

UMG

CONSTRUCTION
EQUIPMENT

ROAD CONSTRUCTION EQUIPMENT & SPECIALTY MACHINES

CRAWLER EXCAVATORS



UMG

CRAWLER EXCAVATORS

www.umd-sdm.com

HOUSING & COMMUNITY SERVICES

AGRIBUSINESS

MINING & PROCESSING

ROAD CONSTRUCTION

COMMERCIAL,
CIVIL & INDUSTRIAL
CONSTRUCTION

OIL & GAS AND
ELECTRIC POWER INDUSTRY

TRANSPORT INFRASTRUCTURE

LUMBER INDUSTRY

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.

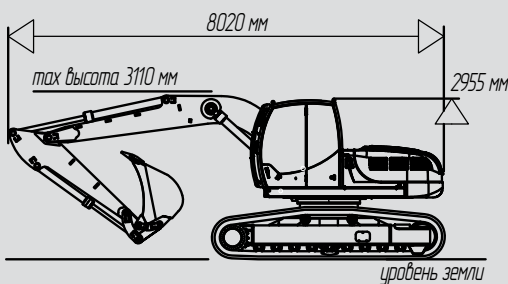
Superior tractive force enables the machine to travel on offroad and sticky terrains. The integrated disk parking brakes enable the machine to climb gradients with ease.

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

CRAWLER EXCAVATORS



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 15,2 15,4	15,5 15,7 15,9	16,0 16,2 16,4	16,7 16,9 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, m³	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

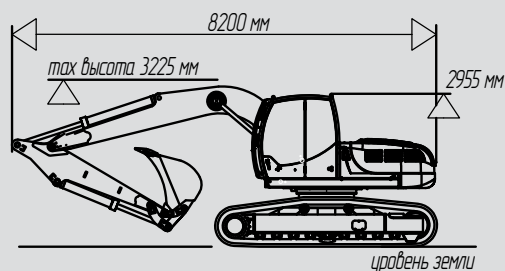
* peat excavator

** 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, m³	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	

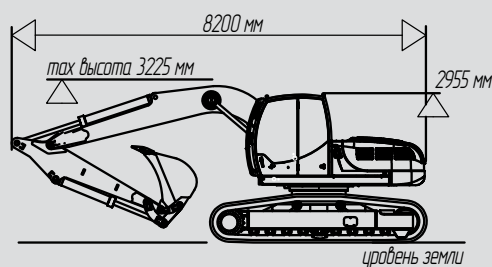
* standard stick

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

 key advantages

E200C

CRAWLER EXCAVATORS



SPECIFICATIONS

E200C

Track shoe width, mm	600	800	1000	1200
Operating weight, t (stick 2,530 / 3,000 / 3,600 mm)	19,3 19,5 19,7	19,8 20,0 20,2	20,3 20,5 20,7	21 21,2 21,4

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	0,46 0,35 0,29 0,25

WORKING RANGES & PARAMETERS


Cycle, sec	13,5		
Stick, mm	2530*	3000	3600
Bucket capacity, m ³	1,1/1,25**	0,8/1	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

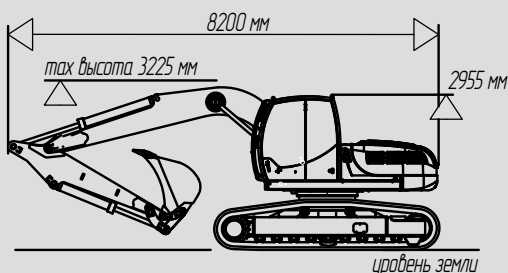
Overall length, mm	8180	8190	8190	
Overall width, mm	2800	3000	3200	3600
Overall height of boom, mm	2980	2960	3170	
Overall height of cab, mm	2955	2955	2955	

* standard stick

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

 key advantages

E200NC



SPECIFICATIONS

E200NC

Track shoe width, mm	600
Operating weight, t (stick 2,530 / 3,000 mm)	18,5 or 19,5*** / 19,7***

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 / 5,5****
Ground pressure, kg/cm ²	0,44 or 0,46 / 0,47

WORKING RANGES & PARAMETERS

Cycle, sec	13,5	
Stick, mm	2530*	3000
Bucket capacity, m ³	0,36...0,8/1,0**	0,65
Max digging depth, mm	6190	6660
Max digging reach, mm	9200	9650
Max dumping height, mm	5970	6250

DIMENSIONS


Overall length, mm	8180	8190
Overall width, mm	2500	2500
Overall height of boom, mm	2980	2960
Overall height of cab, mm	2955	2955

* standard stick

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

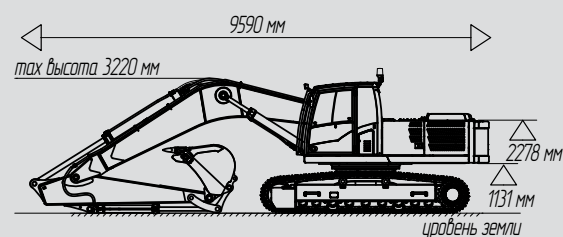
*** machine with heavier counterweight, higher hood system and larger radiators' unit

**** machine with track drive PMP 3000

 key advantages

TX220 NLC/LC

CRAWLER EXCAVATORS

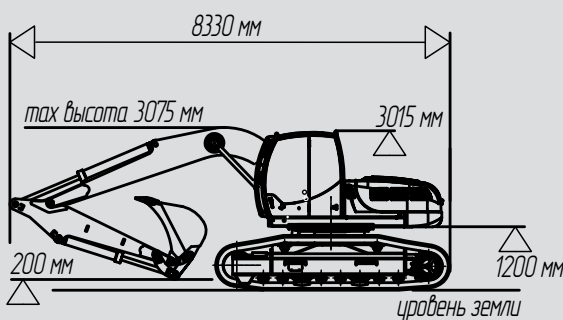


SPECIFICATIONS	TX220 NLC			TX220 LC		
Track shoe width, mm	500	600	600	750	900	1000
Operating weight, t (stick 2,530 / 3,000 / 3,600 mm)	23			23,1		
ENGINE						
Model	YaMZ 536					
Power, kW (hp)	147 (200)					
UNDERCARRIAGE						
Ground clearance, mm	500					
Max travel speed, kmph	5,5					
Ground pressure, kg/cm²	0,57	0,48	0,48	0,38	0,32	0,29
WORKING RANGES & PARAMETERS						
Cycle, sec	12					
Stick, mm	2000	2400	2920*		3500	
Bucket capacity, m³	0,65	0,9	1,0		1,25	
Max digging depth, mm	5820	6210	6730		7320	
Max digging reach, mm	9130	9570	10010		10570	
Max dumping height, mm	6500	6900	7010		7320	
DIMENSIONS						
Overall length, mm	9750	9570	9590		9750	
Overall width, mm	from 2,500 to 2,600			from 3,000 to 3,400		
Overall height of cab, mm	3030					
Overall height of boom, mm	3080	3080	3220		3380	

* standard stick

key advantages

E220C



SPECIFICATIONS		E220C	
Track shoe width, mm	600	800	1000
Operating weight, t (stick 2,530 / 3,000 / 3,600 mm)	21	21,5	22
	21,2	21,7	22,2
	21,4	21,9	22,4
ENGINE			
Model	CUMMINS KAMA QSB 4.5		
Power, kW (hp)	120 (163)		
UNDERCARRIAGE			
Ground clearance, mm	520		
Max travel speed, kmph	3,4		
Ground pressure, kg/cm²	0,49	0,37	0,31
WORKING RANGES & PARAMETERS			
Cycle, sec	13,5		
Stick, mm	2530*	3000	3600
Bucket capacity, m³	1,25	1	0,65/0,8/1,0**
Max digging depth, mm	6080	6550	7150
Max digging reach, mm	9200	9650	10230
Max dumping height, mm	6080	6360	6710
DIMENSIONS			
Overall length, mm	8290	8310	7310
Overall width, mm	3000	3200	3400
Overall height of boom, mm	2965	3110	2635
Overall height of cab, mm	3015	3015	3015

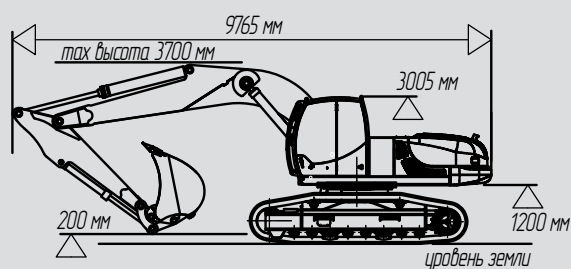
* standard stick

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

key advantages

E240C

CRAWLER EXCAVATORS



SPECIFICATIONS

E240C

Track shoe width, mm	600	800	1000
Operating weight, t (stick 2,700 / 3,400 / 4,000 mm)	24,8 25 25,2	25,3 25,5 25,7	25,8 26 26,2

ENGINE

Model	Deutz BF 6M 2012 C EMR2 (Germany)
Power, kW (hp)	131 (176) at 2,100 rpm

UNDERCARRIAGE

Ground clearance, mm	520
Max travel speed, kmph	4,5
Ground pressure, kg/cm ²	0,57 0,43 0,35

WORKING RANGES & PARAMETERS

Cycle, sec	13,5
Stick, mm	2700* 3400 4000
Bucket capacity, m ³	1,25 1 0,8
Max digging depth, mm	6870 7570 8170
Max digging reach, mm	10245 10920 11520
Max dumping height, mm	7660 8220 8690

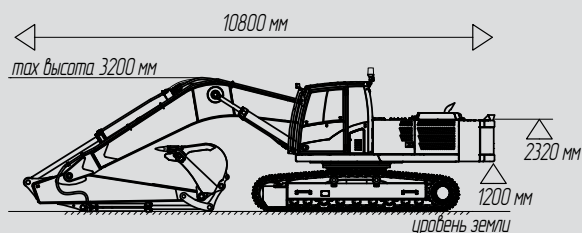
DIMENSIONS

Overall length, mm	9800	9660	9380
Overall width, mm	3000	3200	3400
Overall height of boom, mm	3540	3925	4330
Overall height of cab, mm	3005	3005	3005

* standard stick

key advantages

TX270



SPECIFICATIONS

TX270

Track shoe width, mm	600
Operating weight, t	29,9

ENGINE

Model	YaMZ 536
Power, kW (hp)	147 (200)

UNDERCARRIAGE

Ground clearance, mm	500
Max travel speed, kmph	5,2
Ground pressure, kg/cm ²	0,6

WORKING RANGES & PARAMETERS

Cycle, sec	14
Stick, mm	3000
Bucket capacity, m ³	1,22
Max digging depth, mm	7100
Max digging reach, mm	10500
Max dumping height, mm	7250

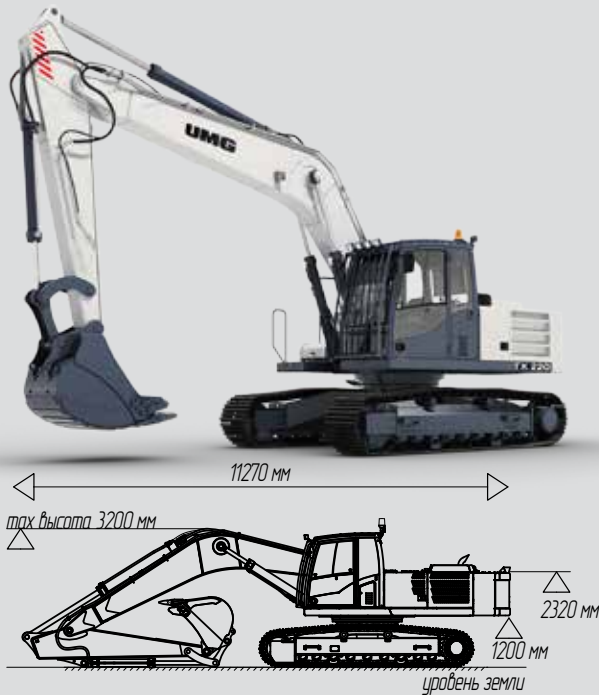
DIMENSIONS

Overall length, mm	10800
Overall width, mm	3200
Overall height of boom, mm	3200
Overall height of cab, mm	3090

key advantages

TX300

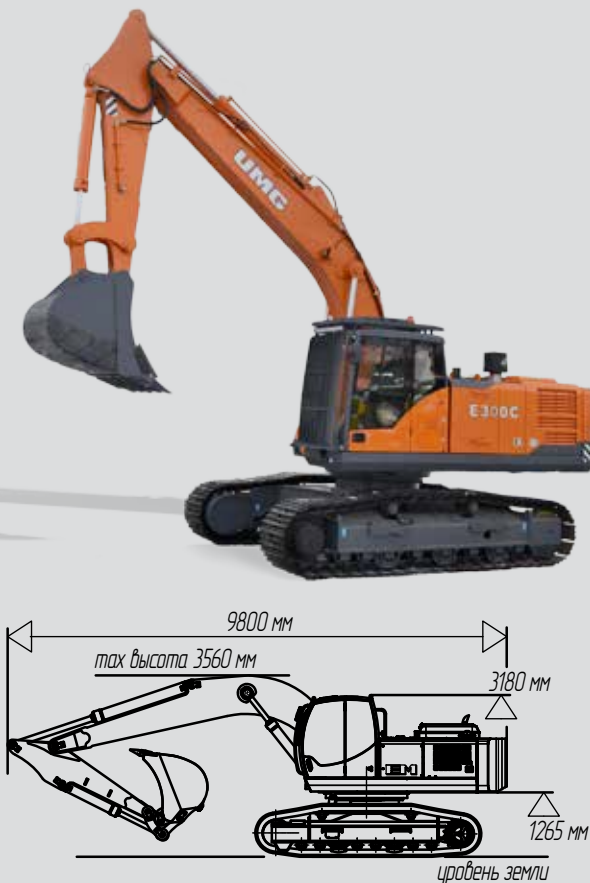
CRAWLER EXCAVATORS



SPECIFICATIONS		TX300
Track shoe width, mm		600
Operating weight, t		32,85
ENGINE		
Model		YaMZ 536
Power, kW (hp)		190 (258,4)
UNDERCARRIAGE		
Ground clearance, mm		500
Max travel speed, kmph		5,2
Ground pressure, kg/cm ²		0,65
WORKING RANGES & PARAMETERS		
Cycle, sec		16
Stick, mm		3200
Bucket capacity, m ³		1,45
Max digging depth, mm		7640
Max digging reach, mm		11290
Max dumping height, mm		7400
DIMENSIONS		
Overall length, mm		11270
Overall width, mm		3200
Overall height of boom, mm		3200
Overall height of cab, mm		3090

key advantages

E300C



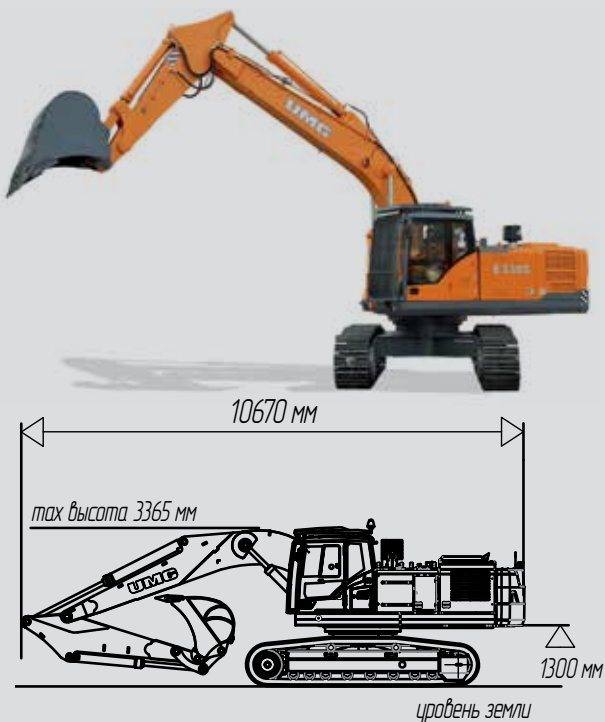
SPECIFICATIONS		E300C		
Track shoe width, mm	600		800	1000
Operating weight, t (stick 2,530 / 4,000 mm)	28,2 / 28,5		28,8 / 29,1	29,4 / 29,7
ENGINE				
Model	Deutz BF 6M 1013 FC			
Power, kW (hp)	178 (242) at 1,800 rpm 183 (245) at 2,000 rpm			
UNDERCARRIAGE				
Ground clearance, mm	520			
Max travel speed, kmph	5,2			
Ground pressure, kg/cm ²	0,65	0,5		0,41
WORKING RANGES & PARAMETERS				
Cycle, sec	15			
Stick, mm	2530*			4000
Bucket capacity, m ³	1,25 / 1,5			1,0
Max digging depth, mm	6645			8110
Max digging reach, mm	10035			11470
Max dumping height, mm	7460			8550
DIMENSIONS				
Overall length, mm	9790			9620
Overall width, mm	3000	3200		3400
Overall height of boom, mm	3400			4130
Overall height of cab, mm	3180			3180

* standard stick

key advantages

E330C

CRAWLER EXCAVATORS



SPECIFICATIONS

E330C

Track shoe width, mm	600	800	1000
Operating weight, t (stick 2,910 / 3,250 / 4,000 mm)	32,5 / 32,7 / 32,9	33,3 / 33,5 / 33,7	34,1 / 34,3 / 34,5

ENGINE

Model	CUMMINS KAMA QSL 8.9		
Power, kW (hp)	214 (290) 264 (361)		
	7,5		

UNDERCARRIAGE

Ground clearance, mm	528		
Max travel speed, kmph	4,1		
Ground pressure, kg/cm ²	0,67	0,51	0,42

WORKING RANGES & PARAMETERS

Cycle, sec	18		
Stick, mm	2910*	3250	4000
Bucket capacity, m ³	1,5...1,8**	1,25	1,1
Max digging depth, mm	7185	7525	8275
Max digging reach, mm	10550	10890	11640
Max dumping height, mm	7720	7945	8810

DIMENSIONS

Overall length, mm	10610	10620	н.д.
Overall width, mm	3190	3390	3590
Overall height of boom, mm	3240	3240	н.д.
Overall height of cab, mm	3375	3375	3375

* standard stick

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

key advantages

E400C



SPECIFICATIONS

E400C

Track shoe width, mm	600	800	1000
Operating weight, t (stick 2,910 / 3,250 / 4,000 mm)	38,0 38,2 38,4	38,8 39,0 39,2	39,6 39,8 40,0

ENGINE

Model	CUMMINS KAMA QSL 8.9		
Power, kW (hp)	264 (361) at 2,100 rpm		

UNDERCARRIAGE

Ground clearance, mm	528		
Max travel speed, kmph	4,1		
Ground pressure, kg/cm ²	0,78	0,6	0,49

WORKING RANGES & PARAMETERS

Cycle, sec	18		
Stick, mm	2910	3250	4000
Bucket capacity, m ³	1,81...2,05 / 2,2*	1,81	1,5
Max digging depth, mm	7300	н.д.	н.д.
Max digging reach, mm	10760	н.д.	н.д.
Max dumping height, mm	7950	н.д.	н.д.

DIMENSIONS

Overall length, mm	10625	н.д.	н.д.
Overall width, mm	3190	3390	3590
Overall height of boom, mm	3340	н.д.	н.д.
Overall height of cab, mm	3375	3375	3375

* standard stick

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

key advantages

ATTACHMENTS



Vibratory Hammer



Vibratory Rammer



Hydraulic Hammer



Loading Grab



Crusher Bucket



Digging Grab



Rotary Grinder

ATTACHMENTS

Versatility of our crawler excavators is ensured by the rich functionality built in the standard configuration, and a wide range of attachments for various tasks. Traditionally, all excavators get equipped with a bucket. We offer a wide choice of buckets for different operating requirements: trenching buckets, grading buckets, loader buckets, drainage buckets and many more. Practically all models can be equipped with additional attachments that will tailor UMG machines to the specific requirements of a customer's working needs: hydraulic hammers, rippers, clamshells, shears, hydraulic drills, mulcher and harvester

heads etc. UMG attachments enhance the productivity and utility of UMG machines providing system solutions for any job application: construction, peat mining, digging drains and cleaning channels, land clearing, log loading/unloading, soil ripping and loosening, vegetation clearing, soil aeration etc.

The standard configuration includes the minimum kit of hydraulic components and controls to ensure connection of attachments and heads. For easy and quick interchanging, the excavators can be equipped with mechanical quick couplers. Hydraulic units are also available as an option.

SERVICE & MAINTENANCE



EASY MAINTENANCE

All service checks are accessible at ground level, the hood systems provide full access to make daily checks easy and quick, ensuring less idle time of the machine and enhanced productivity.





MADE IN RUSSIA

15-1 Rochdelskaya str., Moscow, Russia
8 (800) 250-49-55 (toll-free in Russia)
www.umg-sdm.com



Materials and specifications are subject to change without notice.
Standard & optional equipment configurations are subject to change.
Product images are for illustrative purposes only and may differ from the actual product.