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XE80E

CRAWLER EXCAVATOR



Operating weight 9500kg

Bucket capacity 0.35m³

Rated power 54.6kW



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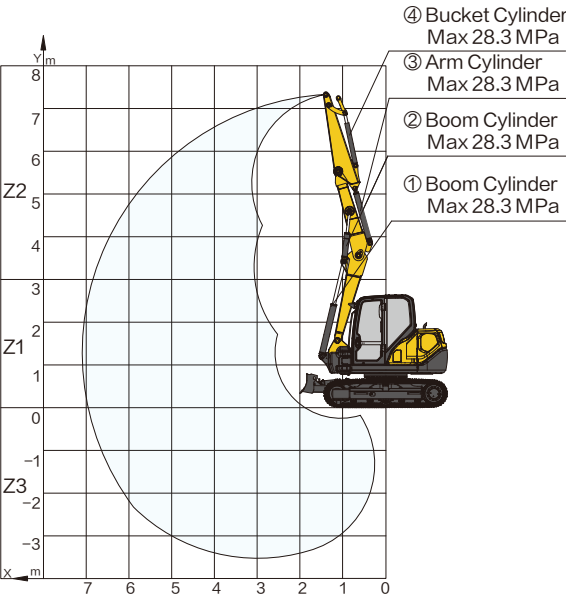
Applications : Municipal, road construction, forestry operations, earthwork transportation.

Features : Adopting vehicle-level NVH optimization, main valve flow compensation, bulldozer floating and other technologies, it has the characteristics of high auxiliary flow, fast grading efficiency and low noise.



Never attempt to lift or hold any load in excess of the rated lifting capacity at the specified lifting radius and height. The lifting point is located on the lifting eye of the arm (Bucket weight is not included), any additional attachment such as bucket should be deducted from the lifting weight. When determining the net lifting weight allowed for the machine, the weight of the slings and any auxiliary lifting devices must be deducted from the rated lifting capacity. Lifting capacity is based on the machine standing on firm and level ground. The operator should consider working conditions such as soft or uneven ground. Before operating the machine, the operator should familiarize himself with the safety procedures in the relevant manual.

 		 kg										Dozer Blade up				
 In travel direction				 Against travel direction						 Right angle to travel direction						
LD	Y \ X	3.0m			4.0m			5.0m			6.0m			MAX		
																m
1.82m	Z2	*2400	*2400		2391	1761		1626	1190		1271	936		1099	802	6.50
	Z1	3277	2252		2182	1725		1471	1043		1160	830		966	695	7.10
	Z3	*1828	*1828		*1475	1434		*1185	1068		1165	834		*1022	791	6.30



Note 1 The lifting capacities in the table refer to the case where no external thrust intervention is included.
Note 2 Lifting capacities marked with an asterisk (*) in the table are limited by hydraulic capacity and should not exceed 75% of the minimum tipping load or 87% of the hydraulic capacity.
Note 3 The least stable position is on the side of the excavator.
Note 4 The lifting capacity table applies only to machines originally built and normally assembled by the manufacturer.
Note 5 The machine is rated for an operating weight of 9500 kg (20943 lb) , which includes 0.45 m (1.48 ft) steel tracks, a 3.4 m (11.1 ft) boom, a 1.82 m (5.97 ft) arm, a 1200 kg (2646 lb) counterweight, all working fluids, and a 75 kg (165 lb) operator, exclusive of the bucket.
Note 6 Lifting capacity shall be in accordance with ISO 10567:2007.
Note 7 For all configurations of track specifications, the lifting capacity is kept within ± 5%.

Item contents	Unit	Parameters
Working range		
L1 Maximum reach	mm	7890
L2 Maximum reach at GRP	mm	7710
L3 Maximum digging height	mm	8325
L4 Maximum unloading height	mm	6440
L5 Minimum unloading height	mm	3726
L6 8 ft. level floor digging depth	mm	4254
L7 Maximum vertical digging depth	mm	3300
L8 Maximum digging depth	mm	3945
L9 Minimum swing radius	mm	3095
L10 Maximum lifting height of dozer blade	mm	482
L11 Max. cutting depth of dozer blade	mm	307
Boom deflection angle (left)	-	62°
Boom deflection angle (right)	-	50°

Item contents	Unit	Parameters
Operating weight	kg	9500
Engine		
Engine brand/model	-	Kubota/V3307
Rated power/rpm	kW/rpm	54.6/2200
Electric injection	-	√
4-stroke	-	√
Water-cooled	-	√
Turbocharged	-	√
Air-to-Air intercooling	-	√
Stroke	mm	120
Cylinder bore	mm	94
Number of cylinders	-	4
Maximum torque/rpm	N·m/rpm	265/1500
Displacement	L	3.3

Oil capacity		
Fuel tank capacity	L	130
Hydraulic oil tank capacity	L	130

Track		
Standard track shoe width	mm	450
Number of track shoes (per side)	-	40
Number of track roller (per side)	-	5
Number of track carrier roller (per side)	-	1

Cab standard		
ISO 10262: 1998 (OPG)	-	√
ISO 12117-2: 2008 (ROPS)	-	√

Item contents	Unit	Parameters
Dimensions		
A Overall height	mm	3220
B Overall length	mm	6220
C Overall width	mm	2300
D Upper structure width	mm	2250
E Chassis width	mm	2300
F Track length	mm	2900
G Track height	mm	698
H Standard track shoe width	mm	450
I Track wheelbase	mm	2272
J Track gauge	mm	1850
K Counterweight ground clearance	mm	818.5
L Minimum ground clearance	mm	386.5
M Tail Swing Radius	mm	1545
N Dozer blade height	mm	495
O Dozer blade width	mm	2300
P Hood height	mm	1848

Item contents	Unit	Parameters
Hydraulic system		
Main pump	-	One variable pump
Maximum flow rate of main system	L/min	229
Main system pressure	MPa	28.3
Pilot system pressure	MPa	3.7
Travel system pressure	MPa	28.3
Swing system pressure	MPa	23.5

Main performance		
Travel speed (high/low)	km/h	4.9/2.7
Swing speed	r/min	12
Gradeability	-	35° (70%)
Ground specific pressure	kPa	42.3
Bucket digging force (ISO)	kN	64
Arm digging force (ISO)	kN	41
Maximum traction force	kN	64

Standard		
Length of boom	mm	2027 (Front boom) 2060 (Rear boom)
Length of arm	mm	1823
Bucket capacity	m³	0.35 (Earthmoving bucket)

Optional		
Length of boom	mm	2027 (Front boom) 2060 (Rear boom)
Length of arm	mm	1823
Bucket capacity	m³	0.2 0.3 (Earthmoving bucket)