ZOOMLION

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CRAWLER LOADER

ZY65C

ZY65C crawler loader is a new-generation machine specially designed and manufactured for removing slag in front of the furnace in the steel plant. It is widely used by iron and steel enterprises to remove slag in front of the furnace.

It adopts high-horsepower hydraulic drive and hydraulic control technologies. The reasonable structure and advanced performance ensure flexible & reliable operation and high work efficiency.

It has excellent performance such as resistance to high temperature, thermal radiation and dust, as well as high safety and reliability.

Under harsh working conditions, the use cost and maintenance cost are relatively low, thus bringing excellent economic performance.

● The steel slag type bucket improves structural strength. High-quality wear-resistant and high-temperature resistant steel is adopted to further improve the wear resistance and high temperature resistance of the bucket, thus prolonging service life of the bucket.

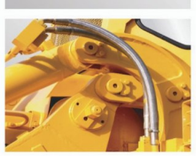
● The new-type sealed cab is of beautiful and elegant appearance. Special glass, windshield protective net and roof protective layer ensure excellent sealing performance, high comfort and safe operation for the operator.

● The protective nets installed on both sides of the engine can effectively prevent the splashed molten steel or steel slag from being sucked into the engine.
● The air outlet of the front hood guard grid is inclined downward, which reduces the heat radiation to the engine, prevents the radiator from being blocked by steel slag or molten steel, and enhances reliability of the cooling system.

●The improved air intake system improves air intake quality of the engine, reduces the early wear of the engine and prolongs the service life of the engine.

●The idler, track roller and carrier roller all adopt floating oil seals. The O-ring is of high reliability thanks to the high-temperature resistant special rubber material it adopted.
● The track roller adopts the advanced integral water spray quenching heat treatment workmanship, which increases the thickness of the wear-resistant layer, ensures super-high wear resistance and prolongs the service life.

●High-temperature resistant oil cylinder hose and steel wire protective net are adopted to shield heat and improve wear-resistance.
●The track shoe adopts special steel, providing excellent wear resistance and high-temperature resistance.



Machine parameters	Overall dimensions（mm） L × W × H	Common bucket	6540×2936×3505 （3366 to exhaust pipe)）
		Steel slag bucket	6432×2946×3505 （3366 to exhaust pipe)）
	Operating weight (kg)	Common bucket	31300(3.2m³)
		Steel slag bucket	31500(2.6m³)
	Ground clearance（mm）		445
	Length of track on ground（mm）		3050
	Maximum pry-out force (kN)		183
	Maximum penetration force (kN)		252
	Maximum pull (kN)		470
Engine	Model		NT855－C280
	Type		Four stroke cycles, water-cooled, air to air, inter-cooled, cylinders in-line, electrically controlled turbocharged diesel engine
	Displacement (mL)		14010
	Rated RPM (r/min)		1850
	Rated power (kW)		183
Traveling speed	Forward I (km/h)		0~3.5
	Forward II（Km/h）		0~6.4
	Forward III （Km/h）		0~11.2
	Reverse I (km/h)		0~4.2
	Reverse II (km/h)		0~7.7
	Reverse III (km/h)		0~13.2
Drive system	Suspension mode		Semi-locked, equalizer bar floating type
	Idler		1
	Carrier roller		2
	Sprocket		1
	Track roller		7
	Type		3-grouser
	Pitch (mm)		216
	Width (mm)		510
	Grouser height (mm)		36
	Number of track shoes		41
	Track gauge (mm)		2250
Work equipment	Rated loading capacity (kg)		6500
	Digging depth (mm)		145
	Maximum back-tilting angle (°) (bucket on ground)		47
	Maximum back-tilting angle (°) (bucket at maximum lifting position)		53.5
	Maximum back-tilting angle (°) (bucket at maximum lifting position)		53
	Dumping angle (°)		45
	Dumping height (mm)	Common bucket	3090
		Steel slag bucket	3166
	Dumping reach (mm) at maximum dumping height	Common bucket	1516
		Steel slag bucket	1440