

Caterpillar Vibratory Plate Compactors provide superior compaction force in a reliable, low-maintenance package. These units produce high-power impulses at a rate of 2200 impacts per minute. The forces generated by this vibration drive soil particles close together for solid, stable compactions. Whether in a trench or on a slope, driving sheeting or posts, Cat Compactors are the superior choice for any jobsite’s compaction tasks.



Vibratory Plate Compactors

Model	Impulse Force	Cycles/Min.	Base Plate Width
<u>CVP16 [222-3780]</u>	3645 lb / 16.2 kN	2200	12.01 in / 305 mm
<u>CVP40 [205-5900]</u>	8928 lb / 40 kN	2200	23 in / 584.2 mm
<u>CVP75 [205-5901]</u>	16508 lb / 74 kN	2200	29 in / 736.6 mm
<u>CVP110 [205-5902]</u>	24669 lb / 110 kN	2200	34 in / 863.6 mm

**Cat Compactors For Cat Machines**

Cat Compactors are performance-matched to Cat machines, and integrate perfectly with the Cat Hammer line – brackets and hydraulic kits are fully interchangeable between hammers and compactors, Three sizes of compactor are available to match with Cat Backhoe Loaders or Hydraulic Excavators. Only Caterpillar can offer this total system solution of compactor, hammer, kit and machine; all fully compatible, and every single component backed by Caterpillar quality.

**Tough and Reliable**

Cat quality components and design features ensure reliability in the most adverse working conditions. Cat Shaft bearings are lubricated with a continual oil bath. Bearing reliability is second to none; and maintenance requirements are minimal. And, of course, they’re backed up by the legendary Caterpillar service system; no other compactor can offer this level of total system support.

**Integral Pressure/Flow Control**

Every Cat Compactor includes a pressure/flow control valve as standard. The valve protects the compactor from damaging pressures and flows, enhancing reliability. Also, one compactor can be used on multiple machines without requiring additional hydraulic adjustment.

**Protected Hydraulics**

All hydraulic hoses are protected inside the frame of the Compactor, avoiding most sources of hydraulic hose damage. Hydraulic supply lines are routed out the back of the unit to keep hoses short and out of the way.

**Optional Backfill Blade**

An optional bolt-on backfill blade allows the Compactor to easily push loose material into place, for very fast work when backfilling trenches.



## The extreme Ho-Pac®—introducing a new generation of compacting.

Allied's continuous product improvement has now made a highly successful product—the Ho-Pac®—even better with the introduction of the Model 500. The Model 500 now delivers 30% more impact energy, a longer base plate, a four-function valve, three motor options and oil splash bearing lubrication.

Allied pioneered the concept of the hydraulically-operated Ho-Pac® vibratory compactor/driver. Using an eccentric, rotating weight that creates vibration and impulse energy, the carrier-mount Ho-Pac provides the needed forces for effective soil compaction and driving.

Model 500 – ideal for narrow trench work

Rugged. Versatile. Reliable. The Model 500 is small, but packs plenty of power and performs a variety of jobs efficiently. Designed for use on mini-excavators, rubber-tired backhoes and trenchers with backhoe attachment, the Model 500 with a 12" wide base plate is ideal for narrow trench work. It can compact to 2 to 4 foot lifts and operates with an impulse force of 3,940 pounds at 2,000 cycles per minute with a minimum gpm (9, 14 or 18) from the carrier.

Ho-Pac Model 500 advantages include:

- New eccentric housing design encloses and protects motor
- Larger eccentric with mass further away from shaft centerline helps to increase impulse force
- Longer base plate (12" x 27") provides greater compaction area
- 30% more impact energy decreases compaction times
- New hose routing for better protection
- Three motor options (9 gpm, 14 gpm and 18 gpm) offer versatility in matching carriers
- Base plate can be unbolted easily to allow replacement with a different size or custom attachment
- Oil splash provides maintenance-free lubrication
- Four-function valve controls flow, pressure, regeneration and oil flow direction

The Allied Model 500 Ho-Pac operates off of the machine's own hydraulic system and reaches out to work anywhere the machine's boom can reach. And, the Ho-Pac interchanges with the machine's bucket in minutes. An optional swivel-top mounting bracket permits precise positioning of the Ho-Pac without repositioning the carrier.

Whatever the application, whatever the demands, Allied's Model 500 will stand the test.

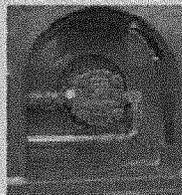
*\* Depending upon job and soil conditions.*



Ho-Pac base has been re-positioned



Oil splash bearing protection



Four-function valve are available



Four-function valve is well protected

### Ho-Pac Model 500 Specifications

Model	500	500	500
Mounting Group	XSF	BSF	XCS/BCS
Impulse Force	lbs. 3,940 (m) (17,530)	3,940 (17,530)	3,940 (17,530)
Cycles Per Minute	2,000	2,000	2,000
Hydraulic Flow	gpm 9 (lpm) (34)	14 (53)	18 (68)
Hydraulic Pressure	psi 2,800 (bar) (193)	2,500 (172)	2,000 (138)
Working Weight	lbs. 489 (kg) (222)	513 (233)	480 (218)
Height	in. 26 (cm) (66)	26 (66)	22 (56)
Base Plate Dimensions	in. 12x27 (cm) (30x69)	12x27 (30x69)	12x27 (30x69)
Space Inside Bracket	in. 6.67 (cm) (169)	10.25 (260)	Varies Varies
Mounting Pin Diameter	in. — (mm) (")	1.50/1.75 —	Varies Varies
Swivel-Top Mounting Bracket** Weight	lbs. NA (kg) NA	195 (88)	195 (88)
Additional Height	in. NA (cm) NA	9 (23)	9 (23)
Recommended Carrier Weight	lbs. 6,000-15,000	9,000-15,000	6,000-15,000

\* Various pin diameters available. \*\*Optional

Mounting Type Descriptions:

- XSF Mini Excavator Side Frame Mounting • BSF Backhoe Side Frame Mounting
- XCS Mini Excavator Top Mounting • BCS Backhoe Top Mounting

For sales and service, contact your Allied Distributor:



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**BREAKER  
TECHNOLOGY,  
INC.**

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# TC SERIES

## Hydraulic Compactors

*The unique design of Breaker Technology's TC Series of hydraulic compactors delivers high impulse energy for greater compaction, and reduced maintenance and replacement costs for the rubber isolators. Three models satisfy a wide range of compaction applications and customer needs.*

### Features & Benefits

#### Swivel Top Mount

BTI's design incorporates a swivel top mount as standard equipment (TC91S & TC151S). The swivel mount can be locked in five different positions for controlled compaction or left to free float. The floating feature allows compaction of a larger area before repositioning the carrier.

#### Rubber Isolators

The TC91S and TC151S design places the rubber isolators in compression and not in shear. This helps resist the extreme downward force that can be exerted on the compactor which reduces energy loss while providing optimum dampening. The TC301 design incorporates traditional isolators providing optimum performance in larger applications.

#### Hydraulic Check Valve

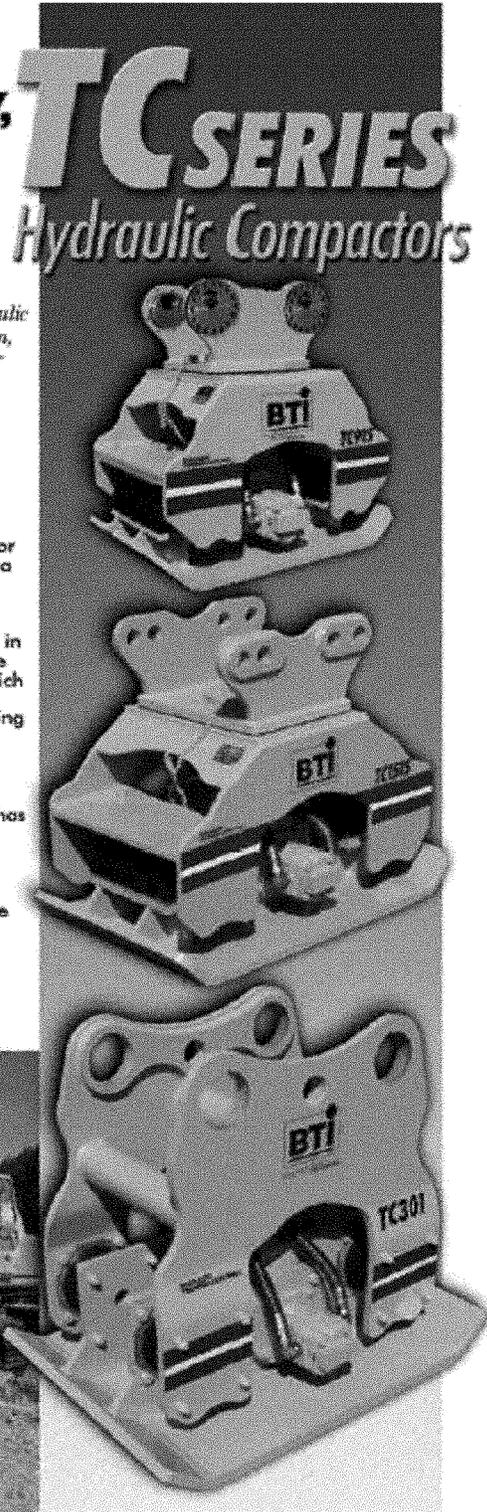
The compactor motor is equipped with a cross over check valve, permitting the motor to slow down after the control has been switched off eliminating shock loading to the shaft.

#### Universal Adjustable Boss

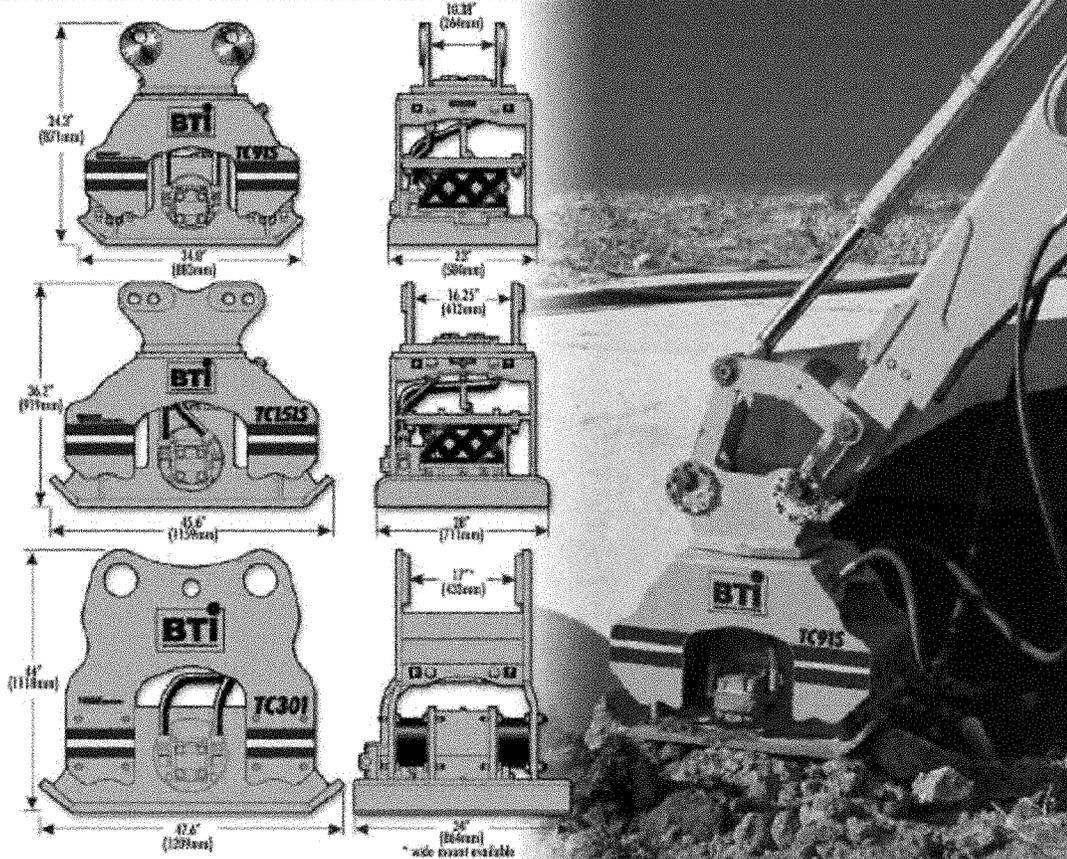
All TC91S compactors come standard with BTI's unique Adjustable Boss Mounting System allowing you to adjust the pin spacing to accommodate quick coupler installations on most common rubber tire backhoes.

#### Sealed Oil Bath Lubrication

Eliminates the need for routine greasing and provides a consistent lubrication leading to longer component life.



# TC Series Compactors



General Specifications	Unit	TC915	TC1515	TC1515 High-Flow	TC301	TC301 High-Flow
Impulse Force	lb (kg)	5,000 - 8,200 (2,270 - 3,727)	11,120 - 16,810 (5,085 - 7,550)	11,120 - 16,810 (5,055 - 7,550)	16,300 - 24,900 (7,409 - 11,000)	18,300 - 24,300 (7,409 - 11,000)
Oil Flow Required	USgpm (lpm)	17 - 24 (65 - 91)	25 - 31 (95 - 117)	35 - 43 (132 - 163)	35 - 43 (132 - 163)	50 - 61 (189 - 231)
Cycles/Minute		1,650 - 2,200	1,800 - 2,200	1,800 - 2,200	1,800 - 2,200	1,800 - 2,200
Operating Pressure	psi (bar)	1,300 - 2,000 (86 - 138)	1,500 - 2,000 (102 - 138)	1,100 - 1,600 (75 - 109)	1,500 - 2,000 (102 - 138)	1,100 - 1,600 (75 - 109)
Base Plate Dimension	in (mm)	23 x 27 (584 x 686)	28 x 36.5 (711 x 927)	28 x 36.5 (711 x 927)	34 x 37 (864 x 940)	34 x 37 (864 x 940)
Compaction Area	sq ft (m <sup>2</sup> )	4.3 (0.40)	7.1 (0.66)	7.1 (0.66)	8.74 (0.812)	8.74 (0.812)
Weight	lb (kg)	1,130 (514)	1,825 (830)	1,820 (832)	2,150 (976)	2,155 (980)
Swivel Rotation		180°	180°	180°	NA	NA
Locking Positions		90°, 45°, 0°, 45°, 90°	90°, 45°, 0°, 45°, 90°	90°, 45°, 0°, 45°, 90°	NA	NA
Carrier Range	lb (kg)	7,700 - 25,300 (3,500 - 11,500)	15,400 - 48,400 (7,000 - 22,000)	15,400 - 48,400 (7,000 - 22,000)	31,800 - 105,800 (14,500 - 48,000)	31,900 - 105,800 (14,500 - 48,000)

www.rockbreaker.com

Authorized Dealer



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CP-323c

Cat vibratory soil compactors are designed for operator visibility, maneuverability and ease of operation.



**Detailed Specifications**

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Flywheel Power	49 kW / 66 hp
Gross Power	52 kW / 70 hp
Engine Model	CAT 3054 DINA
Operating Weight	4745 kg / 10440 lb
Weight at Drum	2040 kg / 4490 lb
Compaction Width	1270 mm / 50 in
Travel Speed	
Turning Radius Inside	2625 mm / 8.5 ft
Turning Radius Outside	3895 mm / 12.75 ft
Ground Clearance	347 mm / 13 in
Vibratory Frequency	
Centrifugal Force Maximum	66.8 kN / 15000 lb
Drum Diameter - Over Drum	1016 mm / 40 in
Tires	11.2 x 24 6-ply
Fuel Tank Capacity	144 L / 38 gal

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