

Bid Specifications – Telescopic Service Crane

6,500 ft-lbs Basic Capacity / Electric Crane



Compliance to Specifications The Bidder shall indicate their compliance by checking "Yes" or "No" for each item specified. Any space not checked shall be interpreted as non-compliance and will result in disqualification of the bid.

Make & Model	<u>Econo-Ton II</u> (Manual Rotation & Manual Boom Elevation) <u>Econo-Ton IIR</u> (Power Rotation & Manual Boom Elevation)	Comply to Specification		Deviation from Specification
		Yes	No	
Capacity (Measured from Center of Rotation)	<u>5' Boom</u>			
	2,000 lbs. @ 2'			
	2,000 lbs. @ 2'-6"			
	2,000 lbs. @ 3'-3"			
	1,546 lbs. @ 4'-2"			
	1,260 lbs. @ 5'-2"			
	<u>7' Boom</u>			
	2,000 lbs. @ 2'-6"			
	1,750 lbs. @ 3'-6"			
	1,546 lbs. @ 4'-2"			
	1,425 lbs. @ 4'-6"			
	1,150 lbs. @ 5'-7"			
	918 lbs. @ 7'			
Specifications & Standards	Overall dimensions (LxWxH) <ul style="list-style-type: none"> 24" x 12" x 46 5/8" for Econo-Ton II 24" x 12" x 49 5/8" for Econo-Ton IIR 			
	Weight of crane shall not exceed <ul style="list-style-type: none"> 208 lbs for Econo-Ton II 280 lbs for Econo-Ton IIR 			
	Paint – Auto Crane White			
	Compliance with ANSI B30.5 standards and OSHA regulations concerning crawler locomotives and truck cranes (OSHA Title 29, Part 1910.180)			

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(To be provided by User / Installer of crane)	Minimum truck chassis requirements:			
	<ul style="list-style-type: none"> • 5,200 lbs. GVWR 			
	Stabilizers shall be installed to increase stability and reduce the load on the truck springs while lifting			
	Alternator – 70 amp minimum			
	Battery			
	<ul style="list-style-type: none"> • Heavy-duty, deep cycle, maintenance type • 625 cold cranking amp minimum • 100-minute reserve minimum 			
	22-feet of high current battery cable			

Boom – Lift	Lift angle from 17° to 50° with (2) working boom positions			
	Manually activated			
Boom Extension	Manually activated			
	5' Boom	<ul style="list-style-type: none"> • 3-boom positions • 3'-3" • 4'-2" • 5'-2" 		
7' Boom	<ul style="list-style-type: none"> • 3-boom positions • 4'-2" • 5'-7" • 7' 			

Hoist	Hoist unit:			
	<ul style="list-style-type: none"> • Motor – 12V DC series wound, 3/4 HP, heavy duty 			
	<ul style="list-style-type: none"> • Hoist function shall not exceed 35 Amps when lifting maximum load of 2,000 lbs. 			
	<ul style="list-style-type: none"> • Hoist must incorporate a spur gear reduction 			
	A worm gear design is NOT acceptable.			
	<ul style="list-style-type: none"> • Hoist shall be equipped with a friction brake capable of holding the rated capacities in the event of power loss to the crane 			
	Line speed of 18 ft./min. (single line) with no load			
	25-ft. of 3/16" diameter aircraft cable with 4,200 lbs. breaking strength compliance to ANSI Standards			

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Sheave	Anti-friction, high strength polymer with maintenance free, sealed needle roller bearing			
Swivel Block	<ul style="list-style-type: none"> Heavy-duty type with hook with latch Provision for double line string up 			
Rotation	Econo-Ton II <ul style="list-style-type: none"> 325° continuous manual rotation Braking by means of manual handle 			
	Econo-Ton IIR <ul style="list-style-type: none"> 355° electric powered rotation Two anti-friction bearings are to be used for rotation; bronze bushings are not acceptable 			
Control System	Handheld removable remote control pendant to operate crane functions			
	Pendant: Econo-Ton II <ul style="list-style-type: none"> 10-ft length attachable tethered cord with 4-pin connector Switches shall be sealed with individual rubber boots Operates hoist functions only 			
	Econo-Ton IIR <ul style="list-style-type: none"> 10-ft length attachable tethered cord with 7-pin connector Switches shall be sealed with individual rubber boots Operates hoist & rotation functions 			
Warranty	Manufacturer shall provide a two-year limited warranty against defects in materials and workmanship from the date of delivery			
Options (Must be available as required)	Paint – provide code and desired color if other than standard			

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Notes:

Submitted by: _____

Date: _____