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ONE MACHINE INFINITE POSSIBILITIES



TZ215EXD HYDRAULIC EXCAVATOR

Operating Weight

22462kg

Engine

Cummins QSB7

Rate Power

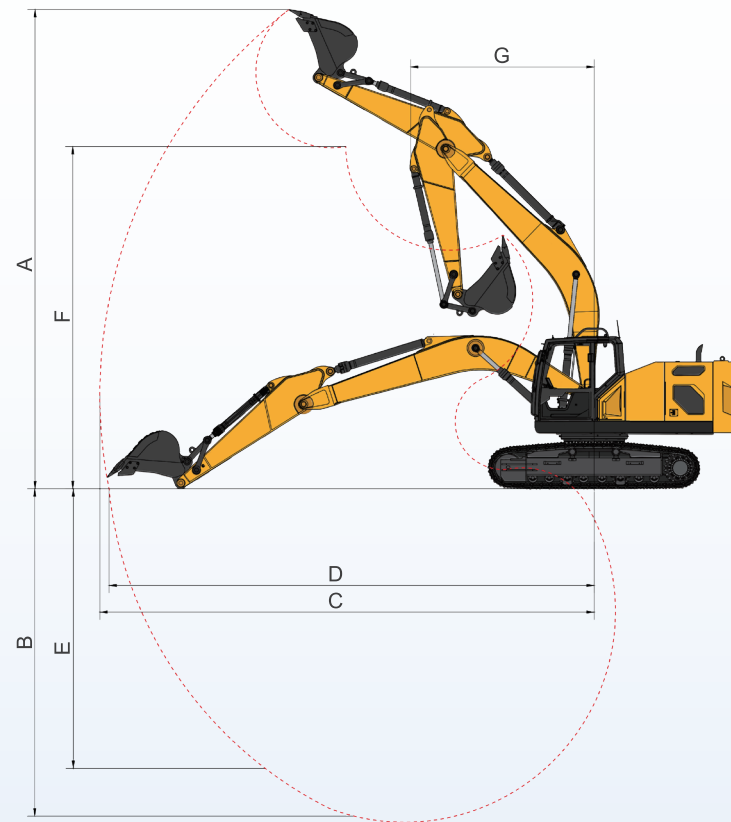
135kW/2050rpm

Bucket Capacity

1.0m³

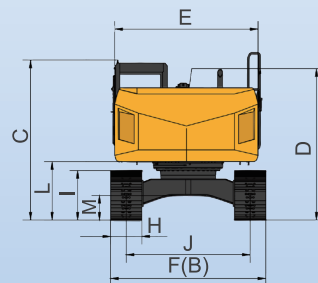
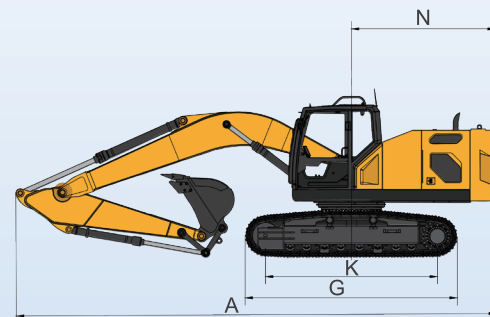
Working Range (mm)

A	Max. Digging Height	9592
B	Max. Digging Depth	6551
C	Max. Digging Radius	9894
D	Max. Digging Reach	9712
E	Max. Vertical Digging Depth	5596
F	Max. Dumping Height	6747
G	Min. Swing Radius	3674



Dimensions (mm)

A	Transport Length	9609
B	Transport Width	2800
C	Height Over Cabin	3072
D	Height Over Boom(Transport)	3029
E	Upperstructure Carriage Width	2750
F	Undercarriage Width	2800
G	Track Length	4066
H	Track Width	600
I	Track Height	951
J	Track Gauge	2200
K	Central Distance of Tumblers	3260
L	Counterweight Clearance	1123
M	Min. Clearance	472
N	Tail Swing Radius	2880
O	Boom Length	5680
P	Arm Length	2919



Engine

Brand	/	Cummins
Model	/	QSB7
Emission Standard	/	Stage III
Rated Power	kW/rpm	135/2050
Displacement	L	6.7

Hydraulic System

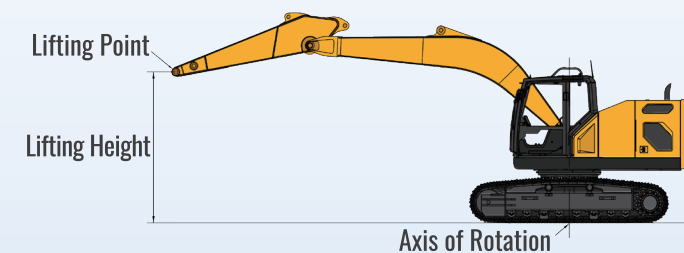
Brand	Hengli	
Max. Oilflow	L/min	266.5*2
Implement Circuit	MPa	34.3
Travel Circuit	MPa	34.3
Swing Circuit	MPa	25.5
Pilot Circuit	MPa	3.9

Service Refill Capacities

Fuel Tank	L	400
Hydraulic Oil Tank	L	260
Engine Oil	L	24

Performance

Bucket Digging Force	kN	141
Arm Digging Force	kN	108
Swing Speed	r/min	10.7
Max. Travel Speed	km/h	5.5/3.3
Max. Travel Force	kN	210
Gradeability	°	35
Ground Pressure	kPa	51.1
Bucket Capacity	m³	1.0



1. This lifting capacity calculation complies with ISO 10567 and SAE J1097 standards, meanwhile considering 0.87 as the Hydraulic system limitation factor and 0.75 as the tipping stability limitation factor.
2. Scenarios marked with an asterisk (*) denote hydraulic system limitations; unmarked scenarios indicate stability limitations.
3. Lifting point refers to the boom front hinge pin (bucket weight excluded). Additional attachments (e.g., buckets) must be deducted from the stated capacity.

Lifting Capacity

Lifting Point Height (m)	Over Front				Over Side			
	Lifting Point Radius(m)				Lifting Point Radius(m)			
	3	4.5	6	7	3	4.5	6	7
7.5			*5013				4993	
6			*4960				*4960	
4.5			*5474	*5115			4834	3429
3		*8010	*6274	*5456		6959	4604	3331
1.5		*9596	*7084	*5854		6484	4378	3222
Ground	*6473	*10421	*7640	6009	*6473	6229	4219	3141
-1.5	*10991	*10455	*7764	5986	*10991	6161	4154	3119
-3	*13677	*9719	*7242		*11944	6225	4192	
-4.5	*10759	*7769			*10759	6440		