

E18_B



	E18B
NET FLYWHEEL POWER	11.3 kW / 15 hp
OPERATING WEIGHT	1780 kg



BUILT AROUND YOU

E18B

OUTSTANDING PERFORMANCE HIGH PRODUCTIVITY

RESPECT FOR THE ENVIRONMENT

The E18B respect the European "reduced noise level" as per directive 2000/14/EC phase 2.

Variable displacement pumps automatically adjust operating speed and power according to varying load conditions and allow optimisation of control and reduce fuel consumption.

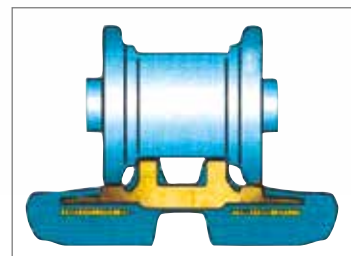
The hydraulic system allows the driver to combine movement while driving.



Auxiliary hydraulic functions (single or double acting) with pipings/hoses up to the dipper:
• standard on E18B



Concave profile, foldable dozer blade:
• full width of the machine; in-adjustable for wider track width
• achieves excellent grading and back filling performance and creates a stable excavating platform.



Innovative design track rollers:
• wider, for increased stability
• better track retention
• longer track life

Simple track tension adjustment with grease pump.

Travel speeds: low 2.0 km/h high 3.5 km/h Fingertip speed selector on travel lever.



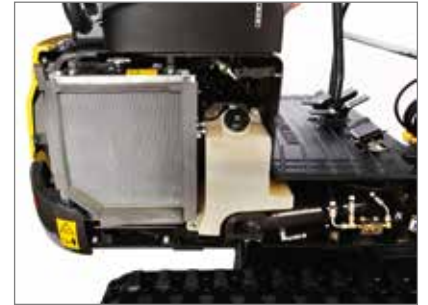
Three pillar canopy
(FOPS, TOPS) standard.
The most spacious operator's
environment in the industry.



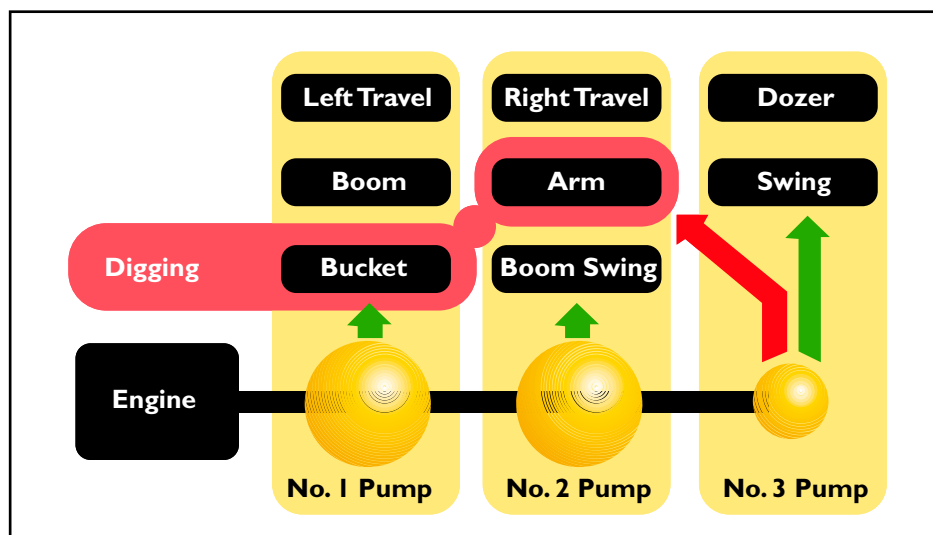
A user-friendly operating
environment designed for long days
of productive work and minimal
operator fatigue: hand or foot
operated travel controls, readily
visible instrument panel, unrestricted
visibility in all directions.
Precise low effort, pilot operated
joystick controls further enhance
productivity.



MAINTENANCE & SERVICEABILITY



INTEGRATED-FLOW PUMP SYSTEM (THREE PUMPS) FOR TOTAL SIMULTANEOUS MOVEMENTS



The instant the machine begins to dig, extra output from the third pump (which otherwise powers the swing and dozer circuits) is directed to the arm circuit for added power. This ensures fast and smooth arm operation even under heavy loads.

External sight gauges for easy checking of hydraulic and fuel levels.
New filters and battery layout.

Easy maintenance at ground level thanks to 360° 'all-round' service access:

- large opening, hinged rear engine hood
- two wide, side covers, easy to remove, allow an easier access to radiator, hydraulic and fuel tank.
- opening panel below the operator's seat gives access to electric fuses.
- Better access to fuel cap.



SERVICE PLUS





THE NEW HOLLAND DEALER: YOUR PROFESSIONAL PARTNER

Your success starts with world-class New Holland machinery and attachments. Your New Holland dealer will help you work smarter and faster by selecting equipment that delivers performance and operator comfort. Your dealer has the knowledge and experience necessary to help you choose the right attachments so you can...

- **Work faster and extend equipment life.**
- **Increase machine utilization.**
- **Increase your capabilities.**

Let your New Holland dealer service your machine on the jobsite. You'll be back on the job faster. Advantages include...

- **Responsive job site service to keep your equipment running.**
- **Increase machine uptime.**
- **Certified service staff and improved parts availability.**

PARTS

When you're looking for superior parts options to maximise the performance and lower the operating costs of your New Holland machinery, turn to CNH Original Parts to keep you equipped for success.

CNH Original Parts fit better, install faster and last longer and in an industry where "high impact" and "heavy lifting" are the norm, the smallest mechanical differences can lead to big problems.

CNH Original Parts from New Holland are manufactured from superior materials and specifically designed for New Holland to continually and reliably withstand the punishment of everyday construction. So steer clear of mechanical problems and future breakdowns, by choosing CNH Original Parts from New Holland. They're the only parts that are field-tested and proven to keep your New Holland equipment performing its best.

SERVICE. RELY ON NEW HOLLAND TO DELIVER FOR YOU

Your commitment to your operation is evident every day, but that doesn't minimise the enormous pressure you face to reduce operating costs and improve productivity. So when you're on the job, make sure you have top-notch service and support of New Holland behind you every step of the way. With our factory trained technicians, you can ensure that top-notch service professionals are working on your maintenance needs, so you can focus on your business and the big job challenges ahead, not on the tasks of servicing your equipment.

With your New Holland Service, you get more than mere oil changes. A New Holland Service ensures your New Holland equipment receives a thorough service that meets all requirements of its service schedules and properly maintains it for the day-in, day-out punishment of construction work.

Don't give another thought to time-consuming maintenance tasks. Simply rest easy and make certain that your service needs are taken care of by a New Holland factory trained technician.





When the unexpected occurs, you need to know your equipment is protected. At New Holland we understand the importance of your machinery being in good working order when it counts. Service Plus is designed to help keep your equipment working well beyond the manufacturer's base warranty period while taking away the concerns of the cost and inconvenience of mechanical failure.

WHAT ARE THE ADVANTAGES OF SERVICE PLUS?

PEACE OF MIND

Provides protection beyond the Manufacturer's Base Warranty Period.

FLEXIBLE OPTIONS

Plans can be customised to meet individual needs.

DEPENDABLE SERVICE

Eligible repairs completed by an authorised New Holland Dealership and their trained service technician's using genuine OEM parts & lubricants.

TRANSFERABLE PROTECTION

New Equipment Plans may be transferred to a new owner at no charge

• STANDARD PROTECTION PLAN 3 Year / 3000 Hour

Additional years/hours can be purchased. Please contact your local New Holland dealer for further information.

STANDARD SERVICE PLUS PROTECTION PLAN

CONSTRUCTION EQUIPMENT MASTER PARTS SCHEDULE

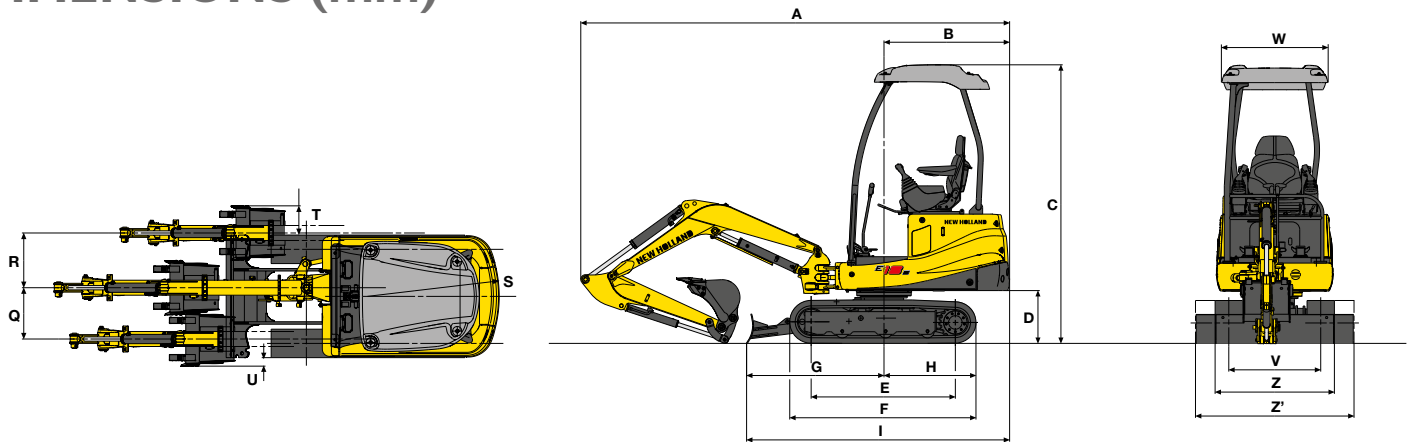
This plan provides coverage for the components listed below when a failure occurs due to a defect in material or workmanship, and may provide coverage for additional components not listed when the damage is caused by or resulting from a covered failure of a listed component.

PREMIER COMPONENTS COVERED

ENGINE AND ALL INTERNAL LUBRICATED COMPONENTS WITHIN	TRANSMISSIONS/AXLES/HYDROSTATICS	ELECTRICAL	HYDRAULICS
Accessory Gears	Axle Housing	Alternator	Accumulator And Related Relief Valve
Air Intake Hose	Axle Shaft	Gauges	Brake Accumulator
Camshaft	Clutch Discs (Wet Only)	Horn	Brake Pressure Sensor
Camshaft Bearings	Clutch Plates (Wet Only)	Indicators	Brake Pump, Brake Valve
Camshaft Drive Gear	Control Rods	Instruments	Differential Lock Valve
Catalytic Converter	Counter Shaft Clutch	Electronic Joysticks	Fan Pumps And Motors
Charge Air Cooler	Differential Housing	Electric Motors	Hydraulic Cylinders
Cold Start Enrichment Systems	Differential Pinion Gear / Ring Gear	Factory Installed Telematics	Hydraulic Hoses and Piping
Connecting Rods & Bearings	Drive Axle Hub	Sensors	Hydraulic Motors
Crankshaft Bearings & Gear	Drive Shaft Support Bearing	Solenoid Valves	Hydraulic Oil Coolers
Crankshaft Including Front And Rear Crankshaft Seals	Drive Shaft with Universal Joints	Starter And Starter Solenoid	Hydraulic Pumps
Cylinder Heads/ Head Gaskets	Electronic Transmission Controller and Valve	Switches	Hydraulic Reservoir
Cylinder Liners	Enclosed Oil Immersed Chains and Sprockets	Traction Control System	Hydraulic Valves
Diesel Exhaust Fluid Tank and Dispensing System	External Oil Lines	Voltage Regulator	Internal O-Rings and Bonded Washers
Diesel Particulate Filter	Filler Tubes (Transmission)	Wiring Harnesses	Pilot Control
EGR System Manifold	Final Drive Pinion	Wiring Harnesses Exclusions	Pressure Reducing Valves
Electronic Engine Control Module	Final Drive Planetary Gears	Rubbing, Chafing, Loose Or Corroded Connections	Unloading Valves
Engine Block	Front Wheel Drive Sensors	FACTORY INSTALLED HEAT AND AIR CONDITIONING	STRUCTURAL
Engine Mounts And Supports	Hydraulic Drive / Travel Motor	Accumulator	Backhoe Booms
Engine Oil Cooler	Hydraulic Drive Pump	Clutch	Backhoe/Excavator Dipper Sticks
Engine Speed Controls, Linkages, and Cables	Hydraulic Transmission-Control Valve	Compressor	C Frame
Exhaust Manifold and Muffler	Hydrostatic Motor	Condenser	Car Body
Fan And Fan Drive	Hydrostatic Transmission Charge Pump	Dryer	Chassis
Filter Mount	Hydrostatic Transmission Pump	Evaporator	Circle Frame
Flywheel, Ring Gear	Hydrostatic/Hydraulic Pump Drives	Expansion Valve	Engine Frame
Front And Rear Engine Covers And Seals	Internal Lubricated Clutch Housings	Heater Core	Equipment Frame
Front Damper	Internal Transmission Control Linkage	Hoses	Excavator Booms
Fuel Lines	Internal Wet Service Brakes	Pulley	Falling Object Protection Structure (FOPS)
Fuel Tank	MFWD Axle/Differential Assembly including Driveshaft and U Joint	Seals & Gaskets	Forklift Masts
Fuel Transfer Pump & Gasket	Planetary Gear Carrier	Temperature Control Programmers and Valves	Inner and Outer Dipper Arms of the Extendable Boom (Backhoe Loader)
Injection Pump	Pneumatic Valves	OPERATOR AREA	Main Frame
Injectors	Rotary Hydraulic Manifold	Covers and Panels	Rollover Protection Structure (ROPS)
Intake and Exhaust Manifold And Gaskets	Splitter Drive/Drop Box	Exterior/Interior Door/Panel Latches, Hinges & Struts	Swing Frame
Oil Filler Tube	Steering Clutches (Wet)	Exterior/Interior Moldings	Swing Tower Castings (Backhoe Loader)
Oil Lines	Swing Motor And Swing Gear Box	Knobs for Switches and Handles	Track Frame
Oil Pan And Gasket	Torque Converter	Mirrors	Wheel Loader/Skid steer Loader Arms
Oil Pump	Torque Converter Pump	Seat Frame & Suspension	
Pistons & Rings	Transfer Drive		
Pre-Cleaner/Air Cleaner Housing	Transmission Case		
Pressure/Temperature Sensors & Sending Units	Transmission Gears, Bearings, & Shafts		
Pulleys	Transmission Pump		
Radiator	Travel & Swing Sections (only) Of Main Control Valve		
Rocker Arm Assembly	Travel Control Valve		
Selective Catalytic Reduction System	Turntable Bearing		
Thermostats	Undercarriage Roller And Idler Seals And Bearings		
Timing Gears	Undercarriage Tensioners		
Turbocharger And Gasket	UNDERCARRIAGE EXCLUSIONS:		
Valve Cover And Gasket	Sprocket, Tracks, Pads, Bolts, Chains, Or Any Failure Due To Wear, Or Breakage Caused By Wear		
Water Piping			
Water Pumps			

E18B

DIMENSIONS (mm)



	A	B	C	D	E	F	G	H	I	Q	R	S	T	U	V	Z	Z/Z'
E18B	3605	1055	2340/ 2350*	445	1215	1565	1155	775	2210	415	440	1065	240	70	760	890	990/ 1330**

* with cab

** with spanned blade

LIFTING CAPACITY

Values are expressed in Tonnes

I.22 M DIPPER, CANOPY, DOZER DOWN, RUBBER SHOES AND BUCKET OF 400 MM.

HEIGHT	RADIUS OF LOAD																
	0.5 m		1.0 m		1.5 m		2.0 m		2.5 m		3.0 m		AT MAX REACH		REACH		
	FRONT	SIDE	FRONT	SIDE	FRONT	SIDE	FRONT	SIDE	FRONT	SIDE	FRONT	SIDE	FRONT	SIDE			
2.5 m									0,223	0,223							
2.0 m									0,231	0,231	0,237	0,237					
1.5 m									0,266	0,266	0,249	0,249					
1.0 m					0,617	0,617	0,402	0,402	0,316	0,316	0,271	0,271	0,248	0,222	3,428		
0.5 m					0,830	0,812	0,500	0,500	0,365	0,360	0,294	0,271					
0 m					0,881	0,795	0,551	0,496	0,394	0,352	0,306	0,267					
-0.5 m			0,686	0,686	0,838	0,793	0,548	0,491	0,394	0,348	0,292	0,265					
-1.0 m			1,058	1,058	0,727	0,727	0,491	0,491	0,347	0,347							
-1.5 m			0,878	0,878	0,524	0,524	0,351	0,351									

I.22 M DIPPER, CANOPY, DOZER UP, RUBBER SHOES AND BUCKET OF 400 MM.

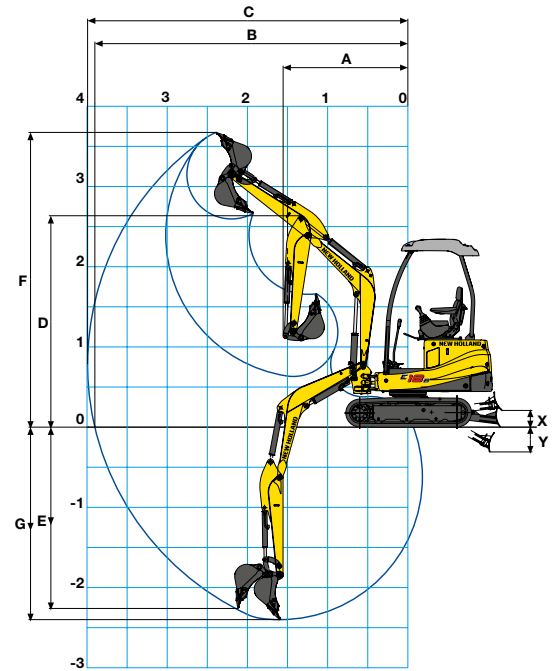
HEIGHT	RADIUS OF LOAD																
	0.5 m		1.0 m		1.5 m		2.0 m		2.5 m		3.0 m		AT MAX REACH		REACH		
	FRONT	SIDE	FRONT	SIDE	FRONT	SIDE	FRONT	SIDE	FRONT	SIDE	FRONT	SIDE	FRONT	SIDE			
2.5 m									0,223	0,223							
2.0 m									0,231	0,231	0,237	0,237					
1.5 m									0,266	0,266	0,249	0,249					
1.0 m					0,617	0,617	0,402	0,402	0,316	0,316	0,257	0,271	0,205	0,222	3,428		
0.5 m					0,756	0,812	0,473	0,500	0,334	0,360	0,251	0,271					
0 m					0,738	0,795	0,460	0,496	0,326	0,352	0,247	0,267					
-0.5 m			0,686	0,686	0,736	0,793	0,455	0,491	0,323	0,348	0,245	0,265					
-1.0 m			1,058	1,058	0,727	0,727	0,457	0,491	0,324	0,347							
-1.5 m			0,878	0,878	0,524	0,524	0,351	0,351									

Blade UP / DOWN Upper frame front direction, Spanner OUT, with an 75 kg operator in seat

DIGGING PERFORMANCE

DIPPERSTICK		I 220
A	mm	1555
B	mm	3900
C	mm	3990
D	mm	2595
E	mm	2260
	mm	3675
G	mm	2400
X	mm	210
Y	mm	310

BREAKOUT FORCE		I 220
Bucket		13.3/14
Dipperstick		7.4/7.8



SPECIFICATIONS



ENGINE

Net flywheel power (ISO14396)..... 11.3 kW/15 hp
 Operating weight:
 canopy..... 1660 kg
 cab..... 1780 kg
 Max digging depth (arm 1220 mm).....2400 mm
 Breakout force:
 bucket..... 14.0 daN
 dipper.....(short/long)8,7/7,8 daN
 Transport length (max).....3620 mm
 Transport width (spanner IN/OUT)..... 990/1330 mm
 Transport height (canopy/cab).....2340/2350 mm



ENGINE

Make.....MITSUBISHI
 Model.....L3E
 Type.....4-stroke diesel, direct injection
 Number of cylinders.....3
 Displacement.....952 cm3
 Rated speed.....2100 rpm
 Max torque at 1800 rpm.....53.5 Nm



ELECTRICAL SYSTEM

Batteries..... 1 x 40 Ah
 Voltage.....12 V
 Alternator.....40 A
 Starter motor.....1.7 kW



HYDRAULIC SYSTEM

Hydraulic System with two axial piston variable displacement pumps and one gear pump.
 Number of pumps..... 2+1

Total delivery (axial piston pumps).....2 x 15.5 l/min
 Gear pump delivery..... 10.9 l/min
 Max operating pressure (attach/travel).....216 bar
 Max operating pressure (swing)..... 140 bar



SWING

Hydraulic motor.....axial piston type
 Swing speed.....9.0 rpm
 Boom slewing angle:
 left..... 80°
 right..... 45°



UNDERCARRIAGE

Length of track on ground.....1215 mm
 Width (spanner IN/OUT).....990/1330 mm
 Shoe width (Rubber track).....230 mm
 Ground pressure (canopy/cab).....0.27/0.31 bar
 Upper/lower rollers.....plate/3
 Travel speeds.....2
 Travel speed range (Rubber tracks).....2.0/3.5 km/h
 Maximum continuous slope.....58% (30°)



BLADE

Width x height (folded/spanned).....990/1330 x 245 mm
 Blade lift.....210 mm
 Blade lower.....310 mm



CAPACITIES

Fuel.....19.5
 Coolant.....3.5
 Engine oil.....3.0
 Hydraulic System.....15.0

PARTS AND SERVICE

The New Holland dealer network is, in itself, the best guarantee of continued productivity for the machines it delivers to its customers. New Holland service technicians are fully equipped to resolve all maintenance and repair issues, with each and every service point providing the high standards they are obliged to observe under New Holland's stringent quality guidelines. The New Holland global parts network ensures fast, reliable, replacement parts for less downtime, increased productivity and, of course, profitable operation for its customers.



AT YOUR OWN DEALERSHIP

The information contained in this brochure is intended to be of general nature only. The NEW HOLLAND CONSTRUCTION MACHINERY S.p.A. company may at any time and from time to time, for technical or other necessary reasons, modify any of the details or specifications of the product described in this brochure. Illustrations do not necessarily show products in standard conditions. The dimensions, weights and capacities shown herein, as well as any conversion data used, are approximate only and are subject to variations within normal manufacturing techniques.

Printed in Australia - MediaCross Firenze - Cod ANZ5301NCGB - Printed 03/15

Printed on recycled paper
CoC-FSC 000010 CQ Mixed sources



ELEMENTAL
CHLORINE
FREE
GUARANTEED



www.newholland.com

