

E175C

TIER 3



E175C

ENGINE POWER	96 kW - 129 hp
MAX OPERATING WEIGHT	18720 Kg
BUCKET CAPACITY	0.24 m ³ - 0.90 m ³



BUILT AROUND YOU

AS LONG AS WE KEEP BUILDING ROADS, THERE

MORE PRODUCTIVITY

The hydraulic system maximizes performance according to the job at hand. High efficiency hydraulics and new joysticks with optional Hydraulic Proportional Controls (HPC) result in smooth operation, outstanding control and fast cycles. New travel motors give greater traction. The new EI75C works faster and with more power, boosting productivity on site by up to 10%.

EVOLUTION IN COMFORT AND SAFETY

The EVO cab, with full size right window and rear-view camera (optional), provides exceptional all-round visibility. Cab dampers and soundproofing result in remarkably low noise and vibration levels. Operators can work confidently in the ROPS/FOPS compliant cab (optional).



E WILL ALWAYS BE A JOURNEY TO UNDERTAKE

BEST FUEL ECONOMY

High efficiency intelligent hydraulics ensure 100% pump utilization in all applications. The hydraulic design minimizes friction losses and pressure drops. New ECO working mode optimizes fuel consumption while maintaining top performance. Together with New Holland's SCR and FPT technology, which allows the engine to operate at maximum efficiency, these features cut fuel consumption by up to 10% compared to previous model, reducing operating costs.

BUILT IN RELIABILITY AND DURABILITY

With a proven heavy duty design, New Holland excavators continue to provide the ultimate reliability and durability that customers expect. Fast maintenance with all service points accessible at ground level. Built to provide maximum uptime for the customer.



E175C

SPECIFICATIONS



ENGINE TIER 3

Make and modelFPT 445TA/MLF
Engine Power (ISO 14396/ECE R120)....96 kW/129 hp (2200 rpm)
Maximum torque.....496 Nm (1600 rpm)
Type ... Water-cooled, direct injection type diesel engine with intercooler
turbo-charger electric common-rail,
Displacement.....4.5 l
N. of cylinders.....4
Bore x stroke.....104 x 132 mm
Remote engine oil filter for easy replacement
Electronic engine rpm control, dial type
Auto-Idling selector returns engine to minimum rpm when all
controls are in neutral position
Outside temperature start as standard equipment:
Hot climate (AME) version -25°/+45°
Cold climate (CIS) version -30°/+40°
The engine complies with 97/68/EC Stage 3A (Tier3)



ELECTRICAL SYSTEM

Voltage / Alternator24V / 70 A
Starter motor4 kW
Maintenance-free batteries.....2 x 12V / 160 Ah



TRANSMISSION

Typehydrostatic, two-speed, Automatic DownShift
Travel motorsaxial piston type, double displacement
Brakes.....automatic discs type
Final drive.....oil bath, planetary reduction
Gradeability70%
Travel speedslow 0 - 2.9 km/h / high 0 - 4.9 km/h
Drawbar pull225 kN



UNDERCARRIAGE

X-frame undercarriage design
Reinforced track HD chain with sealed bushing

	E175C L	E175C LC
Track rollers (each side)	7	7
Carrier rollers (each side)	2	2
Length of track on ground (mm)	3280	3280
Gauge (mm)	1990	2190
Shoes (mm)	500-600-700 800	500-600-700 800-900

Shoe typeTractor type triple grouser shoe
No. for each side.....45
Height of grouser shoe.....25.5 mm



HYDRAULIC SYSTEM

High capacity double pumps with electronic delivery adjustment.
Variable displacement pistons pumps revert in neutral automatically to zero. Main Control Valve with Fail Safe Function and Anti drift valve.
H.A.O.A. (Hydrotronic Active Operation Aid)
E.S.S.C. (Engine Speed Sensing Control)
D.O.C. (Dipper Optimised Control)

C.P.B. (Continuous Power Boost)
New generation A.E.P. (Advanced Electronic Processor)

3 working Modes

H Mode - Heavy duty excavation work
S Mode - Standard digging and loading work
E Mode - Fuel Economy

Attachments Modes

Breaker (One-way hydraulic flow)
Nibbler (Two-way hydraulic flow)
Attachments flow and pressure setting from cab, 20 presets storage

Hydraulic pump

Max flow at rated engine speed.....2 x 176 l/min
Piloting circuit gear type pump.....max 22 l/min

Directional control valves

Type8-spool valve

System Pressures

Boom, Arm&Bucket34.3 MPa
with Power Boost37.8 MPa
Travel34.3 MPa
Swing28 MPa
Pilot control Circuit.....5 MPa



CAPACITIES

Engine oil12.1 l
Fuel tank.....286 l
Hydraulic system (included 154 l tank)180 l
Cooling system.....22 l



SWING

Swing motor.....axial piston type
Swing brakehydraulic brake
Swing speed.....0-11.5 rpm



CAB AND CONTROLS

Operator's cab

StructureFully enclosed steel structure
EVO operator cab evolution in comfort
and safety. Optional can be compliant to ROPS (ISO 12117-2) and FOPS
(ISO 10262 level II) standards

Rear cameraoptional
Monitor..... integrated multi-function control monitor
with integrated rear view camera display. (if opt. selected)

Operator's seat

Operator's seatAdjustable and reclining device

Operation

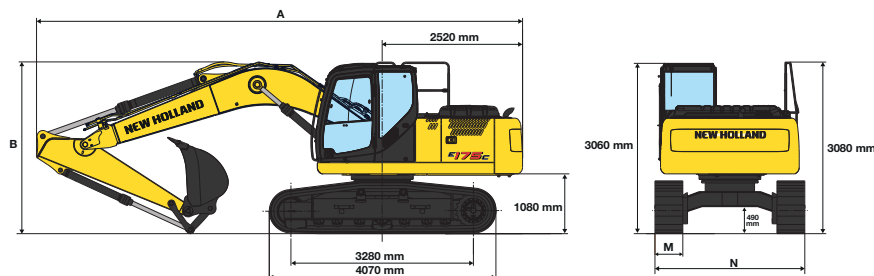
TravelTwo hand levers or two foot pedals for
forward and backward operations of each track independently
Excavating and swingTwo hand levers for four operations

Sound Level

External guaranteed sound level
(EU Directive 2000/14/EC)LwA 101 dB(A)
Operator cab sound pressure level (ISO 6396)LpA 68 dB(A)

DIMENSIONS - MONOBOOM

Boom lenght 5.2 m



L / LCVERSION

ARM		2200	2600	3100
A - Overall length	mm	8730	8680	8680
B - Boom height in transport position	mm	3090	2950	3030
Overall height	mm	3090	3080	3080

OPERATING WEIGHT - MONOBOOM

		L VERSION				LC VERSION				
M - Shoe width	mm	500	600	700	800	500	600	700	800	900
N - Maximum width	mm	2490	2590	2690	2790	2690	2790	2890	2990	3090

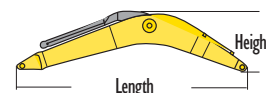
2200 ARM		L VERSION				LC VERSION				
Operating weight	kg	17480	17730	17970	18240	17580	17830	18080	18340	18590
Ground pressure	bar	0.52	0.44	0.38	0.34	0.53	0.44	0.39	0.34	0.31

2600 ARM		L VERSION				LC VERSION				
Operating weight	kg	17520	17770	18010	18270	17620	17870	18110	18380	18630
Ground pressure	bar	0.52	0.44	0.38	0.34	0.53	0.45	0.39	0.34	0.31

3100 ARM		L VERSION				LC VERSION				
Operating weight	kg	17610	17860	18100	18370	17710	17960	18200	18470	18720
Ground pressure	bar	0.53	0.45	0.39	0.34	0.53	0.45	0.39	0.35	0.31

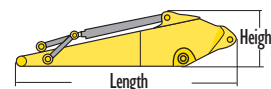
COMPONENT WEIGHTS & DIMENSIONS

BOOM		MONO BOOM 5.2 m
Length	m	5.390
Height	m	1.5
Width	m	0.620
Weight	kg	1290



MONOBOOM - L / LCVERSION

ARM		2200	2600	3100
Length	m	3.120	3.510	4.000
Height	m	0.800	0.740	0.820
Width	m	0.310	0.450	0.450
Weight	kg	630	680	750

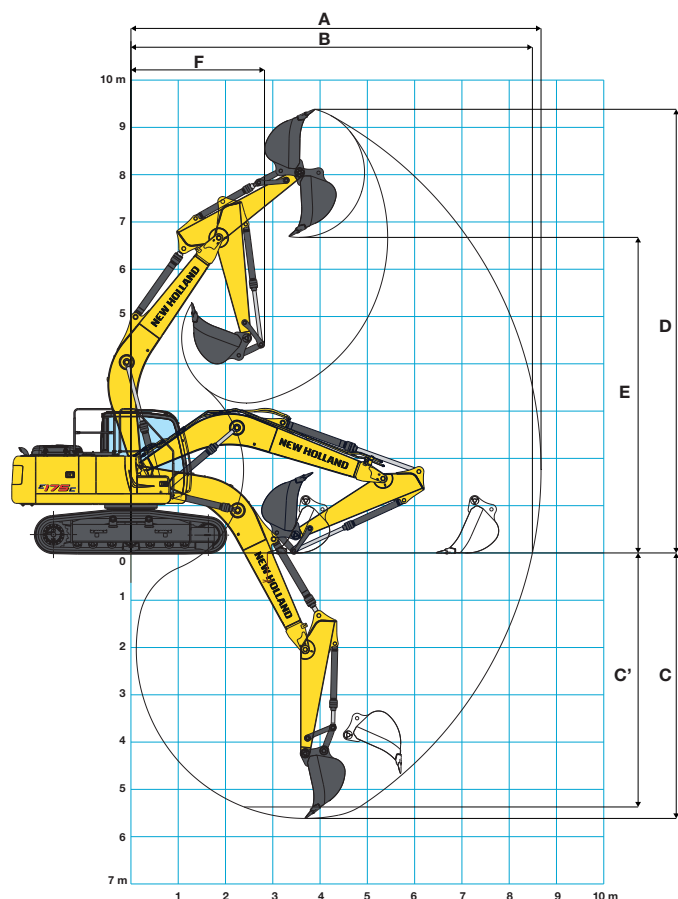


Counterweight	kg	3250
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EI75C

DIGGING PERFORMANCE

MONOBOOM



MONOBOOM				
ARM		2200	2600	3100
A - Max. digging reach	mm	8680	9030	9520
B - Max. digging reach at ground level	mm	8500	8850	9360
C - Max. digging depth	mm	5620	6020	6520
C' - 2,4 mt level digging depth	mm	5380	5800	6340
D - Max. digging height	mm	9390	9580	9970
E - Max. dumping clearance	mm	6680	6790	7260
F - Min. swing radius	mm	2830	2530	2260

BREAKOUT FORCE

MONOBOOM		
ARM		2200
Bucket	daN	12050
Arm	daN	10900

WITH "POWER BOOST" ON

MONOBOOM		
ARM		2200
Bucket	daN	13100
Arm	daN	11900

LIFTING CAPACITY - L VERSION

MONO BOOM - DIPPERSTICK 2200 mm

HEIGHT	RADIUS OF LOAD											
	1.5 m		3.0 m		4.5 m		6.0 m		7.5 m		AT MAX REACH	
	FRONT	SIDE	FRONT	SIDE	FRONT	SIDE	FRONT	SIDE	FRONT	SIDE	FRONT	REACH m
+9.0 m												
+7.5 m					4.6*	4.6*					3.7*	3.7*
+6.0 m					4.5*	4.5*	4.3*	3.6			3.3*	3.3
+4.5 m					5.1*	5.1*	4.4*	3.5			3.2*	2.7
+3.0 m					6.1*	5.1	4.8*	3.4	3.4*	2.4	3.3*	2.4
+1.5 m					7.0*	4.7	5.2*	3.2	3.9	2.4	3.5*	2.3
0 m					7.3*	4.4	5.2	3.1	3.9	2.4		7.41
-1.5 m	6.1*	6.1*	9.9*	7.9	7.0*	4.4	5.2	3.0			4.3	2.6
-3.0 m	10.8*	10.8*	8.1*	8.1*	5.9*	4.5					4.2*	3.2
-4.5 m											3.4*	3.4*

MONO BOOM - DIPPERSTICK 2600 mm

HEIGHT	RADIUS OF LOAD											
	1.5 m		3.0 m		4.5 m		6.0 m		7.5 m		AT MAX REACH	
	FRONT	SIDE	FRONT	SIDE	FRONT	SIDE	FRONT	SIDE	FRONT	SIDE	FRONT	REACH m
+9.0 m												
+7.5 m											2.5*	2.5*
+6.0 m							3.8*	3.7			2.3*	2.3*
+4.5 m					4.7*	4.7*	4.2*	3.6			2.2*	2.2*
+3.0 m			8.5*	8.5*	5.7*	5.2	4.6*	3.4	3.7*	2.4	2.3*	2.3
+1.5 m			6.5*	6.5*	6.8*	4.7	5.1*	3.2	3.9	2.4	2.4*	2.2
0 m			7.0*	7.0*	7.3*	4.4	5.2	3.1	3.8	2.3	2.7*	2.2
-1.5 m	5.9*	5.9*	10.4*	7.9	7.2*	4.4	5.1	3.0			3.3*	2.4
-3.0 m	9.4*	9.4*	8.8*	8.0	6.3*	4.4	4.5*	3.0			4.1*	2.9
-4.5 m			6.0*	6.0*	4.2*	4.2*					3.7*	3.7*

MONO BOOM - DIPPERSTICK 3100 mm

HEIGHT	RADIUS OF LOAD											
	1.5 m		3.0 m		4.5 m		6.0 m		7.5 m		AT MAX REACH	
	FRONT	SIDE	FRONT	SIDE	FRONT	SIDE	FRONT	SIDE	FRONT	SIDE	FRONT	REACH m
+9.0 m												
+7.5 m							2.3*	2.3*			1.9*	1.9*
+6.0 m							3.5*	3.5*			1.7*	1.7*
+4.5 m							3.8*	3.6	2.9*	2.5	1.7*	1.7*
+3.0 m			7.4*	7.4*	5.2*	5.2*	4.3*	3.4	3.8*	2.4	1.7*	1.7*
+1.5 m			9.5*	8.5	6.4*	4.8	4.9*	3.2	3.9	2.3	1.8*	1.8*
0 m			7.3*	7.3*	7.1*	4.5	5.2	3.0	3.8	2.3	2.0*	2.0
-1.5 m	5.2*	5.2*	9.2*	7.8	7.2*	4.3	5.1	2.9	3.7	2.2	2.3*	2.1
-3.0 m	8.0*	8.0*	9.5*	7.9	6.6*	4.3	4.8*	3.0			3.0*	2.5
-4.5 m	11.1*	11.1*	7.2*	7.2*	5.1*	4.5					3.6*	3.4

All the lift capacity values are in tonnes and without bucket

As per ISO 10567 the indicated load is no more than 87% of hydraulic system lifting capacity or 75% of static tipping load. Values marked with an asterisk are limited by the hydraulic system.

BUCKETS

MONOBOOM

BUCKETS			E175C L			E175C LC		
Capacity	Weight		Arm mm			Arm mm		
Width (ISO 7451)								
mm	m ³	kg	2200	2600	3100	2200	2600	3100
500	0.24	375						
780	0.43	475						
880	0.51	510						
1030	0.63	560						
1230	0.80	610						
1330	0.90	665						

LIFTING CAPACITY - LC VERSION

MONO BOOM - DIPPERSTICK 2200 mm

HEIGHT	RADIUS OF LOAD											
	1.5 m		3.0 m		4.5 m		6.0 m		7.5 m		AT MAX REACH	
	FRONT	SIDE	FRONT	SIDE	FRONT	SIDE	FRONT	SIDE	FRONT	SIDE	FRONT	REACH m
+9.0 m												
+7.5 m					4.6*	4.6*					3.7*	3.7*
+6.0 m					4.5*	4.5*	4.3*	4.1			3.3*	3.3*
+4.5 m					5.1*	5.1*	4.4*	4.1			3.2*	3.1
+3.0 m					6.1*	5.8	4.8*	3.9	3.4*	2.8	3.3*	2.8
+1.5 m					7.0*	5.4	5.2*	3.7	4.0	2.7	3.5*	2.7
0 m					7.3*	5.2	5.4	3.6			3.9*	2.7
-1.5 m	6.1*	6.1*	9.9*	9.5	7.0*	5.1	5.2*	3.5			4.3*	3.0
-3.0 m	10.8*	10.8*	8.1*	8.1*	5.9*	5.2					4.2*	3.7
-4.5 m											3.4*	3.4*

MONO BOOM - DIPPERSTICK 2600 mm

HEIGHT	RADIUS OF LOAD											
	1.5 m		3.0 m		4.5 m		6.0 m		7.5 m		AT MAX REACH	
	FRONT	SIDE	FRONT	SIDE	FRONT	SIDE	FRONT	SIDE	FRONT	SIDE	FRONT	REACH m
+9.0 m												
+7.5 m											2.5*	2.5*
+6.0 m							3.8*	3.8*			2.3*	2.3*
+4.5 m					4.7*	4.7*	4.2*	4.0			2.2*	2.2*
+3.0 m			8.5*	8.5*	5.7*	5.7	4.6*	3.8	3.7*	2.7	2.3*	2.3*
+1.5 m			6.5*	6.5*	6.8*	5.3	5.1*	3.6	3.9	2.6	2.4*	2.2
0 m			7.0*	7.0*	7.3*	5.0	5.2	3.4	3.8	2.6	2.7*	2.4
-1.5 m	5.9*	5.9*	10.4*	9.1	7.2*	4.9	5.2	3.3			3.3*	2.7
-3.0 m	9.4*	9.4*	8.8*	8.8*	6.3*	5.0	4.5*	3.4			4.1*	3.2
-4.5 m			6.0*	6.0*	4.2*	4.2*					3.7*	3.7*

MONO BOOM - DIPPERSTICK 3100 mm

HEIGHT	RADIUS OF LOAD											
	1.5 m		3.0 m		4.5 m		6.0 m		7.5 m		AT MAX REACH	
	FRONT	SIDE	FRONT	SIDE	FRONT	SIDE	FRONT	SIDE	FRONT	SIDE	FRONT	REACH m
+9.0 m												
+7.5 m							2.3*	2.3*			1.9*	1.9*
+6.0 m							3.5*	3.5*			1.7*	1.7*
+4.5 m							3.8*	3.8*	2.9*	2.8	1.7*	1.7*
+3.0 m			7.4*	7.4*	5.3*	5.3*	4.3*	3.8	3.8*	2.7	1.7*	1.7*
+1.5 m			9.5*	9.5*	6.4*	5.4	4.9*	3.6	3.9	2.6	1.8*	1.8*
0 m			7.3*	7.3*	7.1*	5.0	5.2	3.4	3.8	2.5	2.0*	2.0*
-1.5 m	5.2*	5.2*	9.2*	8.9	7.2*	4.8	5.1	3.3	3.8	2.5	2.3*	2.3*
-3.0 m	8.0*	8.0*	9.5*	9.1	6.6*	4.9	4.8*	3.3			3.0*	2.8
-4.5 m	11.1*	11.1*	7.2*	7.2*	5.1*	5.0					3.6*	3.6*

- General digging work (specific weight of material < 1.8 t/m³)
- Slightly heavy digging work (specific weight of material < 1.5 t/m³)
- Loading work (specific weight of material < 1.2 t/m³)

STANDARD EQUIPMENT

- Tier 3 Engine 4 cylinders 4.5 liters
- H.A. O.A. (Hydrotronic active operation aid)
- C.P.B. (Continuos Power Boost)
- Auto-Idling device
- 1 track guide for each side
- Two travel speed with Automatic Down Shift device
- Tool box
- Centralized boom lubrication
- Grease bath swing ring
- Rear mirror
- Two spot light on lifting boom
- Transparent cab roof and opening front window
- Mechanical seat suspension
- Adjustable armrests
- New generation A.E.P. (Advanced Electronic Processor)
- Multi-function control monitor with integrated rearview camera, mode and attachments selection, gauges for coolant temperature, fuel tank, maintenance schedules, system status.
- Auto-Idling mode selector.
- Automatic air conditioner
- Heavy lift switch
- Pressure drain switch
- Horn
- One piece boom, triple articulation (2 piece boom)

OPTIONS

- Automatic fuel electrical pump
- Rear view camera
- Cab with structures compliant per ISO 12177-2 (ROPS) and ISO 10262 (FOPS)
- Radio USB&Bluetooth with speakers set
- Antitheft device
- Rotating beacon
- Cab additional lights and rain protection
- Cab front guard
- Lower frame cover
- Arm protection
- Front and rear additional track guide
- Hydraulic quick coupler provision
- Object handling kit
- Customer color
- Heated air suspension seat
- Hammer and crusher circuit with foot control
- Hammer and crusher circuit HPC (Hydraulic Proportional Control)
- Hammer, crusher and extra circuit (Hydraulic Proportional Control)
- Arm :
2200
2600
3100
- Shoes: L version 500 - 600 - 700 - 800 mm
LC version 500 - 600 - 700 - 800 - 900 mm

Note: standard and optional equipment may vary by country. Consult your NEW HOLLAND dealer for specific details.

AT YOUR OWN DEALERSHIP

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ELEMENTAL
CHLORINE
FREE
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