

VOLVO WHEEL LOADERS
L20F, L25F



MORE CARE. BUILT IN.



ON TO YOUR NEXT PERFORMANCE.

The Volvo L20F and L25F compact wheel loaders are built to give your productivity a needed lift. The right power. The right performance. It's something you can depend on every day, no matter what the day's jobs have in store for you. Lifting, loading and moving swiftly, Volvo is ready to perform.

Performance to move you

Powerful Volvo D3D 4-cylinder diesel engine provides excellent overall performance.

- Outstanding operating weight-to-load capacity ratings.
- Natural aspiration air/oil cooled.
- Self-bleeding fuel system gets rid of unwanted air if you run out of fuel.
- Complies with US EPA Tier 4i / Stage 3A standards for quiet, low emission operation.

Volvo's parallel linkage

- Excellent visibility for attachments, forks and buckets.
- Ensures optimum lifting height and reach during high truck loading.
- 100% parallelism of the loading fork.
- Easy to operate. Versatile.

Brake system

Service brake: reliable dual braking system, acting upon all four wheels.

- Wear-free, hydrostatic inching brake.
- Central friction brake, actuated via "inch/brake pedal".

First stage of pedal stroke actuates the inching facility, the last third of pedal stroke applies the central friction brake.

Parking brake: central drum brake, acting upon all four wheels.

The right size

The compact design with machine height below **8' 2"** (2500 mm) provides easy access to confining work spaces, such as urban areas.

The right speed

Hydrostatic inch valve allows operators to adapt travel speed to the application.

- Precise drive speed control for special applications.

Volvo attachments

Optional attachment bracket works with skid steer loader attachments or for increased productivity and versatility.

Excellent all-around visibility

The cab features a very large glazed surface area on all four sides of the machine.

- Excellent visibility for improved jobsite safety.
- Increased view to the attachments for faster, safer work.

You are in control

Conveniently-located central dashboard keeps all function controls within easy view.

- Control lights/indicators include: differential lock, hydraulic oil filter, hydraulic oil temperature, battery charge, air filter, engine oil pressure, engine oil temperature, handbrake, preheating, forward/reverse direction, machine speed, fuel gauge, hour meter.

The ergonomic, multi-function joystick lever makes handling of machine controls effortless.

- Lift, lower, float, tilting forward and reverse, forward, neutral, reverse, differential locks.
- The articulating/oscillating joint keeps it stable.

Work in comfort

The fully-adjustable seat can be suited to each operator.

- Adjust: the amount of seat spring, seat forward/rearward, seat back angle.
- More comfort and less fatigue for more productivity.

Heating, de-misting and de-frosting ensures clear visibility and comfort in all climates.

- New heavy-duty, 3-step heating blower.
- Efficient heating for all windows and throughout the cab, including foot areas.

Less operating fatigue

Optional adjustable steering column reduces operator fatigue for improved productivity.

Cab sound proofing provides a safer, quieter operating environment.



- 100% operator-selectable front/rear differential locks.



LOADED WITH FEATURES.

Full cab filtration

- With the windows closed, the operator can breathe filtered air for safe operation in dusty conditions.

Volvo Care Cab

- Safe, quiet and comfortable, the Volvo cab offers excellent all-around visibility.

Parallel linkage

- Excellent attachment visibility and optimum lifting height and reach.



Maximize attachments use

- Optional attachment bracket increases productivity by working with attachments from other machines.



See more, do more

- Extra bright cab work lights provide extra illumination in low light.

Powerful Volvo engine

- Outstanding overall performance with emission compliance.

100% locking differentials

- Both front and rear axles have fully-locking differentials.

Excellent stability

- Articulating/oscillating center joint delivers excellent stability and maneuverability.



L20F & L25F SPECIFICATIONS

Engine

Volvo in-line 4-cylinder, 4 stroke, direct injection diesel engine, oil/air cooled. Air cleaning: 1. Paper filter with indicator in cab. 2. Safety filter. Compliant to Tier 4i / Stage 3A environmental regulations.

	L20F	L25F
Engine Tier 4i / Stage 3A	D3.6D	D3.6D
Gross power @	(2,300 r/min)	(2,300 r/min)
SAE J1995	56 hp (41.7 kW)	62 hp (46.2 kW)
Net power @	(2,300 r/min)	(2,300 r/min)
SAE J1349 - DIN ISO 1585	54 hp (40.2 kW)	60 hp (44.7 kW)
Max torque @	(1,700 r/min)	(1,700 r/min)
SAE J1349 net DIN ISO 1585	132.7 lbf-ft (180 Nm)	140 lbf-ft (190 Nm)
DIN ISO 1585	132.7 lbf-ft (180 Nm)	140 lbf-ft (190 Nm)
Cubic capacity	221 in³ (3,620 cm ³)	221 in³ (3,620 cm ³)
Bore	3.7 in (94 mm)	3.77 in (96 mm)
Stroke	4.4 in (112 mm)	4.9 in (125 mm)

Electrical system

	L20F	L25F
Voltage/Battery capacity	12 V - 88 Ah	12 V - 88 Ah
Alternator rating	1120 - 80 W/A	1120 - 80 W/A
Starter motor output	3.0 hp (2.2 kW)	3.0 hp (2.2 kW)

Drivetrain

	L20F	L25F
Oscillation at wheel, max.	8.8" (226 mm)	10" (245 mm)
Track	4' 3" (1,300 mm)	4' 6" (1,410 mm)
Angle of oscillation	±10°	±10°
Tire /Rim size	400/70 R18	400/70 R18

Maximum speed:

1st range forward/reverse	2.8 mph (4.5 km/h)	3.1 mph (5 km/h)
2nd range forward/reverse	12.4 mph (20 km/h)	12.4 mph (20 km/h)

Brake system

Service brake: reliable dual braking system, acting upon all four wheels.

Steering system

Hydrostatic steering. Central articulating-oscillating joint.

Steering pump: gear-type pump.

Steering:	L20F	L25F
Angle of articulation	±38°	±38°

Steering system

Steering pump:	L20F	L25F
Flow @ engine r/min	6.6 gal/min (25 l/min)	6.6 gal/min (25 l/min)
Relief valve pressure	2,683 PSI (185 bar)	2,683 PSI (185 bar)

Cab

Instrumentation: All important information is located in the operator's field of vision.

Hydraulic system

Thermostatically controlled oil circuit with integrated cooling system. Hydraulic control valve: double acting control valve with three spool system.

	L20F	L25F
Control	Control valve three-spool system.	
3rd hydraulic circuit		
Flow @ engine r/min	14.5 gal/min (55 l/min)	14.5 gal/min (55 l/min)
Relief valve pressure	2,900 PSI (200 bar)	3,335 PSI (230 bar)

Linkage

Parallel linkage with high breakout force and exact parallel liftarm action.

	L20F	L25F
Lift cylinders		
Tilt cylinders	1/1	1/1
Lift time (loaded)	6.0 s	6.0 s
Lowering time (empty)	4.0 s	4.0 s
Dump time	2.0 s	2.0 s
Crowd time	1.5 s	1.5 s

Capacities

	L20F	L25F
Engine	2.8 gal (10.5 l)	2.8 gal (10.5 l)
Fuel tank	15.8 gal (60.0 l)	15.8 gal (60.0 l)
Front axle	1.1 gal (4.1 l)	1.1 gal (4.1 l)
Rear axle, incl. drop-box	1.5 gal (5.8 l)	1.5 gal (5.8 l)
Hydraulic tank, incl. hydraulic system	15.8 gal (60.0 l)	15.8 gal (60.0 l)

Noise levels*

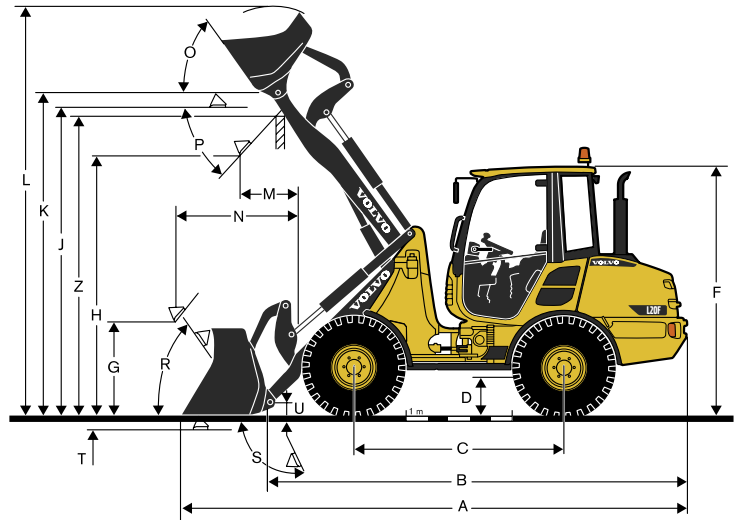
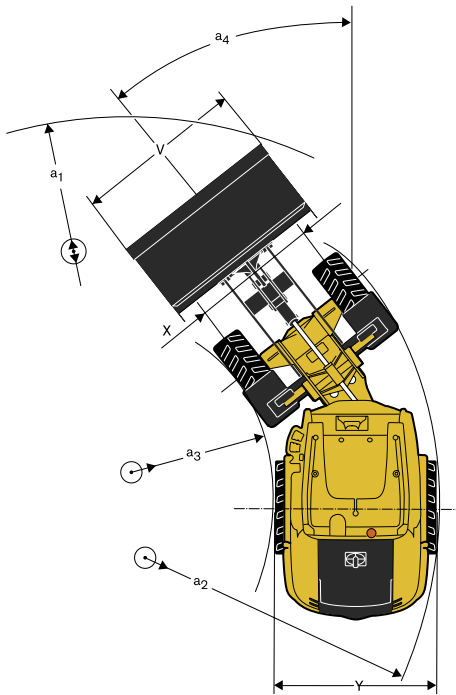
	L20F	L25F
Sound pressure level at operator position (cab)	74 dB(A)	75 dB(A)
(Measurement according to ISO 6396)		
Sound power level (LWA) around the machine	99 dB(A)	99 dB(A)
(Measurement according to 2000/14/EC with applicable appendices and measuring method according to ISO 6395)		

Whole body vibrations

Emission of whole-body vibration values and its uncertainties during operating conditions in different applications, when the machine is used as intended, is according to information in ISO/CEN Technical Report ISO/TR25398.

*NOTE! Uncertainties in given noise values (e.g. uncertainty in production and measuring instruments) are calculated in accordance with ISO 6395:2008 for the sound power level around the machine and ISO 6396:2008 for the sound pressure level at the operator position.

L20F

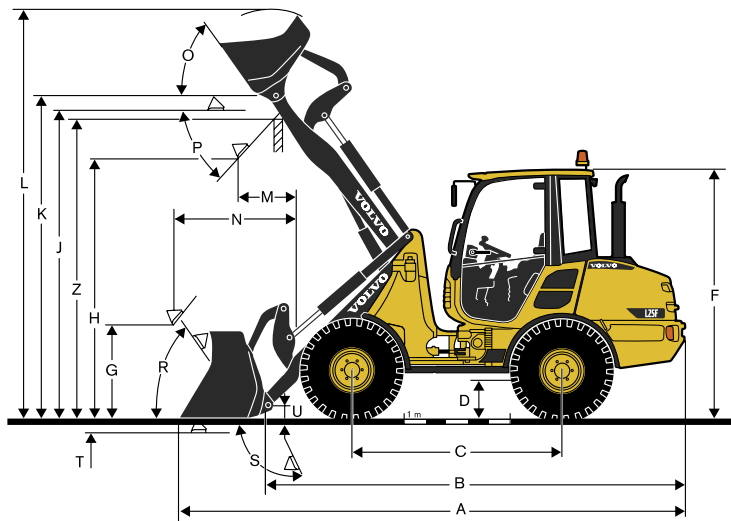
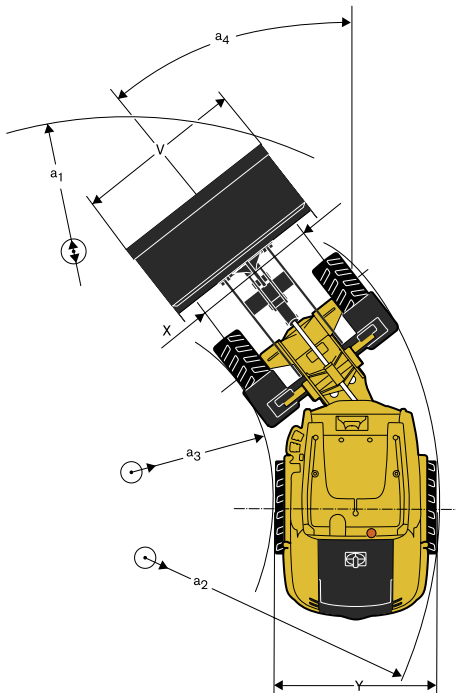


Data according to bucket type		Gen. Purpose without teeth		Light material	
L20F with parallel linkage, SSL attachment carrier and 400/70 R18 tires					
Capacity heaped	yd ³ (m ³)	0.85 (0.65)	1.0 (0.8)	1.25 (0.95)	
Material density	lb/yd ³ (kg/m ³)	3,540 (2,100)	2,865 (1,700)	2,360 (1,400)	
Static tipping load, straight (ISO / DIS)	lb (kg)	7,055 (3,200)	6,835 (3,100)	6,725 (3,050)	
Static tipping load, full turn 38° (ISO / DIS)	lb (kg)	6,175 (2,800)	6,065 (2,750)	5,950 (2,700)	
Hydraulic lifting capacity, max.	lbf (kN)	7,645 (34.0)	7,420 (33.0)	7,195 (32.0)	
Breakout force	lbf (kN)	6,970 (31.0)	6,070 (27.0)	5,395 (24.0)	
A Total length	ft in (mm)	16' 8" (5,070)	16' 12" (5,170)	17' 4" (5,270)	
L Lift height, max.	ft in (mm)	13' 7" (4,135)	13' 9" (4,200)	14' 1" (4,280)	
V Bucket width	ft in (mm)	5' 11" (1,800)	5' 11" (1,800)	5' 11" (1,800)	
a ₁ Clearance circle	ft in (mm)	27' 6" (8,365)	27' 8" (8,420)	27' 10" (8,475)	
T Digging depth	ft in (mm)	0' 3" (70.0)	0' 3" (70.0)	0' 3" (70.0)	
H Dump height	ft in (mm)	8' 3" (2,510)	8' 0" (2,435)	7' 9" (2,355)	
M Reach at max. height	ft in (mm)	2' 4" (710)	2' 7" (775)	2' 9" (835)	
N Reach, max.	ft in (mm)	5' 0" (1,530)	5' 3" (1,590)	5' 5" (1,650)	
Operating weight	lb (kg)	9,945 (4,510)	10,030 (4,550)	10,120 (4,590)	

L20F with parallel linkage, SSL attachment carrier and 400/70 R18 tires	
B	13' 11" (4,230 mm)
C	6' 9" (2,050 mm)
D	1' 1" (325 mm)
F	8' 2" (2,485 mm)
G	2' 10" (875 mm)
J	9' 11" (3,030 mm)
K	10' 4" (3,150 mm)
O	(56°)
P	(45°)
R	(56°)
S	(65°)
U	0' 5" (120 mm)
X	4' 4" (1,320 mm)
Y	5' 8" (1,724 mm)
Z	9' 8" (2,955 mm)
a ₂	12' 8" (3,870 mm)
a ₃	6' 11" (2,105 mm)
a ₄	±38°

Data with loading fork		
Center of gravity 19.69" (500 mm)		
Tipping load, full turn (ISO / DIS)	lb (kg)	4,785 (2,170)
Payload according to EN 474-3, 60/80%	lb (kg)	2,870/3,750 (1,300/1,700)
Payload 80%, transport position, 38° full turn	lb (kg)	4,520 (2,050)

L25F



Data according to bucket type		Gen. Purpose without teeth		Light material	
L25F with parallel linkage, SSL attachment carrier and 400/70 R18 tires					
Capacity heaped	yd³ (m³)	1.0 (0,85)	1.3 (1,0)	1.6 (1,2)	
Material density	lb/yd³ (kg/m³)	3,200 (1,900)	2,700 (1,600)	2,200 (1,300)	
Static tipping load, straight (ISO / DIS)	lb (kg)	8,375 (3,800)	8,270 (3,750)	8,155 (3,700)	
Static tipping load, full turn 38° (ISO / DIS)	lb (kg)	7,495 (3,400)	7,385 (3,350)	7,275 (3,300)	
Hydraulic lifting capacity, max.	lbf (kN)	9,215 (41,0)	9,035 (40,2)	8,880 (39,5)	
Breakout force	lbf (kN)	8,320 (37,0)	7,305 (32,5)	6,520 (29,0)	
A Total length	ft in (mm)	16' 8" (5,070)	16' 12" (5,170)	17' 4" (5,270)	
L Lift height, max.	ft in (mm)	13' 6" (4,115)	13' 10" (4,210)	14' 2" (4,305)	
V Bucket width	ft in (mm)	5' 11" (1,800)	5' 11" (1,800)	5' 11" (1,800)	
a ₁ Clearance circle	ft in (mm)	27' 6" (8,370)	27' 8" (8,420)	27' 10" (8,480)	
T Digging depth	ft in (mm)	0' 4" (90)	0' 4" (90)	0' 4" (90)	
H Dump height	ft in (mm)	8' 2" (2,490)	7' 11" (2,420)	7' 9" (2,350)	
M Reach at max. height	ft in (mm)	2' 2" (665)	2' 5" (730)	2' 8" (805)	
N Reach, max.	ft in (mm)	4' 10" (1,480)	5' 1" (1,545)	5' 4" (1,620)	
Operating weight	lb (kg)	10,650 (4,830)	10,715 (4,860)	10,825 (4,910)	

L25F with parallel linkage, SSL attachment carrier and 400/70 R18 tires	
B	13' 11" (4,230 mm)
C	6' 9" (2,050 mm)
D	1' 1" (325 mm)
F	8' 2" (2,485 mm)
G	2' 10" (860 mm)
J	9' 10" (3,005 mm)
K	10' 4" (3,150 mm)
O	(56°)
P	(45°)
R	(56°)
S	(65°)
U	0' 6" (145 mm)
X	4' 4" (1,320 mm)
Y	5' 8" (1,724 mm)
Z	9' 6" (2,905 mm)
a ₂	12' 8" (3,870 mm)
a ₃	6' 11" (2,105 mm)
a ₄	±38°

Data with loading fork		
Center of gravity 19.69" (500 mm)		
Tipping load, full turn (ISO / DIS)	lb (kg)	5,885 (2,670)
Payload according to EN 474-3, 60/80%	lb (kg)	3,525/4,630 (1,600/2,100)
Payload 80%, transport position, 38° full turn	lb (kg)	5,510 (2,500)

STANDARD EQUIPMENT

Engine

Diesel engine, direct fuel injection
Extra fuel filter
Cold start aid
Dry-type air filter

Electrical system

Alternator 80 A

Lighting

Main head lights (halogen) upper/dipped/
asymmetrical
Working light
Parking lights
Rear lights
Brake lights
Direction indicators
Hazard warning lights
Cab lighting

Instrumentation & controls

Multi-function lever
12 Volt accessories socket
Forward horn
Hazard warning switch
Safety start
Analogue information for:
Fuel level
Operating hours
Illuminated symbols for:
Differential locks
Battery charging
Indicators (left/right)
Main beam head lamp
Pre-heater (option)
Direction (forward/reverse)

Travel (quick, slow)
Fuel level
Illuminated symbols with acoustic signal
(with ignition on) for:
Engine temperature
Engine oil pressure
Hydraulic oil temperature
Hydraulic oil filter
Air filter restriction
Parking brake

Drivetrain

Hydrostatic drive
Operator-selected 100% differential locks in
both axles

Cab Exterior

ROPS/FOPS-cab with flexible mountings
Lockable door
All-round tinted safety glass
Windshield wiper (front/rear)
Windshield washer (front/rear)
Openable window on the right side.
Door stops
External rear view mirrors (right/left)

Cab Interior

4-way adjustable operator's seat
Seat belt
Sun visor
Heater with air-filter and defroster (front/rear)
Cab ventilation
Storage box in cab

Safety

Audible reverse alarm

Hydraulic system

Gear-type pump
Control valve three-spool system
3rd hydraulic circuit

Working Equipment

Hydraulic attachment bracket
Bucket level indicator

Carriage Body

Fenders (front/rear)
Lockable engine hood
Vertical exhaust
Towing device
Lifting eyes
Tying down eyes

International Standards for Machines and Production

Quality: DIN/ISO 9001
Safety: CE - Criteron
Machine guide-lines 2006/42/EC
ROPS ISO 3471
FOPS ISO 3449
Operating weight: ISO 7131
Tipping load / Payload: ISO 14397-1
EMC (Electromagnetic Compatibility)
89/336/EEC plus supplement
Environment: DIN/ISO 14001
Sound regulation: 2000/14/EC

OPTIONAL EQUIPMENT (Standard on certain markets)

Engine equipment

Pre-heater
Pre cleaner air filter (Turbo II)
Oil bath air filter

Cab

Hand throttle
Hand control inch valve
Air-conditioner
Radio/MP3

Adjustable steering column.
Air suspension operator's seat

Working Equipment

Bucket level indicator

Hydraulic system

Hydraulic couplings for:
3rd hydraulic circuit
4th hydraulic circuit
Additional high flow pump
Single lever with integrated 3rd function

Environment

Biodegradable hydraulic oils

Safety

Rotating beacon
Anti-theft system
Protective guards for:
Main head lights
Working lights
Rear lights

Service and maintenance

Tool kit

CUSTOMER SUPPORT NORTH AMERICA



CareTrack - Volvo's telematics system works with Volvo's exclusive machine tracking info system, MATRIS, using guided diagnostics to track and analyze your machines remotely minimizing costs and maximizing uptime.



Customer Support Agreements - Gives you peace of mind by reducing total ownership costs, maximizing uptime, and distributing maintenance and major repair costs.



Parts - Genuine Volvo Parts and certified Volvo technicians will keep your machine running and working hard over the long haul.



Attachments - Providing customers with a wide variety of attachments to keep your machine working and to open up new job opportunities.

THE VOLVO GROUP NORTH AMERICA



Volvo Trucks - With manufacturing that began in 1928, Volvo is the world's second-largest producer of heavy trucks, marketed in over 130 countries.



Volvo Financial Services - Develops and coordinates Volvo's operations within customer financing and related services.



Mack Trucks - One of the largest manufacturers of heavy trucks in North America and leader in the vocational segment of the North American truck market.



Volvo Bus Corporation - The world's second-largest bus manufacturer, with production in Europe, North and South America, and Asia.



Volvo Aero Corporation - Develops and manufactures components for civil and military aircraft engines, space rockets, and land-based gas turbines.



Volvo Penta - Provides engines and complete power systems to boats and power-generating equipment through over 5,000 dealers globally.



Volvo Construction Equipment is different. Our machines are designed, built and supported in a different way. That difference comes from an engineering heritage of over 175 years. A heritage of thinking first about the people who actually use the machines. About how to help them be safer, more comfortable, more productive. About the environment we all share. The result of that thinking is a growing range of machines and a global support network dedicated to helping you do more. People around the world are proud to use Volvo. And we're proud of what makes Volvo different – **More care. Built in.**



Not all products are available in all markets. Under our policy of continuous improvement, we reserve the right to change specifications and design without prior notice. The illustrations do not necessarily show the standard version of the machine.

VOLVO

Volvo Construction Equipment
www.volvoce.com/na

Ref. No. VOE22A1006322
Printed in USA 06/10 - 0,5
Volvo, Asheville
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English
USA