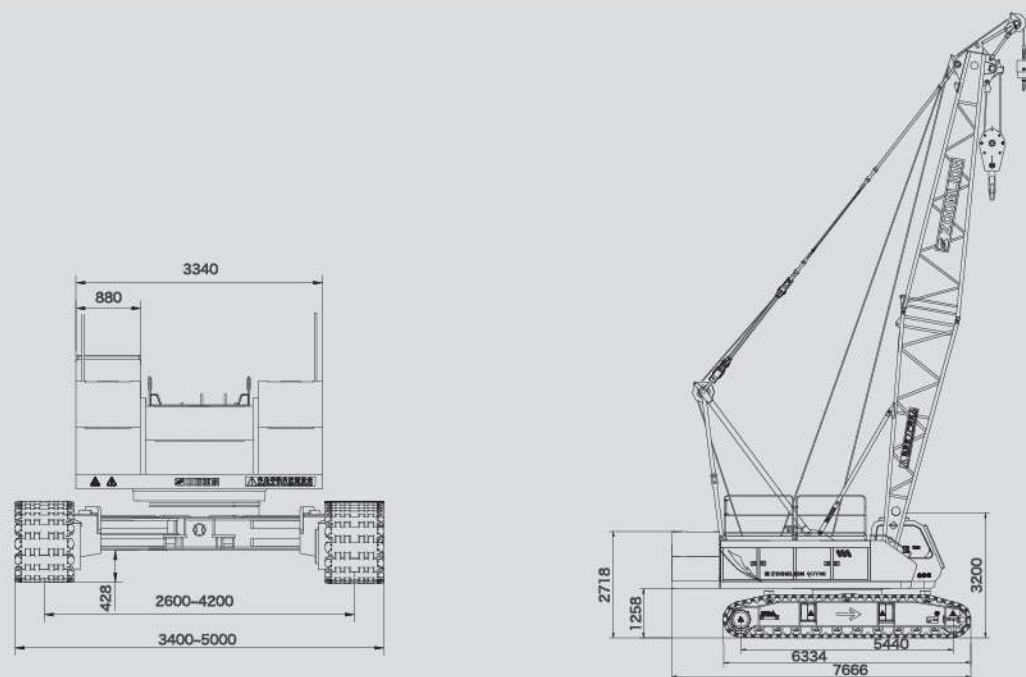


QUY80



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CRAWLER CRANE QUY80

I. Introduction

QUY80 is a small-tonnage product, which can work with boom or fixed jib. Its design, manufacturing and inspection are made faithfully in compliance with the CE standard in order to provide customers with products in perfect quality. Our market share ranks number one among the counterparts in China. It is widely

used at mining and industrial enterprises, construction sites, power plants, ports, wharfs, oil fields, warehouses, freight houses and stations, etc. where hoisting is required.

QUY80 hydraulic crawler crane is basically categorized into hook type installation and loading & unloading. The product is prohibited from use for grab bucket, pulling & scraping, dynamic compaction or electromagnetic lifter, etc

II. Parameters

Item	Value	Remarks
Max. rated lifting capacity × Radius	80t×4.3m	
Self weight with basic boom	70.8t	
Length of main boom	13m~58m	
Length of fixed jib	6m~18m	
Max. rated lifting capacity of fixed jib	7t	
Offset angle of fixed jib	10° ,30°	
Max. length of main boom + fixed jib	49m+ 18m	
Max. single-rope speed	Main winch (with free falling function for option)	120m/min 4 th layer of reel
	Aux. winch	120m/min 4 th layer of reel
	Luffing winch	61 m/min 4 th layer of reel
Slewing speed	1~2rpm	
Traveling speed	1~1.68km/h	
Gradeability (with basic boom, cab located rear)	30%	
Ground pressure	0.083MPa	
Overall dimension L×W×H	13.5m×3.4m×3.2m	Incl. propeller strut and bottom boom
Engine	Cummins	Rated power/Rev 209/2200kW/r/min
		Max. output torque/Rev 1100/1400Nm/ r/min
Track gauge× Ground contact length × Track shoe width		4200mm×5440mm×800mm Extend
		2600mm×5440mm×800mm Retract
Noise	Ambient radiation noise when working	≤107dB
	In-cab noise when working	≤85dB

III. Features and Advantages

- High-level configuration ensuring safety and reliability

Cummins diesel engine, with rated output 209kW/2200rpm;

The slewing mechanism can slew 360° , with slewing bearing and reducer geared inside, enjoying high precision and bearing capacity, ensuring the product slews stably and accurately;

The arm support is made of high-strength pipe, luffing pulling plate made of high-strength plate, and major structures made of high-strength steel, which ensure excellent lifting capacity, safety and reliability;

Hydraulic proportion control system is mainly composed of control valves, servo operation handles and foot valves, etc. Windlass, slewing and traveling mechanisms are controlled via servo handles and foot valves, high in precision, good in stability and great in inching;

Combination of actions: The hydraulic system is capable of combining several motions while the system design takes safety into full consideration, which improves efficiency in operation;

Leak-free sleeve joint: All pipelines of the hydraulic system employ sleeve joint, which adapts well to extreme temperatures without any leakage;

All major elements of the hydraulic system, such as pump,

motor and main control valve, are supplied by famous Chinese and overseas enterprises, which enjoy high energy and operation efficiency, excellent reliability, long life, full configuration of accessories and considerate post-sale service;

Provide the optimal transportation scheme to minimize transportation cost; Each part or unit is provided with a unique identifier, which helps the product to be assembled correctly.

- Excellent operating characteristics

The operation mechanism is rapid in operation and good in efficiency;

The LEBUS reel is wound to many layers without any rope disorder; the reducer is built in, low in noise, high in efficiency and long in life;

The product travels in line with 70% of the rated load;

The product is equipped with full safety devices, which ensures it runs safely.

- Low use cost

Power-driven fuel feed pump, convenient and time-saving; Excellent self-loading and unloading: The product can get onto or off a platform lorry on its own and the track frame can extend or retract freely, thus lowering the loading and unloading cost; Pulling-plate luffing: The pulling plate can be maintained and inspected easily.