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XE27E

CRAWLER EXCAVATOR



Operating weight 2780kg

Bucket capacity 0.06m³

Rated power 18.2kW



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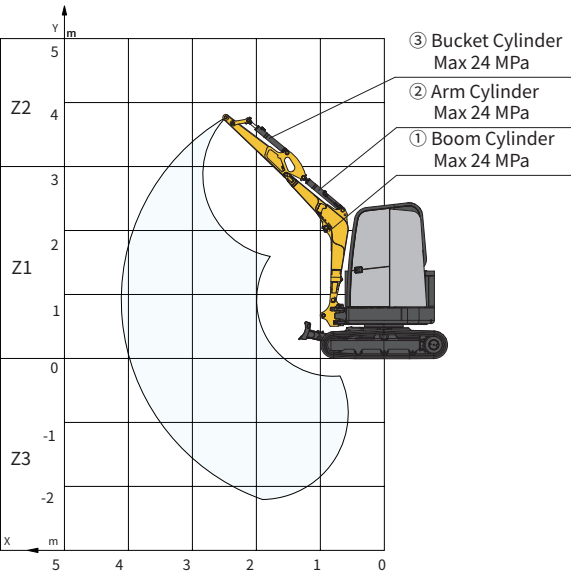
Applications : Municipal construction, landscaping, farmland water conservancy.

Features : High power engine with strong power; equipped with heating and cooling air conditioning, comfortable operations; with quick coupler and two auxiliary pipelines, adjustable pressure and flow rate, suitable for various attachments such as tilting buckets and thumb.

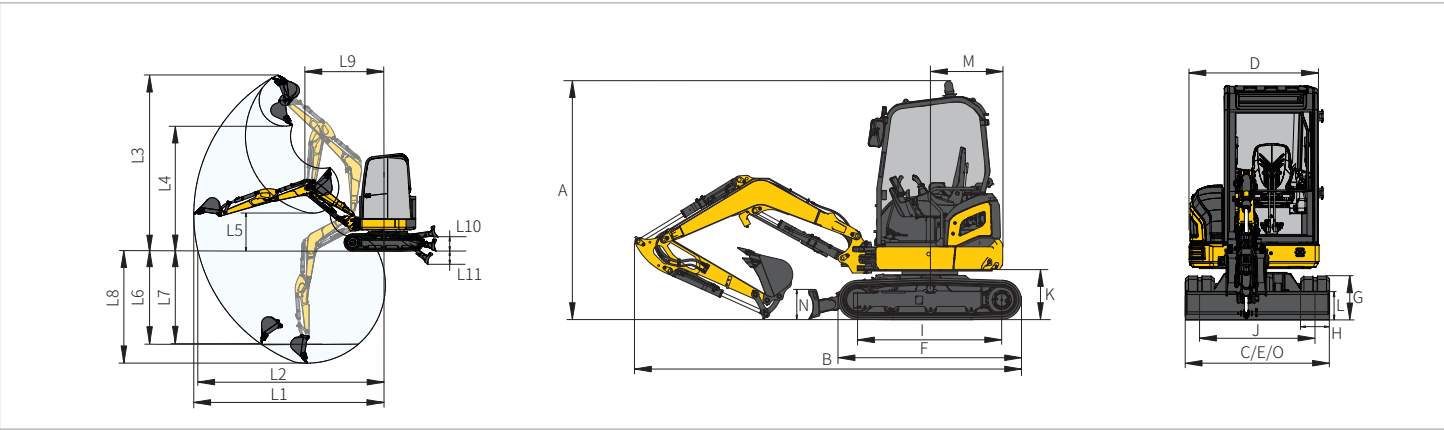


Never attempt to lift or hold any load in excess of the rated lifting capacity at the specified lifting radius and height. The lifting point is located on the lifting eye of the arm (Bucket weight is not included), any additional attachment such as bucket should be deducted from the lifting weight. When 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	1.0m		2.0m		3.0m		4.0m		MAX					
														m	
1.3m	Z2					*435		360		402		290		3.37	
	Z1			791	525	430	298	294	207	282	198	4.10			
	Z3	*990	*990	*596	527	425	294			350	244	3.47			



- 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 mass of 2780 kg (6129 lb), which includes 0.3 m (0.98 ft) rubber tracks, a 2.09 m (6.86 ft) boom, a 1.3 m (4.27 ft) arm, a 310 kg (683.4 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	4750
L2 Maximum reach at GRP	mm	4640
L3 Maximum digging height	mm	4390
L4 Maximum unloading height	mm	3210
L5 Minimum unloading height	mm	955
L6 8 ft. level floor digging depth	mm	2312
L7 Maximum vertical digging depth	mm	2310
L8 Maximum digging depth	mm	2800
L9 Minimum swing radius	mm	1980
L10 Maximum lifting height of dozer blade	mm	310
L11 Max. cutting depth of dozer blade	mm	330
Boom deflection angle (left)	-	72°
Boom deflection angle (right)	-	55°

Item contents	Unit	Parameters
Dimensions		
A Overall height	mm	2620
B Overall length	mm	4225
C Overall width	mm	1500
D Upper structure width	mm	1350
E Chassis width	mm	1500
F Track length	mm	1980
G Track height	mm	452.5
H Standard track shoe width	mm	300
I Track wheelbase	mm	1560
J Track gauge	mm	1200
K Counterweight ground clearance	mm	528
L Minimum ground clearance	mm	290
M Tail Swing Radius	mm	790
N Dozer blade height	mm	300
O Dozer blade width	mm	1500

Item contents	Unit	Parameters
Operating weight	kg	2780
Engine		
Engine brand/model	-	Kubota/D1305
Rated power/rpm	kW/rpm	18.2/2400
4-stroke	-	√
Water-cooled	-	√
Stroke	mm	88
Cylinder bore	mm	78
Number of cylinders	-	3
Maximum torque/rpm	N·m/rpm	81.3/1600
Displacement	L	1.261

Oil capacity		
Fuel tank capacity	L	38
Hydraulic oil tank capacity	L	22

Track		
Standard track shoe width	mm	300
Number of track roller (per side)	-	3
Number of track carrier roller (per side)	-	1

Cab standard		
ISO 10262: 1998 (OPG)	-	√
ISO 12117: 1997 (TOPS)	-	√
ISO 3471: 2008 (ROPS)	-	√

Item contents	Unit	Parameters
Hydraulic system		
Main pump	-	One variable pump
Maximum flow rate of main system	L/min	82.8
Main system pressure	MPa	24.3
Pilot system pressure	MPa	3.5
Travel system pressure	MPa	24.3
Swing system pressure	MPa	21

Main performance		
Travel speed (high/low)	km/h	4.0/2.1
Swing speed	r/min	10
Maximum swing torque	kN·m	3.5
Gradeability	-	30° (58%)
Ground specific pressure	kPa	26.4
Bucket digging force (ISO)	kN	23
Arm digging force (ISO)	kN	14
Maximum traction force	kN	29.7

Standard		
Length of boom	mm	2090
Length of arm	mm	1300
Bucket capacity	m ³	0.06 (Earthmoving bucket)

Optional		
Length of boom	mm	-
Length of arm	mm	-
Bucket capacity	m ³	0.026 (Earthmoving bucket) 0.13 (Ditch-digging bucket)