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XE155ECR

CRAWLER EXCAVATOR



Operating weight 16760kg

Bucket capacity 0.52m³

Rated power 90kW

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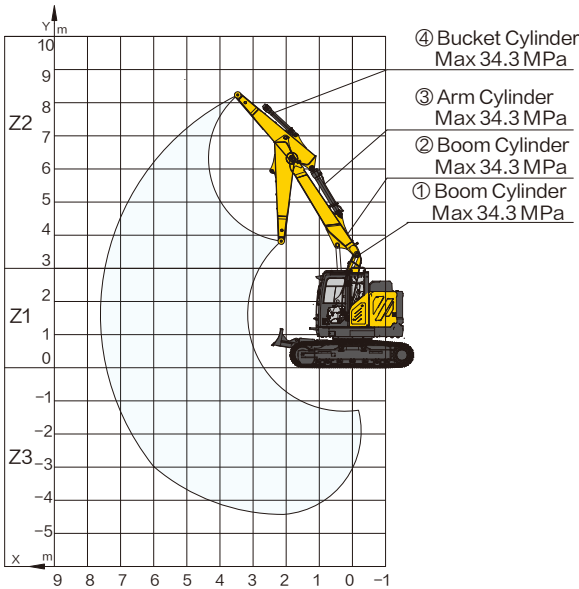
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Applications : Trench excavation and laying of underground pipelines for municipal water supply, gas and electricity.

Features : European mass production, ultra-short turning radius, suitable for narrow working conditions. Standard multi-tool pipeline, PTO pump, visual pressure adjustment. Optional seat belt warning light and full guardrail to improve working safety.

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		1.5m		3.0m		4.5m		6.0m		7.5m		MAX	
2.52m	Z2					*7760	*7760	*4960	*4960	*3800	3630			*3240	2630
	Z1					*4200	*4200	*5510	4870	*4530	3360	*3360	2540	*3260	2570
	Z3			*4990	*4990	*5010	*5010	*6220	4800	*4620	3320			*3610	2560



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.

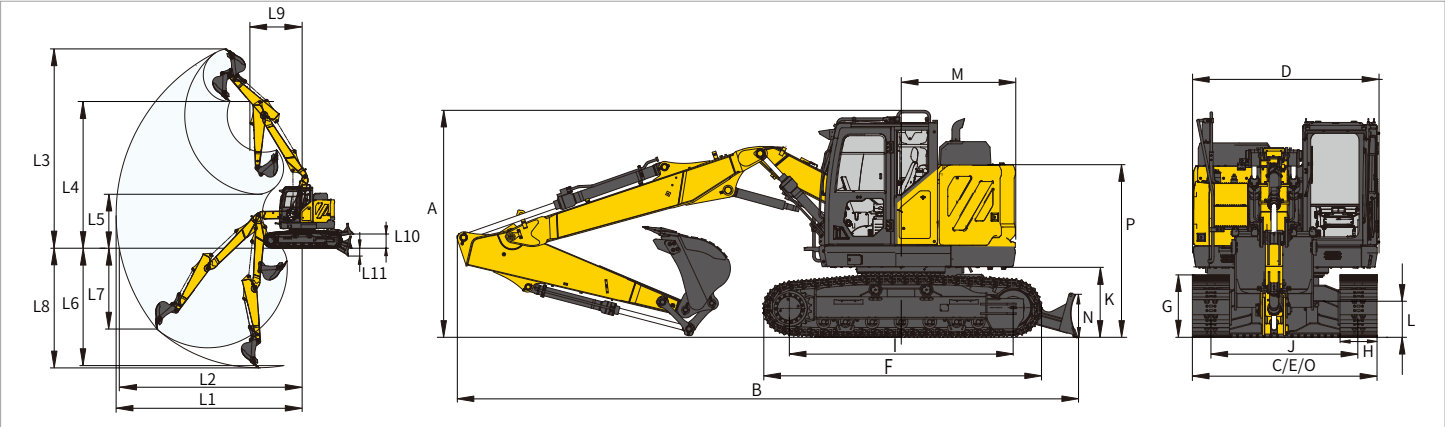
Note 3 The least stable position is on the side of the excavator.

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 16760 kg (36949 lb), which includes 0.5 m (1.64 ft) steel tracks, a 1.85+3.5 m (6.0+11.4 ft) boom, a 2.52 m (8.3 ft) arm, a 3000 kg (6613 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 8975
L2	Maximum reach at GRP	mm 8825
L3	Maximum digging height	mm 9470
L4	Maximum unloading height	mm 6980
L5	Minimum unloading height	mm 2570
L6	8 ft. level floor digging depth	mm 5540
L7	Maximum vertical digging depth	mm 3824
L8	Maximum digging depth	mm 5680
L9	Minimum swing radius	mm 2505
L10	Maximum lifting height of dozer blade	mm 669
L11	Max. cutting depth of dozer blade	mm 368

Item contents	Unit	Parameters
Operating weight	kg	16760
Engine		
Engine brand/model	-	Cummins/B4.5
Rated power/rpm	kW/rpm	90/2200
Direct injection	-	√
Electric injection	-	√
4-stroke	-	√
Water-cooled	-	√
Turbocharged	-	√
Air-to-Air intercooling	-	√
Stroke	mm	124
Cylinder bore	mm	107
Number of cylinders	-	4
Maximum torque/rpm	N·m/rpm	500/1500
Displacement	L	4.5

Main performance		
Travel speed (high/low)	km/h	4.7/2.9
Swing speed	r/min	11.3
Maximum swing torque	kN·m	32
Gradeability	-	35° (70%)
Ground specific pressure	kPa	49.99
Bucket digging force (SAE)	kN	107
Arm digging force (SAE)	kN	80
Maximum traction force	kN	134

Track		
Standard track shoe width	mm	500
Number of track shoes (per side)	-	46
Number of track roller (per side)	-	7
Number of track carrier roller (per side)	-	2

Item contents	Unit	Parameters
Dimensions		
A	Overall height	mm 3035
B	Overall length	mm 8315
C	Overall width	mm 2490
D	Upper structure width	mm 2490
E	Chassis width	mm 2490
F	Track length	mm 3734
G	Track height	mm 837
H	Standard track shoe width	mm 500
I	Track wheelbase	mm 2997
J	Track gauge	mm 1990
K	Counterweight ground clearance	mm 943
L	Minimum ground clearance	mm 477
M	Tail Swing Radius	mm 1530
N	Dozer blade height	mm 566
O	Dozer blade width	mm 2490
P	Hood height	mm 2300

Item contents	Unit	Parameters
Hydraulic system		
Main pump	-	Two variable pumps
Pilot pump	-	One gear pump
PTO pump	-	One gear pump
Maximum flow rate of main system	-	2 × 120
PTO pump flow rate	L/min	53
Main system pressure	L/min	34.3
Main system pressure (power-max pressure)	MPa	37
Pilot system pressure	MPa	3.9
PTO pump pressure	MPa	25
Travel system pressure	MPa	34.3
Swing system pressure	MPa	25

Oil capacity		
Fuel tank capacity	L	200
DEF tank capacity	L	19
Hydraulic oil tank capacity	L	90

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

Standard		
Length of boom	mm	1850+3500 (Front boom) (Rear boom)
Length of arm	mm	2520
Bucket capacity	m³	0.52 (Reinforced bucket)

Optional		
Length of boom	mm	1850+3500 (Front boom) (Rear boom)
Length of arm	mm	2520
Bucket capacity	m³	0.32 (Reinforced bucket) 0.52 (Rock bucket)