

# SKAMP

Industries, Incorporated

## BC 5000

### Industrial Burden Carrier

**5,000 LB. RATED PAYLOAD CAPACITY GASOLINE/LPG/CNG**



TRANSPORTS LOADS ON REAR PLATFORM WEIGHING UP TO 5,000 POUNDS.  
TOWS LOADS ON WHEELS WEIGHING UP TO 70,000 POUNDS.

AUTOMATIC TRANSMISSION  
POWER DISK BRAKES  
POWER STEERING

[www.skampvehicles.com](http://www.skampvehicles.com)

  
Made in the USA

# BC 5000 INDUSTRIAL BURDEN CARRIER

## Features:

Power, performance and rugged strength makes the BC 5000 stand apart from competition. It weighs 3700 pounds(over three times as much as one competitor).The four(4) cylinder liquid cooled industrial engine is coupled to a three (3) speed power shift transmission which drives a heavy duty rear axle. Power steering, high capacity power assisted disk brakes and cushomatic™ solid drive and steer tires are standard equipment.

Two molded seats with (4) inches of adjustment, and seat belts along with a low step height and ample foot room provide operator comfort. The swing up hood and removable drive train covers permit easy access to all service points.

## Performance Data:

Rated Carrying Capacity ..... 5,000LBS.  
Unladen Travel Speed..... 14.1 MPH  
Laden Travel Speed ..... 12.0 MPH

## Engine:

A Ford industrial 1.3 liter, overhead valve, four cylinder in-line water cooled engine is used. It is a state of the art low maintenance engine and has proven to be very durable for industrial applications.

Model ..... VSG-413  
Bore ..... 2.91 IN  
Stroke ..... 2.97 IN  
Displacement ..... 79 CU IN  
Maximum Engine Speed ..... 3,000 RPM  
Crankcase Capacity ..... 4.0 QTS  
Fuel Tank Capacity ..... 8.5 GALS  
Cooling System Capacity ..... 8.5 QTS

## Cooling System:

An oversize open core radiator is used to prevent engine overheating problems.

## Filters:

Replaceable spin-on full flow engine oil filter. Heavy duty engine air cleaner is a dual element Donaldson FWG type cyclopac.

## Electrical System:

12 volt battery and 51 amp alternator with built in regulator. Enclosed positive engagement starter with anti-restart key switch to prevent starter and flywheel ring gear damage. Engine oil pressure, water temperature, voltmeter, fuel gauge, solid state hour meter, horn, headlights and stop and tail lights are standard equipment.

## Frame:

Heavy one piece welded structure fabricated from one half inch and one inch thick steel plate. Load deck is diamond plate with closely spaced grid supports to make a rugged platform.

## Wheels & Tires:

Solid pneumatic tires are standard equipment. Cushomatic™ solid pneumatic drive tires are 6.50 x 10 and steer tires are 4.80 x 8.00.

## Automatic Transmission:

Three speed automatic Ford transmission with one speed in reverse. Shift control lever has drive (D), second (2), low (1), neutral (N) and reverse (R) positions with neutral start switch.The BC 5000 is equipped with a mechanism that prevents shifting of gears while the accelerator is depressed. This protects drive line components.

## Drive Axle:

Rugged Ford axle with high speed spiral bevel geared differential with semi-floating axle shafts and roller bearings for quiet reliable operation.

## Power Brakes:

Heavy duty hydraulic two wheel power disk brakes at drive wheels. Hand lever parking brake control operates the service brakes independent of the pedal system. Both the service and parking brakes are self adjusting.

## Power Steering:

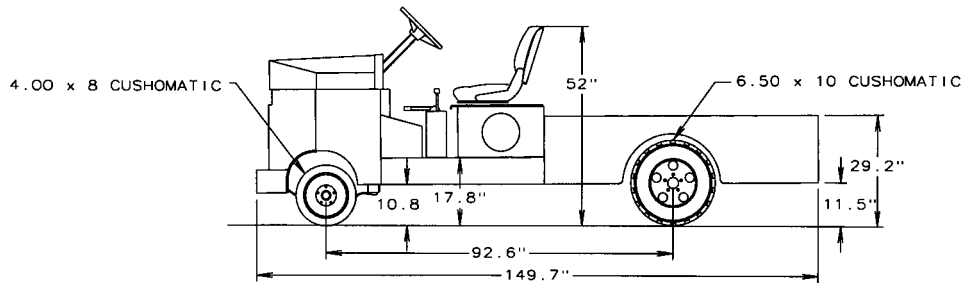
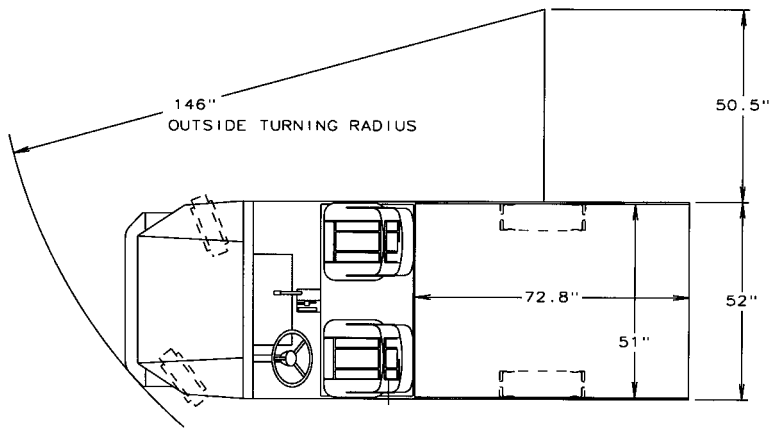
Power steering is standard equipment. A rugged steer axle with inclined king pins and axle caster improves tracking and turning characteristics.

## Suspension:

Front and rear spring suspension for a smooth comfortable ride.



# BC 5000 BURDEN CARRIER DIMENSIONS



## GENERAL DATA

### Service Weight

BC 5000 ..... 3,700 lbs.

### Travel Speeds

Reverse ..... 3.5 mph  
 1st Gear ..... 5.5 mph  
 2nd Gear ..... 8.3 mph  
 3rd Gear ..... 14.1 mph

### Capacity

Load Carrying ..... 5,000 Lbs.

### TOWING

#### DRAWBAR PULL

#### TOWED LOAD

1st Gear ..... 3,000 lbs ..... 70,000 lbs.

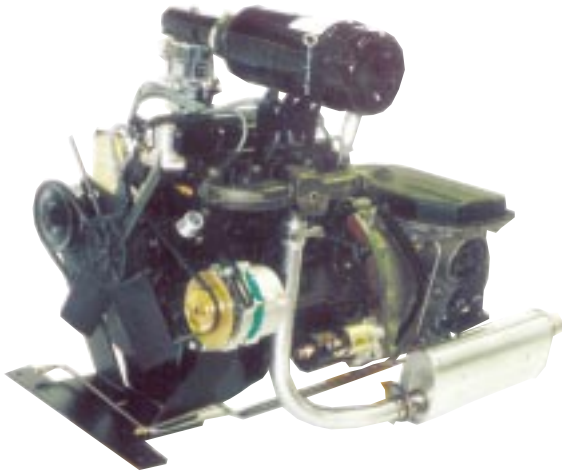
### Insurance Classification:

Designed to meet Underwriters Laboratories, requirements for fire hazard; type G industrial trucks.

**Note:** Production engine driveline components may vary in output/and or efficiency by +/-5%. The performance shown represents nominal values which may be obtained under typical operating conditions of a standard machine. Slight variations may be expected due to individual machine options and loaded weight conditions.



## BC 5000 COMPONENTS



**DRIVE LINE** - A Ford 1.3 liter state of the art low maintenance design industrial engine is the power plant of choice. It incorporates a distributorless ignition system (DIS) for reduced maintenance, a heavy duty air cleaner and positive crankcase ventilation for prolonged engine life. This engine is designed for multi-fuel capability using hardened valve seat inserts for LPG and natural gas usage. Engine warranty is two(2) years or 2,000 hours parts and labor.

The automatic transmission used is a rugged design also used with larger engines in other applications. Transmission fluid cooler in lower radiator tank keeps operating temperatures low for a long trouble free service life.



Disk Brake



**DRIVE AXLE** - A Ford axle was chosen for its durability and ease of service. It uses a high speed spiral bevel geared differential for quiet reliable operation. The drive axle is the final component in a rugged drive line, enabling the BC 5000 to carry loads weighing up to 5,000 lbs and tow loads on carts weighing up to 70,000 lbs.

The axle is supported by two heavy duty leaf springs for operator comfort.

Rugged power disk brakes provide for a long dependable service life.



**STEER AXLE** - The design incorporates inclined king pins and axle caster for ease of steering. The steer axle is designed to withstand loading conditions over three times greater than experienced on the BC 5000. This gives an extra safety factor to prevent failure and insure a long service life.

Power steering is standard equipment. Ease of handling in tight quarters, even at very low speeds, reduces fatigue and improves performance.



**FRAME** - One-half inch to one inch thick panels and a solid steel front bumper with fenders offer protection to carrier components. The forward panel is die formed with smooth contours to reduce damage to product or other equipment. All welded unitized construction of heavy steel plate makes an extremely rigid and strong frame.

Mounts for the power train and axles are an integral part of the frame, for maximum durability.

Manufactured by:  
**SKAMP** Industries, Inc.  
Richland, Michigan