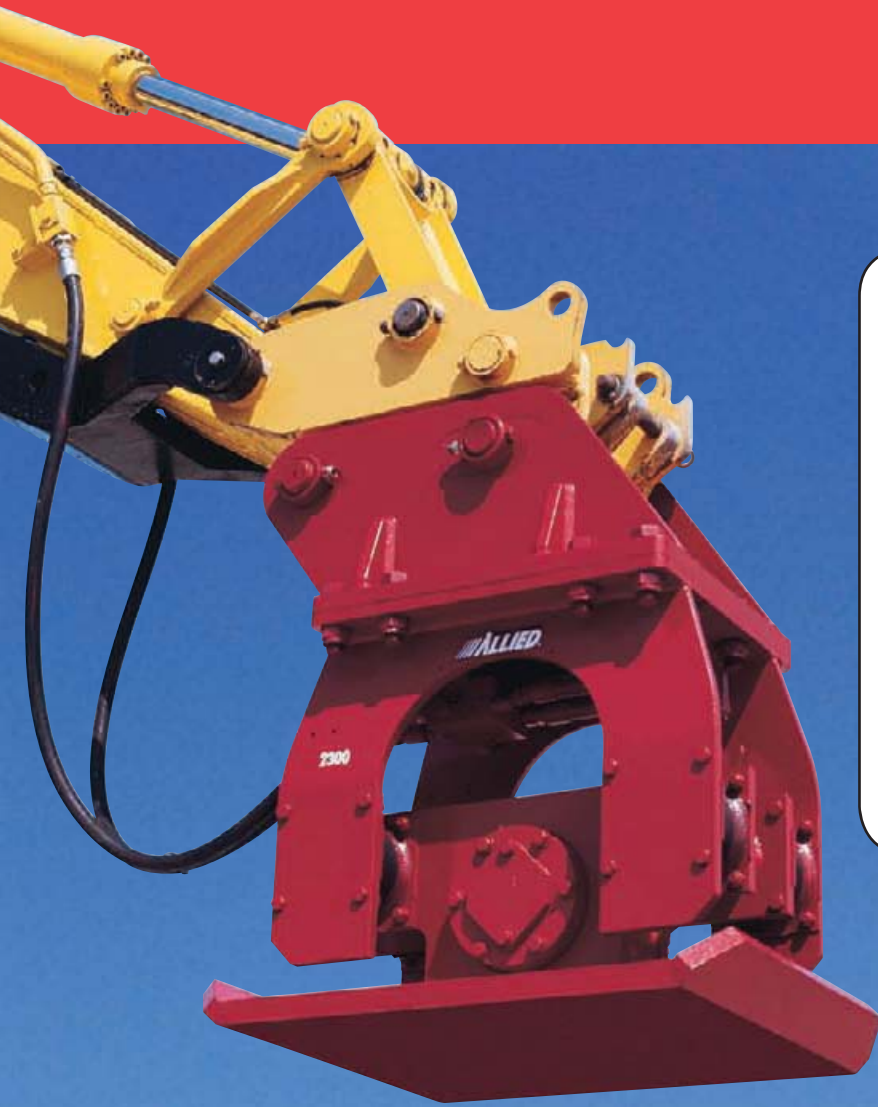


Ho-Pac[®]

Allied's hydraulic vibratory compactor/driver



The extr



Model 2300 – Compacts over 160 cubic yards per hour

Designed to be the most advanced and productive vibratory compactor/driver available to contractors, the Model 2300 offers unmatched performance.

It has the capability of compacting in 4 to 6 foot lifts* to densities in excess of 95% Proctor with either a 34" or 28" (optional) base plate. Production is over 160 cubic yards per hour.

And, as a driver, the Model 2300 Ho-Pac is unmatched for handling sheeting—both wood and steel—and for driving beams, pipe, posts, sea walls and piling.

The Model 2300 is for excavators in the 35,000 lb. to 120,000 lb. class. It features 24,000 pounds of impulse force at 2,100 cycles per minute. It requires an oil flow of 47 gpm.

**Depending upon job and soil conditions.*



Allied's continuous product improvement has now made a highly successful product — the Ho-Pac® — even better with the Model 300B, Model 500B, Model 1000B, Model 1600 and Model 2300. The all-new extreme Ho-Pacs now deliver more impact energy, an errorless four-function valve, a variety of mounting configurations and maintenance-free sealed bearing or oil splash bearing lubrication.

The advantages of the all-new generation of extreme Ho-Pacs include:

- Larger eccentric with mass further away from shaft centerline helps to increase impulse and compaction force
- Sealed bearings (Model 300B, Model 500B and Model 1000B) or oil splash bearings (Model 1600 and Model 2300) provide maintenance-free (no greasing) lubrication
- New hose routing for better protection against sheared or damaged hoses
- Worry-free "plug-and-go" installation
- Tough-coat hoses prevent cuts and extend wear-life

Extreme Ho-Pac®-Introducing a new generation

Model 1600 – 19% more of increased impulse force

The Model 1600 fits virtually all larger loader/backhoes and small to medium excavators. This hydraulic attachment, which interchanges with the machine's bucket in minutes, operates off the machine's hydraulic system and requires an oil flow of 25, 30 or 43 gpm depending on maximum carrier flow.

Using impulse force, downpressure and vibration, it compacts most types of soil in lifts of 3 to 5 feet* and in densities in excess of 95% Proctor with a 29" or 24" (optional) base plate.

The Model 1600 offers impressive specifications—16,000 pounds of impulse force at 2,100 cycles per minute. Contractors can expect to compact 80 or more cubic yards per hour.

And, the Model 1600 is widely used for driving wood and steel sheeting, H and I beams, piling and aluminum sea walls.

** Depending upon job and soil conditions.*



- Four-function valve controls flow, pressure, regeneration and oil flow direction
- Patented Variable Mounting System™ (VMS) provides a variety of mounting configurations (except Model 300B and Model 500B) to "custom-fit" to most carriers

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

The Ho-Pac features specially designed rubber mounts that direct the energy forces to the compaction plate, not the carrier's boom. Static downpressure and the high impulse vibration forces produced by the Ho-Pac are ideal for compacting granular materials. The vibrations generate stress waves, which bring the soil's air and moisture to the surface. As a result, the soil particles are rearranged, compressed and compacted. These same forces also effectively compact cohesive materials.

As a compactor, Ho-Pacs are ideal for trench, slope and excavation compaction. They are also used for compacting waste materials. As a driver, Ho-Pacs offer a faster, less-expensive technique for driving wood, steel and aluminum sheeting, H and I beams, piling, posts and sea walls.

The Allied Ho-Pacs operate off of the machine's hydraulic system and reach out to work anywhere the machine's boom can reach. And, the Ho-Pacs interchange with the machine's bucket in minutes. An optional swivel-top mounting bracket permits precise positioning of the Ho-Pacs without repositioning the carrier.

Because it's both a compactor and a driver, the Allied Ho-Pacs permit even the smallest contractor or municipality to have this dual capability available.

The all-new generation of extreme Ho-Pacs (available in five models: 300B, 500B, 1000B, 1600 and 2300) are rugged, versatile and reliable.

tion of compacting/driving.

**Model 1000B – Three
(12 gpm/18 gpm/21 gpm)
motor options available**

The Model 1000B Ho-Pac fits nearly all small to medium rubber-tired loader/backhoes. This hydraulic attachment operates off the tractor's hydraulic system and requires 12 gpm, 18 gpm or 21 gpm of oil flow.

It compacts in densities in excess of 95% Proctor and in lifts of 2 to 4 feet*. More efficient and less expensive to operate than men with hand-held tampers, the Model 1000B can compact 30 or more cubic yards per hour.

Its 8,000 pounds of impulse force at 2,000 cycles per minute makes it an ideal compactor and driver using either a 18" (optional) or 24" base plate.

**Depending upon job and soil conditions.*





Model 300B and Model 500B — Ideal for narrow trench work

The Model 300B and Model 500B are small, but pack plenty of power and perform a variety of jobs efficiently.

This Ho-Pac is designed for use on mini-excavators, skid-steers, rubber-tired backhoes and trenchers with a backhoe attachment.

They can compact in 2 to 3 foot* lifts and operate with impulse forces of 3,000 (300B) pounds/5,000 (500B) pounds at 2,000 cycles per minute

with a minimum gpm (6, 9, 14 or 18 for 300B and 6, 9, 14 or 18 for 500B) from the carrier.

The narrow profile of either the 300B (12" x 22") or 500B (13" x 27") wide base plate makes the Model 300B or Model 500B ideal for narrow trench work.

* Depending upon job and soil conditions.

Ho-Pac® Specifications

Model		300B	500B	1000B	1600	2300
Impulse Force	lbs. (N)	3,000 (13,340)	5,000 (22,240)	8,000 (35,586)	16,000 (17,170)	24,000 (106,760)
Cycles Per Minute		2,000	2,000	2,000	2,100	2,100
Hydraulic Flow Required	gpm (lpm)	6/9/14/18* (23/34/53/68)	6/9/14/18* (23/34/53/68)	12/18/21* (45/68/79)	25/30/43* (95/114/163)	47 (178)
Maximum Hydraulic Pressure	psi (bar)	2,800/2,800/2,500/2,000** (193/193/172/138)	2,800/2,800/2,500/2,000** (193/193/172/138)	2,800/2,000/2,000** (193/138/138)	3,000/3,000/2,600** (207/207/180)	2,200 (152)
Base Plate Dimensions	in. (cm)	12 x 22 (31 x 56)	13 x 27 (33 x 69)	24 x 28 (61 x 71)	29 x 32 (74 x 81)	34 x 36 (86 x 91)
Recommended Carrier Weight	lbs.	3,000-12,000	6,000-15,000	9,000-30,000	19,000-45,000	35,000-120,000
Swivel Top-Mounting Bracket*** Mounting Type		XSF/XR	XSF/XR	BSF BR	SR	
Weight lbs.	lbs. (kg)	162 (74)	162 (74)	200 (91) 215 (98)	320 (145)	NA NA
Additional Height	in. (cm)	9 (22)	9 (22)	13 (33) 7 (18)	9 (23)	NA NA

*Select the configuration which best matches maximum carrier flow. **Varies with the motor. ***Optional.

Ho-Pac® Mounting Configurations

Model		300B	300B*	500B	500B*	1000B	1000B*	1000B	1000B	1000B	1600*	1600	1600	2300*	2300	2300	2300
Mounting Type		XSF	Flat-Top IN 1/IN 2/XR	XSF	Flat-Top IN 1/IN 2/XR	BSF	Flat Top BR/SR	V10	V12	V13	Flat-Top MR/SR	V13	V16	Flat-Top MR/LR8	V16	V17	V21
Working Weight	lbs. (kg)	310 (141)	305 (138)	410 (186)	435 (197)	950 (430)	950 (430)	950 (430)	950 (430)	960 (435)	1,565 (710)	1,595 (725)	1,595 (725)	2,216 (1005)	2,190 (994)	2,180 (989)	2,270 (1030)
Height	in. (cm)	23 (59)	18 (47)	24 (62)	21 (52)	30 (77)	26 (65)	31 (79)	31 (79)	32 (81)	32 (81)	40 (100)	40 (100)	35 (89)	42 (106)	42 (106)	42 (106)
Space Inside Bracket	in. (mm)	6.68 (170)	**	6.68 (170)	**	10.25 (260)	**	10.13 (257)	12.50 (318)	13.00 (330)	**	13.00 (330)	16.25 (413)	**	16.25 (413)	17.25 (438)	20.75 (527)
Mounting Pin Centers	in. (mm)	7 (178)	**	7 (178)	**	10.50/14.00 (267/356)	**	10.00-15.00 (254-381)	10.00-15.00 (254-381)	14.25-20.25 (362-514)	**	14.25-20.25 (362-514)	14.25-20.25 (362-514)	**	14.25-20.25 (362-514)	15.50-22.50 (394-572)	17.00-24.00 (432-610)
Mounting Pin Diameter	in. (mm)	Varies* Varies*	**	Varies* Varies*	**	1.50/1.75 (44.5/38.0)	**	1.18-2.56 (30-65)	1.18-2.56 (30-65)	2.36-3.54 (60-90)	**	2.36-3.54 (60-90)	2.36-3.54 (60-90)	**	2.36-3.54 (60-90)	2.95-4.33 (75-110)	2.95-4.33 (75-110)

Mounting Type Descriptions: • XSF-Mini-Excavator Side-Frame Mounting • BSF-Backhoe Side-Frame Mounting • XR-Mini-Excavator Top-Mounting • BR-Backhoe Top-Mounting • SR-Small Excavator/Backhoe Top-Mounting • MR-Medium Excavator Top-Mounting • LR8-Large Excavator Top-Mounting • V-Variable Mounting System (VMS)

*Flat-top configurations require an additional top-mounting bracket. **Mounting bracket required.

For sales and service, contact your Allied Distributor:



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