

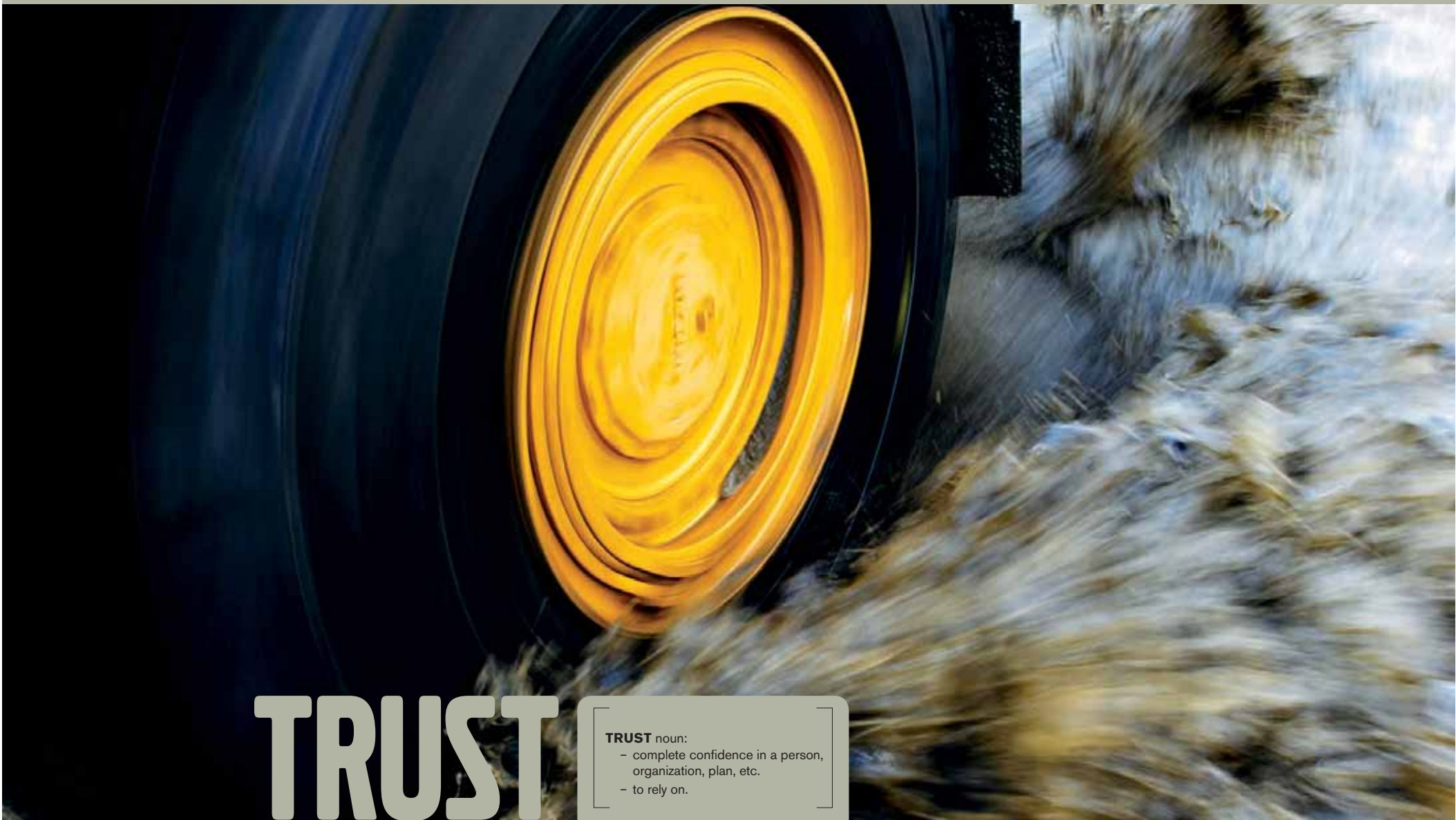
VOLVO WHEEL LOADERS - INTRODUCING THE

F-SERIES



MORE CARE. BUILT IN.





TRUST

TRUST noun:

- complete confidence in a person, organization, plan, etc.
- to rely on.

Relax it's a Volvo

Each and every machine in the Volvo F-Series is a genuine Volvo. They're all advanced solutions that function – even under the roughest conditions. And like all Volvos, they have more uptime, more value, more safety and, of course, more care built right in.

The F-Series is a complete range of new loaders. They're chockfull of innovative technology designed to do what we believe we do best: Safeguard your operators, the environment and your investment, while advancing the health and the prosperity of your business.

Some things we're particularly proud of

For example, the F-Series features late-generation V-ACT (Volvo Advanced Combustion Technology) engines. They're relentlessly powerful, even at low, low speeds. And our brand new Care Cab protects your operators and your productivity better than ever before. Then there's our flagship model, the heavyweight Volvo L350F. It's brand-new from teeth to tailpipe and features a new powerful Volvo driveline – 16-liter engine, HTE transmission and heavy-duty axels.

Why you should rely on us

The F-Series is backed by the full strength of Volvo Construction Equipment, which has been an industry force since we developed our first wheel loader more than 75 years ago.

We create value through focused development, uncompromising trustworthiness and constant attention to your return on investment. We have years of experience partnering with customers to provide tailored full-service maintenance and repairs. Our extensive stocks of Genuine Volvo parts and kits at sites around the world let us promise the shortest possible lead-times. And we provide speedy response whenever needed. Simply put, we're always there to help. And we always will be.

What the Volvo F-Series can do for your business

So sit back. Rely on a company with more experience, more skill and more dedication to your results than anyone else in the industry. And see what the new Volvo F-Series can do for your business.

The features described in this brochure are not necessarily available on all models in all markets. See the product brochures for the respective models for detailed specifications and information about standard equipment and optional equipment.





STRENGTH

STRENGTH noun:

- the quality or state of being strong.
- ability to do or to bear.
- capacity for exertion or endurance.
- power to resist force.

A force to be reckoned with

The combined resources of Volvo Construction Equipment and the Volvo Group let us equip you to live up to the demands of an increasingly competitive market. At some of the most sophisticated research centres on earth, we've concentrated our efforts on innovations that provide tangible value for our customers. Like high productivity and low operating costs – which are just a few of the advantages embodied in the new Volvo F-Series.

High power. Low revs. Top yield.

The F-Series features new-generation V-ACT engines. They generate more power and more torque at the lowest possible revs for impressive productivity that's extremely cost-efficient. And they meet even the strictest emissions legislation – while putting every last drop of fuel to good use.

Super smooth, extra effective

For the fastest, most efficient work cycles around, the F-Series loaders have Volvo Full Automatic Power Shift transmission, which provides automatic gearshift in a new, more comfortable way. It automatically finds the right gear. So the perfect amount of

power is always applied. Operation is comfortable, wear-and-tear is lower and you save on fuel.

Strength + smarts = precision power

Thanks to an intelligent load-sensing hydraulic system, our new wheel loaders use their muscle to maximum effect. Traction, breakout and lifting force is always balanced perfectly for accuracy and effectiveness. You get strength where you need it, with lower fuel consumption, lower emissions, less wear and tear – and stronger business results – to follow.



Can a loader be strong and flexible?

The F-Series wheel loaders are all that and more. They're a successful marriage of uncommon strength and exceptional intelligence: Tough enough to stay up and running hour after hour, shift after shift, day after day. Cost-efficient. And versatile enough to take on just about any job.

Whichever you choose

The F-Series is a complete range of loaders based on an integrated platform and largely interchangeable systems and components. From the heavyweight Volvo L350F, the L220F, L180F and L150F to the mid-size, L110F, and L120F to the maneuverable and remarkably versatile L60F, L70F and L90F, the F-Series offers a world of possibilities. So whether you're in the market for a real workhorse or a jack-of-all-trades, we have a loader that will suit your purpose – or purposes – to perfection.

Who needs 768 different buckets?

You do. Because using the right tool for the right job can give you up to 30% better fuel efficiency while increasing production and prolonging the service life of your machine. That's why we

offer such a broad selection of genuine Volvo buckets. And why we're prepared to make bucket number 769 to order if you need it.

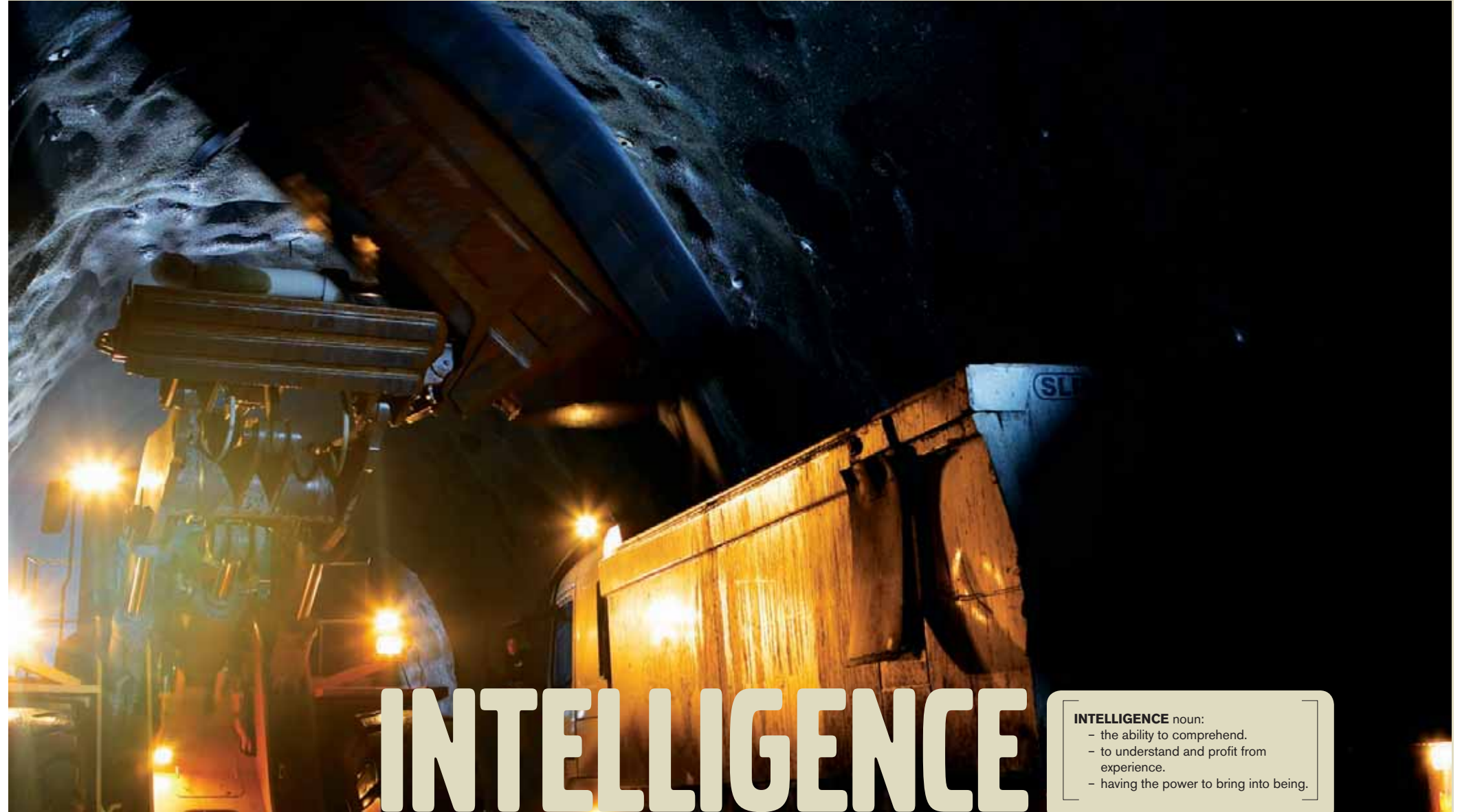
We provide lots of other attachments too, like log grapples, forks and a new side dump bucket, that work in perfect harmony with the new F-series. They let you tackle so many different applications with just a single machine.

And all our attachments are engineered to work with the patented parallel TP-linkage systems of the F-Series loaders to provide a unique combination of power and visibility.

Switch easy

We also offer hydraulic attachment brackets that let you change tools and tasks at almost-lightning speed – without leaving the comfort of your cab.





INTELLIGENCE

INTELLIGENCE noun:

- the ability to comprehend.
- to understand and profit from experience.
- having the power to bring into being.



ENDURANCE

ENDURANCE noun:

- to continue in the same state over time.
- the power to withstand hardship or stress.
- state or quality of lasting or duration.

Excellence takes on the elements

Total quality – made possible by clear objectives, clear responsibility and universal involvement – will see you through the worst of storms. That's why these concepts drive Volvo's approach to building stronger, more durable products. It's also why we use Volvo Total Quality Management (TQM) as a foundation for all our methods and processes.

Every Volvo is a quality concept in itself

Before we launch a new machine generation, we tough-test every system and component in our test rigs. Then we run the machines hard for thousands of hours in your reality and channel your feedback to our engineers. Our process means more test hours, better measuring precision and greater predictability. And it makes every Volvo into a quality concept in itself.

They keep on keeping on

We built more stamina right into the Volvo F-Series by protecting its components so well that they last longer and require a lot less maintenance. For example, firmly attached sealed conduits with rubber-encapsulated connectors and terminal caps keep dirt and water well away from electrical components.

Then there are the double-sealed pins and bushings and breathing filters that need changing only once a year. And the new rear axle bearings are completely maintenance-free because they are now lubricated for life. The F-Series also features new, reliable Volvo hydraulic hoses.

Genuine Volvo Parts

Anytime you talk about endurance, Genuine Volvo Parts are part of the story. Like Volvo machines, Volvo replacement parts have more care – and more quality – built right in. You always get the latest, most up-to-date parts, which are engineered to be perfectly compatible with your loaders.

Let us support you

The F-Series is backed by a wide range of flexible Volvo Customer Support Agreements that boost availability. They cover the entire spectrum of essential skills and services. From advanced monitoring and diagnostics, supporting precisely timed scheduled maintenance to skilled inspection, service, maintenance and repairs and even full responsibility for the complete care of your loaders for a fixed cost.





PROTECTION

PROTECTION noun:

- the activity of protecting someone or something.
- to cover or shield from danger or injury.
- to preserve in safety.

A holistic approach to staying safe

Over the years, a long list of innovative features has made Volvo an acknowledged leader in vehicle and equipment safety. Today, our concept of safety has evolved to encompass a broader context. So when we speak of safety, we're also talking about safe interactions with others on the roads and in work situations, and improved comfort and working conditions for operators.

Your success is in their hands

At the end of the day, if the cab isn't well designed, your operators won't be able to do their jobs well. That's why the entire F-Series comes equipped with Volvo Care Cabs – a working environment that's as safe as it is comfortable. Because people need a safe, comfortable environment to enjoy their work – and people who like what they do, do it better.

In the middle of it all sits the operator

The Care Cab was designed around the operator's needs: The steps he climbs are anti-slip, and the machine is equipped with iron bars to keep the operator safe when moving around on the machine. He steps into an ample cabin that lives up to the latest requirements for both FOPS and ROPS. He sits in an ergonomic,

adjustable, seat. Wrap-around windows provide a panoramic view. A patented air filter system re-circulates air to keep the inside environment cleaner. Plus it's well lit, climate-controlled and surprisingly quiet.

In full command

Operating a machine in the safest manner possible is the best way to avoid accidents. That's the reason the F-Series' active safety features are specifically designed to support operators. There's smooth load-sensing steering. And you can have a joystick-operated at-your-fingertips Comfort Drive Control, that includes end stroke dampening. In fact, from steering to suspension, to brakes to hydraulics your operators can trust us to keep them safe. And you can trust them to do a great job.



Technology that adds tangible value

At Volvo, we pay sharp attention to customer needs, to changes in society and to breakthrough technology. We concentrate our R&D efforts on innovations and systems that provide concrete value for our customers – such as higher availability and lower operating costs. This has led to a long list of groundbreaking improvements – including advanced digital technology.



Sustained performance and maximum uptime

Volvo Contronic is a comprehensive computerized monitoring solution on three levels that monitors functions in real-time and alerts the operator if a problem occurs. MATRIS tracks, analyzes and displays data on machine handling and operation, helping operators to objectively evaluate and improve their own handling habits and thus improve the performance, lifetime and productivity of their machines.

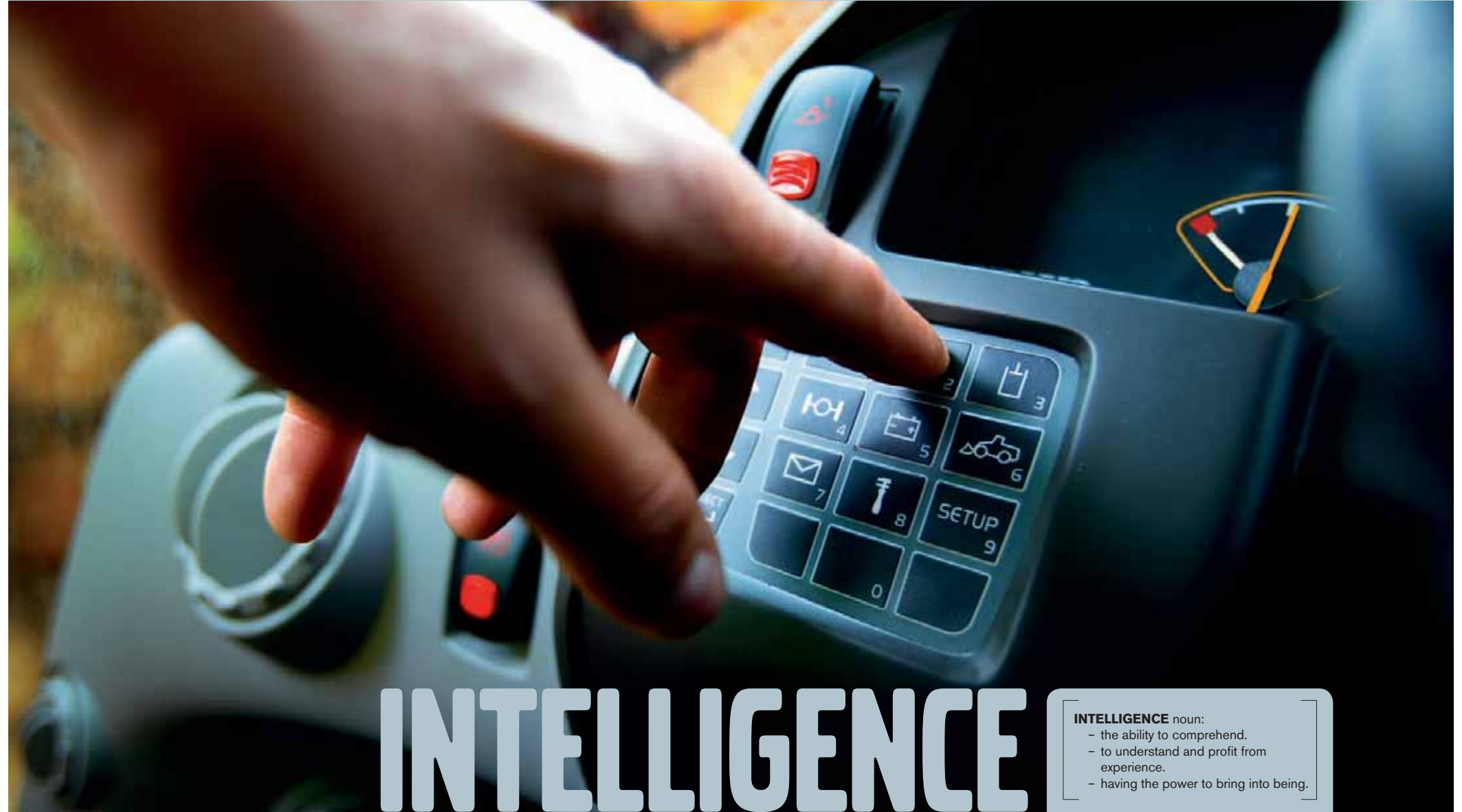
Suited to the job at hand

VCADS Pro is a one-of-a-kind systems on the market. It monitors up-to-the-minute work conditions, analyzes status, traces errors and guides technicians when doing repair jobs. One aim is to be

able to adapt the machine to the job at hand – once again, helping to improve performance, prolong maintenance intervals and cut time spent on service and repairs.

Remote diagnostics and monitoring

Then there's the unique CareTrack Advanced, our sophisticated remote monitoring and diagnostics system. CareTrack Advanced collects information over a wireless network in order to monitor and control work in the field. It provides split-second access to all the information – even from miles away from the work site. So it helps you make informed and timely decisions about maintenance and repairs.



INTELLIGENCE

INTELLIGENCE noun:

- the ability to comprehend.
- to understand and profit from experience.
- having the power to bring into being.



GROWTH

GROWTH noun:

- a process of becoming larger or longer or more numerous or more important.
- economic expansion.
- the growth of power.

Good day and good night

A successful construction business starts with the right equipment. Nevertheless, you need more than the best machines to grow your business to its full potential. That's why Volvo's offer is grounded in a holistic approach to supply and maintenance that turns top-tuned construction equipment into complete value-added solutions. We partner with you for the long haul.

Growth from the ground up

We help you get off to a good start – and finish ahead – with comprehensive, flexible financing, leasing, loan or rental agreements. First we work with you to assess your situation, examining your current and projected financial status and concerns. Then we look at your options. Because we know every business is different, we offer a full range of standard solutions as well as customized solutions to suit your needs.

Years of worry-free service

Once you have the fleet you need, we offer comprehensive Volvo Service Agreements. We know your machines intimately, so we're equipped to care for them well. You can choose the agreement that suits you best. We provide genuine Volvo Parts and value-added kits. And with inventory and service sites around the world, we're always right there when you need us.

Help with remarketing

Then when trade-in time rolls around, Volvo wheel loaders are known for consistently high resale value – plus we offer a comprehensive certification program for used equipment and support for remarketing.

The best way to grow your business

Take good care of your operators and they'll take good care of your equipment, your operations, and your ownership. It's that simple. And that crucial. That's why the F-Series loaders are all equipped with our exclusive Care Cab. Why they're designed for easy, enjoyable handling. And why detailed technical documentation and instructional material is supplied for every machine.

All in all, we take special care to make every day on the job a good day for your operators. So they can make every day a productive day on your site – and a good day for your business.





HARMONY

HARMONY noun:

- a harmonious state of things in general and of their properties.
- a design or composition as to produce unity of effect, as the harmony of the universe.

Growth that's sustainable

Volvo has been included in the Dow Jones Sustainability World Index for five years running, which places us among the top 10% of the world's best companies in terms of combining financial strength with environmental and social care. So while we clearly prioritize growth and financial health for our customers, we place equal weight on environmental protection and the effective use of our natural resources.

Breathe easy...

V-ACT engines, for example, not only contribute to making the F-Series extremely cost efficient, they also keep fuel consumption low. They feature Internal Exhaust Gas Recirculation, a simple and efficient solution for reducing emissions. Full Automatic Power Shift and load-sensing hydraulics – with biodegradable oil available – also lower fuel consumption and emissions, save wear and tear and extend the life of your machines.

One last thing about the F-Series

There's something else that's worth noting about the Volvo F-Series. Something that only becomes apparent years after

your purchase. You'll find that the F-Series wheel loaders will help you play your own active role in protecting the environment. Because, they come labeled with complete instructions on how to responsibly handle each and every part – and they're more than 95% recyclable.

Simply put, we've taken environmental impact into consideration at every stage of our products' lifecycles – from the drawing board to recycling.

Because in the long run, growth is important, but sustainable growth is vital.



EXPERIENCE

THE NEW VOLVO CARE CAB

Volvo Care Cab - larger, more comfortable and safer

- More spacious interior.
- Optimized visibility +22%.
- Viscous cab mounts reduce noise and vibration.
- Fully adjustable, suspended operator seat with seat belt.
- Dual-filter system for incoming air and air recirculation option.
- Automatic Heat Control (AHC) controls the cab temperature, ACC as option.
- Cab structure tested and approved according to all requirements (ISO/SAE).
- Contronic (electronic control system) monitors and protects the functioning of the machine and informs the operator of machine status.
- Anti-slip footsteps, wide and angled cab ladders and conveniently located handrails.





EXPERIENCE L60F, L70F, L90F

NEW Volvo diesel engine D6E - low emissions and low fuel consumption

- Volvo's Tier 3/Stage IIIA approved D6E engine features Volvo Advanced Combustion Technology (V-ACT).
- High torque at low revs - up to 15% more torque.
- Increased engine power - up to 13% more power.

NEW Increased tipping load

- Increased stability and up to 10% increased load capacity (L60F, L70F).
- High torque at low revs - up to 15% more torque.
- Increased engine power - up to 13% more power.

Wet disc brakes - safety in operation and long service life

- Outboard-mounted wet disc brakes with oil cooling and oil filter.
- Fully hydraulic dual circuit brake system.
- Automatic application of parking brake when engine is shut off.
- Electronic test of brake performance.
- Brake wear (pads) indicators on each wheel.

Flexibility to do many jobs - with just one machine

- TP-linkage and hydraulic attachment bracket for fast and easy changing of attachments*.
- Pilot-operated fingertip control makes changing of attachments easy.
- A complete range of attachments from Volvo.

Volvo Load-Sensing Hydraulics - increased productivity and low fuel consumption

- Provides power where and when it's needed.
- New Volvo hydraulic hoses.
- 3rd and 4th hydraulic functions enable use of hydraulically attachments*.

NEW Volvo transmission - smooth shifting and low fuel consumption

- HTE 110/120/125 transmission optimizes gear shifting under any operating conditions.
- Automatic Power Shift (APS) with four different gear-shifting programs.
- Downshifts to first gear automatically.
- Higher top speed - +25% (L90F).

Volvo Steering - smooth and precise

- Load-sensing steering.
- Comfort Drive Control* (CDC) allows steering with fingertip controls, with end-stroke dampening.



*Optional equipment.

**Volvo Boom Suspension System (BSS)*
- dramatically increased productivity**

- Absorbs shocks and contributes to less spill.
- Two operating modes promote faster, more comfortable work cycles.

NEW Volvo axles - long service life, high stability and less maintenance

- Heavy-duty axles with fully floating shafts with planetary hub reduction.
- Fixed front axle with 100% differential lock.
- Lubricated-for-life rear axle trunion bearings.

Maintenance and uptime - more hours on the job

- Electronic monitoring of fluid levels.
- Long maintenance and lubrication intervals.
- Easily accessible hatches and service points.
- Daily pre-start items quickly checked.
- Anti-slip service platforms, wide and angled cab ladders and conveniently located handrails.

Volvo Lift Arm System - TP-linkage combines power, precision and flexibility

- TP-linkage with high breakout force throughout entire lifting range.
- Parallel movement throughout the working range.
- Excellent attachment visibility.
- Long boom* reaching extra height.

Sealed off components - low costs and long service life

- Major components are vented via easy to replace filters, preventing dirty air from entering.
- Extra engine oil-bath pre-filter available*.

Volvo Frames - high stability and long service life

- Resists high stress levels.
- Provides excellent operational stability and low vibrations.

Specifications:

	L60F	L70F	L90F
Engine:	Volvo D6E LC E3	Volvo D6E LB E3	Volvo D6E LA E3
Max power at	28,3 r/s (1700 rpm)	28,3 r/s (1700 rpm)	28,3 r/s (1700 rpm)
SAE J1995 gross:	115 kW (156 metric hp)	126 kW (171 metric hp)	129 kW (175 metric hp)
	115 kW (154 bhp)	126 kW (169 bhp)	129 kW (173 bhp)
ISO 9249, SAEJ1349 net:	114 kW (155 metric hp)	125 kW (170 metric hp)	128 kW (174 metric hp)
	114 kW (153 bhp)	125 kW (168 bhp)	128 kW (172 bhp)
Breakout force:	82,9 kN* (18,637 lbf)	95,4 kN** (21,447 lbf)	118,5 kN*** (26,640 lbf)
Static tipping load at full turn:	7 380 kg* (16,270 lb)	8 420 kg** (18,563 lb)	9 570 kg*** (21,098 lb)
Buckets:	1,6-5,0 m ³ (2.1-6.5 yd ³)	2,0-6,4 m ³ (2.6-8.4 yd ³)	2,1-7,0 m ³ (2.7-9.2 yd ³)
Log grapples:	0,7-1,3 m ² (7.5-14.0 ft ²)	0,9-1,5 m ² (9.7-16.1 ft ²)	1,3-2,4 m ² (14.0-25.8 ft ²)
Operating weight:	11,0-12,3 t (24,250-27,116 lb)	12,7-15,0 t (28,000-30,860 lb)	15,0-17,0 t (33,070-37,480 lb)
Tires:	17.5 R25, 20.5 R25, 600/65 R25	20.5 R25, 600/65 R25	20.5 R25, 650/65 R25

* Bucket 2,1 m³ (2.8 yd³) straight with bolt-on edges, Tires: 20.5 R25 L2, Std. boom

** Bucket 2,3 m³ (3.0 yd³) straight with bolt-on edges, Tires: 20.5 R25 L2, Std. boom

*** Bucket 2,5 m³ (3.3 yd³) straight with bolt-on edges, Tires: 20.5 R25 L2, Std. boom

EXPERIENCE L110F, L120F

Volvo diesel engine D7E - low emissions and low fuel consumption

- Volvo's Tier 3/Stage IIIA approved D7E engine features Volvo Advanced Combustion Technology (V-ACT).
- High torque at low revs.

Volvo Load-Sensing Hydraulics - increased productivity and low fuel consumption

- Provides power where and when it's needed.
- New Volvo hydraulic hoses.
- 3rd and 4th hydraulic functions enable use of hydraulic attachments*.

Wet disc brakes - safety in operation and long service life

- Outboard-mounted wet disc brakes with oil cooling and oil filter.
- Fully hydraulic dual circuit brake system.
- Automatic application of parking brake when engine is shut off.
- Electronic test of brake performance.
- Brake wear (pads) indicators on each wheel.

Volvo axles - long service life, high stability and less maintenance

- Heavy-duty axles with fully floating shafts with planetary hub reduction.
- Fixed front axle with 100% differential lock.
- Lubricated-for-life rear axle trunion bearings.

Volvo transmission - smooth shifting and low fuel consumption

- HTE 204, 205 transmission optimizes gear shifting in every operation conditions.
- Automatic Power Shift (APS) with four different gear-shifting programs.
- Downshifts to first gear automatically.



Volvo Frames - high stability and long service life

- Resist high stress levels.
- Provide excellent operational stability and low vibrations.

NEW Electro hydraulic lever control*

- High precision.
- Adjustable lift and bucket angles.
- Return to dig.
- End position damping.

Flexibility to do many jobs - with just one machine

- TP-linkage and hydraulic attachment bracket for fast and easy changing of attachments*.
- Pilot-operated fingertip control makes changes easy.
- A complete range of attachments from Volvo.

Maintenance and uptime - more hours on the job

- Electronic monitoring of fluid levels.
- Long maintenance and lubrication intervals.
- Easily accessible hatches and service points.
- Daily pre-start items quickly checked.
- Anti-slip service platforms, wide and angled cab ladders and conveniently located handrails.

Volvo Boom Suspension System (BSS)* - dramatically increased productivity

- Absorbs shocks and contributes to less spill.
- Two operating modes promote faster, more comfortable work cycles.

Volvo Lift Arm System - TP-linkage combines power, precision and flexibility

- TP-linkage with high breakout force throughout entire lifting range.
- Parallel movement throughout the working range.
- Excellent attachment visibility.
- Long boom* reaching extra height.
- Automatic boom kick-out, boom lowering and bucket position.

Sealed off components - low costs and long service life

- Major components are vented via easy to replace filters, preventing dirty air from entering.
- Extra engine oil-bath pre-filter available as an option.



Volvo Steering - smooth and precise

- Load-sensing steering.
- Comfort Drive Control* (CDC) allows steering with fingertip controls, with end-stroke dampening.

*Optional equipment.

Specifications:

	L110F	120F
Engine:	Volvo D7E LB E3	Volvo D7E LA E3
Max power at SAE J1995 gross:	28,3 r/s (1700 rpm) 170 kW (231 metric hp) 170 kW (228 bhp)	28,3 r/s rpm (1700) 180 kW (245 metric hp) 180 kW (241 bhp)
ISO 9249, SAEJ1349 net:	169 kW (230 metric hp) 169 kW (227 bhp)	179 kW (243 metric hp) 179 kW (240 bhp)
Breakout force:	156.7 kN (35,228 lbf)*	164 kN (36,869 lbf)**
Static tipping load at full turn:	11 270 kg (24,846 lb)*	12 140 kg (26,764 lb)**
Buckets:	2,7-9,5 m ³ (3.5-12.4 yd ³)	2,6-9,5 m ³ (3.4-12.4 yd ³)
Log grapples:	1,1-2,4 m ² (11.8-25.8 ft ²)	1,1-2,4 m ² (11.8-25.8 ft ²)
Operating weight:	18,0-20,0 t (39,680-44,090 lb)	19,0 - 21,0 t (41,888-46,297 lb)
Tires:	23.5 R25, 750/65 R25	23.5 R25, 750/65 R25

* Bucket: 3,1 m³ (4.1 yd³) straight with bolt-on edges. Tires: 23.5 R25 L3, standard boom.

** Bucket: 3,4 m³ (4.5 yd³) straight with bolt-on edges. Tires: 23.5 R25 L3, standard boom.

EXPERIENCE

L150F, L180F, L220F

Volvo axles - long service life, high stability and less maintenance

- Heavy-duty axles with fully floating shafts with planetary hub reduction.
- Fixed front axle with 100% differential lock.
- Lubricated-for-life rear axle trunion bearings.

Volvo transmission - smooth shifting and low fuel consumption

- HTE 210, 220, 305 transmission optimizes gear shifting under all operating conditions.
- Automatic Power Shift (APS) with four different gear-shifting programs.
- Downshifts to first gear automatically.

Wet disc brakes - safety in operation and long service life

- Outboard-mounted wet disc brakes with oil cooling and oil filter.
- Fully hydraulic dual circuit brake system.
- Automatic application of service brake when engine is shut off.
- Electronic test of brake performance.
- Brake wear (pads) indicators on each wheel.

Volvo Frames - high stability and long service life

- Resist high stress levels.
- Provide excellent operational stability and low vibrations.

Volvo diesel engine D12E - low emissions and low fuel consumption

- Volvo's Tier 3/Stage IIIA approved D12E engine features Volvo Advanced Combustion Technology (V-ACT).
- High torque at low revs.



Volvo Load-Sensing Hydraulics - increased productivity and low fuel consumption.

- Provides power where and when it's needed.
- New Volvo hydraulic hoses.
- 3rd and 4th hydraulic functions enable use of hydraulic attachments*.

NEW Electro hydraulic lever control*

- High precision.
- Adjustable lift and bucket angles.
- Return to dig.
- End position damping.

Volvo Lift Arm System - TP-linkage combines power, precision and flexibility

- TP-linkage with high breakout force and increased tip load.
- Parallel movement throughout the working range.
- Excellent attachment visibility.
- Long boom* reaching extra height.

Volvo Boom Suspension System (BSS)* - dramatically increased productivity

- Absorbs shocks and contributes to less spill.
- Two operating modes promote faster, more comfortable work cycles.

Volvo Steering - smooth and precise

- Load-sensing steering.
- Comfort Drive Control* (CDC) allows steering with fingertip controls, with end-stroke dampening.

Flexibility to do many jobs - with just one machine

- TP-linkage and hydraulic attachment bracket for fast and easy changing of attachments*.
- Pilot-operated fingertip control makes changes easy.
- A complete range of attachments from Volvo.

Maintenance and uptime - more hours on the job

- Electronic monitoring of fluid levels.
- Long maintenance and lubrication intervals.
- Easily accessible hatches and service points.
- Daily pre-start items quickly checked.
- Anti-slip service platforms, wide and angled cab ladders and conveniently located handrails.

Sealed off components - low costs and long service life

- Major components are vented via easy to replace filters, preventing dirty air from entering.
- Extra engine oil-bath pre-filter available as an option.



Specifications:

	L150F	L180F	L220F
Engine:	Volvo D12D LB E3	Volvo D12D LA E3	Volvo D12D LB E3
Max power at	23,3-28,3 r/s (1400-1700 rpm)	23,3-26,7 r/s (1400-1600 rpm)	26,7 r/s (1600 rpm)
SAE J1995 gross:	210 kW (286 metric hp) 210 kW (282 bhp)	235 kW (320 metric hp) 235 kW (315 bhp)	261 kW (355 metric hp) 261 kW (350 bhp)
ISO 9249, SAEJ1349 net:	209 kW (284 metric hp) 209 kW (280 bhp)	234 kW (318 metric hp) 234 kW (314 bhp)	259 kW (352 metric hp) 259 kW (347 bhp)
Breakout force:	184,7 kN (41,522 lbf)*	214,7 kN (48,266 lbf)*	224,5 kN (50,470 lbf)*
Static tipping load at full turn:	15 150 kg (33,400 lb)*	18 130 kg (39,969 lb)*	20 660 kg (45,548 lb)*
Buckets:	3,1-12,0 m ³ (4.1-15.7 yd ³)	3,7-14,0 m ³ (4.8-18.3 yd ³)	4,5-14,0 m ³ (5.89-18.3 yd ³)
Log grapples:	1,6-3,5 m ² (17.2-37.7 ft ²)	1,6-3,7 m ² (17.2-39.8 ft ²)	1,7-4,0 m ² (18.3-43.1 ft ²)
Operating weight:	23,0-26,0 t (50,706-57,320 lb)	26,0-29,0 t (57,320-63,934 lb)	31,0-33,0 t (68,343-72,752 lb)
Tires:	26.5 R25, 775/65 R29	26.5 R25, 775/65 R29	29.5 R25, 875/65 R29

L150F: * Bucket: 4,0 m³ (5.23 yd³) straight with bolt-on edges. Tires: 26.5 R25 L3, standard boom.

L180F: * Bucket: 4,6 m³ (6.0 yd³) straight with bolt-on edges. Tires: 26.5 R25 L3, standard boom.

L220F: * Bucket: 5,4 m³ (7.1 yd³) straight with bolt-on edges. Tires: 29.5 R25 L4, standard boom.

*Optional equipment.

EXPERIENCE

L350F

Maintenance and uptime - more hours on the job

- Electronic monitoring of fluid levels.
- Long maintenance and lubrication intervals.
- Easily accessible hatches and service points.
- Daily pre-start items quickly checked.
- Anti-slip service platforms, wide and angled cab ladders and conveniently located handrails.

NEW Volvo rear axle - longer service life, increased stability and less maintenance

- Heavy-duty axle with fully floating shafts with planetary hub reduction.
- Lubricated-for-life axle trunion bearings.

Wet disc brakes - safety in operation and long service life

- Outboard-mounted wet disc brakes with oil cooling and oil filter.
- Fully hydraulic dual circuit brake system.
- Automatic application of service brake when engine is shut off.
- Electronic test of brake performance.

NEW Volvo engine D16E - low emissions and low fuel consumption

- Volvo's Tier 3/Stage IIIA approved D16E engine features Volvo Advanced Combustion Technology (V-ACT).
- High torque at low revs.
- Up to + 46% increased fuel efficiency (t/l).

NEW Electro hydraulic lever control

- High precision.
- Adjustable lift and bucket angels.
- Return to dig.
- End position damping.

NEW Volvo Frames - high stability and long service life

- Resist high stress levels.
- Provide excellent operational stability and low vibrations.

NEW Volvo transmission - smooth shifting and low fuel consumption

- HTE 400 transmission with lock-up in 2nd, 3rd and 4th gears.
- Automatic Power Shift (APS) with four different gear-shifting programs.
- Downshifts to first gear automatically.



NEW Volvo L350F - easy to handle, easy to operate.

Volvo Boom Suspension System (BSS)*
- dramatically increased productivity

- Absorbs shocks and contributes to less spill.
- Two operating modes promote faster, more comfortable work cycles.

Volvo Load-Sensing Hydraulics - increased productivity and low fuel consumption.

- Provides power where and when it's needed.
- Increased lifting force.
- New Volvo hydraulic hoses.

Volvo Lift Arm System - better breakout and lift arm force

- Improved Z-bar linkage system with high breakout force.
- Improved lift-arm geometry for good attachment visibility.
- Dual-pin seals protect against premature wear.

Sealed off components - low costs and long service life

- Major components are vented via easy to replace filters, preventing dirty air from entering.
- Extra engine oil-bath pre-filter available as an option.

Volvo Steering - smooth and precise

- Load-sensing steering.
- Comfort Drive Control* (CDC) allows steering with fingertip controls, with end-stroke dampening.



*Optional equipment.

Specifications:

Engine:	Volvo D16E LA E3
Max power	at 28,3–30,0 r/s (1700–1800 rpm)
SAE J1995 gross:	397 kW (540 metric hp) 397 kW (532 bhp)
ISO 9249, SAEJ1349 net:	394 kW (536 metric hp) 394 kW (528 bhp)
Breakout force:	472,8 kN (106,290 lbf)*
Static tipping load at full turn:	34 290 kg (75,596 lb)*
Buckets:	6,2–12,7 m ³ (8.1–16.6 yd ³)
Log grapples:	5,5–6,3 m ² (59.2–67.8 ft ²)
Operating weight:	50,0–56,0 t (110,250–123,460 lb)
Tires:	35/65 R33, 875/65 R33

* Bucket: 6,9 m³ (8,6 yd³) straight with teeth and segments,
Tires 875/65 R33, standard boom.









All products are not 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

Construction Equipment
www.volvo.com

21 A 100 2744
Printed in Sweden 2007.03-2.0
Volvo, Eskilstuna

English
WLO