

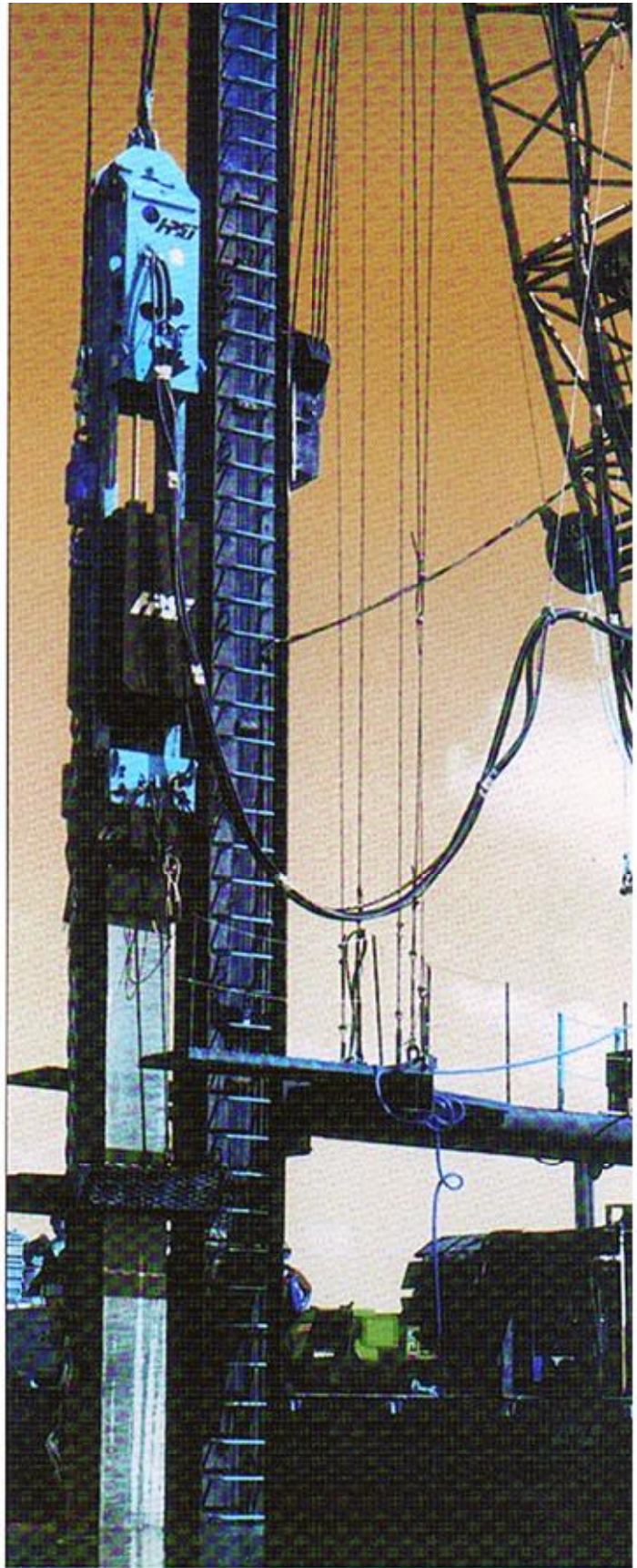
# Hydraulic Impact Pile Hammers

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**HPST**

**HYDRAULIC POWER  
SYSTEMS, INC.**





## Hydraulic Impact Pile Hammer Specifications

	Model 1250		Model 2500		Model 3005	
	(US)	(METRIC)	(US)	(METRIC)	(US)	(METRIC)
Hammer Weight (LBS, KG)	12,500	5,670	25,000	11,340	30,865	14,015
Rated Energy @ Max. Stroke <sup>1</sup> <i>(FT-LBS, KG M)</i>	50,000	6,900	100,000	13,340	154,325	21,308
Rated Energy @ Min. Stroke <sup>2</sup> <i>(FT-LBS, KG M)</i>	8,333	1,152	16,667	2,305	20,576	2,843
Blows Per Minute @ Max. Stroke <sup>3</sup>	40	40	40	40	30	30
Blows Per Minute @ Min. Stroke	70	70	70	70	60	60
Hammer Jaw Size (IN, MM)	8.5 x 20	216 x 508	8.5 x 26	216 x 660	10.5 x 56 <sup>4</sup>	267 x 1,422
Overall Length (FT - IN, M)	19' 2"	5.8	20' 8"	6.3	25' 9"	7.85
Hammer Depth (IN, MM)	33.5	850	39.4	1000	50	1270
Hammer Width (IN, MM)	N/A				55	1397
Hammer Weight (LBS, KG)	18,600	8,220	33,500	15,196	45,180	20,515
Standard Hose Length (FT, M)	100	30.5	150	45.75	150	45.75

## Power Pack Specifications

Horsepower (HP, KW)	110	82	175	130.5	300	224
Operating Pressure (PSI, BAR)	4,000	276	4,600	317	3,850	265.5
Variable Hydraulic Flow Range to <i>(GPM, LPM)</i>	37	140	51	193	90	341
Hydraulic Reservoir Capacity (GAL, LIT)	100	379	150	568	175	662
Fuel Capacity (GAL, LIT)	50	189	70	265	85	322
Weight with Enclosure (LBS, KG)	5,000	2,270	6,800	3,087	11,500	5,220
Dimensions (FT, - IN, M)	7' 0" L	2.14 M	9' 0" L	2.75 M	12' 0" L	3.66 M
	6' 6" H	1.98 M	6' 6" H	1.98 M	8' 0" H	2.44 M
	4' 0" W	1.22 M	4' 0" W	1.22 M	5' 0" W	1.53 M

**Specifications are subject to change without notice.**

## Controls

Triple Redundant electro hydraulic remote controls featuring stroke control from 8" to full stroke, automatic or single blow, variable bpm, engine run/stop, engine throttle and digital read out showing blow count, kinetic energy, ram velocity and equivalent stroke. Unit can be controlled remotely utilizing a control box with sensors on the hammer that automatically maintains the stroke or via the control box without any connection to the hammer. A third control method is provided at the power pack - independent of the control box.

<sup>1</sup>A 4' 0" maximum stroke is standard on all models.

<sup>2</sup>All models have an 8" minimum stroke.

<sup>3</sup>Are at "no set" and can vary due to hammer condition, pile driving operations, stroke setting, dwell setting, pile resistance and ground conditions.

<sup>4</sup>Lead jaw is optional.

## Features

- Made in the USA
- High efficiency blow
- Infinitely variable 8" to maximum stroke
- Variable blow count
- Primary helmet accepts most diesel hammer accessories



Model 3505

(US) (METRIC)

35,265	16,010
176,325	24,360
23,510	3,244
30	30
60	60
10.5 x 56"	267 x 1,422
27" 2"	8.35
50	1270
55	1397
50,690	23,015
150	45.75

300	224
3,850	265.5
90	341
175	662
85	322
11,500	5,220
12' 0" L	3.66 M
8' 0" H	2.44 M
5' 0" W	1.53 M



Model 1250



Model 1250



Model 3505



Model 2500

- Most air-steam helmets can be adapted to fit
- Easy adaption to mast style leads
- Large diameter ram point
- No hammer exhaust pollution - environmentally correct
- Efficient, clean diesel power pack - low fuel consumption

*Primary Helmet with Insert*



*Lead Adapter*



*Lead/Helmet Adapter*



*H-Beam Helmet*



*Primary Helmet*



*Concrete Helmet*



*Silenced Power Pack*



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- Diesel, gasoline and electrically-driven hydraulic power units
  - Hydraulic drilling equipment
  - Barge and rail movers
  - Hydraulic impact hammers
  - Hydraulic vibratory pile hammers
  - Add-on crane drums
  - Winch systems
  - Rigging accessories
  - Hydraulic winches
  - Jet pumps
  - Control systems
  - Hydraulic system design
  - Special applications
  - Custom manufacturing

## **HYDRAULIC POWER SYSTEMS, INC.**

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