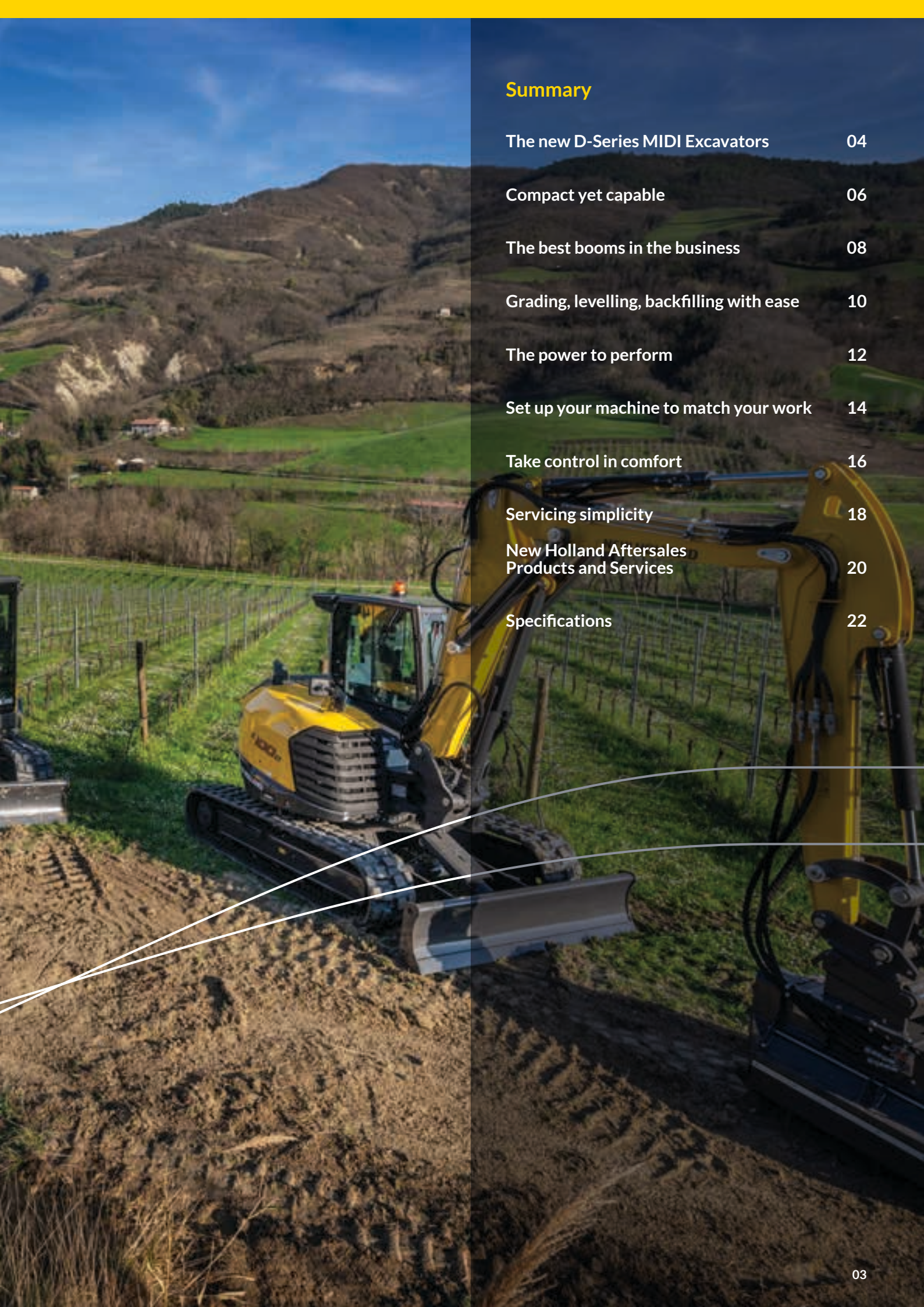


D-Series MIDI Excavators Range

E70D
E75D
E85D
E90D
E100D

E100D





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The new D-Series MIDI Excavators

E70D, E75D, E85D, E90D, E100D

MIDI Excavators that do more for your business

The new D-Series: proven New Holland design in a new division. This 6-10 tonne MIDI-Excavator range was created by our engineers to offer every format combination, so you can pick the model that specifically suits your needs. From front boom to side boom, zero tail-swing to short-radius, and a choice of three boom types, there is a D-Series model for every situation, with a strong standard specification and a full suite of options to match your requirements.

Built to reduce the total cost of operation

Of course, investment in any machine is about more than just what it can do – it's also about what it will cost to operate. When creating the new D-Series excavators, New Holland design engineers focused not only on capability, but on total cost of ownership. From individual components to the combined way they work together, the D-Series is designed to keep that cost to a minimum.



Compact dimension
See page 06



Stability
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Hydraulics
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Serviceability
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Compact yet capable

New Holland D-Series excavators prove it really is possible to blend power and precision in a package that retains compact dimensions. These are machines that are easy to operate in confined spaces, making them the perfect partners for the most challenging of tasks.



Reassuringly stable whatever the conditions

Confidence is everything at the controls of a machine, and New Holland D-Series excavators give you exactly that. Each track drive unit incorporates five bottom rollers in addition to the drive wheel and idler wheel, providing optimal weight distribution for a long, stable, sure-footed footprint and maximum traction.

The D-Series is available with a full suite of track options offering a match for every situation. From narrow options to suit confined circumstances to wider alternatives where maximum flotation is crucial, D-Series excavators can be equipped for every eventuality.



Confined space specialists

Because the counterweight does not extend beyond the tracks, New Holland zero tail-swing design gives you the ability to work in the tightest spots without compromising performance or safety. With a machine that’s easier to operate safely, you also benefit from greater productivity. Reduced likelihood of accidental damage to the machine or the work zone reduces the likelihood of accidental damage and the need for repairs. As a result, your work plans stay on track.

Tailor your machine to the task

For applications where extra performance may be needed, New Holland D-Series design allows you to customise the capacity of your machine according to the job requirements. Optional extra counterweights can be easily added to the rear of these machines to further boost their performance.

	E70D	E75D	E85D	E90D	E100D
Standard (kg)	50			90	
Internal Supplementary (kg)	330			440	
External Supplementary (kg)	500			900	

The best booms in the business

New Holland D-Series MIDI Excavators are available with boom types to suit every operation. Take your pick from models with side- or front-mounting, and mono or two-piece formats. Furthermore, all models offer the choice between a standard arm length and a longer arm for even greater reach and digging depth.





Manoeuvrable mono-boom

Standard on the E70D and E90D, the New Holland mono-boom offers exceptional manoeuvrability, making it easy to operate in constricted areas alongside obstacles such as walls or trenches. The need to make movements and adjustments is much reduced as a result, considerably boosting efficiency.



Flexible two-piece boom

With an additional articulation point in the nearest boom element, the New Holland two-piece boom provides even greater flexibility and bucket position control, particularly in confined situations. It also allows you to reach further and dump higher, making it ideal for tasks like filling hoppers and trucks, and digging trenches, working under obstructions, or digging close to the machine.



High-strength side-boom

Matching format of larger excavators, the side-boom design of the New Holland E85D anchors the boom close to the centre of the machine. The result is maximum stability, more lift capacity and greater dump height. In addition, while the bucket is fully in your line of sight, you get unobstructed forward visibility.

Grading, levelling, backfilling with ease

Designed as an integral part of the machine with a multitude of uses, the dozer blades on every New Holland D-Series model are built to tackle the toughest of tasks. Choose from a range of options to suit your circumstances.





Six-way versatility

Available on all New Holland MIDI Excavators, the optional six-way blade allows you to doze, grade to either side enabling more precise contouring and shaping of the terrain, easier and faster trenches backfilling, and much more.

The blade built to take on big tasks

The large dozer blade is designed for shifting serious amounts of soil and other loose materials. It gives you the capacity you need to finish jobs fast.

Glide over the ground

A floating mode makes it easy to scrape surfaces and level the land. The blade is free to move up and down following the unevenness of the ground and simply resting on the ground by gravity. The floating mode is useful for ground levelling operations performed in reverse.

Made to take the pressure

The cylinder of the dozer blade can be provided with a block valve that prevents sudden loss of stability in case of unexpected damages to the hydraulic hoses.

The power to perform

Every model in the New Holland D-Series excavator range is powered by an engine that is effective, efficient and well-engineered. They are manufactured by specialists in this power sector who know exactly how to create compact engines that perform reliably hour after hour.



Powerful, precise hydraulics

Hydraulic capacity heads up every list when it comes to customer wants in an excavator. With the New Holland D-Series, you won't be disappointed. These machines provide optimal flow and pressure for any task, with superior precision enabled by an advanced electronically controlled hydraulic system. New Holland offers a range of quick-couplers to meet your attachment requirements.

Auxiliary hydraulics, including 1st, 2nd, and 3rd auxiliary circuits, are fully-customisable for flow, sensitivity and speed of de/activation. An exclusive constant-flow option is ideal for powering attachments such as a mulcher or flail head.

E70D and E75D power

The E70D zero tail-swing mono-boom and E75D short-radius two-piece boom models are powered by 60hp Kubota engines. Stage V-compliant, they require no DEF/AdBlue. Eco, Standard and Power throttle management modes allow you to maximise workrates and efficiency.

E85D, E90D and E100D power

To match the additional capacity of the E85D, E90D and E100D, they are equipped with Stage V Yanmar engines that produce 73hp. Like the power plants in the E70D and E75D, they have no DEF/AdBlue requirement, and incorporate Eco, Standard and Power throttle management modes.

Enhanced Operator Comfort with Skid-Steer Travel Mode

For tasks requiring extended travel and turning, such as leveling or grading with the dozer blade, you can activate the skid-steer travel mode. This mode reconfigures the controls, allowing the left joystick to manage both steering and forward/reverse travel, eliminating the need for travel pedals and enhancing operator comfort. This is a standard feature on E85D, E90D and E100D.

Factory fitted eco-friendly lubricants

Eco-friendly hydraulic oil and grease are suitable for use in environmentally sensitive areas, they reduce the risk of contamination in the event of accidental spillage, while minimising direct and indirect legal consequences, additionally, bio-hydraulic oil reduces maintenance costs due to its extended drain intervals compared to mineral oil.

Making refuelling easy

An electronic fuel refill pump with auto-stop makes on-site refuelling easy. You can quickly and cleanly replenish the fuel tank wherever your work takes you. The auto-stop allows you to do other maintenance jobs without risk of fuel spillage when the fuel tank is full.



Set up your machine to match your work

New Holland D-Series excavators are designed to be fine-tuned to match the exact demands of the job at hand. Performance and efficiency can be maximised thanks to a full suite of customisable auxiliary modes.



Auxiliary 1: simultaneous mulching and travelling

The Auxiliary 1 constant flow function can be used to provide constant oil flow to power a mulcher or flail mower/hedge cutter. The system enables the mulching head to operate seamlessly while the machine is in motion or the arm is being repositioned.

Auxiliary 2 capabilities

Standard on all models, Auxiliary 2 can be used to control the rotation movement of an attachment such as a grapple or a sorting grab. It is controlled with the electro-proportional roller on the right or left joystick.

Drainage

For equipment such as a mulcher that requires drainage of oil without back pressure, a drainage line is installed on the second arm. This drains directly to the tank. Being a drainage line, it does not require any control.

Attachments and quick-couplers to match your needs

A wide range of attachments and quick coupler, carefully tested and optimised for each model, significantly expands the machines' capabilities and application versatility. New Holland offers a range of quick-couplers to meet your attachment requirements to facilitate attachment change over. They include semi-automatic mechanical with spring closure and manual opening, single-effect with spring closure and hydraulic opening, and double-effect with hydraulic opening/closing. Buckets, flail mower, augers, wood grapples and many other attachments are available too.



Auxiliary 3 capabilities

Normally used to control an additional attachment movement, this can be used with attachments such as a tiltable clamshell. It is controlled with the electro-proportional roller from the right or left joystick.

Auxiliary 3 mechanical

This mechanical double-acting hydraulic system option, by means of two mechanical diverters, intercepts the pipes of the bucket cylinder and makes them available for the connection of attachments that require a reduced oil flow rate. It can be used for equipment with no need to move the bucket cylinder.

Take control in comfort

New Holland knows that comfort is linked directly to productivity. That's why we ensure every machine we design is built around the operator. The D-Series MIDI Excavators are no exception. Take a seat in a New Holland D-Series. You'll find it a productive and comfortable workplace where everything falls easily to hand. There's an excellent all-round view, thanks to a thoughtfully-designed cab frame incorporating an easily-raised opening front window.



All data in your eyeline

All important machine operating data is gathered on the D-Series display adjacent to the right front cab pillar. Everything you need to know is easily readable at a glance, in bright sunshine or at night. The screen can also be used to quickly and easily alter settings such as flow rates and sensitivity. Integrated into the rear of the machine, the view from the standard camera is also displayed on the operating terminal. Manoeuvring is made easier - and safety is assured.



Illuminate your workplace

New Holland D-Series MIDI Excavators are fitted with a full complement of worklights to ensure you can keep working whatever the conditions or time of day. Every model features carefully-located LED lights to provide maximum penetration in dark conditions and low light levels.

Servicing simplicity

New Holland knows that servicing is something that must be made quick and simple in order to maximise every hour of the working day. That's why we design our machines to help you get to work faster. Automatic greasing facilitate the daily maintenance.





Easy access

A forward-tilting cab design makes access to the heart of the machine easy. It takes a matter of seconds to raise, and puts all important components in front of you. Other at hand thanks to side panels that open fully for servicing. Key components and daily service checks can be accessed from ground level – there's no need to clamber on the machine.

No-fuss filters

Cab filters are also easy to access, making cleaning simple and easy and ensuring you keep fresh air coming into the cab whatever the conditions.

Keeping cool reliably – whatever the workload

The hydraulically powered radiator fan automatically adjusts its speed based on demand. Sensors monitor coolant and hydraulic oil temperatures, allowing the system to optimise fan speed for efficient cooling and minimal noise. A programmable auto-reverse function keeps grilles clear of debris.

New Holland Aftersales Products and Services

In choosing New Holland you have made a quality choice. You are ready to start your journey with us and our network, counting on a wide range of quality products and professional services available and next to you season after season.

GENUINE PARTS

Top performance guaranteed at all times

Committed to keeping your machines in top condition for like-new performance, New Holland offers a wide range of Genuine Parts, manufactured to the same high standards and with the same high-quality components used in new machines.

Genuine Parts are the result of a certified supply chain and stringent tests on the conformity, the reliability and the durability, to ensure consistently high levels of safety and performance over time.



REMAN PARTS

Recommended for your ageing New Holland machine

Choosing the Reman range means embracing our circular product lifecycle approach with the certainty that the components fitted to your machine will be as efficient as new.

Thanks to the unrivalled know-how acquired over the last decades, New Holland is the ideal partner for such a complex and sophisticated industrial process, sustainably remanufacturing the essential components of your machine to the highest standards, guaranteeing as good as new quality at an affordable price.

ACCESSORIES

Tailored to your farming

Every day, New Holland implement solutions that make your machine unique and reliable, covering every single demand.

From safety to productivity, from comfort to power, the complete range of accessories is adapted to your specific activities, as single items or in kits set up by your New Holland dealer.

Ambra lubricants

With the right lubricants, you can protect your machine, minimise maintenance and downtime and boost your performance.

Ambra lubricants line, engineered by Petronas specifically for New Holland machines, is our recommended choice.



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Get your parts on www.mycnhstore.com



GENUINE  PARTS



UPTIME SERVICE

Developed by New Holland, Uptime Service is the new, professional and flexible Planned Maintenance Programme designed to make it easier for you to manage long term routine maintenance.

Planned Maintenance is a key factor to keep your equipment always in good shape, maximising the performance and the uptime through scheduled operations carried out by professional New Holland Dealer' technicians, using only genuine parts and lubricants.

Connected Services



New Holland FieldOps™ is the Telematics Portal to stay constantly connected with your equipment from the comfort of your office. With New Holland FieldOps™ you can monitor the locations and the usage of your fleets, manage precision farming operations, get the Dealer's remote support 24/7 and much more.

New Holland technicians operating in the Dealer's IntelliCentre, remotely monitor the connected machines preventing possible failures before they even occur.

UPTIME SUPPORT

In high season, our Uptime Support experts are ready to support 24/7 as soon as your assistance request is recorded.

Together with your New Holland dealer, we do everything possible to provide the quickest and most effective support, until the matter is fixed and you are back in your field! You can activate Uptime Support through the Top Service phone number or MyNH App.

UPTIME WARRANTY

With Uptime Warranty you are assured that all possible failures will be professionally fixed by specialised New Holland Dealer's technicians and you won't need to pay for anything, keeping operating costs under control.

Uptime Warranty is the New Holland extended warranty program offering maximum protection, minimum cost and highest resale value.

Included on D-Series MIDI Excavators range



New Holland Uptime Pack – All the best services in one pack

Uptime Pack group together the best of New Holland aftersales services in different packages designed to maximise uptime, improve operational safety, keep costs under control and increase productivity. There are three levels of support for our customer: Uptime Pack Basic, Uptime Pack Plus and Uptime Pack Premium.



Farm with peace of mind



Maximise your uptime



Stay connected with your farming



Increase your productivity

New Holland Style

Want to make New Holland a part of your everyday life? Browse the comprehensive selection on www.newhollandstyle.com

A whole range of items are available including hard wearing work clothing and a vast selection of scale models, together with so much more. New Holland. As individual as you.



D-Series	E70D	E75D	E85D	E90D	E100D
	Mono-boom	2-piece-boom	Fixed boom	Boom swing	2-piece-boom
	Zero tail	Short radius		Zero tail	
ISO 6016 operating weight with rubber tracks (with bucket, operator and full diesel tank) (kg)	7290	7580	8830	9210	10080
Specific ground pressure (kg/cm ²)	0.34	0.35	0.39	0.40	0.44
Travel speed (km/h)	1 st : 0 ÷ 2.1 / 2 nd : 0 ÷ 4.2 (Auto two speed)		1 st : 0 ÷ 2.6 / 2 nd : 0 ÷ 5.2 (Auto two speed)		
Upper frame rotation speed (rpm)	11.0		9.5		
Dimensions					
Track width (mm)	2100		2320		
Rear Swing radius (mm)	1050		1220		
Cab height (mm)	2760				
Transport length (std / long arm) (mm)	5480 / 5460	5562 / 5582	5820 / 5650	6280 / 6310	6060 / 6530
Engine					
Manufacturer	Kubota		Yanmar		
Model name (for manuals and brochures)	V2607-CR-T		4TNV98CT		
Emission level	Stage V				
Engine Power [kW/hp(CV)]	44.3/59.4 @ 2300rpm		53.7/72 @ 2100rpm		
Displacement (cm ³)	2615		3319		
Cylinders (n°)	4				
Cooling	liquid				
Fuel	diesel				
Alternator [V (A)]	12 (60)		12 (80)		
Battery [V (Ah/A)]	12 (95)		12 (100/900)		
Hydraulic system					
Circuit Type	Load Sensing closed center system with “Flow Sharing” control valve		eHPQ Rexroth system		
Pump type	1 LS hydraulic variable pump with electronic control + 1 gear pump		1 electronic pump (EOC) with variable flow rate + 1 gear pump on engine PTO (Fan Drive)		
Pump capacity (l/min)	141 + 27.8		192		
Max. circuit calibration pressure (bar)	280		290		
Flow rate (max. pressure) auxiliary system AUX1 [l/min (bar)]	85 (200)		160 (200)		
Flow rate (max. pressure) auxiliary system AUX1 - mulcher mode [l/min (bar)]	60 (180)		62 (180)		

D-Series	E70D	E75D	E85D	E90D	E100D
Hydraulic system					
Flow rate (max. pressure) auxiliary system AUX2 [l/min (bar)]	65/90 (280)		110/60 (290)		
Flow rate (max. pressure) auxiliary system AUX3 [l/min (bar)]	45 (280)		50 (250)		
Performance					
Digging depth with standard arm (long arm) (mm)	4070 (4270)	4120 (4320)	3670 (4020)	4130 (4480)	4320 (4670)
Max. dumping height with standard arm (long arm) (mm)	4450 (4590)	5490 (5670)	5180 (5420)	4660 (4880)	5960 (6270)
Bucket breaking force ISO 6015 (daN)	4850		6300		
Standard arm breakout force ISO 6015 (long arm) (daN)	2900 (2700)		4350 (3850)		
Lifting capacity 1m height - 3m reach - std arm - blade down - front (kg)	3150	2140	4420	5610	4270
Lifting capacity 1m height - 3m reach - std arm - blade down - side (kg)	2170	2110	3540	3250	3570
Traction force (daN)	7150		7960		
Max. slope (% / °)	60 / 30				
Fillings					
Fuel tank (l)	85.0		105.0		
Hydraulic oil tank (l)	60.0		85.0		
Hydraulic system capacity (l)	80.0		135.0		
Cooling system capacity (l)	12.0		23.0		
Engine oil (l)	10.2		10.0		
Controls					
Boom, dipper stick, bucket and upper frame swing	2 pilot joysticks		2 canbus electronic joysticks		
Boom swing	electroproportional switch on left joystick		-	1 canbus electronic roller on left joystick	
Two-piece boom	-	electroproportional switch on right joystick	-		1 canbus electronic roller on right joystick
Travel	2 pilot levers		2 canbus electronic pedals/levers		
Dozer blade	pilot lever		1 canbus electronic joystick		
AUX1 auxiliary system	electroproportional switch on right joystick		1 canbus electronic roller on right joystick		
AUX2 auxiliary system	electroproportional switch on right joystick		1 canbus electronic roller on right joystick		
AUX3 auxiliary system	electroproportional switch on left joystick		1 canbus electronic roller on left joystick		

- Not available



New Holland prefers **Ambra** lubricants



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