

Table 1

		Horizontal Reach	Vertical reach	Drive with a load	Cost	Need another machine?	Comments	Example
Lattice-boom on steel tracks		Excellent	Excellent	Yes (slow)	Low	No / maybe	Needs solid flat ground to drive, expect maintenance	
Fixed tower crane (hammerhead)		Very good	Excellent	Not needed / not possible	High installation cost, medium equipment cost	Maybe	Wind can be a problem, good 1-man operation	Need deep/heavy concrete foundation
Boom truck small (40-foot boom)		Poor	Medium	No	Medium	Yes...to bring logs close to building	Needs 2 men	Utility company Commander II
Boom truck larger (more than 60-foot boom)		Good to Excellent	Excellent	No	High	Yes...to bring logs close to building	Needs 2 men	Manitex 1770C / boom is behind cab
Tractor w front end loader		Poor	Limited to 10-feet	Limited	Medium	Yes, to reach interior walls, roof		Limited vertical reach
Tele handler		Medium	Medium	Yes	Medium to high	Probably	Needs solid ground	Cannot reach interior walls or roof
Skid steer		Poor	Poor	Yes, limited	Medium	Yes, to reach interior walls, roof		Limited height
Clamshell / grapple		Poor	Medium	Maybe?	Medium	Probably	1-man operation	Logging truck, or put grapple on a tele handler?
Rough terrain crane		Good	Excellent	Yes	High	No	Needs solid ground	On rubber tires
Fixed mounted rotating cranes		Good	Limited to 12-feet	No	Low	Yes...to bring logs close to building	Simple, cheap safe, several are needed, 1-man operation	https://www.mcmaster.com/products/cranes/foundation-mount-rotating-cranes-6/