

# **COMMANDER II**

**TRIMMER / SLIPFORM PAVER**



# **GOMACO**

*The Worldwide Leader in Concrete Paving Technology*

## GOMACO VERSATILITY

Commander II versatility is achieved with GOMACO engineering and design.

The two-track design has built-in versatility for handling multi-application slipform paving projects.

The GOMACO Commander II will easily convert from project to project with applications such as curb and gutter, barrier, bridge parapet, irrigation canal, sidewalk, bicycle path, shoulders and more.

## GOMACO PRODUCTION

The Commander II utilizes the patented simultaneous trim/pour concept, designed for maximum versatility and high production.

This design provides a more accurate concrete yield and high single-pass production.

The Commander II is designed to simultaneously trim and pour up to 36 in. (914 mm) wide and will pour up to 60 in. (1,524 mm) wide.

The internal trimmerhead drive on the Commander II minimizes side clearance requirements.

The sectionalized trimmerhead has side-shifting capabilities of up to 48 in. (1,219 mm). The Commander II is powered by a 92 hp (68.6 kW) diesel engine that provides ample power while assuring an efficient operation.

## GOMACO MOBILITY

A major consideration in design is to allow for quick and easy job-to-job mobility. The Commander II will transport at legal width, only 8 ft. 5.6 in. (2.58 m), by simple removal of the mold.

The Commander II has excellent operational mobility with simultaneous trimming and pouring at operating speeds up to 30.8 fpm (9.4 mpm).

The Commander II has a travel speed of 54.7 fpm (16.7 mpm).



CG-049004-C-B

The Commander II handles a 5 ft. (1.52 m) radius slipforming curb. The side mounted design provides minimum side clearance. The Commander II utilizes the patented simultaneous trim/pour concept which maximizes efficiency and assures nearly 100 percent concrete yield.



CG-078604-19A-B

More versatility with the mold centermounted between the two tracks, the contractor slipforms a 7 ft. (2.13 m) wide shoulder on this project. The 2.5 ft. (.76 m) hydraulic side adjustment for the right track provides stability and clearance for the centermounted mold when slipforming wider widths.



15A-84-4-S-B

Another application for the Commander II is slipforming monolithic sidewalk. On the project, the Commander is slipforming a 4 ft. (1.22 m) wide monolithic sidewalk and valley gutter through a radius and minimum clearance with obstacles like the fire hydrant pictured above.



CG-100207-15A-B

Median barrier and bridge parapet are two more of the many applications where the Commander II provides a quality product. Maximum barrier and parapet heights of 2 ft. 8 in. (.81 m) can be achieved.

## GOMACO QUALITY

GOMACO has the highest standard of quality in the industry with skilled personnel producing state-of-the-art machines.

GOMACO equipment is built to last in construction job-site conditions.

GOMACO equipment is known for frame thickness, weight and design, engineered and manufactured under strict quality control to provide superior paving performance.

GOMACO quality is proven performance and dedication to customer satisfaction for four decades.

## GOMACO PROVIDES CUSTOMER SUPPORT

Producing a superior quality product is only part of the job at GOMACO.

Equally important is providing customer support. An extensive support network of sales, parts and service is designed to help you do your job more easily and efficiently.

GOMACO district managers and a worldwide distributor network of sales and service specialists will assist you in choosing the right GOMACO machine to fit your needs.

A fully staffed service department is on call to help you set up, operate your machine and check its performance.

GOMACO University is also available for hands-on instruction, providing a valuable learning experience. When an operator completes a training course at GOMACO University, he knows our machines inside and out.

GOMACO Corporation is people... providing ideas, products, support and training that has made us the leader in the concrete construction industry.

GOMACO's support team is pledged to supply you with what you need, when you need it. At GOMACO, our customers are number one.

EG-049007-11-B



## Sectionalized Trimmerhead

A standard feature for the Commander II is the sectionalized trimmerhead. A 30 in. (762 mm) wide trimmerhead with 12 in. (305 mm) and 18 in. (457 mm) extensions, provide a 60 in. (1,524 mm) sectionalized trimmerhead with right-hand or left-hand discharge available and sideshifting capabilities of 48 in. (1,219 mm) maximum.

EG-059011-14A-B



## Dependable Conveyor

The conveyor is built with long lasting rollers and a trough design to place concrete in the middle of the conveyor for an accurate flow of concrete to the mold, to assure concrete yield.

EG-059011-10A-B



## Conveyor Boom For Easy Transport

The Commander II conveyor boom allows the operator to move the conveyor and pick up the mold for loading or unloading from a truck for quick transport.



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## User-Friendly GOMACO Controller

Standard on the Commander II is the unique GOMACO controller. This revolutionary system is designed to improve, enhance, create and expand the machine's operating system.

The user-friendly GOMACO controller has been proven to offer the operator push-button ease in setup, troubleshooting, and monitoring during the entire paving operation. A single switch sets controls for automated control with machine traveling in reverse. The electronic-over-hydraulic controller system features self-diagnostics for grade, steering, and cross-slope controls, providing paving accuracy and ease of operation. Gauges allow the operator to monitor the control signals as the machine follows stringline. All display modules are backlit for enhanced readability in sunlight and under low lighting conditions.

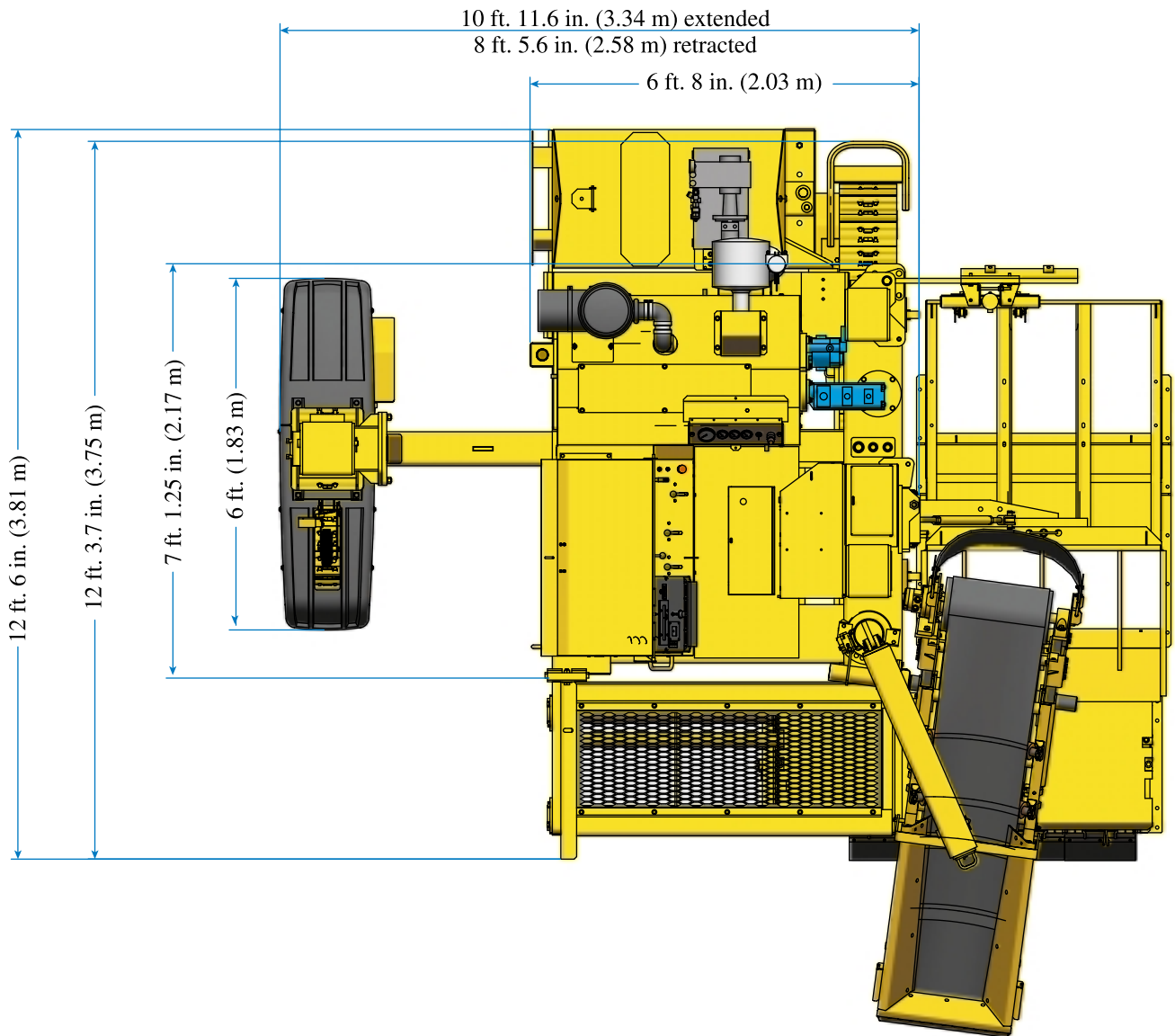
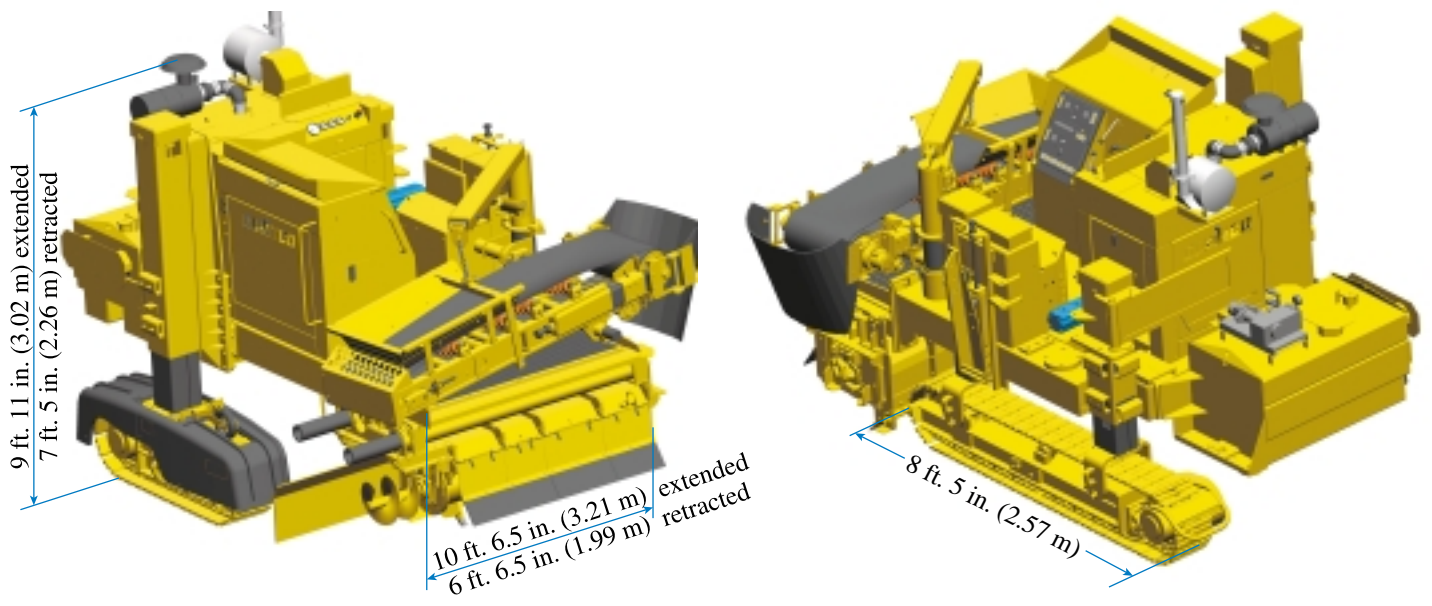


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## Track Versatility Provides Accuracy

Another feature on the Commander II is the hinged left track. The hinged track allows the machine to make less adjustment when an obstacle lies in the track path. The hinged track provides a more accurate product during the slipforming operation. Another feature is the 2.5 ft. (.76 m) hydraulic side adjustment for the right track, providing stability and clearance for the centermounted mold when slipforming wider widths.

Also, track tensioning is fully automatic and hydraulically locks in on machine start-up, maintaining a steady tension of the track chain.



# COMMANDER II SPECIFICATIONS

## ENGINE

**Type:** Turbocharged diesel.

**Power:** 92 hp (68.6 kW) @ 2100 rpm.

## SERVICE CAPACITIES

**Fuel reservoir:** 40 gal. (151.4 L), locking cap.

**Hydraulic oil reservoir:** 85 gal. (321.7 L).

## HYDRAULIC SYSTEM

**Pumps:** One triple-stage main pump provides 72 gpm (272.5 Lpm) @ 2100 rpm. One control circuit pump provides 11 gpm (41.6 Lpm) @ 2100 rpm.

**Hydraulic oil cooling:** Air-to-oil cooler mounted in front of engine radiator to cool trimmer circuit oil.

**Filtration:** One 10 micron return line filter, one 10 micron control circuit filter, two 100 mesh reusable magnetic sump strainers on main pump and one 100 mesh suction strainer for control circuit pump.

## VIBRATORS

**Type:** Hydraulically powered, motor-in-head, variable speed, independently controlled.

**Quantity:** Four hydraulic circuits and two hydraulic vibrators with mounts included with each machine.

## SLIPFORM MOLD

**Curb and gutter mold:** One mold standard, up to 36 in. (914 mm) wide. Optional molds available for curb and gutter, barrier, parapet and sidewalk.

## AUTOMATIC CONTROL SYSTEM

**Type:** Electronic over hydraulic.

**Controls:** Proportional control system with grade, steering and cross-slope controls.

**Control indicators:** Panel-mounted auto control gauges allow operator to monitor control signals as machine follows stringline.

**Reverse auto control:** Single switch sets controls for automated control with machine traveling in reverse.

## TRACK SYSTEM

**Type:** Two hydraulically powered gear-driven crawler tracks.

**Overall track length:** Left track (hinged), 8 ft. 5 in. (2.57 m); right track, 6 ft. (1.83 m).

**Center-to-center sprocket/idler length:** Left track (hinged), 6 ft. 10.5 in. (2.1 m); right track, 3 ft. 4.5 in. (1.03 m).

**Track pad width:** 11.8 in. (300 mm).

**Gearbox reduction:** 36.6:1.

**Track speed:** 30.8 fpm (9.4 mpm); auxiliary @ 54.7 fpm (16.7 mpm).

**Ground pressure:** 12 psi, based on 17,000 lb. (7,711.2 kg) machine.

**Track height adjustment:** 20 in. (508 mm) hydraulic adjustment on left track, 30 in. (762 mm) hydraulic adjustment on right track with 16 in. (406 mm) manual adjustment on right track.

**Right track side adjustment:** Extends up to 30 in. (762 mm) hydraulically.

## SUBGRADE TRIMMER (Sectionalized)

**Sectionalized trimmer:** Internal hydraulic drive system and 24 in. (610 mm) diameter trimming wheel.

**Trimmer wheel rotation:** Upward cut.

**Width:** 30 in. (762 mm) with 12 in. (305 mm) and 18 in. (457 mm) extensions provide a 60 in. (1,524 mm) sectionalized trimmerhead with right-hand or left-hand discharge available.

**Sideshift distance:** 22 in. (559 mm) with 30 in. (762 mm) wide trimmer. Add 1 in. (25 mm) of sideshift per 1 in. (25 mm) of additional sectional trimmer width to a maximum of 48 in. (1,219 mm) sideshift.

## CHARGING CONVEYOR

**Type:** Hydraulically powered, reversible with charging hopper.

**Length:** 6 ft. (1.83 m) between pulley centers.

**Width:** 20 in. (508 mm).

**Belt speed:** Variable up to 350 fpm (106.68 mpm).

**Conveyor mount:** Pivot mounting for side adjustments. Hydraulic powered height adjustment.

**Boom:** Hydraulically powered, for loading and unloading mold for quick transport.

## DIMENSIONS

**Overall length:** 12 ft. 6 in. (3.81 m).

**Overall height:** 7 ft. 5 in. (2.26 m) minimum and 9 ft. 11 in. (3.02 m) maximum.

**Overall width:** 8 ft. 5.6 in. (2.58 m) transport width.

**Maximum standard pouring width:**

60 in. (1,524 mm).

**Maximum barrier and parapet height:**

32 in. (813 mm).

**Trimmer cutting width:** 60 in. (1,524 mm).

**Radii:** To 5 ft. (1.52 m).

## WATER SYSTEM

**Type:** Hydraulic motor driving centrifugal pump.

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

**Water pressure:** 60 psi.

## WEIGHTS

**Prime mover:** 13,630 lbs. (6,182.6 kg).

**Trimmer assembly:** Add 2,300 lbs. (1,043.3 kg).

**Mold:** Add 400 lbs. (181.4 kg).

**Belt conveyor assembly:** Add 830 lbs. (376.5 kg).

**Water tank and water pump:** Add 2,750 lbs. (1,247.4 kg) dry weight.

**Total weight:** 20,000 lbs. (9,072 kg).

## OPTIONS

Additional vibrator and mount.

Left-hand discharge trimmer and special widths, consult factory.

High-pressure water system.

2 ft. (.61 m) concrete charging conveyor extension.

Barrier side mount kit, includes barrier drawbar mount and 2 ft. (.61 m) conveyor extension.

Standard drawbar extension for 5 ft. (1.52 m) wide sidewalk.

Offset drawbar extension for sidewalk scab-on work.

Hold over assembly, hydraulically powered, required when paving adjacent to existing concrete.

Hydraulic lift trimmerhead for trimming below track line.

Form steering system.

Slipform molds, consult factory.

Other options are available to customize machine to accommodate applications and customer needs.

# DESIGNED FOR SAFETY

The GOMACO Commander II is carefully designed to give years of dependable and safe service. Emergency stop buttons are located on strategic areas of the machine. The E-Stops are on the operator's console and on corners of the machine or can be positioned at various points on the machine providing optimal use for specific applications. Other safety features include track guards, warning decals, an operator's manual, and a safety manual. GOMACO machines are also designed to provide the operator maximum visibility over the entire paving operation.

GOMACO CORPORATION RECOMMENDS THE IMPLEMENTATION OF ALL SAFETY PROCEDURES

## More Versatility With Optional Hydraulic Vertical Trimmerhead And Drawbar

The optional hydraulic trimmerhead and drawbar adjustments allow the trimmerhead and mold to be lowered for trimming and pouring next to an existing slab with both tracks on the slab. Independent controls on the operator's station provide vertical adjustment for the trimmerhead and drawbar.

The hydraulically controlled trimmerhead and drawbar will vertically adjust up to 12 in. (305 mm). This allows the Commander II to trim and pour up to 12 in. (305 mm) below grade with 6 in. (152 mm) of leg stroke available.

Note: The hydraulic vertical adjustment trimmerhead requires the use of the 2 ft. (.61 m) conveyor extension. The trimmerhead will hydraulically sideshift up to 36 in. (914 mm) with a 30 in. (762 mm) trimmerhead. The trimmerhead can sideshift up to 48 in. (1,219 mm) with additional trimmerhead sections.



CG-079002-20A-B

## Commander II Unique Stair-Step Application Saves Time And Money

This Louisiana contractor used his versatile Commander II, equipped with a unique 7 ft. 9 in. (2.36 m) wide stair-step mold, for this specialized slipforming application at the Lafayette Mall in New Orleans. The Commander II slipformed each side of the new street in a single pass, eliminating the need to set seven lineal feet of forms for each lineal foot of street. After both sides were slipformed, cobblestones were grouted onto the mid-level, while granite curb was placed on the lower level.



CG-098507-6A-7-B

Cover Photo: CG-128904-8A-B

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