Bailey | Engineered Access & Lifting

COMPACT HANDLER



CH 4 OMNI

Compact Handler

ENGINEERED ACCESS & LIFTING

Hook and panel lifter.

Attachments pin into the boom tip. Auto-detect identifies the attachment installed and sets the load parameters.



Hook
4,000 lb max



Panel lifter
1,100 lb

Man basket, jib and forks.

Each pins into the boom tip. Load charts are available upon request.

Man basket

Lifts a worker to the job.

Needs the Enhanced Stability Package.



Jib

Extends the hook out past the boom tip.



Forks

Pallet forks for material handling.



Other attachments are available. See baileycranes.com.

Machine specifications.

Three-section boom, two telescoping, plus a manual pull-out. All electric. Two drive wheels steer; two casters follow.

4,000 lb
MAX CAPACITY

18′
MAX HORIZONTAL REACH
PULL-OUT EXTENDED

28′
MAX HOOK HEIGHT · VERTICAL
BOOM AT 70°,
FULLY EXTENDED

70°
MAX BOOM ANGLE
ABOVE HORIZONTAL

48 V
ALL ELECTRIC

1.75 mph
DRIVE SPEED, UP TO

SPECIFICATIONS

Boom	3 sections · 1 fixed, 2 telescoping · manual pull-out
Horizontal reach	about 18′ from the front of the tire, pull-out extended
Boom angle	−14° to 70° from horizontal
Power	48 V electric
Drive	2 wheels · hydraulic motors
Drive speed	up to 1.75 mph (2.8 km/h)
Steering	2 drive wheels steer · 2 casters follow
Steering modes	spin, crab, 2-wheel
Brakes	2 · spring applied · hydraulic release
Weight	4,100 lb without battery · 5,250 lb with

CONTROLS & SAFETY

Rated load limiter
Shows boom angle, horizontal reach, current load and max capacity.

Attachment auto-detect
Sets the load parameters for the attachment installed.

Redundant control
Two processors: the second checks the sensors and the first.

Overload cut-out
Over capacity, boom raise and boom extend stop.

Radio remote
2.4 GHz. Drive, steer and boom functions with E-stop.

Collision avoidance
Option. A keep-out zone stops all movement.

Moves in any direction.

Two drive wheels steer; two casters follow. Spin in place, walk sideways or drive on a diagonal without turning the machine.



WATCH VIDEO · 0:42

Spin

Turns on its own axis. No repositioning.

Crab

Walks sideways through tight corners.

Diagonal crab

Crab mode on a diagonal: walks diagonally (drive wheels at 45° in the video). Heading unchanged.

360°
SPINS IN PLACE

3
STEERING MODES · SPIN, CRAB, 2-WHEEL

1.75 mph
DRIVE SPEED, UP TO

Hook

4,000 lb RATED CAPACITY

CH 4 OMNI · Hook

RAISE & LOWER

↑ BOOM **+30°**

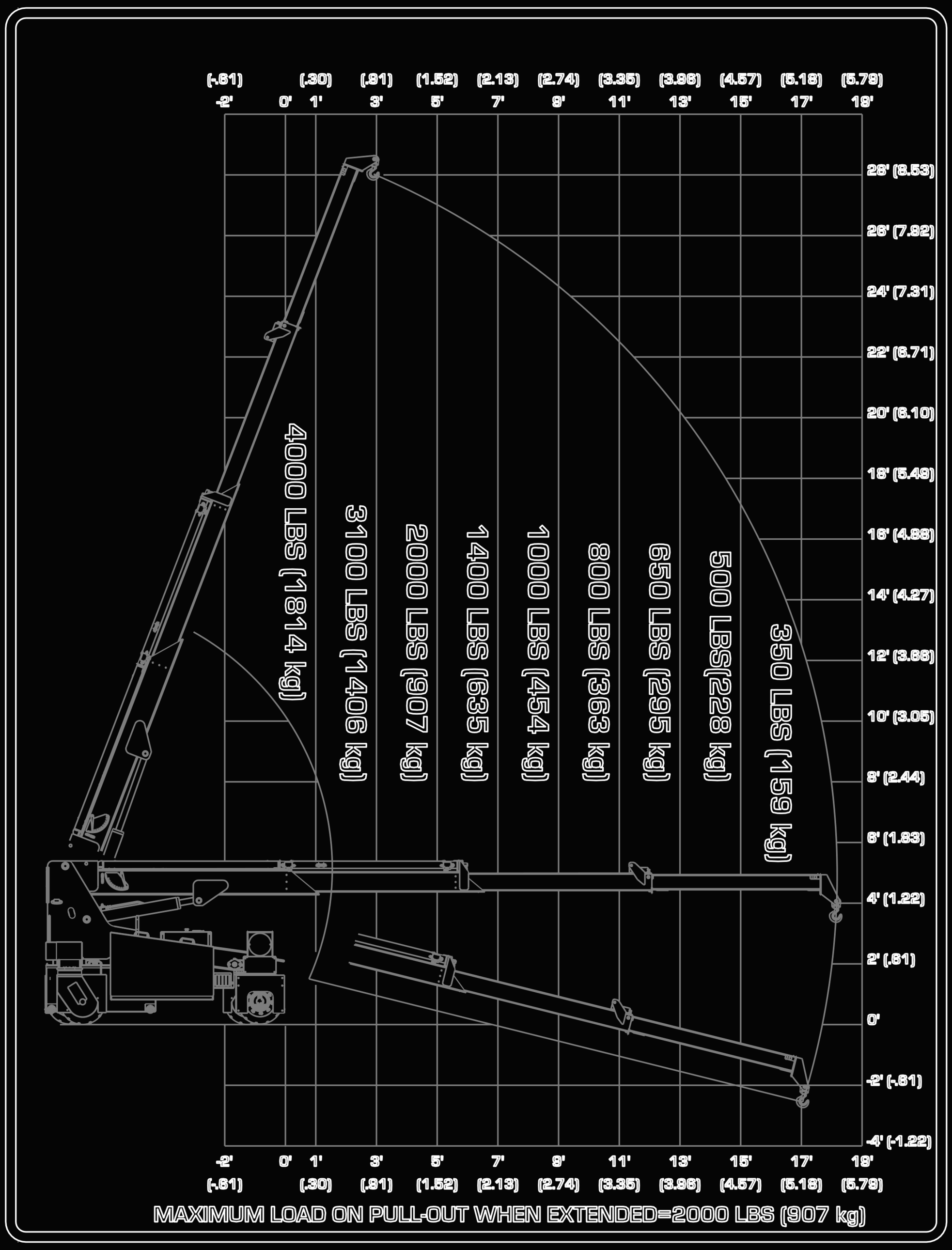
The hook hangs plumb as the boom raises and lowers



WATCH VIDEO · 0:11

Pins into the boom tip. 4,000 lb close in, 350 lb at full horizontal reach. Up to 2,000 lb on the extended pull-out.

HOOK



Rated capacity by horizontal reach (across, from the front of the tire) and vertical height (up). The rated load limiter shows the capacity at the current boom position.

Panel lifter

1,100 lb RATED CAPACITY

CH 4 OMNI · Panel lifter

AUTO-LEVEL

↑ BOOM	+30°
↓ TIP TO BOOM	−30°
PANEL	0° · LEVEL

The tilt arm keeps the panel level as the boom moves

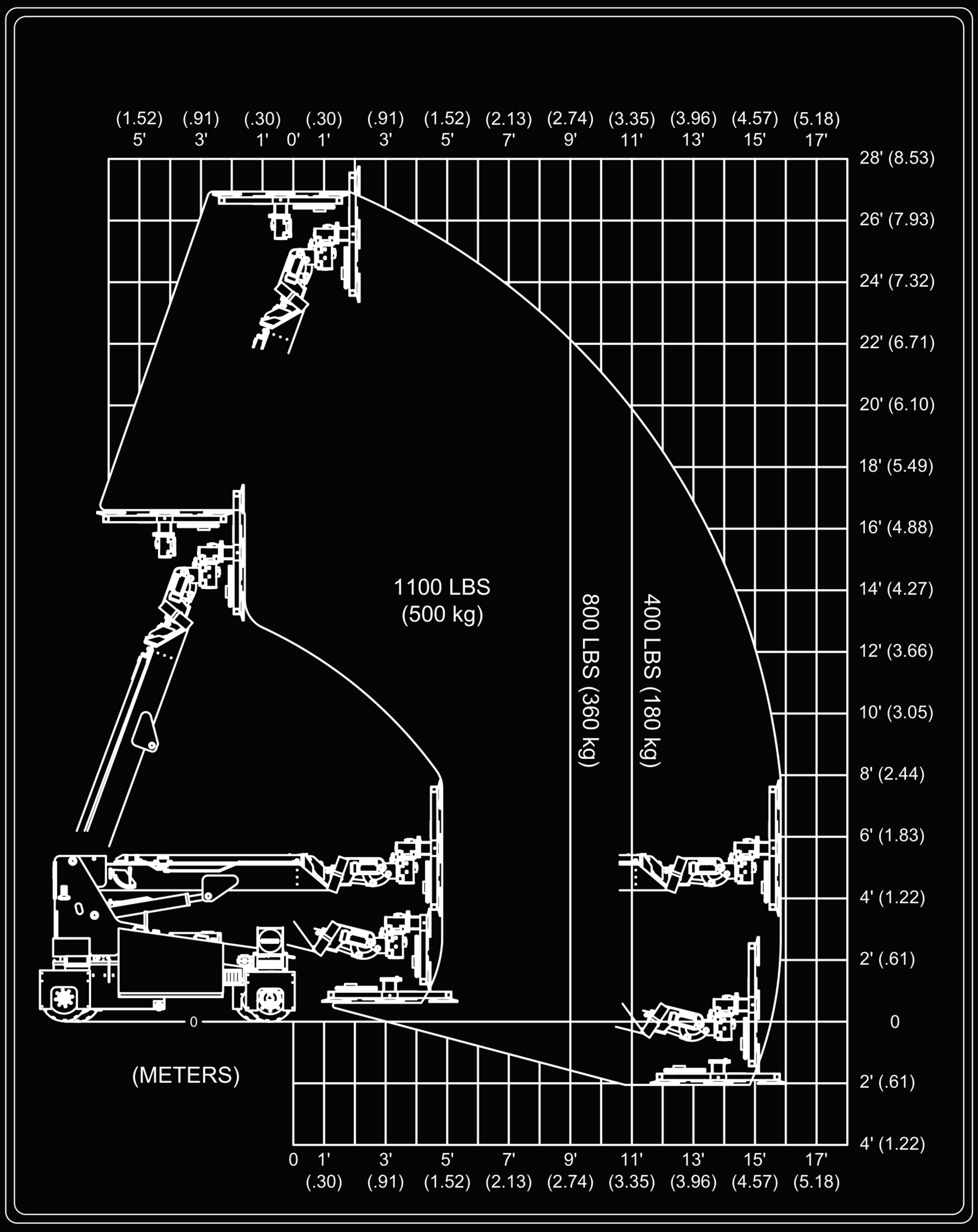


Panel lifter
up to 1,100 lb

WATCH VIDEO · 0:11

Eight vacuum pads for insulated metal panels. Wrist 180° (90° each way). Panel spin 180° standard, 350° available.

PANEL LIFTER



Rated capacity by horizontal reach (across, from the front of the tire) and vertical height (up). The rated load limiter shows the capacity at the current boom position.

Man basket

500 lb RATED CAPACITY

CH 4 OMNI · Man basket

AUTO-LEVEL

↑ BOOM	+30°
↓ TIP TO BOOM	−30°
BASKET	0° · LEVEL

The basket stays level as the boom moves



WATCH VIDEO · 0:11

Man basket
up to 500 lb

Lifts a worker to the job. The powered boom tip keeps the basket level as the boom moves. Needs the Enhanced Stability Package.

Jib

Load chart available upon request.

CH 4 OMNI · Jib

AUTO-LEVEL

↑	BOOM	+30°
↓	TIP TO BOOM	−30°
	JIB	0° · LEVEL

The jib stays level as the boom moves



WATCH VIDEO · 0:11

Extends the hook out past the boom tip. The powered boom tip keeps the jib level as the boom moves.

Forks

Load chart available upon request.

CH 4 OMNI · Forks

AUTO-LEVEL

↑ BOOM	+30°
↓ TIP TO BOOM	−30°
FORKS	0° · LEVEL

The forks stay level as the boom moves



Forks

WATCH VIDEO · 0:11

Load chart available upon request.

Pallet forks for material handling. The powered boom tip keeps the forks level as the boom moves.

Level at any boom angle.



Man basket



Jib



Forks

Shown with the boom raised to 60° above horizontal. Load charts are available upon request.

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Let's get to work.

Tim Cooley

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Specifications subject to change