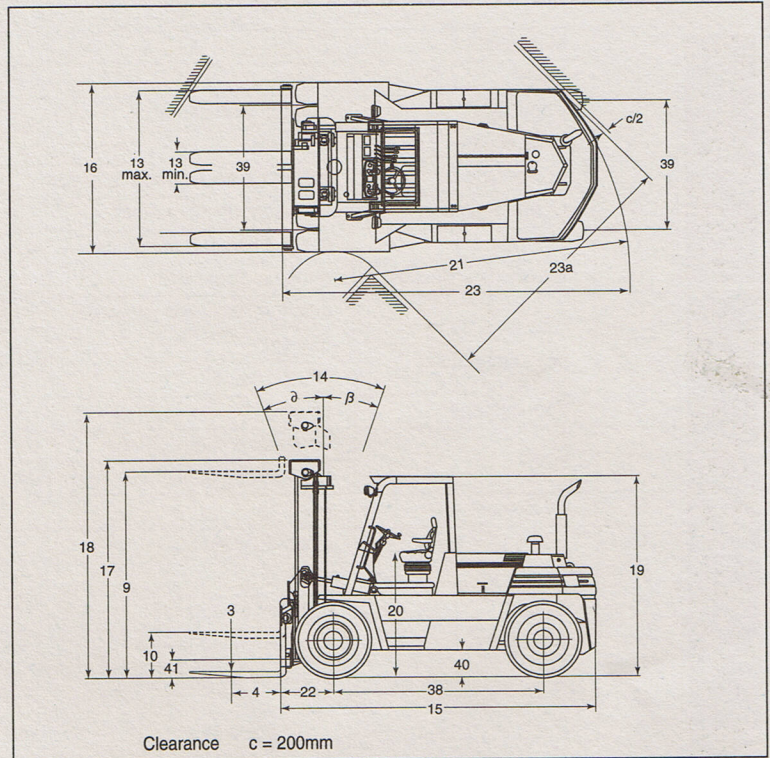
DAEWOO

D150

15,000kg



■ DIMENSIONAL DRAWINGS



■ STANDARD CONFIGURATION INCLUDES

- 8.0 L diesel engine
- Powershift transmission
- Air boosted brake system
- Power steering
- 2-section hydr. valve
- Tilt steering column
- Anti-restart ignition switch
- Electric fuel shut-off
- 24 Volt battery
- Dual element air cleaner
- Suspension seat (vinyl)
- 12.00×20, 18pr tires dual drive
- 12.00×20, 18pr tires single steer
- F. and R. floodlights

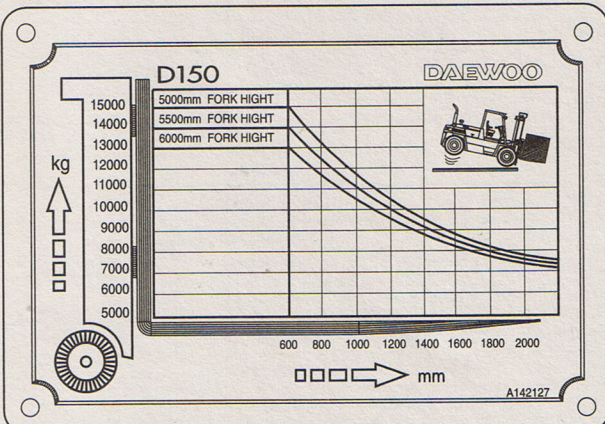
- F. and R. combination lights
- Overhead guard
- Roof window
- Backup alarm
- Rear view mirrors
- Knob-steering wheel
- Floor mat
- Toolkit
- 3500mm STD 2-stage mast
- Tilt cylinder (15fwd/12back)
- 2400mm shaft type carriage
- 1350mm forks

■ MAST PERFORMANCE

unit : mm

Truck Model	Mast Type	Max. Fork Height mm	Overall Height mm		Free Lift mm	Load Center mm	Rated Capacity kg
			Fully Lowered	Fully Extended			
D150	STD	3000	3170	4670	0	600	15000
		3500	3420	5170	0	600	15000
		4000	3670	5670	0	600	15000
		4500	3920	6170	0	600	15000
		5000	4370	6670	0	600	15000
		5500	4620	7370	0	600	14000
		6000	4870	7870	0	600	13000

■ LOAD CAPACITY CHART

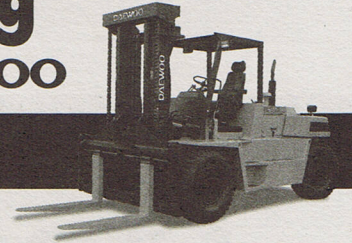


■ FORK SIZE

unit : mm

Truck Model	SPEC	WEIGHT kg	LENGTH mm	THICKNESS mm	WIDTH mm
D150		263	1200	85	200
		279	1350	85	200
		310	1500	90	200
		321	1600	90	200
		326	1650	90	200
		359	1800	95	200
		383	2000	95	200
		465	2400	100	200

15,000kg/12,000kg/10,000kg



D150/D120/D100

MAIN VEHICLE SPECIFICATIONS

unit : mm

CHARACTERISTICS	1	Manufacturer		Daewoo				
	2	Model		D150	D120	D100		
	3	Capacity	at rated load center	kg	15000	12000	10000	
	4	Load center	distance	mm	600			
	5	Power type	electric, diesel, gasoline, lp-gas		diesel			
	6	Operator type	stand-on, driver-seated		driver-seated			
	7	Tire type	c = cushion, p = pneumatic		P			
	8	Wheels (x = driven)	number, front / rear		2 X 2/2			
DIMENSIONS	9	Lift with STD two - stage mast	max. fork height with rated load	mm	3000			
	10		free lift	mm	0			
	11		special free lift	mm	-			
	12	Fork carriage	type		Shaft type			
	13	Forks	thickness x width x length	mm	85x200x1350	85x200x1350	70x200x1350	
			fork spacing (minimum x maximum)	mm	470x2290	470x2140	470x2140	
	14	Tilt of mast	(α / β)	deg	15/12			
	15	Overall dimensions	length to fork face	mm	4665	4355	4340	
	16		width	mm	2490	2350	2350	
	17		mast lowered height	mm	3170	2970	2970	
	18		mast extended height	mm	4670	4470	4470	
	19		overhead guard height	mm	2928	2765	2765	
	20		seat height	mm	1820	1660	1660	
	21	Turning radius (minimum outside)		mm	4350	3840	3840	
22	LMC(center of front axle to fork face)		mm	795	755	755		
23	Aisle 90° stacking (add load length)		mm	5145	4765	4760		
23a	Aisle 90° intersect		mm	3800	3490	3470		
PERFORMANCE	24	Speeds	travel, loaded / unloaded	km/h(mph)	28.0(17.4)/32.0(19.8)	32.5(20.1)/35.5(21.7)	32.5(20.1)/35.5(21.7)	
	25		lift, loaded / unloaded	m/s(fpm)	0.35(69)/ 0.38(75)	0.38(75)/0.43(85)	0.39(77)/0.43(85)	
	26		lowering, loaded / unloaded	m/s(fpm)	0.41(81)/ 0.38(75)	0.45(89)/0.40(79)	0.45(89)/0.40(79)	
	28	Drawbar pull	at 1.6 km/h, loaded	kg	11800	8460	8570	
30	Gradeability	at 1.6 km/h, loaded	%	36.0	29.5	35		
WEIGHT	32	Total weight	unloaded	kg	17580	15130	13750	
	33	Axle load	with load, front/rear	kg	29800/2780	24310/2560	21160/2290	
			without load, front/rear	kg	8050/9530	6570/8300	6390/7060	
CHASSIS	35	Tires	number of front/rear		2 x 2/2			
	36		size, front		12.00 x 20-18PR	10.00 x 20-16PR	10.00 x 20-16PR	
	37		size, rear		12.00 x 20-18PR	10.00 x 20-16PR	10.00 x 20-16PR	
	38	Wheelbase		mm	3100	2850	2850	
	39	Tread width	front	mm	1825	1724	1724	
			rear	mm	1910	1860	1860	
	40	Ground clearance	loaded	at center of truck	mm	370	360	360
	41			at lowest point	mm	220	230	230
42	Brakes	service		foot/air				
43		parking		hand/air				
POWER TRAIN	45	Battery	voltage/amphere-hour	v-ah	24(12 x 2)-100			
	49	Engine	manufacturer/model		Daewoo/D1146			
	50		rated output (at rpm)	ps/rpm	158/2200	133/2200	133/2200	
			(DIN)	(kW/hp)	116/155	97/131	97/131	
	51		max. torque	kgm/rpm	59/1600	45/1600	45/1600	
	52	cycle/cylinders/displacement	cc	4/6/8071				
	55	Transmission	type		power shift			
56	no. speeds forward/reverse			3/3				
57	Relief pressure	System / attachments	Bar	210/140	190/140	190/140		



Anechoic Chamber

This lab's activities are aimed at reducing noise level and improving sound quality on all Daewoo lift trucks.

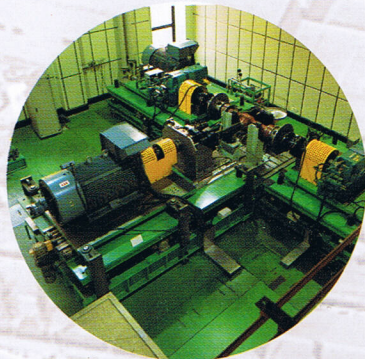


Chassis Dynamometer Lab

Vehicles are tested during development to ensure superior performance. Lab work includes heat balancing tests, driving durability evaluation and traction analysis.

Center for Product Reliability

Daewoo Heavy Industries opened Korea's first world class Center for Product Reliability. The new center is comprised of 13 testing laboratories, which feature advanced testing equipment. By performing sophisticated tests on all components and completed products, the center plays a leading role in the company's research and development efforts as well as in setting new performance standards for future generation products.



Transmission Testing Lab

Since the performance of the transmission unit defines most of the characteristics of the vehicles, our power transmission unit is tested under the most severe conditions during every development stage.



Climate Chamber

In this larger chamber, the dynamic/static performance of machines, engines and vehicles can be evaluated under various environmental conditions. The control capability of temperature range is -40 to +80 degrees celsius, and humidity range is 20% to 90%. This chamber can simulate field climate conditions found anywhere in the world.

In some cases the photographs in this catalog show optional equipment. Specification values quoted in this catalog have been rounded, and direct conversions from metric may be slightly different from those shown. DAEWOO products and specifications are subject to improvement and change without notice. Performance may vary due to operating conditions. The performance shown represents nominal values obtained under typical operating conditions.

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