

UMG

CONSTRUCTION
EQUIPMENT



ROAD CONSTRUCTION EQUIPMENT & SPECIALTY MACHINES

CRAWLER EXCAVATORS



CRAWLER EXCAVATORS

HOUSING & COMMUNITY SERVICES

AGRIBUSINESS

MINING & PROCESSING

ROAD CONSTRUCTION

COMMERCIAL,
CIVIL & INDUSTRIAL
CONSTRUCTION

OIL & GAS AND
ELECTRIC POWER INDUSTRY

LUMBER INDUSTRY

TRANSPORT INFRASTRUCTURE

IRON & STEEL INDUSTRY



MODELS

E160C

E180C

E200C

E200NC

TX220 NLC/LC

E220C

E240C

TX270

TX300

E300C

E330C

E400C



KEY BENEFITS

VERSATILITY

A wide range of additional attachments: different types of buckets, grapples, hammers, breakers, rippers, hydraulic shears, log grabs and more.

EASY MAINTENANCE

Large service openings and engine hood for easy access & inspection. Close-together arrangement of filters and central lubrication point ensure that routine checks are exercised quicker.

COMFORT

Newly designed cab with modern interior, ergonomic controls, improved air ducts for defogging, heating and air-conditioning. The standard configuration features a climate control unit (heater & air-conditioner), stereo kit, ergonomic operator's seat. Color LCD monitor to display working fluids' temperatures, fuel level etc.

HIGH EFFICIENCY

The LUDV flow sharing system ensures that individual functions are assigned different speeds and directions of movement with minimum loss of power. Flow sharing with the priority for slewing ensures best performance.

PROTECTION OF UNDERCARRIAGE

Lower removable protective cover under the track frame to protect the slew bearing, slew ring and hydraulic lines.

EXCEPTIONAL VISIBILITY

Large glass area and effective lighting of the operating zone.

RELIABILITY

Reliable high track undercarriage increasing the ground clearance and larger ground contacting area of the track.





CAB

Modern interior and equipment to ensure operator's comfort during the whole shift. Operator's seat with numerous adjustments to suit all operators. The standard configuration features the climate control system which includes a heater, air conditioner and cab air filter. It creates cabin pressurization that encapsulates the operator from environmental exposure, while the air filters ensure clean air in the cab.



POWERTRAIN

UMG CE excavators feature modern powerful and efficient engines that ensure long-term and reliable operations. The turbo engine from Deutz (Germany), water-cooled, high-pressure fuel injection with Deutz common rail system, and charge air cooler, complies with Tier 2 standard. Turbocharged engines from YaMZ or CUMMINS KAMA (Russia), water-cooled, with high-pressure fuel injection system Common Rail, electronic control, supercharged air intercooler, comply with Tier 3 emission standards.





UNDERCARRIAGE

All excavators have robust and rigid tracked undercarriage. Our engineers when designing the steel components have used the cutting-edge engineering solutions and software. The track frame is made of high-strength structural alloy steels that make it exceptionally resistant to bending and torsion which occur during intensive operations. The track frames of all models have protective removable cover to prevent debris & dust getting into the rotary manifold onto the slew ring and hydraulic lines to ensure longer utilization of the machines.

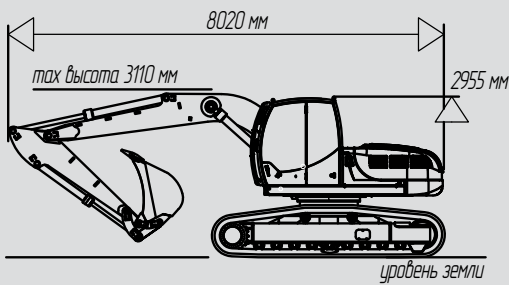
The track tensioner ensures effective absorption of shocks that occur during offroad maneuvering. The lubrication & adjustment points are located in easy accessible place protected from external effects.

Superior tractive force enables the machine to travel on offroad and sticky terrains. The integrated disk parking brakes enable the machine to climb gradients with ease.

E 200 NC and TX 220 NLC models have the overall width of 2,500 mm that ensures transportation by any lowboy trailer on public roads. The Company's R&D Center has engineered these models to meet our customers' wishes, and at the same time we have kept all the benefits of the comparable E 200 C and TX 220 LC models that have already built the reputation.

To ensure operations on weak & swampy soils, in peat mining or oil & gas production we can offer wider tracks with the track shoe width of up to 1,200 mm to improve stability and offroad capabilities of the machine.

E160C



SPECIFICATIONS	E160C				
Track shoe width, mm	1200*	600	800	1000	1200
Operating weight, t (stick 2,000 / 2,310 / 2,800 mm)	15,2	15,0	15,5	16,0	16,7
		15,2	15,7	16,2	16,9
		15,4	15,9	16,4	17,1

ENGINE	
Model	Deutz BF 4M 2012
Power, kW (hp)	67 (90) at 2,000 rpm

UNDERCARRIAGE	
Ground clearance, mm	446
Max travel speed, kmph	3,4
Ground pressure, kg/cm ²	0,178 0,350 0,270 0,223 0,195

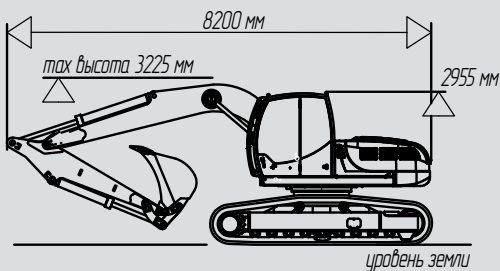
WORKING RANGES & PARAMETERS	
Cycle, sec	12
Stick, mm	2310** 2000 2310 2800
Bucket capacity, m ³	0,8/1,0*** 0,55 / 0,8 0,8 / 1,2*** 0,55
Max digging depth, mm	5640 5330 5640 6130
Max digging reach, mm	8965 8660 8965 9445
Max dumping height, mm	6510 6230 6510 6895

DIMENSIONS	
Overall length, mm	8055 8055 8055 8055
Overall height of boom, mm	2955 2860 2955 3165
Overall height of cab, mm	2955 2955 2955 2955
Overall width, mm	3600 2800 3000 3200 3600

- * peat excavator
- ** standard stick
- *** peat bucket

key advantages

E180C



SPECIFICATIONS	E180C			
Track shoe width, mm	600	800	1000	1200
Operating weight, t (stick 2,530 / 3,000 / 3,600 mm)	18	18,5	19	19,7
	18,2	18,7	19,2	19,9
	18,4	18,9	19,4	20,1

ENGINE	
Model	Deutz BF 4M 2012 C
Power, kW (hp)	87 (117) at 2,100 rpm
	90 (122) at 2,200 rpm

UNDERCARRIAGE	
Ground clearance, mm	446
Max travel speed, kmph	3,4
Ground pressure, kg/cm ²	0,42 0,32 0,27 0,23

WORKING RANGES & PARAMETERS	
Cycle, sec	13,5
Stick, mm	2530 3000 3600
Bucket capacity, m ³	1 0,8 0,65/0,8*
Max digging depth, mm	6190 6660 7260
Max digging reach, mm	9200 9650 10230
Max dumping height, mm	5970 6250 6600

DIMENSIONS	
Overall length, mm	8180 8190 8190
Overall width, mm	2800 3000 3200 3600
Overall height of boom, mm	2980 2960 3170
Overall height of cab, mm	2955 2955 2955

- * standard stick
- ** bucket for materials with the density of up to 1,400 kg/m³

key advantages