

TRUCK-MOUNTED EXCAVATOR KAMAZ-43118 (EURO-5) E195ARH



Excavator E195ARH mounted on truck KAMAZ-43118 (Euro-5) features:

- The tilt-rotator coupling is designed to make buckets and other attachments more versatile. Any task that requires reach and 360-degree angled maneuverability can utilize the tiltrotator which can get fixed with up to 40° tilt. This attachment has an integrated quick-attach that turns the basic machine into a versatile piece of equipment to tackle any job even in hard-to-reach places. Changing of optional attachments takes only a few minutes while the operator does not need to get out of the cab.
- Off-road base chassis KAMAZ-43118.
- Hydraulics from Bosch Rexroth (Germany): directional valve, pumping unit.
- The engine with water cooler, Common Rail direct fuel injection, turbocharger, Tier2 compliant. Cent flex coupling used to connect the engine with the pumping unit
- LUDV hydraulic drive system by Bosch Rexroth which ensures unlimited number of overlappings in one cycle, operation precision & accuracy, minimum loss of power. Smart flow sharing with priority to slewing system ensures optimum performance
- The operator's cab equipped with air heating/cooling system, wide door with an integrated venting quarter glass, large area of glazing that ensures full visibility of the work zone in any direction; safety and low noise level make the operator's performance effective and efficient during the whole shift.
- The hood system which ensures full access to all assemblies and components that make maintenance easy & quick. This excavator stands out for high reliability, extended maintenance intervals and fuel efficiency.

Maximum digging depth	5635
Chassis	KAMAZ 43118-50
Excavator engine power, kW (hp)	67 (90)
Maximum digging depth	5,00 / 5,64*
Maximum digging reach, m	8,5 / 9,11*
Operating weight, t	19,6
Bucket capacity (SAE), m ³	0,80 / 0,65*
Engine manufacturer	Deutz
Engine model	BF 4M 2012
Engine power, kW (hp)	221 (300,5)
Voltage, V	12
Engine displacement	4038
Emission class	Tier 2 (Stage II)

Excavator E195ARH is a multi-purpose earth-moving machine designed for pit digging, trenching, quarrying (I...IV soils); loading & unloading of soil, loose materials, loosened rock or frozen soils; and other jobs including grading in the spheres of industrial, urban, agricultural, transport infrastructure construction or reclamation operations.

The machine is adapted for mounting of various types of attachments (hydraulic breaker, hydraulic drill, hook block, loading grab, digging clamshell bucket, log grapple, special grabs for different materials).

Specifications	UoM	E195ARH	
Operating weight	t	19.6	
Base chassis		KAMAZ 43118-50	
Max travel speed	kmph	90	
ENGINE			
Excavator engine model		BF 4M 2012	
Engine power	kW (hp)	221(300.5)	
Excavator engine power	kW (hp)	67 (90) at 2,000 rpm	
Engine speed	rpm	2,000	
Fuel consumption in excavation regime	L/h	12	
TURNTABLE			
Cycle	sec	12	
Hydraulics		Bosch Rexroth	
Hydraulic system		LUDV from Bosch Rexroth	
Max pump unit displacement	L/min	260	
Max operating pressure	MPa	32	
Overlapping operations per cycle		All	
WORKING RANGES & FORCES			
Type of work equipment		Mono Block	
Bucket capacity (SAE)	m ³	0.8 / 0.65*	
Max. digging depth	mm	5,000 / 5,635*	
Max. digging reach at ground level	mm	8,080 / 8,785*	
Max. digging reach	mm	8,500 / 9,110*	
Max. digging height	mm	8,660 / 9,250*	
Max. dumping height	mm	6,100 / 5,440*	
Performance when excavating soils of I...III categories	m ³ /h	190	
Max. digging force	kN	bucket	85.8
	kN	arm	75.35
Cutting force:	kN	bucket	8
	kN	arm	8.2
DIMENSIONS			
- length	mm	8,550 / 8,550*	
- width	mm	2,550 / 2,550*	
- height	mm	3,990 / 3,990*	