



Ho-Pac®

Allied's all-new hydraulic vibratory compactor/driver

The extreme Ho-Pac®

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 500, Model 1000, Model 1600 and Model 2300. The all-new extreme Ho-Pacs now deliver **more** impact energy, **multiple** bolt-on base plates, an **errorless** four-function valve, a **variety** of mounting configurations and **maintenance-free** 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
- Oil splash provides maintenance-free (**no greasing**) bearing lubrication
- Base plate can be unbolted easily to allow replacement with a different size (**wider or narrower**) or custom attachment
- 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
- Four-function valve controls flow, pressure, regeneration and oil flow direction
- Patented Variable Mounting System™ (VMS) provides a variety of mounting configurations (except Model 500) to "custom-fit" to most carriers

— introducing a new generation of compacting/driving.



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 34 gpm.

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 25" (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.*

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 four models — 500, 1000, 1600 and 2300**) are rugged, versatile and reliable.

Model 1000 — Three (12 gpm/18 gpm/21 gpm) motor options available

The Model 1000 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 1000 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 16" or 24" (optional) base plate.



**Depending upon job and soil conditions.*





Model 500 — Ideal for narrow trench work

The Model 500 is small, but packs plenty of power and performs 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.

It can compact in 2 to 3 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.

The narrow profile of either the 12" or 18" (optional) wide base plate makes the Model 500 ideal for narrow trench work.

* Depending upon job and soil conditions.

Ho-Pac® Specifications

Model		500	1000	1600	2300
Impulse Force	lbs. (n)	3,940 (17,530)	8,000 (35,586)	16,000 (17,170)	24,000 (106,760)
Cycles Per Minute		2,000	2,000	2,100	2,100
Hydraulic Flow Required	gpm (lpm)	9/14/18* (34)(53)(68)	12/18/21* (45)(68)(79)	34 (129)	47 (178)
Maximum Hydraulic Pressure	psi (bar)	2,000/2,500/2,800** (138)(172)(193)	2,000/2,000/2,800** (138)(138)(193)	2,300 (158)	2,200 (152)
Base Plate Dimensions	in. (cm)	12 x 27 (31 x 69)	24 x 32 (61 x 81)	29 x 32 (74 x 81)	34 x 38 (86 x 97)
Recommended Carrier Weight	lbs.	6,000- 15,000	9,000- 30,000	19,000- 45,000	35,000- 120,000
Swivel Top-Mounting Bracket***					
Mounting Type		BSF	BSF		
Weight	lbs. (kg)	200 (91)	200 (91)	NA NA	NA NA
Additional Height	in. (cm)	13 (33)	13 (33)	NA NA	NA NA

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

Ho-Pac® Mounting Configurations

Model		500	500	500*	500*	1000	1000	1000*	1000	1000	1600*	1600	1600	2300*	2300	2300	2300
Mounting Type		BSF	XSF	Flat-Top XR/XCS	Flat-Top BCS/XCS	BSF	USF	Flat-Top BR/SR	V10	V12	Flat-Top MR/SR	V13	V16	Flat-Top MR/LR8	V16	V17	V21
Working Weight	lbs. (kg)	513 (233)	489 (222)	498 (226)	491 (223)	1,053 (478)	1,053 (478)	1034 (469)	1,018 (462)	1,020 (463)	1,565 (710)	1,595 (725)	1,595 (725)	2,216 (1005)	2,190 (994)	2,180 (989)	2,270 (1030)
Height	in. (cm)	26 (66)	26 (66)	22 (56)	22 (56)	30 (76)	30 (76)	26 (66)	30 (76)	30 (76)	32 (81)	40 (100)	40 (100)	35 (89)	42 (106)	42 (106)	42 (106)
Space Inside Bracket	in. (mm)	10.25 (260)	6.68 (170)	**	**	10.25 (260)	10.24 (260)	**	10.13 (257)	12.50 (318)	**	13.00 (330)	16.25 (413)	**	16.25 (413)	17.25 (438)	20.75 (527)
Mounting Pin Centers	in. (mm)	10.5/14.0 (267/356)	7 (178)	**	**	10.5/14.0 (267/356)	13.93 (354)	**	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)	15.50-22.50 (394-572)	17.00-24.00 (432-610)
Mounting Pin Diameter	in. (mm)	1.50/1.75 (44.5/38.0)	Varies* Varies*	**	**	1.50/1.75 (44.5/38.0)	Varies* Varies*	**	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)	2.95-4.33 (75-110)	2.95-4.33 (75-110)

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

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



Swivel Top-Mounting Bracket

Optional Swivel Top-Mounting Bracket allows precise positioning of the Ho-Pac in standard, 45° or 90° locked positions.

For sales and service, contact your Allied Distributor:



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