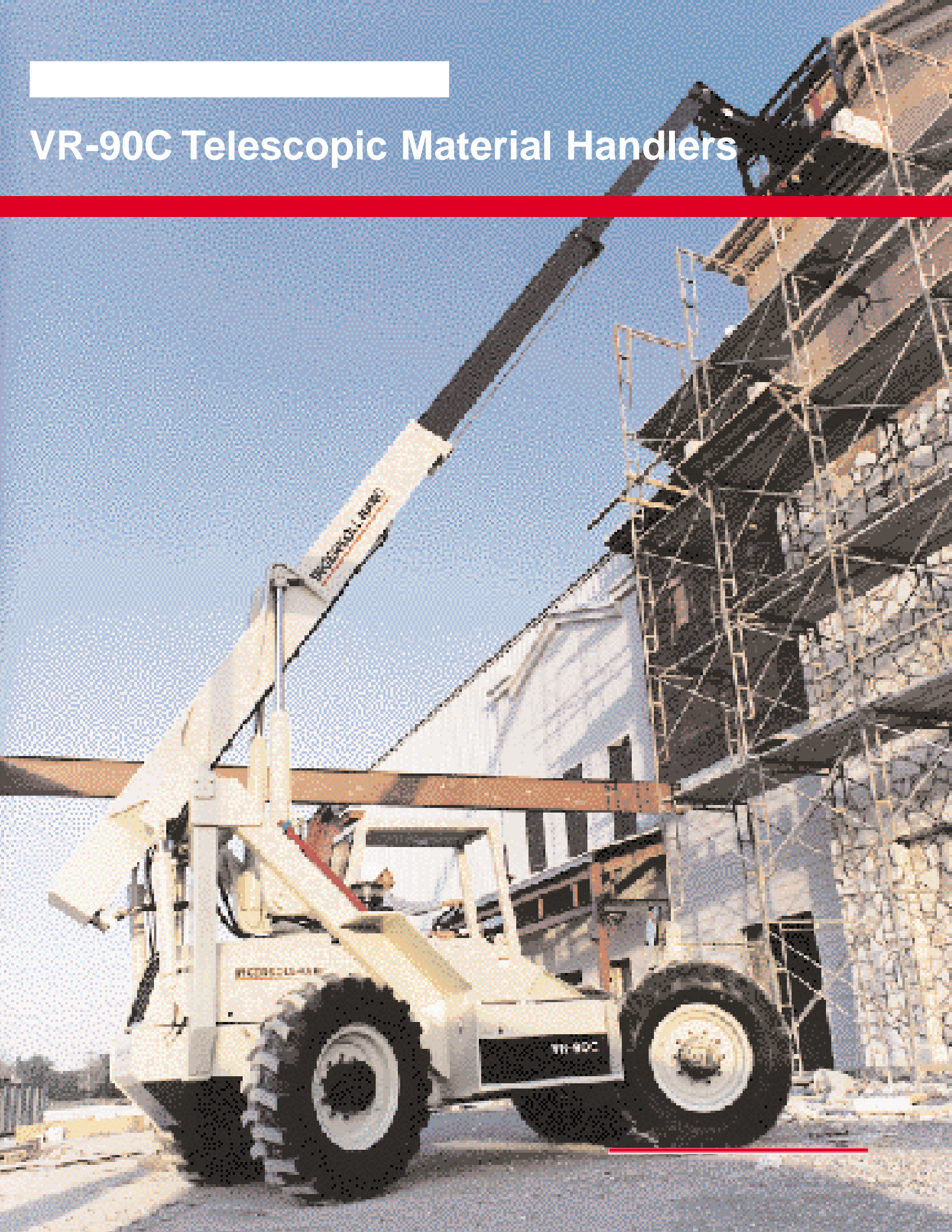


# VR-90C Telescopic Material Handlers



**The VR-90C is Ingersoll-Rand's** Rough Terrain Telescopic Material Handler offering 9,000 lb capacity and a maximum reach height of 40 feet 2 inches. The VR-90C has 25 feet 3 inches of forward reach and can place loads 5 feet 3 inches below grade which is unparalleled in the industry. This variable reach telescopic material handler is designed to meet all your material handling needs on the roughest of job sites.

**The VR-90C's operator station offers**

superior operator visibility in all directions. The control console includes a full gauge package, parking brake light indicator, directional and range controls, steer selector, cold start preheat button, and ignition switch. The VR-90C incorporates a no-drive-through parking brake system and enclosed wheel end wet disc braking system. The innovative dual pilot operated hydraulic controls allow for smooth handling and placement of loads over rough terrain operating all boom functions and frame leveling.



**A three-section telescoping boom** provides dependable variable reach and allows the forks to extend over obstacles or to reach high to pick and place loads quickly and easily. The boom has excellent lateral stability because the lift cylinders are angled inward. Wear shoes, boom cylinders, and extension chains may be removed easily without disassembling the boom. The boom's simple design and high strength equates to low maintenance and added reliability.



**The full-time 4-wheel drive** is powered by the Perkins 1004-4T Series turbo charged diesel engine. The engine is positioned low in the center of the frame between the axles, giving the VR-90C a low center of gravity through the lifting cycle, while contributing to a superb panoramic view for the operator and excellent overall service. The VR-90C meets all ASME B56.6-92 stability standards with air filled tires. The engine hoods slide open on dual tracks offering full accessibility.

## Attachments

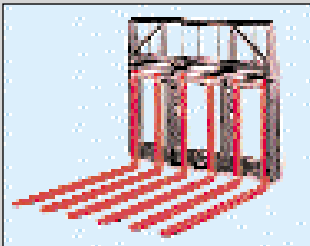
A full line of attachments may be installed by using the VR-90C's standard quick attach system. These include 48 inch, 60 inch, and 72 inch wide carriages, side tilting carriages, fork positioning carriages, truss booms, a 1.3 cu. yd. bucket, and more.



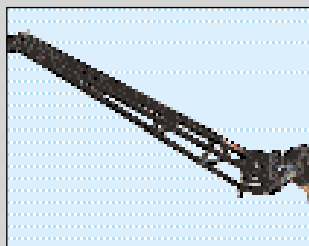
Quick Attach System



Bucket



Forks



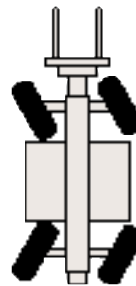
Truss Boom

## Options

- ✓ All weather cab
- ✓ Work lights package
- ✓ Full road light package
- ✓ Auxiliary hydraulics package
- ✓ 1.3 cu. yd. bucket
- ✓ 12 ft. truss boom
- ✓ Cold start aids
- ✓ Outriggers
- ✓ Pintle hitch bracket
- ✓ Engine block heater
- ✓ Wide carriage

## STEERING MODES

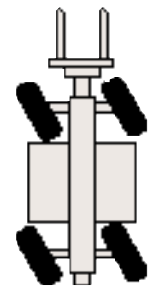
An outside turning radius of 179 inches and 3 selectable steering modes: 2-wheel, 4-wheel, and crab steer, gives the VR-90C unmatched job site maneuverability.



Coordinated



Front-wheel



Crab



## SPECIFICATIONS

### VR-90C

Max Lift Capacity	9000 lb.
Max Height	40' 2"
Max Forward Reach	25' 3"
Overall Length (less forks)	215.3 in.
Overall Width	97.5 in.
Overall Height (min.)	120 in.
Engine	Perkins 1004-4T
Drive Train	4WD
Service Brakes	4-Wheel enclosed wet disc
Tires	13.00 x 24 PR
Outside turning radius	179 in.
Travel Speed	15.9 mph
Operating Weight	23,795 lb.

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**Road Machinery Division**

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