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XCMG

XE155ECR

CRAWLER EXCAVATOR



Operating weight 16600kg

Bucket capacity 0.65m³

Rated power 90kW

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Applications : Widely used in trench excavation and laying of underground pipelines for municipal water supply, gas and electricity.

Features : European mass production, ultrashort turning radius, suitable for narrow working conditions. Standard multitool 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 (excluding the weight of the bucket). If there are additional attach-ments such as bucket, etc., their weight 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.

Lifting point height (m)	Rated lifting capacity (kg) Lifting point radius (m) 1.5	3.0	4.5	6.0	7.5	Lifting capacity	Rated lifting capacity (kg) Lifting point radius (m) 1.5	3.0	4.5	6.0	7.5	Lifting capacity	Lifting radius (m)
7.5		*3560				*2660		*3560				*2660	3.8
6.0			*3270			*2140			*3270			*2140	5.6
4.5		*3780	*4320	*3180		*2020		*3780	3700	2360		*2020	6.5
3.0		*7360	*5370	4140		*2010		*7360	3820	2520		*2010	7
1.5		*8260	*6360	4140		*2080		*6380	3570	2380		*2080	7.1
0.0		*7220	6080	4120		*2340		*6440	3420	2340		*2340	6.9
−1.5	*5240	*10550	6180	4060		*2850	*5240	*6320	3460	2280		*2850	6.4
−3.0	*9040	*8460	*6120			*4080	*9040	*6330	3440			*4080	5.5
−4.5													

Lifting capacities marked with an asterisk (*) are limited by hydraulic capacity, see note 2.

Note 1 The lifting capacity in the table refers to the case where no external thrust intervention is included.

Note 2 The lifting capacity in the table should not exceed 75% of the minimum tipping load or 87% of the hydraulic capacity.

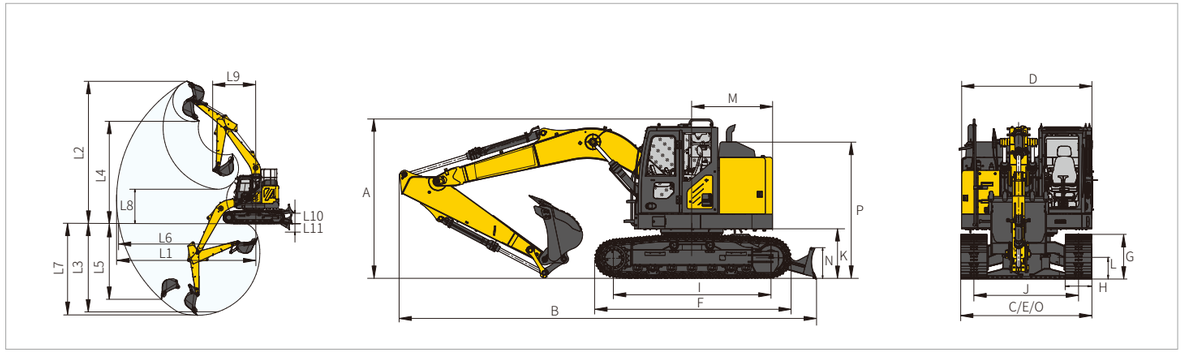
Note 3 The least stable position is on the side of the excavator.

Note 4 The lifting capacity table applies only to machines originally manufactured and normally assembled by the manufacturer.

Note 5 Lifting capacity shall be in accordance with ISO 10567:2007.

Note 6 For all configured crawler specifications, the lifting capacity is kept within ±5%.

Configuration: 1990 mm track gauge + 2997 mm crawler base + 3.01 t counterweight + 4600 mm boom + 2520 mm arm + 500 mm track.



Item contents	Unit	Parameters
Working range		
L1 Maximum reach	mm	8390
L2 Maximum digging height	mm	8750
L3 Maximum digging depth	mm	5420
L4 Maximum dumping height	mm	6310
L5 Maximum vertical digging depth	mm	4580
L6 Maximum reach at GRP	mm	8230
L7 8 ft. level floor digging depth	mm	5195
L8 Minimum dumping height	mm	2205
L9 Minimum swing radius	mm	2605
L10 Maximum lifting height of dozer blade	mm	670
L11 Maximum cutting depth of dozer blade	mm	370

Item contents	Unit	Parameters
Dimensions		
A Overall height	mm	3070
B Overall length	mm	7945
C Overall width	mm	2490
D Upper structure width	mm	2490
E Chassis width	mm	2490
F Track length	mm	3735
G Track height	mm	840
H Standard track shoe width	mm	500
I Track wheelbase	mm	2997
J Track gauge	mm	1990
K Counterweight ground clearance	mm	940
L Minimum ground clearance	mm	480
M Tail swing radius	mm	1530
N Height of engine hood	mm	2620
O Dozer blade height	mm	595
P Dozer blade width	mm	2490

Item contents	Unit	Parameters
Operating weight	kg	16600
Engine		
Engine brand/model	-	Cummins/B4.5
Emission standard	-	EU Stage V
Rated power/rpm	kW/rpm	90/2200
Maximum power/speed	kW/rpm	90/2200
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
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
Cab standard		
ISO 10262：1998（OPG）	-	√
ISO 12117-2：2008（ROPS）	-	√
Oil capacity		
Fuel tank capacity	L	200
DEF tank capacity	L	24
Hydraulic oil tank capacity	L	90

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	L/min	2 × 117
PTO pump flow rate	L/min	52
Main system pressure	MPa	34.3
Main system pressure (power-max pressure)	MPa	37
Pilot system pressure	MPa	3.9
PTO pump pressure	MPa	24
Travel system pressure	MPa	34.3
Swing system pressure	MPa	25
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 (ISO)	kN	107
Arm digging force (ISO)	kN	80
Maximum traction force	kN	134
Standard		
Length of boom	mm	4600
Length of arm	mm	2520
Bucket capacity	m³	0.65 (Reinforced bucket)
Optional		
Length of boom	mm	-
Length of arm	mm	-
Bucket capacity	m³	0.32 (Earthmoving bucket) 0.52 (Rock bucket)