EUROPEAN
PLANT SERVICES

E75C SR E85C MSR

	E75C SR MONOBOOM	E75C SR OFFSET BOOM	E85C MSR SWING BOOM
ENGINE POWER		42 kW - 56 hp	
MAX OPERATING WEIGHT*	7540 kg	8430 kg	8270 kg
BUCKET CAPACITY		0.23 - 0.35 m^3	

* With long arm and 450 mm rubber shoes

NEW HOLLAND CONSTRUCTION

BUILT AROUND YOU


OUTSTANDING
EFFICIENCY
ULTRA QUIET
OPERATION


DELUXE
EVO CAB
EASY
MAINTENANCE
EVO
NEW HOLLAND

EFFICIENT TIER 4 FINAL TECHNOLOGY

GET THE MOST FROM YOUR FUEL

New Holland midis feature a cutting-edge electronic high pressure common-rail engine that excels both in performance and low emissions level. An electronic control unit continuously analyses the best timing and quantities for the fuel injection and re-circulated exhaust gases into the combustion chamber. The result is optimal use of every drop of fuel, minimised emissions and low engine noise.

TIER 4 FINAL WITHOUT DIESEL PARTICULATE FILTER (DPF)

The stringent Tier 4 Final emissions standards are met without a DPF. This means there is no need for filter regeneration so that less fuel is used, and there is no need to service this costly component. The result: more savings!

MAINTENANCE FREE DIESEL OXYDATION CATALYST (DOC)

A maintenance free Diesel Oxydation Catalyst breaks down pollutants converting them into harmless emissions.
The DOC is automatically regenerated with the exhaust gases and therefore is a service-free component

MORE UPTIME

The significant improvement in fuel consumption combined with a larger fuel tank (120 l) and extended service intervals results in more uninterrupted working hours.

INTELLIGENT HYDRAULIC SYSTEM

EASY-TO-SWITCH WORKING MODES

31.4% FUEL SAVING

UNMATCHED CONTROLLABILITY

The C-Series midis' unmatched controllability is achieved with three pumps intelligently coordinated by an electro-hydraulic actuator. Three oil pressure sensors allow flow and pressure compensation, so that only the necessary oil flow is drained back to the oil tank. This way no fuel is wasted to move oil that is not required for the specific work load.

THE RESULTS ARE:

- **Excellent controllability of each movement**
- **Top-class work performance**
- **Improved simultaneous movements**
- **Reduced fuel consumption**

TAILOR MADE PERFORMANCE

Just by pressing one button on the multifunction digital cluster, the operator can choose from three different working modes, with a setting of the hydraulic pumps to meet the operator's specific needs:

- **H-MODE (heavy duty work) : delivers maximum machine performance**
- **S-MODE (standard work and load operations): is most suitable for general applications**
- **ECO-MODE (for low fuel consumption digging work): ensures outstanding fuel economy**

NEW ECO-MODE

76.8 kN

AMAZING TRACTIVE POWER

Dozing has never been more efficient!
With best-in-class drawbar pull force (76.8 kN) and independent pumps for travel motor and dozer, C-Series midis will positively impress you. Dozing is fast and accurate even when simultaneous movements are required.

* Fuel saving in new ECO-Mode vs B-Series in S-Mode (Source: internal tests)

ULTRA QUIET OPERATION

iNDr Integrated Reduction Cooling System

REVOLUTIONARY INDR COOLING SYSTEM

The New Holland mid-size crawler excavators feature the revolutionary Integrated Noise and Dust Reduction (iNDr) cooling system, which minimizes noise, optimises cooling and maximises particulate filtration.
The Integrated Noise & Dust Reduction cooling system is an innovative solution that has solved the two key issues facing all cooling systems: noise & dust. The secret is the AIR flow management.
The air goes through a filter first, ensuring that only clean air enters the engine. It then follows a duct, passing holes and joints, which dramatically reduces noise, and then exits the engine through specially designed apertures.
This patented system is the result of many years of research and development.

THE BENEFITS?

- **Ultra-low-noise operation: 69 dB(A) inside the cab**
- **Easy maintenance: you just need to clean the filter to keep the entire cooling system working perfectly**
- **No risk of clogging of the cooling system**

THE IDEAL EXCAVATOR FOR URBAN JOBSITES

SILENT, SAFE, CLEAN, FAST AND COMPACT

New Holland midis are the best choice for customers who cannot compromise on performance and safety, but need to work in urban jobsites where low emissions, low noise and compact dimensions are essential. The short radius design minimises the risk of hitting the tail of the machine against obstacles or walls, allowing the operator to concentrate on the job.

EASY TRENCH DIGGING WITH OFFSET BOOM

Our unique offset boom is the ideal solution to dig trenches alongside a wall, since the operator has a direct view of the bucket and can perform the task always moving forward, without needing to reposition the machine.

E75C SR
Short Radius Mono boom & Offset boom

Minimum tail overhang, just 140mm
Machine can swing and dump in very tight spaces:
Mono boom ..... 3.00 meters
Offset boom ..... 2.97 meters
Superior swing performance
Swing speed: ..... 11.5 RPM
Swing torque ..... 19.1 kNm

E85C MSR
Medium Short Radius Swing boom

High boom swing angles:
62° ..... to the left
67° ..... to the right
Only 500 mm tail overhang
Superior swing performance
Swing speed ..... 11.5 RPM
Swing torque ..... 19 kNm

EASY TO TRANSPORT

C-Series midis have been developed bearing in mind that compact transport dimensions are important for the customer. For this reason, max height is now only 2600 mm and max width only 2300 mm with the standard undercarriage (LC) and 2250 mm with the narrow undercarriage (NLC).

WELCOME ON BOARD

PLENTY OF ROOM AND FEATURES

Accessing the cab is easy thanks to the ergonomic handrails and a wide door. Legroom is generous and the double-slide seat and joysticks or seat-only slide adjustment enable the operator to find the ideal working position. A pneumatic cushioned and heated seat is available as a factory fitted option. Opening and closing the front window is easy with the one-touch lock release, and the lower front window can easily be removed and stored in the rear left area of the cab.

OUTSTANDING VISIBILITY

The new EVO cab provides excellent all-round visibility, with a full size right window and four standard rear view mirrors. There is no pillar on the right window, and the front glazed area goes from the roof to the floor of the cab.

DESIGNED FOR MAXIMUM OPERATOR SAFETY AND COMFORT

The EVO cab on New Holland midis complies with ROPS and FOPS Level II standards. For extreme applications, additional protection is provided by the Front Guard option. Every machine is equipped with a hammer for emergency exit. For increased safety during lifting operations we offer the object handling kit that includes an overload alarm. In order to increase operator satisfaction, New Holland midis feature and efficient A/C system, which automatically maintains the pre-set temperature inside the cab. The AM/FM radio, digital instrument cluster and the mechanical suspension seat come as standard equipment.

CONVENIENT MAINTENANCE

EASY MAINTENANCE GUARANTEED WITH:

- A **fast and easy access to components**, requiring regular maintenance, such as engine and hydraulic filters, hydraulic pumps and filters, cooling units, fuse box, air conditioner filters.
- **Long service intervals:** : hydraulic oil lasts 5000 hours. The oil filter has a 1000 hour replacement cycle. The double-element air filter has twice the service life of previous air cleaners.
- The **self-diagnostic function** provides an early-warning detection and display of any malfunctions in the electrical system, preventing severe damage. It also alerts when maintenance is due.
- **Designed for reliability:** the iNDr filter blocks out dust. It is easy to do a visual checking, and when necessary the filter can be cleaned easily and quickly.
- **An easy-to-clean cab:** a detachable two-piece floor mat with handles for easy removal, combined with a floor drain located under the floor mat, make cleaning the cab easy. The crawler frame design is easily cleaned of mud.

TELEMATICS INSIDE

HOW IT WORKS

1

GPS POSITIONING

Your machine receives its GPS positioning from the satellite.

2

INFORMATION GATHERING

Your machine collects its working condition, engine and Can-Bus information, and sends it to the New Holland Fleetforce Web Portal through the mobile networks.

FLEETFORCE™

LOWER MAINTENANCE AND OPERATING COSTS

You can access the maintenance information of every unit in your fleet from your desk and receive alerts when a machine is due for service. The maintenance plans can be synchronised automatically with your dealer, so that they run smoothly and the good health of the entire fleet is maintained at all times.

HEALTH CHECK AND BREAKDOWN PREVENTION

New Holland's telematics system will provide you with detailed performance information, such as engine load, fuel consumption and Can-Bus based reports, so that you will be able to detect immediately if any of your units is not operating as it should. You and your dealer will also be able to monitor up to 12 key health parameters for each unit, such as engine, coolant and hydraulic oil temperatures, and other Can-Bus based data. This will enable you to detect any anomalies before they become a problem and prevent equipment failures.

EFFECTIVE FLEET MANAGEMENT

New Holland's telematics system puts you in direct contact with each machine in your fleet, collects the performance and maintenance information from the units and their location data from GPS satellites and transmits it all through the mobile networks to the New Holland Telematics Web Portal: you can manage your fleet efficiently without leaving your desk.

MAXIMISE YOUR FLEET'S PRODUCTIVITY

You can map the location of every unit and monitor when it is working, idle or travelling between jobsites. By identifying under- or over-used machines, you will be able to optimise the utilisation of the equipment through effective job assignment and preventing machines being left idling when not working.

SECURITY AND CONTROL

You can also geo-fence your machines so that an e-mail alert is sent if one is taken out of the jobsite. You can also prevent the unauthorised use of the units setting up a working curfew and motion detection service to alert you if a machine is moved out of hours. By improving your fleet's security, you will also benefit from lower insurance premiums.

3

INFORMATION STORAGE AND PROCESSING

The New Holland Fleetforce Web Portal stores all your machine's information throughout its life cycle and makes it accessible to you in a user-friendly format.

4

MANAGING YOUR FLEET

You can access your machine's reports on your computer, through the New Holland Fleetforce Web Portal, and manage your fleet without leaving your desk.

E75C SR / E85C MSR

SPECIFICATIONS

ENGINE TIER 4 FINAL

Make and model ..... Isuzu Motor - AP4LE2X
Emissions level ..... Tier 4 Final / Stage III B
Net Engine Power (ISO 14396) ..... 42 kW/2000 min^{-1}
Net Torque (ISO 14396) ..... 211 kN/1800 min^{-1}
iNDr Integrated Noise&Dust Reduction Cooling System ..... Standard
Auto-idling selector returns engine to minimum rpm when all controls are in neutral position ..... Standard

HYDRAULIC SYSTEM

3 pump system ..... "Travel P1; P2 (variable displacement pumps) - Independent Dozer P3 (gear pump)"
H Mode ..... Heavy duty excavation work
S Mode ..... Standard digging and loading work
ECO Mode ..... Ecology & Fuel Economy
Max flow at rated engine speed ..... 2 × 66 l/min

E75C SR / E75C SR OFFSET
Piloting circuit gear type pump ..... 1 × 18 l/min

E85C MSR
Piloting circuit gear type pump ..... 1 × 46 l/min

System Pressures

E75C SR / E75C SR OFFSET
Offset Head ..... 32.9 MPa/ NA
Boom, Arm & Bucket ..... 32.9 MPa

E85C MSR
Offset Head ..... NA
Boom, Arm & Bucket ..... 32.9 MPa

SWING

Swing motor ..... 1× axial piston type
Swing brake ..... Hydraulic brake
Swing speed ..... 11.5 min^{-1}

TRANSMISSION

Travel speed ..... 2.6 / 5.3 km/h
Gradeability ..... 70% (35°)
Draw Bar Pull ..... 76.8 kN

UNDERCARRIAGE

X-frame undercarriage design ..... Standard

E75C SR
Ground pressure
with 450 mm shoe ..... 37.8 kPa
with 600 mm shoe ..... 29.1 kPa

E75C SR OFFSET
Ground pressure
with 450 mm shoe ..... 33.7 kPa
with 600 mm shoe ..... 26.3 kPa

E85C MSR
Ground pressure
with 450 mm shoe ..... 37.1 kPa
with 600 mm shoe ..... 28.6 kPa
All rollers and idler are inside flanged with floating seals

DOZER BLADE

E75C SR / E75C SR OFFSET
Width x Height ..... 2300 x 460 mm
Max lifting above ground level ..... 360 mm
Max depth below ground level ..... 250 mm

E85C MSR
Width x Height ..... 2300 x 455 mm
Max lifting above ground level ..... 500 mm
Max depth below ground level ..... 405 mm

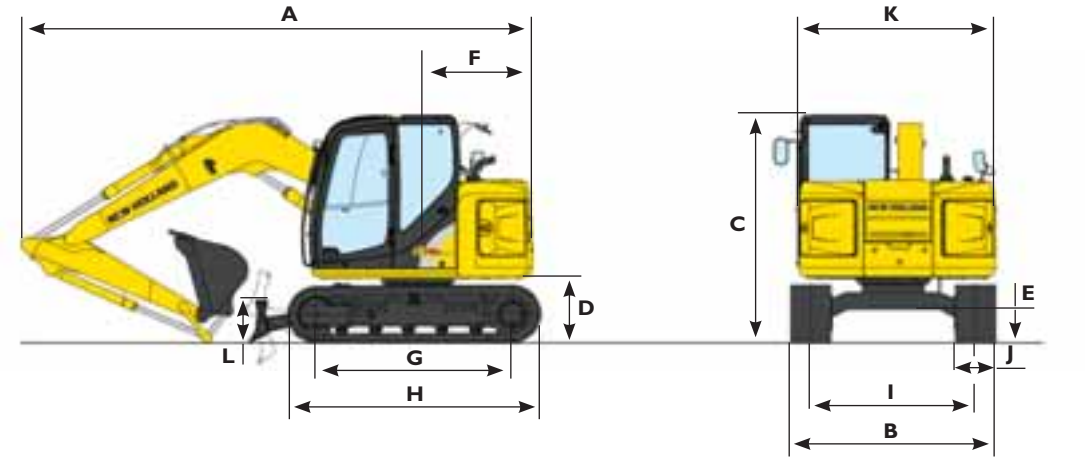
CAB AND CONTROLS

Structure ..... Fully enclosed steel structure.
ROPS ..... Standard.
FOPS (Level II) ..... Standard.
Operator's seat ..... Adjustable and reclining device.

CAPACITIES

Fuel tank ..... 120 l
Hydraulic oil reservoir ..... 36 l
Hydraulic system including hydraulic oil reservoir ..... 85 l
Cooling system ..... 8.5 l

DIMENSIONS



		E75C SR				E85C MSR	
ARM		**OFFSET BOOM**		**MONO BOOM**			
		1.76 m	**2.06 m**	**1.71 m**	**2.13 m**	**1.87 m**	**2.13 m**
A - Overall length	mm	6150	6190	5830	6360	6740	6760
B - Overall width of crawler	mm	2300	2300	2250*/ 2300	2250*/ 2300	2250*/ 2300	2250*/ 2300
C - Overall height (to top of cab)	mm	2600	2600	2600	2600	2600	2600
D - Ground clearance of rear end	mm	700	700	700	700	700	700
E - Ground clearance	mm	350	350	350	350	350	350
F - Tail swing radius	mm	1290	1290	1290	1290	1650	1650
G - Tumbler distance	mm	2210	2210	2210	2210	2210	2210
H - Overall length of crawler	mm	2830	2830	2830	2830	2830	2830
I - Track gauge	mm	1850	1850	1700*/1850	1700*/1850	1700*/1850	1700*/1850
J - Shoe width	mm	450/600	450/600	450/600	450/600	450/600	450/600
K - Overall width of upperstructure	mm	2250	2250	2250	2250	2250	2250
L - Dozer blade (up/down)	mm	360/250	360/250	360/250	360/250	500/405	500/405

* NLC version

DIGGING FORCE

		E75C SR				E85C MSR	
ARM		**OFFSET BOOM**		**MONO BOOM**			
		1.76 m	**2.06 m**	**1.71 m**	**2.13 m**	**1.87 m**	**2.13 m**
Bucket breakout force	kN	52.50	52.50	52.7	52.7	52.7	52.7
Arm breakout force	kN	40.00	35.90	39.4	35.2	37.1	35.2

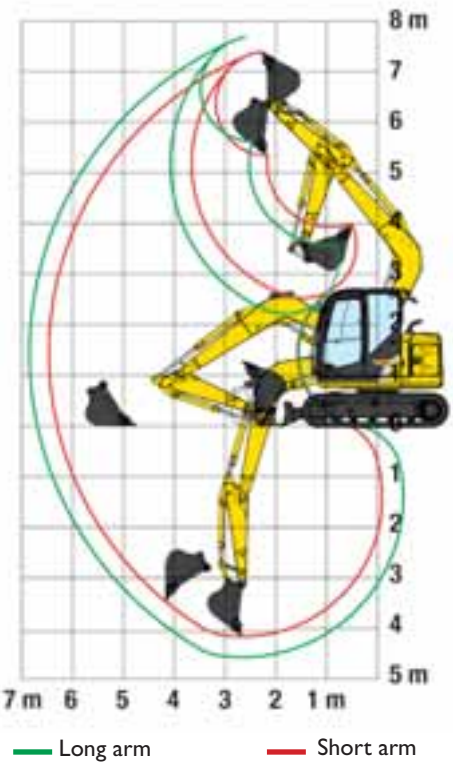
OPERATING WEIGHT

		E75C SR OFFSET BOOM	E75C SR MONO BOOM	E85C MSR
450 mm rubber shoes	Kg	8430*	7540**	8270**
600 mm rubber shoes	Kg	8650*	7760**	8500**

* with 2.06 m Arm - ** with 2.13 m Arm

E75C SR / E85C MSR

DIGGING PERFORMANCE



E75C SR MONOBOOM

ARM		1.71 m	2.13 m
Max. digging reach	m	6.48	6.86
Max. digging reach at ground level	m	6.35	6.76
Max. digging depth	m	4.16	4.58
Max. digging height	m	7.41	7.75
Max. dumping height	m	5.34	5.67
Min. dumping height	m	2.46	2.19
Max. vertical wall digging depth	m	3.87	4.34
Min. swing radius	m	1.71	2.11
Digging depth for 2.4 m flat bottom	m	3.80	4.31

E75C SR OFFSET BOOM

ARM		Max. left	1.76 m Center	Max. right	Max. left	2.06 m Center	Max. right
Max. digging reach	m	6.11	6.48	5.78	6.39	6.75	6.05
Max. digging reach at ground level	m	5.97	6.34	5.62	6.25	6.62	5.90
Max. digging depth	m	3.94	4.30	3.60	4.24	4.60	3.90
Max. digging height	m	7.18	7.50	6.88	7.41	7.73	7.11
Max. dumping height	m	5.11	5.43	4.81	5.34	5.66	5.04
Min. dumping height	m	2.13	2.45	1.83	1.85	2.17	1.55
Max. vertical wall digging depth	m	3.02	3.37	2.70	3.36	3.71	3.04
Min. swing radius	m	1.42	1.22	2.04	1.44	1.32	2.04
Digging depth for 2.4m flat bottom	m	3.55	3.92	3.21	3.89	4.26	3.55

E85C MSR

ARM		1.87 m	2.13 m
Max. digging reach	m	7.24	7.50
Max. digging reach at ground level	m	7.07	7.34
Max. digging depth	m	4.20	4.46
Max. digging height	m	7.00	7.22
Max. dumping height	m	4.94	5.16
Min. dumping height	m	1.93	1.68
Max. vertical wall digging depth	m	3.50	3.86
Min. swing radius	m	2.70	2.78
Digging depth for 2.4 m flat bottom	m	3.84	4.14

E75C SR
LIFTING CAPACITY- MONOBOOM

ARM 2.13 m, SHOE 450 mm

HEIGHT	RADIUS OF LOAD							
	1.5 m		3.0 m		4.5 m		AT MAX REACH	
	FRONT	SIDE	FRONT	SIDE	FRONT	SIDE	FRONT	SIDE
+6.0 m			1.80	1.80			1.41	1.41
+4.5 m					1.51	1.29	1.21	1.03
+3.0 m			2.28	2.28	1.44	1.22	0.91	0.76
+1.5 m			2.67	2.18	1.32	1.11	0.80	0.66
0 m			2.40	1.93	1.22	1.01	0.80	0.66
-1.5 m	3.32	3.32	2.33	1.87	1.17	0.97	0.93	0.77
-3.0 m	3.13	3.13	2.04	1.93			1.37	1.21

E75C SR
LIFTING CAPACITY- OFFSET BOOM

ARM 2.13 m, SHOE 450 mm, COUNTERWEIGHT +300 Kg

HEIGHT	RADIUS OF LOAD					
	3.0 m		4.5 m		AT MAX REACH	
	FRONT	SIDE	FRONT	SIDE	FRONT	SIDE
+6.0 m					1.75	1.75
+4.5 m			1.69	1.43	1.41	1.19
+3.0 m	2.43	2.43	1.59	1.34	1.01	0.84
+1.5 m	2.85	2.30	1.41	1.16	0.86	0.70
0 m	2.44	1.93	1.25	1.01	0.84	0.68
-1.5 m	2.33	1.83	1.19	0.95	0.98	0.79
-3.0 m	2.14	1.91			1.58	1.27

E85C MSR
LIFTING CAPACITY- SWING BOOM

ARM 2.13 m, SHOE 450 mm

HEIGHT	RADIUS OF LOAD									
	1.5 m		3.0 m		4.5 m		6.0 m		AT MAX REACH	
	FRONT	SIDE	FRONT	SIDE	FRONT	SIDE	FRONT	SIDE	FRONT	SIDE
+6.0 m									1.07	1.07
+4.5 m					1.57	1.57			0.89	0.89
+3.0 m					1.72	1.50	1.03	0.90	0.88	0.81
+1.5 m			3.05	2.54	1.58	1.36	0.98	0.85	0.84	0.73
0 m	1.80	1.80	2.79	2.30	1.47	1.25	0.94	0.80	0.85	0.80
-1.5 m	3.26	3.26	2.77	2.28	1.43	1.21			1.00	0.86
-3.0 m			2.86	2.36					1.58	1.35

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.

STANDARD EQUIPMENT

- Tier 4 Final / Stage 3B Engine
- Isuzu engine 2,2 l
- Auto-Idle Function
- Electric refuel pump
- I. N. D. R. (Integrated Noise & Dust Reduction Cooling System)
- 3 working modes: h-mode; s-mode and eco-mode
- Two travel speeds with automatic down shift device
- Foot pedal or lever travel control
- Automatic Air Conditioning
- Heater and defroster
- 7-way adjustable seat
- Radio am/fm with speaker
- Pull-type front window and removable lower front window
- Multi-function electronic instrument panel
- Two-speed intermittent operation windshield wiper
- Tool box
- Rops/Fops Level 2 Cab
- Hammer for emergency exit
- Four rear mirrors
- Two front working lights (boom, guard)
- Horn

OPTIONS

- Long and short arms
- Nibbler & Breaker circuit with foot control
- "Nibbler & Breaker circuit HPC (Hydraulic Proportional Control)"
- "Nibbler & Breaker and extra circuit (Hydraulic Proportional Control)"
- "Nibbler & Breaker circuit (foot control) + extra circuit HPC (Hydraulic Proportional Control)"
- Heated air suspension seat
- Object Handling Kit
- 450 & 600 mm Steel Track Shoes
- 450 mm Rubber Crawler
- 450 mm Steel Track Shoes + Bolt on Rubber Pad Shoes
- 450 mm Geo Grip Shoes
- Additional Lights (Two Lights)
- Rain Protection Roof
- Front Cab Guard
- Lower Frame Guard
- Heavier Counterweight (High Density Type) +260 Kg
- Additional Bolt On Counterweight +400Kg
- Biological Hydraulic Oil

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

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.

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