



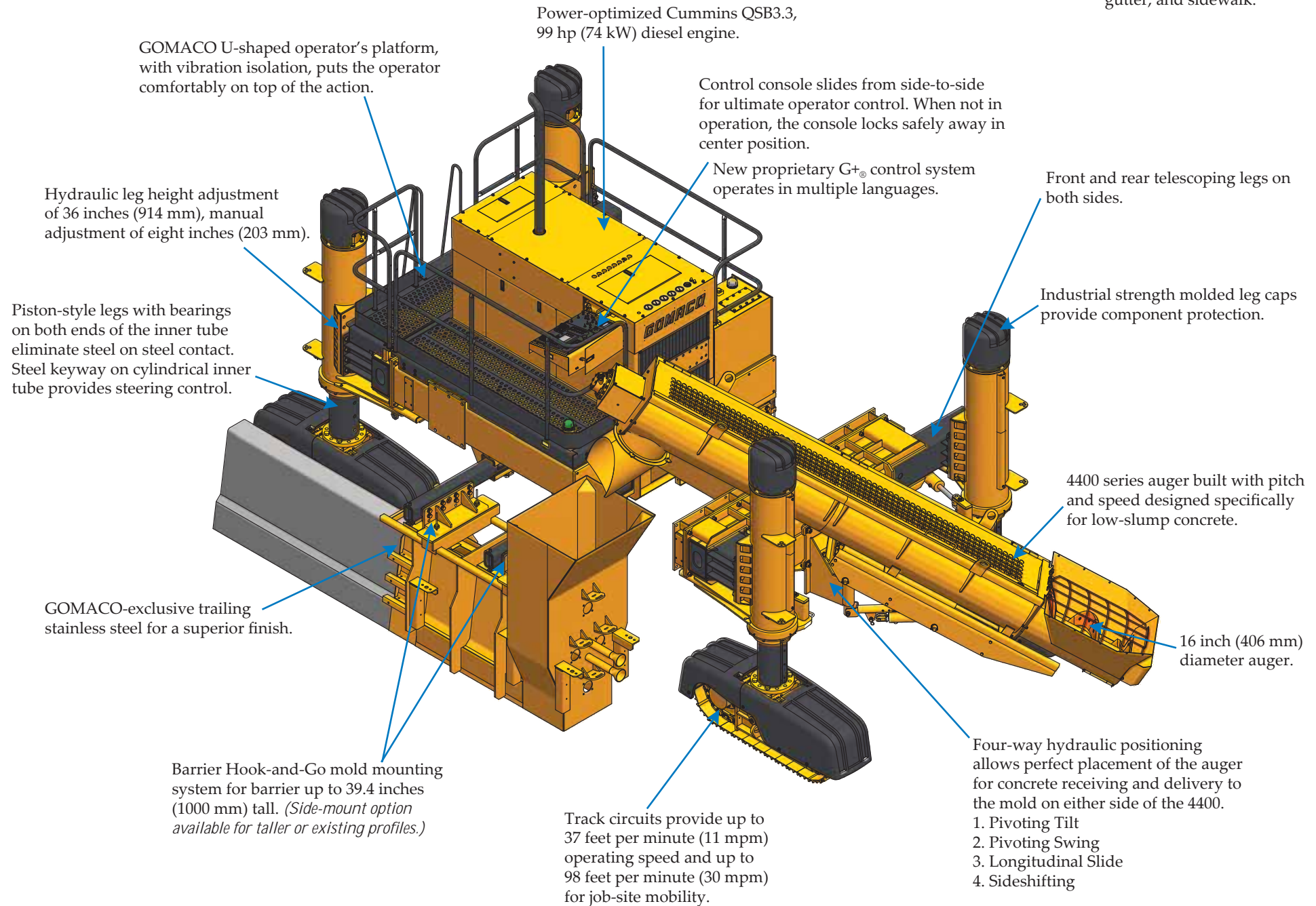
# 4400 BARRIER PAVER

**GOMACO**<sup>®</sup>

*The Worldwide Leader in Concrete Paving Technology*

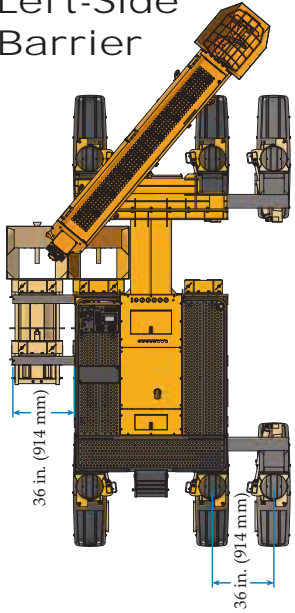
# 4400 Barrier Paver: True Right-Side and Left-Side Slipforming

Optional molds available for barrier, parapet, curb and gutter, and sidewalk.





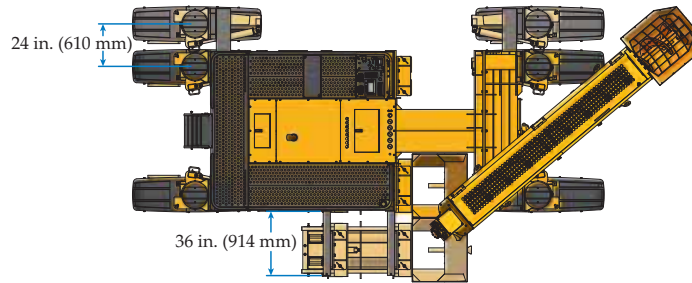
## Left-Side Barrier



## Versatility with Leg Placement and Mold Positioning Options–

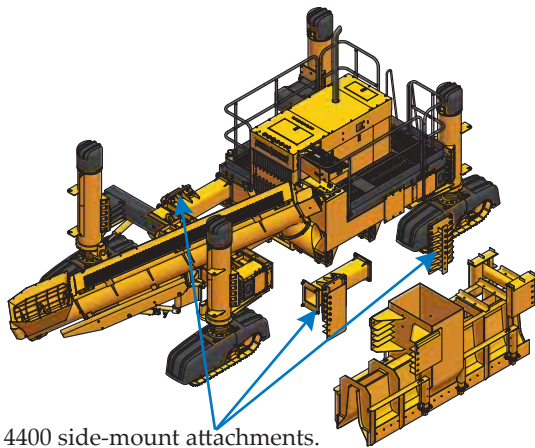
Both of these drawings illustrate the maximum amount of seshift available on the 4400's barrier mold and tracks in either the right-side or left-side pour configuration. The hydraulic mold mounting beams telescope on the right or left side up to 36 inches (914 mm).

## Right-Side Barrier

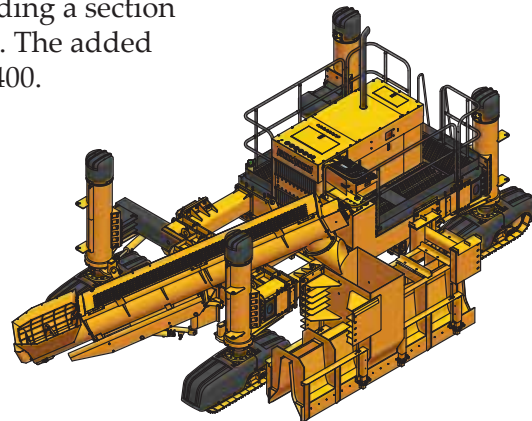


## Versatility with Attaching the Mold–

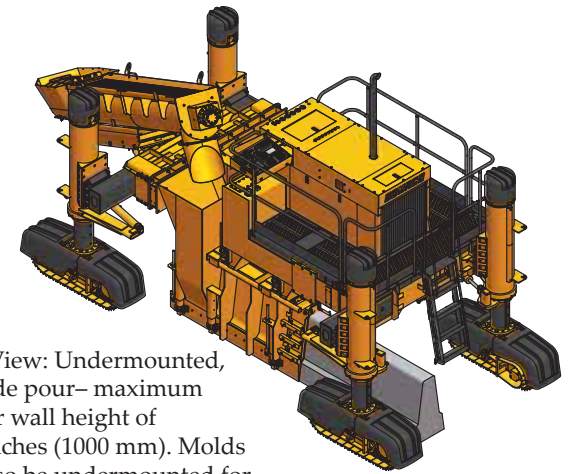
Taller or existing barrier molds can be utilized on the 4400. Side-mounting adaptors for the molds include adding a section of framework and adaptor flanges (shown below). The added sections allow these molds to be attached to the 4400.



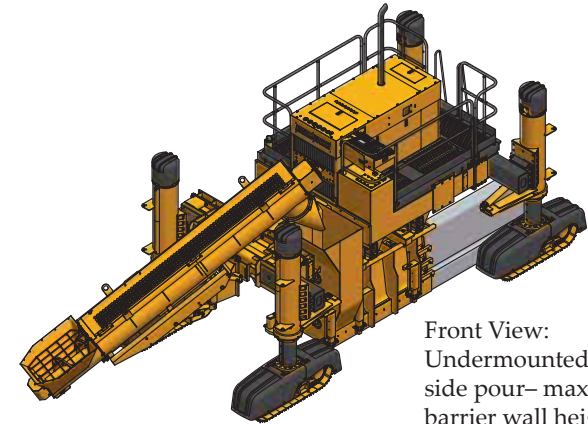
4400 side-mount attachments.



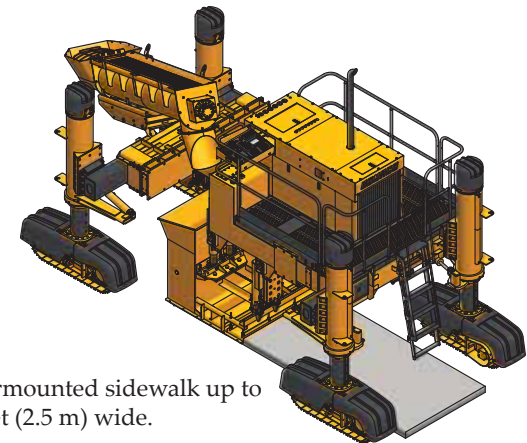
Left-side pour, with side-mounting attachments for barrier wall over 39.4 inches (1000 mm) tall or existing barrier molds.



Rear View: Undermounted, left-side pour– maximum barrier wall height of 39.4 inches (1000 mm). Molds can also be undermounted for right-side pours.



Front View: Undermounted, left-side pour– maximum barrier wall height of 39.4 inches (1000 mm).



Undermounted sidewalk up to 8.2 feet (2.5 m) wide.





CG-071217-D1

The 4400 uses 3D stringless technology to slipform a barrier.



CG-10219-D7

The hydraulic system design of the 4400, along with the effectiveness of load-sensed pumps, proportional solenoids, and the G+® control system, helps to optimize fuel efficiency for a minimum of 18 hours of operation per tank.



CG-041116-D7

The 4400 barrier paver slipforms a 19.7 inch (500 mm) tall U-channel, below grade, and next to an existing road.





CG-041228-D4

The 4400 slipforms left-side mount barrier wall next to traffic.



CG-041228-D3

The 4400 paves a sidewalk with finishers applying a hand-broomed texture behind the machine.



CG-051101-D4

CG-051101-D5

The 4400 slipforms a 19.7 inch (500 mm) slot drain. The photo to the right shows the view from the top of the 4400 looking down on the new slot drain.



# G+® Controls – Positively Simple!

## GOMACO's Exclusive Proprietary Software And Control System

The 4400 barrier paver features the exclusive GOMACO G+ control system with self-diagnostics for grade and steering. It is able to operate in multiple languages, by customer choice, and offers metric or imperial measurements. The G+ control system has been designed in-house by GOMACO's control experts. It features new and easy-to-operate hardware with steering and travel dials. The elevation jog buttons, located to the left of the display screen, are used to manually change the elevation of the leg when the control loop is set to manual mode. The steering jog buttons, located above the display screen, are used to manually change the steer direction of the leg when the control loop is in the manual mode. A full color display on the control panel illustrates the various aspects of the paver for set up and operation.



EG-011301-D10



# 4400 Specifications –

## ENGINE

**Type:** Turbocharged diesel.

**Model:** Cummins QSB3.3.

**Power:** 99 hp (74 kW) at 2200 rpm.

## SERVICE CAPACITIES

**Fuel Reservoir:** 100 gal. (378.5 L).

**Fuel Efficiency:** Hydraulic system design with the effectiveness of load-sensed pumps, proportional solenoids, and the G+ control system optimize fuel efficiency for a minimum of 18 hours of operation per tank.

**Hydraulic Oil Reservoir:** 150 gal. (567.8 L).

## AUTOMATIC CONTROL SYSTEM

**Type:** Electronic-over-hydraulic.

**Controls:** GOMACO's proprietary G+ control system.

**Display:** Full-color display provides diagnostics and feedback with multiple language capability.

## HYDRAULIC SYSTEM

**Pumps:** Three axial piston, load-sensed pumps; one axial piston, pressure-compensated pump; one open-loop gear pump.

**Oil Cooling:** Integrated with engine cooling package using hydraulic, variable speed fan.

**Filtration:** Two 10 micron tank return filters, one 10 micron high-pressure filter, two 100 mesh suction strainers.

## VIBRATORS

**Type:** Hydraulically powered, motor in head.

**Control:** Variable speed, independent control synchronized with machine movement.

**Quantity:** Six hydraulic circuits and four hydraulic vibrators included standard.

## SLIPFORM MOLD

Optional molds available for barrier, parapet, curb and gutter, and sidewalk.

## MOLD DRAWBAR AND HOLD-DOWN ASSEMBLY

Barrier Hook-and-Go mold mount for either left-side or right-side barrier included.

**Hydraulic Sideshift:** 36 in. (914 mm).

## CHARGING AUGER

**Drive:** Direct drive via radial piston hydraulic motor.

**Length:** 15 ft. (4.57 m).

**Auger Diameter:** 16 in. (406 mm).

**Auger Speed:** Variable up to 116 rpm.

**Auger Mount:** Features hydraulic positioning in four directions, including: pivoting tilt, pivoting swing, longitudinal slide and sideshifting.

**Wear Surface:** Features replaceable auger flight liners.

## WATER SYSTEM

**Type:** High-pressure water pump, hydraulically driven.

**Capacity:** 100 gal. (378.5 L).

## TRACK SYSTEM

**Type:** Four hydraulically powered, gear-driven crawler tracks.

**Overall Track Length:** 5.12 ft. (1.56 m).

**Sprocket Center to Idler Center Length:** 40 in. (1016 mm).

**Track Pad Width:** 11.8 in. (300 mm).

**Gearbox Reduction:** 100:1.

**Track Speed:** Up to 37 fpm (11 mpm) in paving mode. Up to 98 fpm (30 mpm) in transport mode.

**Track Tension:** Fully automatic, hydraulically controlled.

**Leg Height Adjustment:** 36 in. (914 mm) hydraulic, 8 in. (203 mm) manual.

**Telescoping Framework for Hydraulic Track Positioning:** 36 in. (914 mm) right-front and right-rear; 24 in. (610 mm) left-front and left-rear.

## SHIPPING

**Height:** 8.4 ft. (2.56 m).

**Length:** 27.5 ft. (8.38 m).

**Width:** 7.6 ft. (2.32 m).

**Weight:** approximately 30,000 lb. (13,608 kg).

**(Shipping requirements may vary depending on machine configuration.)**

## OPTIONS

**Legs:** 42 in. (1067 mm) stroke available.

**Vibrators:** two additional circuits available for up to eight total.

**Auger:** extended auger available for larger barrier applications.

**Mold Mounts:** side mount available for either left-hand or right-hand pour.

**Mold Mounts:** quick-attach drawbar, hold-down for mounting sidewalk or curb molds.

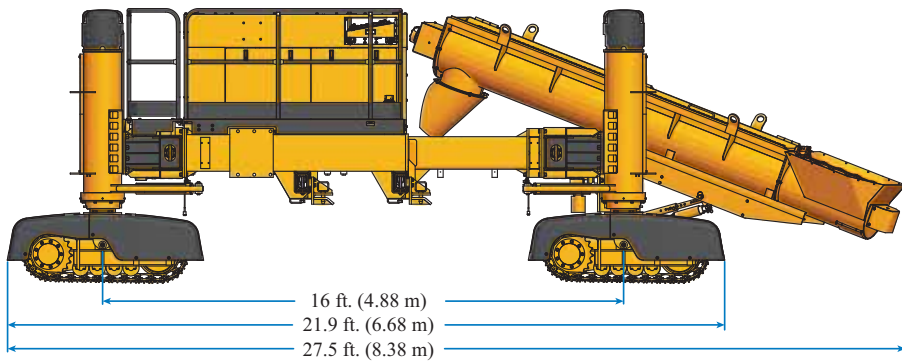
**Molds:** various barrier, parapet, sidewalk, and curb molds built to specifications.

**Mold Options:** various mold options available including hydraulic sideplates, sidewalk auger, curb depressors, etc.

**Tracks:** polyurethane track pads available.

Other options are available to customize the machine to accommodate customer needs.

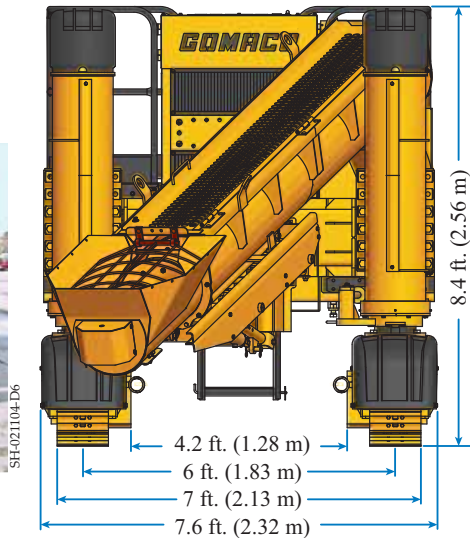




## Shipping Dimensions—



The 4400 is loaded into a container for shipping.



The 4400's U-shaped operator's platform, with vibration isolation, puts the operator comfortably on top of the action. The U-shaped platform and side-to-side sliding console accommodate right-side and left-side pour and provide a 360 degree view of the entire paving operation.

Cover photo: CG-011111-D15

Manufactured under one or more of the following U.S. or foreign patents: 5,190,397; 5,209,602; 5,924,817; 5,941,659; 6,099,204; 6,450,048; 2,211,331; 2,069,516; 7,044,680; 7,284,472; 7,517,171; 7,845,878; 7,850,395; and patents pending.

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You can always find us at: <http://www.gomaco.com/4400>



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**European Headquarters**  
GOMACO International Ltd. is located  
in Witney, England.

GOMACO has a worldwide distributor  
network for sales and service.

## -- DESIGNED FOR SAFETY --

The 4400 is carefully designed to give years of dependable and safe service. The emergency stop buttons are on the operator's console, and on corners of the machine, which are easily accessible from the ground level. Another safety feature is a backup alarm, which is designed to alert personnel around the machine when the tracks are set to operate in reverse. Other safety features include track guards, warning decals, an operator's manual, and a safety manual.

**GOMACO CORPORATION RECOMMENDS THE  
IMPLEMENTATION OF ALL SAFETY PROCEDURES.**



GOMACO Corporation's Quality Management System Is  
ISO 9001:2008 Certified By The American Systems Registrar.

Quality Policy: We Shall Meet Or  
Exceed Our Customers' Expectations.

