

GROVE®
by **Manitowoc**

GHC

**TELESCOPING
CRAWLER CRANES**

UNSURPASSED LIFTING
SOLUTIONS FOR ANY
APPLICATION.





ENGINEERED TO MEET THE LIFTING NEEDS OF ANY PROJECT.



Grove GHC Telescoping Crawler Cranes

When the job calls for outstanding maneuverability combined with pick and carry capabilities, put a GHC Series telescoping crawler crane to work. Available in a range of capacities, these cranes offer all the lifting features you need for unsurpassed productivity on any jobsite — no matter the terrain. GHC Series cranes are ideally suited for work in wind farms; barge applications; crane assembly; highway, bridge and tunnel construction; laydown yards; large construction foundations; utilities; and other industries. Grove doesn't stop at machine performance, either. We make sure that crane operators have everything they need to be productive, including cab features that make their job easier with less fatigue. You also get a crane that is easy to transport and assembles quickly so you can get to work faster.

A GHC Telescoping Crawler Crane for any job

Built-in job versatility, outstanding reach and added productivity is yours with 100 percent pick and carry capability and high-visibility tilt cabs. Heavy-duty, triple bar and maintenance-free track shoes deliver superior maneuverability over difficult terrain; and the power to perform on any jobsite, day after day, is ensured by powerful Cummins Tier 3- or Tier 4-compliant engines.



GHC30

Features:

- > 30 t (30 USt) capacity
- > 10 m – 25,2 m (33 ft – 83 ft) three-section full-power boom
- > 13 m (42 ft 8 in) offsettable boom extension
- > Narrow dimensions for excellent maneuverability
- > Low ground bearing pressure



GHC50

Features:

- > 45 t (50 USt) capacity
- > 9,4 m – 30,4 m (30 ft 10 in – 99 ft 9 in) four-section full-power boom
- > 13 m (42 ft 8 in) offsettable boom extension
- > Compact footprint
- > Low gross vehicle weight



GHC55

Features:

- > 50 t (55 USt) capacity
- > 9,4 m – 30,4 m (30 ft 10 in – 99 ft 9 in) four-section full-power boom
- > 13 m (42 ft 8 in) offsettable boom extension
- > Compact footprint
- > Complete transport in one load



GHC75

Features:

- > 70 t (75 USt) capacity
- > 11 m – 36 m (36 ft – 118 ft 1 in) four-section full-power boom
- > 15 m (49 ft 3 in) offsettable boom extension
- > Easy to transport and completely self-rigging
- > Outstanding jobsite maneuverability



GHC130

Features:

- > 120 t (132 USt) capacity
- > 12,6 m – 40,2 m (41 ft 4 in – 131 ft 11 in) four-section full-power boom
- > 15 m (49 ft 3 in) offsettable boom extension
- > Two 5,6 m (18 ft 4 in) lattice inserts with 0,8 m (2 ft 8 in) boom head
- > Transportable to the jobsite with just three to five truckloads

"With 100 percent pick and carry, the GHC55 allows us to prefabricate the solar panels and run the crane back and forth from the trucks to where they are placed on the solar farm. The crawler tracks easily handle the terrain and the GHC's booms withstand the wind. This has increased our efficiency."

Steven Klatt
Mortenson Construction



RENEWABLE ENERGY

The renewable energy industry poses unique challenges whether you're talking about constructing wind or solar operations. Farms are often located in remote areas that are both difficult to get to and built upon rough terrain. The construction of intricate structures like solar panels requires the ability to pick, carry and assist in the panel assembly — no easy task on rough, unstable ground.

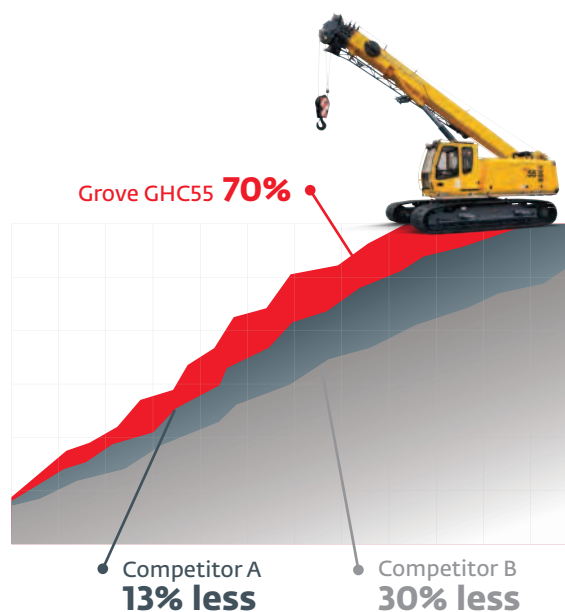
Logistical obstacles and difficult terrain are just two of the reasons why Grove GHC Series cranes are ideally suited for the growing renewable energy sector. In particular, the GHC55 is able to excel in renewable energy applications because it features the following:

- > 100 percent pick and carry
- > Built to work in winds up to 48 km/h (30 mph) with no capacity reductions
- > Lower ground bearing pressure than rough-terrain cranes
- > Quicker movement than a lattice crawler
- > Transports complete in one load with no crane assembly necessary

AN EDGE IN GRADEABILITY.

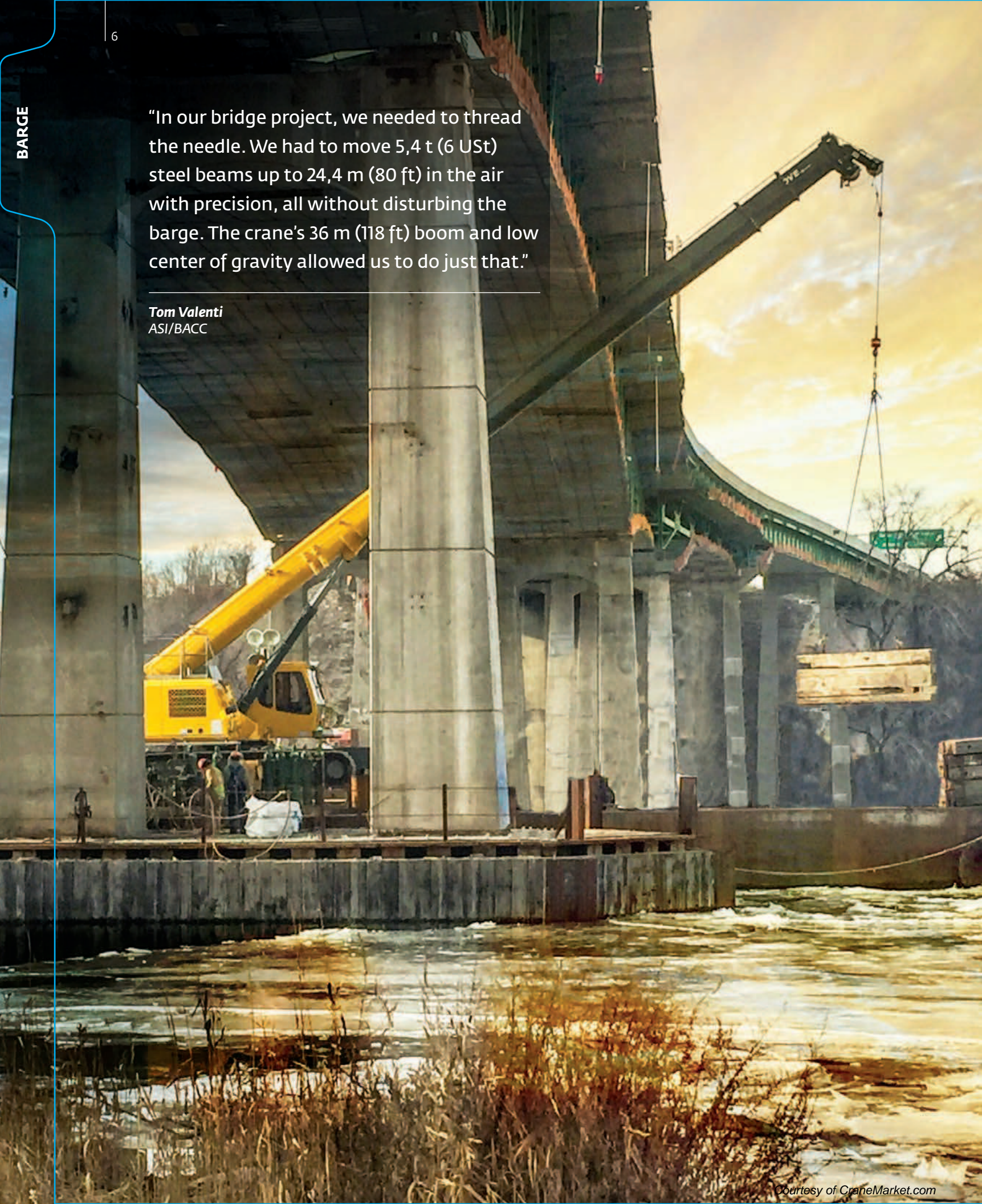
What makes the Grove GHC55 the right choice for your work in renewable energy?

For starters, it delivers best-in-class gradeability that is up to 30 percent greater than its leading competitors. This lets operators easily handle the varying terrain often encountered on the remote jobsites of wind and solar projects.



"In our bridge project, we needed to thread the needle. We had to move 5,4 t (6 USt) steel beams up to 24,4 m (80 ft) in the air with precision, all without disturbing the barge. The crane's 36 m (118 ft) boom and low center of gravity allowed us to do just that."

Tom Valenti
ASI/BACC



WORKING FROM A BARGE

Utilizing a crane from a barge is tricky business. Yet for job applications such as bridge work, sometimes there is no other choice — especially when you have to leave the bridge open to traffic during repairs. Fortunately, GHC Series cranes are perfectly suited for this challenging work. During one recent project, a GHC75 was employed to help erect structural lifting towers. The project required lifting steel beams weighing 5,4 t (6 USt) and telescoping them to 24,4 m (80 ft).

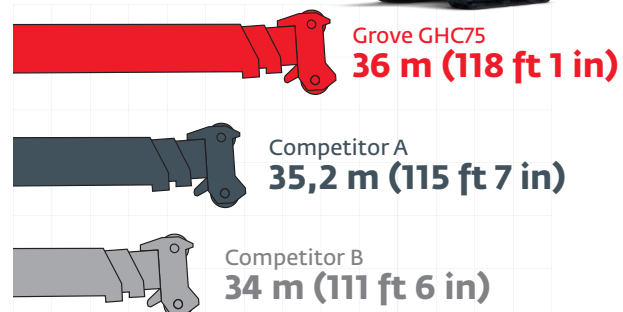
The GHC75 performed the work flawlessly because its full-power, telescopic boom allowed loads to be telescoped with a smooth, direct motion without compromising the stability of the barge. Other features that enable it to achieve unsurpassed lift results from a barge include the following:

- > Full-power telescoping boom
- > Low center of gravity for excellent stability
- > Standard barge charts for 2 degrees and 4 degrees — no special request needed
- > Compact footprint requires less space
- > Load-sensing dual axis joystick controls that provide smooth and efficient operation



LONGER BOOM.

Comparable cranes can't compete with the Grove GHC75. For starters, the full-power telescoping boom extends nearly 7 feet longer than a leading competitor to provide better reach and greater lifting versatility. That greater reach comes with greater capacity at multiple radii.



"The GHCI30 offers tremendous versatility on construction projects with multiple uses, including setting rebar cages for foundations, acting as a tail crane for blade erection on wind turbines and assisting with crawler crane setup."

Ben Graham
Kirby-Smith Machinery, Inc.



ASSIST CRANE FOR CRANE ASSEMBLY

GHC Series cranes are perfect for assisting the assembly of large lattice crawler cranes. Numerous steps in the crane assembly process can be completed more quickly thanks to the maneuverability of all GHC cranes. With their small footprint, even assembly in limited spaces can be achieved. In those situations where the off-loading truck can't get very close to the crane work area, the 100 percent pick and carry versatility of a GHC crane offers a huge advantage.

During the assembly of large lattice crawler cranes, GHC cranes make quick work of unloading transportation trailers and can assist in the installation of lattice boom sections, track side frames and counterweights. GHC Series cranes are ideal for use in crane assembly because of features that include the following:

- > 100 percent pick and carry increases efficiency when trailers cannot get close to the installation site
- > Small footprint and narrow tail swing enables installation on tight jobsites
- > No need to set up on outriggers — easy and quick maneuverability
- > Class-leading fuel efficiency with ECO mode for lower operating costs

LOW GROUND-BEARING PRESSURE.

The GHCI30 has 900 mm (36 in) wide crawler tracks covering 6,9 m (22 ft 8 in) in length, creating a no-load ground-bearing pressure of just 12.8 psi — significantly less than its leading competitors. This gives you the advantage of less time and money spent on jobsite preparation and better access to the work area.



"The Grove GHC75's controls are so responsive I can't wait to use it again. It operates much more smoothly than other hydraulic cranes I've used. When you lift a load there's hardly any drift, and the hook stops swinging right where you need it."

Zach Beckwith
R.L. Wadsworth Construction



HIGHWAY, BRIDGE AND TUNNEL CONSTRUCTION

Infrastructure is a primary area of focus in the crane industry. Highways, bridges, tunnels and even mass transit projects like a light rail have a tremendous need for high-capacity lifting tools that are capable of working in the constricted spaces often found next to busy roadways. The GHC75 can meet these needs like no other crane in the industry because of its outstanding capacity, small footprint and narrow tail swing.

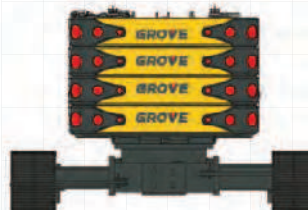
Ralph L. Wadsworth Construction worked on the project to build the 2,9 k (1.8 mi) Skyway Bridge portion of a commuter rail in Denver. The company rented a Grove GHC75 for its ability to maneuver in the narrow space between railroad tracks and a water canal on the site. The job required lifting 8,2 t (9 USt) concrete gang forms to a height of 12,2 m (40 ft). With no outriggers to set up, the GHC75 was able to move into place on heavy-duty crawler tracks and quickly get to work, saving 20 minutes per lift. Other advantages that make it the perfect crane for transportation infrastructure include the following:

- > 100 percent pick and carry — increased efficiency
- > Excellent gradeability and the ability to lift loads at up to 4 degrees of inclination
- > Small footprint and narrow tail swing — less space needed / limit or prevent the need for highway lane shutdowns
- > No need to set up on outriggers — easy and quick maneuverability
- > Full power telescoping boom provides the ability to telescope loads under low overhead obstructions

NARROWEST TAIL SWING.

The GHC75 has a compact design and narrowest tail swing that is nearly 30,5 cm (1 ft) shorter than a leading competitor, making it easier to maneuver on a jobsite with limited space. This compact design also makes the crane easier to transport to the jobsite.

TAIL SWING



Grove GHC75
4,23 m (13 ft 9 in)

Competitor A
4,45 m (14 ft 6 in)

Competitor B
4,48 m (14 ft 7 in)

The GHCI30 has a compact footprint and offers 100 percent pick and carry capabilities with superior line pull capacities. This results in class-leading maneuverability and jobsite productivity. Do more on more jobsites for increased profitability with this telescoping crawler.

LAYDOWN YARDS



LAYDOWN YARDS

GHC Series telescoping crawler cranes are the ideal lifting tool to facilitate power plant construction, beginning with the work done at a laydown yard. Large pipes, steel beams, precast concrete panels and any other large components that go into the construction project must first be unloaded from trucks or rail cars. The pick and carry capabilities of a GHCI30 crane are then incorporated in transporting the components to a stocking location in the yard, and ultimately, in lifting them during actual plant construction.

During power plant construction, the industry can take advantage of these GHCI30 features:

- > 100 percent pick and carry — increased efficiency
- > Small footprint and narrow tail swing — less space needed for unloading components
- > Two-speed hydrostatic drive — easily maneuver around jobsite obstructions
- > No outriggers, making maneuverability quick and easy
- > Low ground bearing pressure with excellent gradeability, resulting in less prep needed at the jobsite
- > Three-camera coverage, providing the operator optimal vision of the area around the crane when moving around in tight jobsites

MORE MUSCLE.

In addition to having the strongest hoist in its class, the Grove GHCI30 also delivers a class-leading permissible line pull of 12,519 kg (27,600 lb), it delivers matching line pulls on both the main and auxiliary hoists, enabling you to lift loads using fewer parts of line. This results in reduced rigging time and faster hoist speeds for increased productivity. Lifting superiorities like these can mean a serious competitive advantage, allowing you to win more bids and increase revenue.

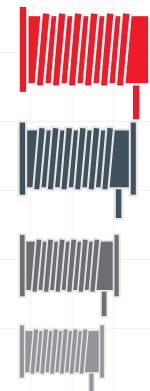
MAXIMUM HOIST LINE PULL

Grove GHCI30
18,36 t (40,488 lb)

Competitor A
10,68 t (23,560 lb)

Competitor B
10,15 t (22,380 lb)

Competitor C
8,79 t (19,400 lb)



"I went to the rental yard thinking I would be coming back with a larger lattice boom crane, but the Grove GHC75 was a better fit because its telescoping boom ensured that all lifts could be made in tight quarters."

Mike Snook
Arco Excavation & Paving

FOUNDATION WORK

Grove GHC cranes are an excellent choice for driving pile in deep foundations. With their impressive load capacities and compact design, they can maneuver around challenging jobsites better than other larger crawler cranes to deliver unsurpassed productivity.

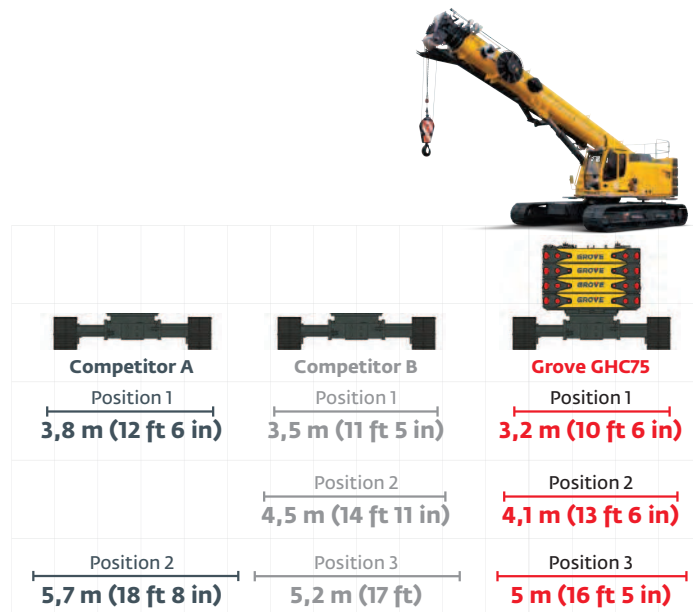
During a park restoration project in Rogers, Arkansas, Arco Excavation & Paving used a Grove GHC75 to drive pile for an elevated retaining wall. Though the terrain consisted of a work radius of about 9 m (30 ft) upon the wet, uneven soil of a creek bed, the crane's crawler tracks and compact footprint enabled it to easily maneuver over the site and operate the project's 7,7 t (8.5 USt) diesel pile hammer.

Crane operators using the GHC75 for driving pile benefit from the following:

- > Robust, heavy-duty design
- > Manufacturer approval for pile-driving work
- > Narrow track spans that allow for access to jobsites where larger cranes can't go
- > Quick to set up and travel to remote location

PILE-DRIVING SUPERIORITY.

No other crane combines capacity, durability and mobility like the GHC75. With its hydraulically extendable tracks and 900 mm (36 in) triple bar shoes it can maneuver around the most challenging jobsites. And because the GHC75 has the narrowest track spans in it's class, it provides access to constricted sites that the competition and larger crawler cranes can't reach.



All have 900 mm (36 in) track shoes

"Strong pick and carry capabilities and low ground bearing pressures make the GHC cranes ideal for utility work, in-plant work, site work and many other applications."

Dave O'Connell
Shawmut Equipment

UTILITIES



UTILITIES

Powering the world's energy supply requires ongoing construction work on substations and surrounding distribution lines. Grove GHC Series telescoping crawler cranes are ideally suited for this work. Optional attachments include an auger and pole claw to assist with off-loading, lifting and installing the 24 m (80 ft), 2268 kg (5000 lb) poles often needed in these projects. GHC cranes also deliver the class-leading mobility that is necessary on difficult terrains in remote areas.

Operator comfort and ergonomics are important in utilities work that often requires long hours in the cab. The GHC operator cab affords ample space and is equipped with an air suspension seat, color monitor for up to four cameras and precise climate control. The cab also tilts up to 20 degrees, making it easy for the operator to view all work done at high-boom angles.

GHC Series telescoping crawler cranes are perfect for utilities projects:

- > 100 percent pick and carry allows poles to be quickly moved from trucks or stocking locations to installation points
- > Ability to lift on up to 4 degrees of inclination
- > A tilt cab that provides easier visibility for short radius and long, high-boom angle picks
- > Excellent gradeability for navigating difficult terrain in remote locations
- > Electric dual axis joystick controls, sophisticated RCL and diagnostic system
- > Additional inserts and boom extensions for more reach with excellent capacities



GREATER CAPACITY AT RADIUS

The GHC55 offers class-leading capacity at maximum radius — up to 53 percent better than a leading competitor. This enhanced strength of the main boom enables you to pick and carry more, providing greater jobsite flexibility and enabling you to win more jobs for enhanced profitability.





Committed to our customers.

Manitowoc Crane Care. Your Grove GHC Series telescoping crawler crane comes with the support of the industry's most advanced crane service and support program. Manitowoc Crane Care delivers technical support, training and EnCORE — our branded rebuild, repair, remanufacture and exchange program. Get unprecedented access to expedited, ongoing care for every Manitowoc product you operate 24 hours per day, 365 days per year throughout your crane's life cycle.



Flexible, convenient financing.

Manitowoc Finance. Putting the right crane to work for you is easier with help from Manitowoc Finance. We can give you access to the flexible, affordable financing you need to seize profitable new opportunities as they arise. Acquire equipment with no cash outlay, utilizing financial tools that don't affect bank lines of credit. Get special low, competitive rates, and take advantage of flexible financing options and payment schedules that are adaptable to virtually any business need — including financing that helps you make the best use of cash reserves and compensate for seasonal business fluctuations. With Manitowoc Finance, we structure our products to put you in control.

Learn more today.

Contact your local Grove dealer, or go to **www.manitowoc.com** to learn more about Grove GHC Series telescoping crawler cranes.



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