

FAST FACT

EXCAVATOR-COMPATIBLE

HYDRAULIC HAMMERS

HH90 / HH115 / HH125 / HH135 / HH145



JOHN DEERE



RUGGED



RELIABLE

HAMMER
THROUGH





BREAK THROUGH.

Whether you're looking for an efficient alternative to a wrecking ball on a big demolition job or need to break up materials for landscaping, trenching, recycling, or other applications, John Deere excavator-compatible hydraulic hammers deliver breakthrough performance. Optimized for Deere excavators, they are also compatible with most competitive models. See your local Deere dealer for details.

MAKE AN IMPACT

John Deere excavator-compatible hydraulic hammers deliver optimal impact every time regardless of hydraulic-flow changes, while their high impact rate powers efficient productivity. Heavy-duty housing and protected components stand up to even the harshest applications, helping reduce maintenance and ownership costs.

Demolition experts

These hammers are the perfect replacement for cranes equipped with wrecking balls, enabling much more controlled and efficient primary demolition. They can also aid in smashing ground rubble and separating rebar from concrete.

Breaking news

Use these hammers to break a narrow trench for laying pipe, cables, or drainage. Or use them to break down blasted rock that's too big for a feeder or crusher. In areas where blasting isn't allowed, they can break away rock to be removed by truck.

Put the hammer down

Capable of breaking up concrete, hard ground, and small boulders, these hammers are ideal for quarry, demolition, and site preparation.

Recycling reimaged

Cost-effectively prepare materials for landfills while meeting strict environmental regulations.

No leaks or peaks

Membrane-type accumulator design eliminates nitrogen leaks and oil-pressure peaks, delivering constant maximum-impact power without the need to recharge on the job.

Field serviceable

Simple tool-retaining system and lower-tool bushing can easily be replaced in the field, saving a trip to the dealership.

Minimal maintenance

Single-body design on the HH90 enables fast, easy service requiring fewer parts and no special tools. Single lower-tool bushing eliminates the need for upper- and lower-tool bushings. Protected swivel-hose couplings allow free movement, reducing wear of hoses and fittings.

Hammer away at downtime

On the HH115, HH125, HH135, and HH145, a restrictor valve protects against damage and premature failure from system overload, while idle-blow protection prevents idle strokes, helping extend hammer life. Standard Auto-Lube system increases service life for wear parts, while reducing downtime and grease waste.

Different strokes

Stroke-selection system on the HH145 switches between short-stroke high-impact rate or long-stroke high-impact energy to best match the application.



SPECIFICATIONS



Specifications	HH90	HH115	HH125	HH135	HH145
Impact Energy Class	1627 J (1,200 ft.-lb.)	3390 J (2,500 ft.-lb.)	4745 J (3,500 ft.-lb.)	6779 J (5,000 ft.-lb.)	10 847 J (8,000 ft.-lb.)
Hammer Weight	410 kg (910 lb.)	890 kg (1,960 lb.)	1130 kg (2,490 lb.)	1410 kg (3,110 lb.)	1970 kg (4,340 lb.)
Operating Weight	500 kg (1,100 lb.)	1,100 kg (2,430 lb.)	1360 kg (3,000 lb.)	1670 kg (3,680 lb.)	2350 kg (5,180 lb.)
Overall Height					
With Moil Point Tool	1669 mm (66 in.)	—	—	—	—
Without Tool	1217 mm (48 in.)	1577 mm (62 in.)	1810 mm (71.25 in.)	1862 mm (73.3 in.)	2118 mm (83.4 in.)
Overall Width					
Mounting Bracket	400 mm (16 in.)	510 mm (20 in.)	510 mm (20 in.)	510 mm (20 in.)	540 mm (21 in.)
Main Body	280 mm (11 in.)	570 mm (22 in.)	630 mm (25 in.)	630 mm (25 in.)	680 mm (27 in.)
Attachment Depth (no bit or mount)	520 mm (20 in.)	570 mm (22 in.)	570 mm (22 in.)	570 mm (22 in.)	620 mm (24 in.)
Impact Rate	500–1,700 blows/min.	540–920 blows/min.	430–790 blows/min.	450–750 blows/min.	370–630 blows/min. long stroke / 460–740 blows/min. short stroke
Noise Level					
Measured Sound Power, LWA	123 dB	123 dB	121 dB	120 dB	124 dB
Guaranteed Sound Power, LWA	127 dB	127 dB	125 dB	124 dB	128 dB
Tool Diameter	90 mm (3.54 in.)	115 mm (4.52 in.)	125 mm (4.92 in.)	135 mm (5.31 in.)	142 mm (5.59 in.)
Hydraulics					
Hydraulic Flow					
Minimum	50 L/min. (13 gpm)	90 L/min. (24 gpm)	120 L/min. (32 gpm)	140 L/min. (37 gpm)	160 L/min. (42.3 gpm)
Maximum	150 L/min. (40 gpm)	130 L/min. (34 gpm)	180 L/min. (483 gpm)	200 L/min. (53 gpm)	250 L/min. (66 gpm)
Operating Pressure	10–14 MPa (1,450–2,030 psi)	13.5–14.5 MPa (1,960–2,105 psi)	14–16 MPa (2,030–2,320 psi)	13.5–14.5 MPa (1,960–2,105 psi)	15–16 MPa (2,175–2,320 psi)
Maximum Machine Auxiliary Relief	22 MPa (3,191 psi)	22 MPa (3,191 psi)	23 MPa (3,335 psi)	22 MPa (3,190 psi)	24 MPa (3,480 psi)
Maximum Back Pressure	2 MPa (290 psi)	1 MPa (145 psi)	1 MPa (145 psi)	1 MPa (145 psi)	1 MPa (145 psi)
Line Connection					
Pressure	1-in. female BSPP	1-in. SAE Code 62	1.25-in. SAE Code 62	1.25-in. SAE Code 62	1.25-in. SAE Code 62
Return	1-in. female BSPP	1-in. SAE Code 62	1.25-in. SAE Code 62	1.25-in. SAE Code 62	1.25-in. SAE Code 62



Options	HH90	HH115	HH125	HH135	HH145
Mounting System (bracket and hoses)	Option (machine equipped with selector valve)	Option	Option	Option	Option
Tools					
Moil Point	Standard	Option / Field Kit / Service Part	Option / Field Kit / Service Part	Option / Field Kit / Service Part	Option / Field Kit / Service Part
Long	N/A	N/A	N/A	Option / Field Kit / Service Part	N/A
Chisel Point	Service Part	Option / Field Kit / Service Part	Option / Field Kit / Service Part	Option / Field Kit / Service Part	Option / Field Kit / Service Part
Long	N/A	N/A	N/A	Option / Field Kit / Service Part	N/A
Limestone	N/A	N/A	N/A	Option / Field Kit / Service Part	Option / Field Kit / Service Part
Hard Rock	N/A	N/A	N/A	Option / Field Kit / Service Part	Option / Field Kit / Service Part
Spade					
Parallel to Boom	Service Part	N/A	N/A	N/A	N/A
Perpendicular to Boom	Service Part	N/A	N/A	N/A	N/A
Compacting Plate	Service Part	N/A	N/A	N/A	N/A
Blunt Point	N/A	Option / Field Kit / Service Part	Option / Field Kit / Service Part	Option / Field Kit / Service Part	Option / Field Kit / Service Part
Long	N/A	N/A	N/A	Option / Field Kit / Service Part	N/A
Super	N/A	N/A	N/A	Option / Field Kit / Service Part	Option / Field Kit / Service Part
Pyramid Point	N/A	Option / Field Kit / Service Part	Option / Field Kit / Service Part	Option / Field Kit / Service Part	Option / Field Kit / Service Part
Vehicle Compatibility					
Connection					
Hydraulic	G3/4 JIS	JIS or ORFS	JIS or ORFS	JIS or ORFS	JIS or ORFS
Electrical	None	None	None	None	None
Excavators	75G and 85G	130G, 135G, and 160G LC (with auxiliary high-flow hydraulics)	160G LC, 180G LC, 200G, 210G/210G LC, and 245G LC (with auxiliary high-flow hydraulics)	180G LC, 210G/210G LC, 245G LC, 250G LC, 300G LC, and 345G LC (with auxiliary high-flow hydraulics)	300G LC, 345G LC, 350G LC, and 380G LC (with auxiliary high-flow hydraulics)
Allowed Carrier Weight	6.6–10 ton (14,600–23,400 lb.)	12–20 ton (26,500–44,100 lb.)	16–26 ton (35,300–57,300 lb.)	21–32 ton (46,300–70,560 lb.)	26–42 ton (57,300–92,600 lb.)



JOHN DEERE

