



TK550

Model TK550-1E

TELESCOPIC CRAWLER CRANE

Max. Lifting Capacity : 55t × 3.0m Comply with Japanese Construction Codes for Mobile Cranes.

▣ GENERAL SPECIFICATION

Model		TK550-1E	
Weight			
Operating weight	t	49.98	
Ground pressure	kPa{kgf/cm ² }	68.3{0.70}	
Crane Performance			
Max. rated load	9.97m boom	txm	55.0x3.0 (12-lines)
	16.7m boom	txm	28.0x5.0 (6-lines)
	23.4m boom	txm	22.0x6.0 (5-lines)
	30.1m boom	txm	14.0x6.5 (4-lines)
	Aux. sheave (max.)	txm	5.0 (1-line)
Main boom length	m	9.97~30.1	
Main hook max. height	m	30.7	
Main hook max. operating radius	m	27.6	
Line speed	Main	m/min	125 (at 4th layer)
	Aux.	m/min	110 (at 2nd layer)
	Third (optional)	m/min	100 (at 3rd layer)
Rated line pull	Main	kN{tf}	44.1{4.5}
	Aux.	kN{tf}	49.0{5.0}
	Third (optional)	kN{tf}	29.4{3.0}
Max. line pull (Referential performance)	Main	kN{tf}	83.3{8.5}
	Aux.	kN{tf}	83.3{8.5}
	Third (optional)	kN{tf}	49.5{5.1}
Boom telescoping speed	sec/m	120/20.1	
Boom raising speed	sec/degree	64/0~82.5	
Swing speed	min ⁻¹ {rpm}	2.3{2.3}	
Boom Structure			
Main boom	Four section, box construction, 2nd and 3rd simultaneously telescoping, 4th independently telescoping		
Boom hoist device	Direct forced type by double acting hydraulic cylinder (one)		
Boom telescoping device	Direct forced type by double acting hydraulic cylinder (three)		
Load hoist device	Hydraulic motor drive with spur gear reduction with auto-brake, independent 2 winches, with free-fall function		
Swing device	Hydraulic drive motor with planetary gear reduction with hand brake, swing neutral-free or neutral-brake selector type		
Wire Rope			
Main winch	mm×m	18dia.×180 IWRC6×Ws (26) anti twist rope	
Aux. winch	mm×m	18dia.×80 IWRC6×Ws (26) anti twist rope	
Third winch (optional)	mm×m	16dia.×80 IWRC6×Fi (29) anti twist rope	
Hydraulic Device			
2 variable plunger pumps + 3 pumps (2 variable plunger pumps + 1 gear pump)			
Hydraulic oil tank	ℓ	610	
Upper Structure			
Engine	Model	MITSUBISHI 6D16-TLE2A	
	Type	Water cooled, 4 cycle, 6 cyls, direct injection diesel with turbocharger, intercooler	
	Total displacement	ℓ	7.545
	Max. output	kW/min ⁻¹ {PS/rpm}	147/2,000{200/2,000}
	Max. torque	N·m/min ⁻¹ {kgf·m/rpm}	804/1,600{82/1,600}
Fuel tank	ℓ	270	
Lower Structure			
Propel system	Hydraulic motors, planetary reducer, direct drive, shoe-in-type		
Travel speed	km/h	1.9/1.2	
Gradeability	%	30	

Units are SI units. { } indicates conventional units.

KOBELCO