

DEVELON

DX500_{HD} DX560_{HD}

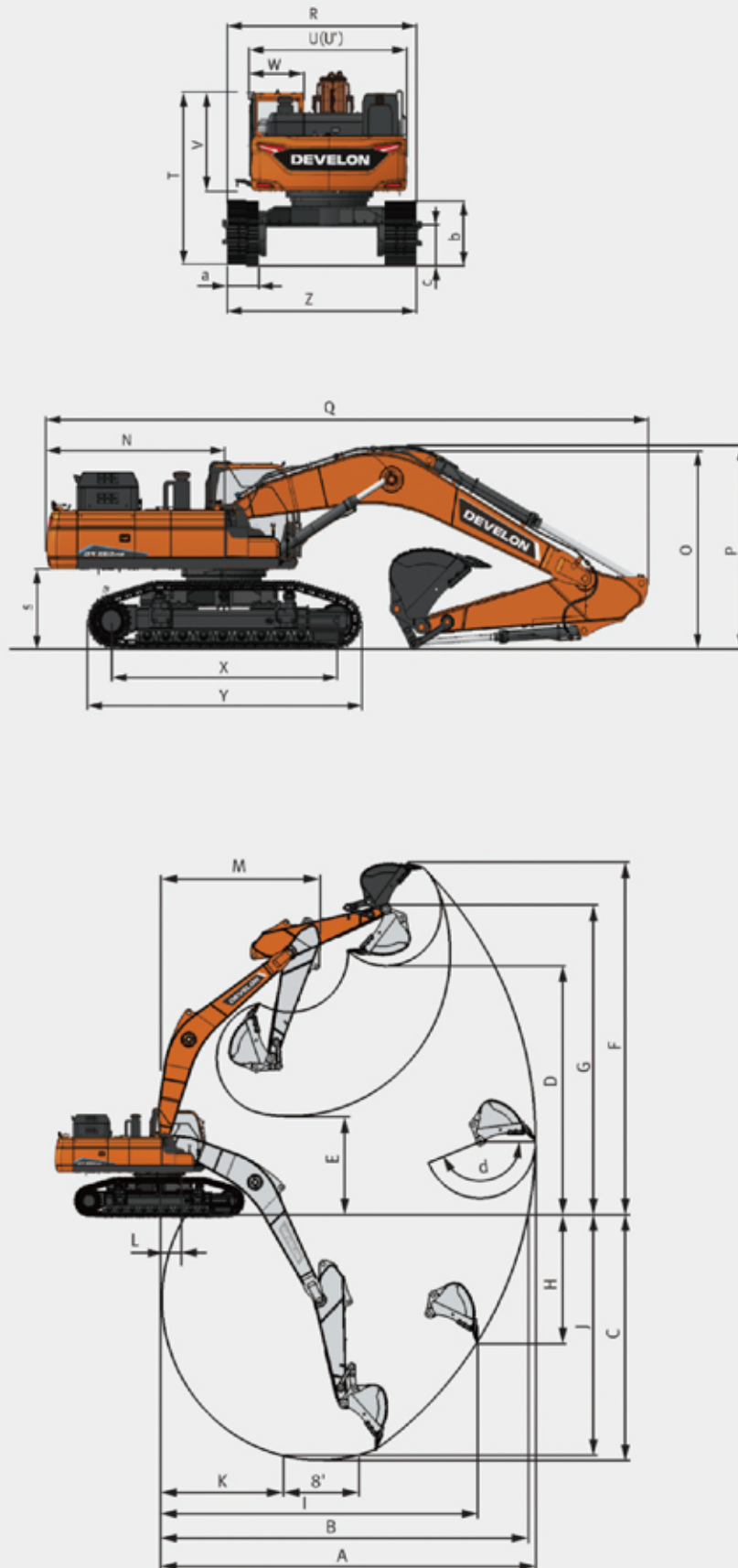
Bucket:3.6m³ | Rated power:294kW/1,800rpm | Engine:Scania DC13





Technical Parameter

Model			DX500HD		DX500HD DX560HD	DX500HD DX560HD
Big arm		(m)	7.1		6.3	6.3
Forearm		(m)	3.35	2.9	2.9	2.55/Crushing arm
Bucket		(m ³)	2.4	2.7	3.2/3.6	3.2/3.6/ -
Maximum excavation distance	A	(mm)	12,125	11,720	11,069	10,719
Maximum excavation distance on the ground	B	(mm)	11,865	11,455	10,782	10,422
Maximum excavation depth	C	(mm)	7,790	7,340	6,991	6,654
Maximum loading height	D	(mm)	7,865	7,725	6,532	6,332
Minimum loading height	E	(mm)	3,130	3,580	2,695	3,126
Maximum excavation height	F	(mm)	11,050	10,920	9,926	9,673
Maximum height of bucket shaft	G	(mm)	9,690	9,550	8,620	8,420
Maximum vertical arm excavation depth	H	(mm)	4,370	4,045	5,082	4,656
Maximum vertical radius	I	(mm)	9,970	9,710	8,005	7,970
Maximum excavation depth on 8-foot flat ground	J	(mm)	7,635	7,165	6,910	6,541
Minimum excavation radius on 8-foot flat ground	K	(mm)	3,895	3,885	3,550	3,522
Minimum excavation distance	L	(mm)	653	1,181	110	395
Minimum turning radius	M	(mm)	5,210	5,235	4,715	4,854
Bucket extension angle	d	(°)	189.1	181.2	186.2	182
Tail turning radius	N	(mm)	3,800	3,800	3,800	3,800
Transportation height (up to the top of the boom)	O	(mm)	3,610	3,815	4,140	4,272
Transportation height (up to the top of the hose)	P	(mm)	3,705	3,955	4,180	4,350
Transportation length	Q	(mm)	12,110	12,320	11,530	11,665
Transportation width	R	(mm)	3,690	3,690	3,690	3,690
Ground clearance of counterweight	S	(mm)	1,425	1,425	1,425	1,425
Total height (up to the top of the cab)	T	(mm)	3,370	3,370	3,370	3,370
Turntable width	U	(mm)	2,990	2,990	2,990	2,990
Turntable width(CAT WALK)	U'	(mm)	3,295	3,295	3,295	3,295
Cabin height (above turntable)	V	(mm)	850	850	850	850
Full width of the cab	W	(mm)	1,010	1,010	1,010	1,010
Center distance between guide wheel and drive wheel	X	(mm)	4,475	4,475	4,475	4,475
Track length	Y	(mm)	5,505	5,505	5,505	5,505
Total width (contraction track/expansion track)	Z	(mm)	3,490/2,990	3,490/2,990	3,490/2,990	3,490/2,990
Track width	a	(mm)	600	600	600	600
Track Height	b	(mm)	1,190	1,190	1,190	1,190
Minimum ground clearance	c	(mm)	725	725	725	725



Main specifications

Engine	
Model	DC13
Type	Inline
Inhale	Turbocharging
Number of cylinders	6
Cylinder diameter	130mm
Piston stroke	160mm
Rated power	294kW/1,800rpm
Rotary system	
Drive mode	Hydraulic Drive
Deceleration mechanism	Planetary gear reduction
Rotary operation brake	Wet multi disc brake
Rotation speed	9.0rpm
Drive device and brake	
Steering control	Integrated control of foot pedal and operating lever
Drive mode	Hydraulic Drive
Walking motor	Axial piston hydraulic motor
Walking speed (high/low)	5.5/3.1km/hr
Operating the brake	Hydraulic brake
Parking brake	Wet multi disc brake
Walking section	
Central framework	X-frame
Track frame	Box type cross-sectional structure
Track seal	Self-lubricating track
Track adjustment (high/low)	Butter tightens tightly
Number of track shoes	53 pieces per side
Supporting wheel	3 on each side
Supporting wheel	9 on each side

Operating weight

The approximate working weight includes a 6300mm HD boom, a 2.900mm HD stick, SAE funnel, operator, lubricant, coolant, filled fuel tank, and standard configuration.

DX500HD	
Track shoes	600mm
Working weight	50,500kg
Ground voltage ratio	0.88kg/cm ²
Bucket	3.2m ³
Breaking hammer	205

Hydraulic system

Hydraulic motor	
Walking motor	Axial piston type x2
Rotary motor	Axial piston type x2
Main pump	
Type	Variable displacement piston pump
Maximum flow rate	2×390L/min
Safety valve setting value	
Hydraulic circuit of working device	330kg/cm ² (32.3Mpa)
Walking hydraulic circuit	330kg/cm ² (32.3Mpa)
Rotary hydraulic circuit	300kg/cm ² (29.4Mpa)
Boosting hydraulic circuit	350kg/cm ² (34.3Mpa)
Cylinder	
Boom	2-170×115×1,650mm
Stick	1-190×130×1,980mm
Bucket	1-170×115×1,341mm
Maximum digging force (ISO)	
Bucket	25.7/24.4ton(252/239kN)
Stick	23.5/24.9ton(230/244kN)
Fuel tank capacity	
Fuel tank	626L
Hydraulic oil tank	390L
Coolant/lubricant capacity (replacement)	
Radiator	52.8L
Engine	45L
Walking deceleration gear oil	2×9L
Rotary reducer	2×5L

DX560HD

Track shoes	600mm
Working weight	53,200kg
Ground voltage ratio	0.92kg/cm ²
Bucket	3.6m ³
Breaking hammer	210