



ROTEC HI-TOWER FLATLINER TOWER CRANE

TC2500

25 METRIC TON CAPACITY AT 100 METER RADIUS

TECHNICAL SPECIFICATIONS

Jib Radius	104m	341 ft.
Maximum Working Radius	100m	328 ft.
Maximum Height Under Hook:		
Fixed Base (3,2m high)	95,0m	311 ft.
Traveler Base (17.0m high)	108,8m	357 ft.
Maximum Lift Capacity	25.000kg	27.5 ton
Mast Bending Capacity	3.400 ton-meters	24,600 ft-kip
Jib Rating, Max. Lift @ Max. Radius	2.500 ton-meters	18,080 ft-kip
Mast Section (maximum 10 sections 3,5m diameter 11'-6" diameter freestanding)		
	x 9,3m high	x 30'-6" high
Climbing	Self-Climbing via Hydraulic Powered Jacks	

MACHINERY SPECIFICATIONS *

All main drives are variable-speed, closed-loop, hydrostatic with electric motors driving the hydraulic pumps.

Operating Operator's cabin is integrated within the power house. The operator controls and monitors all functions of the crane from his climate-controlled work station. It is equipped with computerized electronic devices for maximum degree of safety, dependability and performance.

Hoisting ☒ Maximum Hook Speed of 75m/min. (246 ft/min)
☒ Wire Rope Size 35mm (1-3/8"),
☒ Working Capacity is 13,25mt (5:1 safety factor)
☒ Power Output 192kw (2 x 250hp pumps = 500hp winch)

Slewing ☒ Maximum Speed of 0,6 rpm
☒ Power Output 50kw (65hp)

Trolley ☒ Maximum Speed of 100m/min
☒ Power Output 38kw (50hp)

Electrical ☒ 480 Volts, 3 Phase, 60 Hertz or 380 Volts, 3 Phase, 50 Hertz
☒ Total Power Required is 300kw (400hp)

* Speeds and power outputs are based on 480v, 60hz power.
 Multiply by 5/6 (0,833) for 380v, 50 hz power.