

Hydraulic Excavators XE360U



Rated Power: 338 hp
Operating Weight: 87,303 lb
Bucket Capacity: 2.2 yd³

XCMG North America Corporation
5145 Schirlls Street, Las Vegas, NV 89118
Email: info@xcmgusa.com
Phone: (Las Vegas) 725-605-2777
(Houston) 346-409-2855
Web: www.xcmg-usa.com





Technical Specifications

Engine

Designed to deliver superior performance and fuel efficiency, the Cummins Stage V diesel engine fully meets the emissions regulations. To optimize machine performance, the engine uses high-pressure fuel injectors, an air-to-air inter-cooler, and electronic engine controls. 4-cycle water-cooled, turbocharged, and Selective Catalytic Reduction (SCR) with a Diesel Particulate Filter (DPF).

Model	Cummins L9
No. of cylinders	6
Rated power at 1800 rpm	-
(SAE J1995)	338 hp at 1800 rpm
(SAE J1349)	—
(ISO 9249)	306 hp at 1800 rpm
Max. torque at 1400 rpm	1126 lb-ft
Idle (low - high)	700 - 1200 rpm
Piston displacement	2.4 gal
Bore x stroke	4.49 in x 5.69 in
Starter	24 V / 7.8 kW
Batteries - Alternator	2 x 12 V, 150 Ah - 24 V, 70 A
Air Filter	Donaldson's the latest PSD air filter and pre-filtered dust separator

Weight

	Shoe width (in.)	Operating weight (lb)	Ground pressure (psi)
Triple grouser	24"	85,098	10.1
	28"	85,979	8.7
	31"(Std)	87,302	7.7
Double grouser	24"	87,082	10.2
	31"	89,286	7.8

Hydraulic system

The XICS (XCMG intelligent Control System) is the brain of the excavator - minimizing fuel consumption and enabling the efficiency of the hydraulic system to be optimized for all working conditions. To harmonize the operation of the engine and the hydraulics, the XICS is connected to the engine's electronic control unit (ECU) via a data transfer link.

- The hydraulic system enables independent or combined operations – 2-speed travel offers either increased torque or high travel speed
- A cross-sensing pump system and an auto-deceleration system improve fuel efficiency
- 8 attachment modes, 3 power modes - flow and pressure control of auxiliary hydraulic circuits from control panel
- Computer-controlled pump flow control

> Pumps flow & system pressure

Main Pumps, type:	2 x variable displacement tandem axial piston pumps
Maximum flow at 1800 rpm	2 x 85.6 gal/min
Pilot pump, type:	Gear pump
Maximum flow at 1800 rpm	7.1 gal/min
Relief valve settings:	
Pressure up	4,978/5,405 psi
Travel	4,978 psi
Swing	3,840 psi
Pilot	569 psi

Undercarriage

Extremely robust construction throughout - made of high-quality, durable materials, with all welded structures designed to limit stresses.

- Lifetime lubricated track rollers, idlers and sprockets fitted with floating seals
- Track shoes made of induction-hardened alloy with triple grouser
- Heat-treated connecting pins
- Hydraulic track adjuster with shock-absorbing tension mechanism

> Number of rollers and track shoes per side

Upper rollers (standard shoe)	2
Lower rollers	9
Number of links & shoes per side	49
Link pitch	8.5"
Overall track length	16'7"

Cab

Optimal climate control is provided by the integrated air-conditioning and heating system. An automatically- controlled fan supplies the pressurized and filtered cab air, which is distributed throughout the cab from multiple vents. The fully adjustable heated air suspension operator's seat includes a seat belt. The operator can adjust the ergonomic seat and joystick console separately according to his preferences.

> Noise emission

Noise level LpA (ISO 6396)	76 dB(A)
Noise level LwA (ISO 6395)	104 dB(A)



Technical Specifications

Component weights

Item	Unit	XE360U	Remarks
Upper structure without front	lb	37,165	With counterweight
Lower structure assembly	lb	30,042	31" shoe
Front assembly	lb	14,334	Without cylinder
Counterweight	lb	15,212	standard counterweight
Boom	ft/lb	20'12"/6,424	Including bushing
Arm	ft/lb	10'6"/4,266	Including bushing
		9'6"/4,065	Including bushing
		8'9"/3,973	Including bushing

Drive

An independent, high-torque axial piston motor through a planetary reduction gearbox drives each track. Two levers with foot pedals guarantee smooth travel with counter-rotation on demand. The track frame protects the travel motors with hydraulically released multi-disc brakes and planetary gears.

> Speed & traction

Travel speed (low - high)	2-3.4 mph
Maximum traction	66,139 lbf
Maximum gradeability	35° / 70%

Buckets

Bucket Type	Capacity (yd³) SAE	Width(ft)		Weight (lb)	Boom 20'12"		
		With side cutters	W/o side cutters		Arm 10'6"	Arm 9'6"	Arm 8'9"
					Shoe 31"	Shoe 31"	Shoe 31"
GP	2.75	5'8"	5'5"	4,237	C	C	B
	2.49	5'1"	4'10"		B	A	A
HD	2.62	5'5"	5'2"	3,959	C	B	B
	2.22	4'5"	4'3"		A	A	A
SD	2.35	4'10"	4'8"	4,034	A	A	A
	2.49	5'1"	4'10"		B	A	A

Swing mechanism

The swing mechanism uses an axial piston motor, driving a 2-stage planetary reduction gear for maximum torque bathed in oil.

- Swing bearing: single-row, shear type ball bearing with induction hardened internal gear
- Internal gear and pinion immersed in lubricant

> Swing speed & torque

Maximum swing speed	9.9 rpm
Maximum swing torque	77,813 ft·lb

> Fluid capacities

Fuel tank	143 gal
Cooling system (radiator)	9 gal
Urea (DEF) tank	17 gal
Hydraulic oil tank	85 gal
Engine oil	8 gal
Swing drive	3.3 gal
Travel device	2 × 2.6 gal

GP: General purpose; HD: Heavy duty; SD: Severe duty;

A: Suitable for materials with a density from 1800-2100 kg/m³ (112.37 to 131.1 lb/ft³)

B: Suitable for materials with a density from from 1500-1800 kg/m³ (93.6 to 112.37 lb/ft³)

C: Suitable for materials with a density less than 1500 kg/m³ (93.64 lb/ft³)

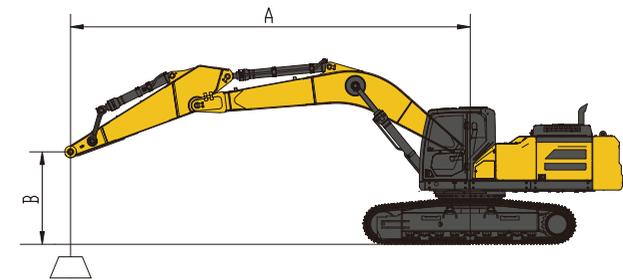
Based on ISO 10567 and SAE J296, arm length without quick-coupler. For reference only.

Lifting Capacities

XE360U

Model: Rated lift capacity (lb) of XE360U standard track width: 11'1". W/o bucket

Lph(ft)	Lpr (ft)	A		9.8 ft.		14.8 ft.		19.7 ft.		24.6 ft.		27.5 ft.		Max. reach	
		B													A(ft)
One-piece boom 20'12" Boom 10'6" Arm 31" shoe Counterweight 15,212 lb	24.6							18,494	15,816			15,442	14,659	25.6	
	19.7							18,776	15,675			14,891	12,234	28.2	
	14.8			28,345	28,345	22,897	21,077	20,144	18,098	18,792	11,324	14,886	12,876	30.2	
	9.8			36,108	29,464	26,487	19,723	22,004	14,402	18,652	11,037	15,327	10,200	30.8	
	4.9			41,451	27,190	29,690	18,602	23,800	13,787	18,299	10,719	16,251	9,972	30.8	
	Ground			43,315	26,336	34,580	17,852	23,333	13,291	18,046	10,492	17,441	10,165	30.2	
	-4.9		28,562	28,562	42,584	26,241	31,798	17,574	23,208	13,182			18,810	10,904	28.5
	-9.8		46,219	46,219	39,539	26,560	30,081	17,715	23,220	13,291			21,286	12,498	25.9
	-15		44,510	44,510	33,316	27,415	25,052	18,355					21,216	16,084	21.7



 : Over front
 : Over side or 360°

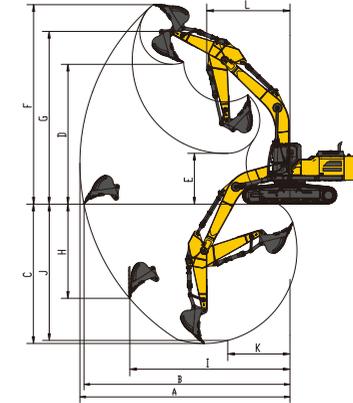
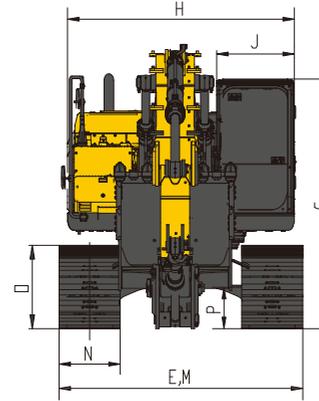
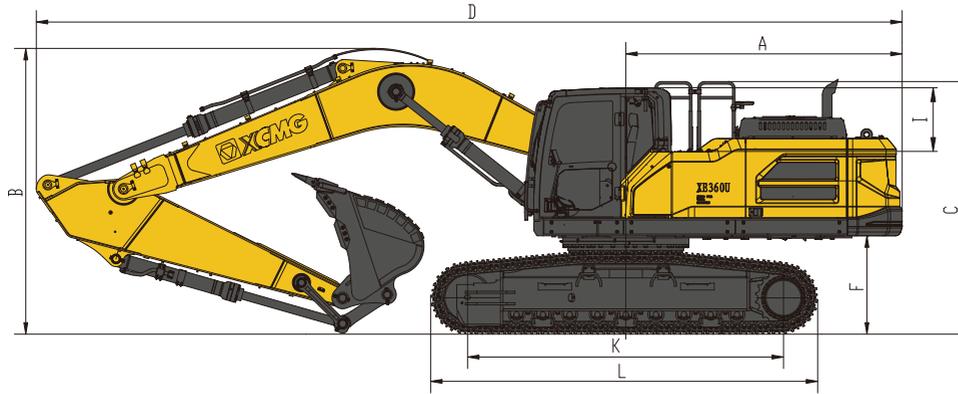
Model: Rated lift capacity (lb) of XE360U standard track width: 11'1". W/o bucket

Lph(ft)	Lpr (ft)	A		9.8 ft.		14.8 ft.		19.7 ft.		24.6 ft.		27.5 ft.		Max. reach		
		B													A(ft)	
One-piece boom 20'12" Boom 8'9" Arm 31" shoe Counterweight 15,212 lb	24.6													19,775	16,801	23.3
	19.7							18,316	18,316	20,426	15,176			19,725	13,549	26.2
	14.8			9,987	31,182	24,833	20,459	21,488	14,709					19,971	11,856	28.2
	9.8					28,173	19,237	23,089	14,070					18,772	11,008	29.2
	4.9					30,842	18,236	23,616	13,538					18,459	10,736	29.2
	Ground				43,318	26,301	31,982	17,701	23,188	13,166				19,041	10,994	28.2
	-4.9		31,773	31,773	41,407	26,316	31,429	17,571						20,906	11,922	26.6
	-9.8		48,746	48,746	37,275	26,837	28,677	17,831						22,756	14,103	23.6
	-15		37,582	37,582	29,308	27,798								22,119	19,601	19

1. The lifting capacity ratings are based on ISO10567.
2. * The maximum lifting capacity is limited by hydraulic rather than tipping load.
3. With the machine standing on level and firm ground, the lifting capacity does not exceed 87% of the hydraulic capacity or 75% of the tipping load.
4. The operator should be familiar with the machinery operation and maintenance manuals. Local regulations concerning the operation safety of machinery must be followed at all times.
5. The lift diagrams only cover machines that are originally built by the XCMG: without lifting chains and any other lifting equipment.
6. When the excavator is used to lift or handle materials, it must comply with local regulations.



Technical Specifications



Dimensions

XE360U		ft		
Boom length - ft		20'12"		
Arm length - ft		10'6"	9'6"	8'9"
Bucket capacity - yd ³		2.22	2.49	2.49
A	Tail swing radius	11'10"	11'10"	11'10"
B	Shipping height (boom)	12'3"	12'2"	12'2"
C	Shipping height (guardrail)	10'10"	10'10"	10'10"
D	Shipping length	37'2"	37'6"	37'6"
E	Shipping width	11'1"	11'1"	11'1"
F	Counterweight clearance	4'2"	4'2"	4'2"
G	Height over cab	11'1"	11'1"	11'1"
H	Upper structure width	9'9"	9'9"	9'9"
I	Cab height above house	33"	33"	33"
J	Cab width	3'4"	3'4"	3'4"
K	Tumbler distance	13'7"	13'7"	13'7"
L	Track length	16'7"	16'7"	16'7"
M	Undercarriage width	11'1"	11'1"	11'1"
N	Shoe width std.	31"	31"	31"
O	Track height	3'7"	3'7"	3'7"
P	Ground clearance	21"	21"	21"

Working range

XE360U		ft		
Boom length - ft		20'12"		
Arm length - ft		10'6"	9'6"	8'9"
Bucket capacity - yd ³		2.22	2.49	2.49
A	Max. digging reach	36'11"	35'12"	34'11"
B	Max. digging reach (ground)	36'2"	35'3"	34'2"
C	Max. digging depth	24'4"	23'5"	22'7"
D	Max. loading height	24'5"	23'11"	22'11"
E	Min. loading height	8'11"	9'9"	10'8"
F	Max. digging height	34'11"	34'6"	33'1"
G	Max. bucket pin height	30'2"	29'9"	28'8"
H	Max. vertical wall depth	16'6"	15'2"	13'10"
I	Max. radius vertical	28'1"	27'11"	27'9"
J	Max. digging depth (8' level)	23'10"	22'11"	22'
K	Min. radius 8' line	10'10"	10'11"	10'11"
L	Min. swing radius	14'7"	14'12"	14'12"

Digging forces (ISO)

XE360U		ft		
Boom length - ft		20'12"		
Arm length - ft		10'6"	9'6"	8'9"
Bucket capacity - yd ³		2.22	2.49	2.49
Bucket (Normal/Press. Up) - lbf		55,977/60,249	55,977/60,249	55,977/60,249
Arm (Normal/Press. Up) - lbf		38,667/41,814	42,939/46,311	47,435/51,032