Ho-Pac®

Allied’s hydraulic vibratory compactor/driver
Allied pioneered the concept of hydraulically-operated Ho-Pac® vibratory compactor/drivers. Using an eccentric, rotating weight that creates vibration and impulse energy, a 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 and for breaking up frozen coal. An optional swivel-top mounting bracket permits precise positioning of the Ho-Pac without repositioning the carrier.

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.

Ho-Pac advantages include:
- Integrated check valve eliminates motor housing and seal damage from unexpected return line pressure spikes
- Flat-face hydraulic couplers are easy to wipe off and allow a clean connection every time (except Model 9800)
- Base plate is unbolted easily to replace with a different size or custom attachment

The Allied 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. Because it’s both a compactor and a driver, the Allied Ho-Pac permits even the smallest contractor or municipality to have this dual capability available.

Allied’s rugged and versatile Ho-Pacs are available in three models – the Model 8700C, Model 9700C and Model 9800.

Model 9800 — Compacts up to 160 cubic yards per hour

Designed to be the most advanced and productive vibratory compactor/drivers available to contractors, the Model 9800 series offers unmatched performance. They have the capability of compacting in 4 to 6 foot lifts* to densities in excess of 95% Proctor. Production is up to 160 cubic yards per hour.

And, as a driver, these Model 9800 series Ho-Pacs are unmatched for handling sheeting — both wood and steel — and for driving beams, pipe, posts, sea walls and piling.

The Model 9800, which can compact from 100 to 120 cubic yards per hour, is for excavators in the 35,000 pound and over class. It features 20,000 pounds of impulse force at 2,000 cycles per minute. It requires an oil flow of 42 gpm.

* Depending upon job and soil conditions.
Model 9700C — 13,400 pounds of impulse force

The Model 9700C Ho-Pac fits virtually all larger loader/backhoes and smaller 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 30 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.

The Model 9700C offers impressive specifications — 13,400 lbs. of impulse force at 2,000 cycles per minute. Contractors can expect to compact from 70 to 80 cubic yards per hour or more.

And, the Model 9700C is widely used for driving wood and steel sheeting, H and I beams, piling and aluminum sea walls.
Model 8700C – An ideal compactor/driver

The Model 8700C Ho-Pac fits nearly all small to medium rubber-tired loader/backhoes. This hydraulic attachment operates off the tractor’s hydraulic system and requires just 20 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 8700C can compact 30 or more cubic yards per hour.

Its 6,400 pounds of impulse force at 2,000 cycles per minute makes it an ideal compactor and driver.

*Depending upon job and soil conditions.
Allied’s full-line of 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.
# Ho-Pac® Specifications

<table>
<thead>
<tr>
<th>Model</th>
<th>Mounting Type</th>
<th>8700C BSF</th>
<th>8700C BR/SR</th>
<th>9700C SSF</th>
<th>9700C SR/MR</th>
<th>9800 LSF</th>
<th>9800 MR/LR8</th>
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</thead>
<tbody>
<tr>
<td>Impulse Force</td>
<td>lbs. (n)</td>
<td>6,400 (28,500)</td>
<td>6,400 (28,500)</td>
<td>13,400 (59,600)</td>
<td>13,400 (59,600)</td>
<td>20,000 (89,000)</td>
<td>20,000 (89,000)</td>
</tr>
<tr>
<td>Cycles Per Minute</td>
<td></td>
<td>2,000</td>
<td>2,000</td>
<td>2,000</td>
<td>2,000</td>
<td>2,000</td>
<td>2,000</td>
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<tr>
<td>Hydraulic Flow Required</td>
<td>gpm (lpm)</td>
<td>20 (76)</td>
<td>20 (76)</td>
<td>30 (114)</td>
<td>30 (114)</td>
<td>42 (159)</td>
<td>42 (159)</td>
</tr>
<tr>
<td>Maximum Hydraulic Pressure</td>
<td>psi (bar)</td>
<td>2,000 (138)</td>
<td>2,000 (138)</td>
<td>2,200 (152)</td>
<td>2,200 (152)</td>
<td>2,200 (152)</td>
<td>2,200 (152)</td>
</tr>
<tr>
<td>Working Weight</td>
<td>lbs. (kg)</td>
<td>910 (413)</td>
<td>910 (413)</td>
<td>1,600 (726)</td>
<td>1,590 (722)</td>
<td>2,290 (1,039)</td>
<td>2,300 (1,043)</td>
</tr>
<tr>
<td>Height</td>
<td>in. (cm)</td>
<td>30 (77)</td>
<td>26 (67)</td>
<td>39 (99)</td>
<td>32 (81)</td>
<td>40 (102)</td>
<td>34 (86)</td>
</tr>
<tr>
<td>Base Plate Dimensions</td>
<td>in. (cm)</td>
<td>24 x 28 (61 x 71)</td>
<td>24 x 28 (61 x 71)</td>
<td>29 x 32 (74 x 81)</td>
<td>29 x 32 (74 x 81)</td>
<td>34 x 36 (86 x 91)</td>
<td>34 x 36 (86 x 91)</td>
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<tr>
<td>Space Inside Bracket</td>
<td>in. (cm)</td>
<td>10.25 (260)</td>
<td>10.25 (260)</td>
<td>12.13 (308)</td>
<td>12.13 (308)</td>
<td>16.00 (406)</td>
<td>16.00 (406)</td>
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<tr>
<td>Mounting Pin Diameter</td>
<td>in. (mm)</td>
<td>1.50/1.75</td>
<td>**</td>
<td>2</td>
<td>**</td>
<td>--</td>
<td>**</td>
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<tr>
<td>Swivel Top-Mounting Bracket***</td>
<td>lbs. (kg)</td>
<td>195 (88)</td>
<td>195 (88)</td>
<td>323 (144)</td>
<td>NA</td>
<td>673 (306)</td>
<td>NA</td>
</tr>
<tr>
<td>Additional Height</td>
<td>in. (cm)</td>
<td>8.9 (23)</td>
<td>8.9 (23)</td>
<td>10.3 (26)</td>
<td>NA</td>
<td>7.4 (19)</td>
<td>NA</td>
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<tr>
<td>Recommended Carrier Weight</td>
<td>lbs. (kg)</td>
<td>9,000 - 30,000</td>
<td>9,000 - 30,000</td>
<td>19,000 - 45,000</td>
<td>19,000 - 45,000</td>
<td>35,000 - 70,000</td>
<td>35,000 - 70,000</td>
</tr>
</tbody>
</table>

*Various pin diameters available. **Separate mounting bracket required. ***Optional Mounting Type Descriptions: BSF-Backhoe Side-Frame Mounting • BR-Backhoe Top-Mounting • SR-Small Excavator/Backhoe Top-Mounting • SSF-Small Excavator Side-Frame Mounting • MR-Medium Excavator Top-Mounting • LSF-Large Excavator Side-Frame Mounting • LR8-Large Excavator Top-Mounting

For sales and service, contact your Allied Distributor:

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