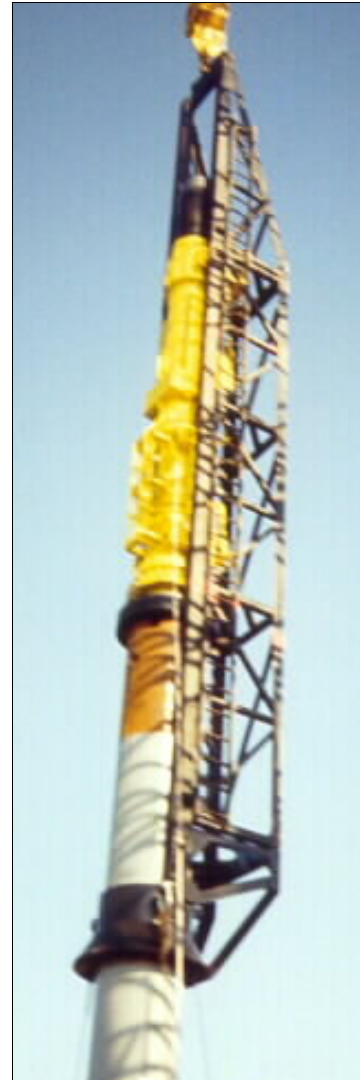


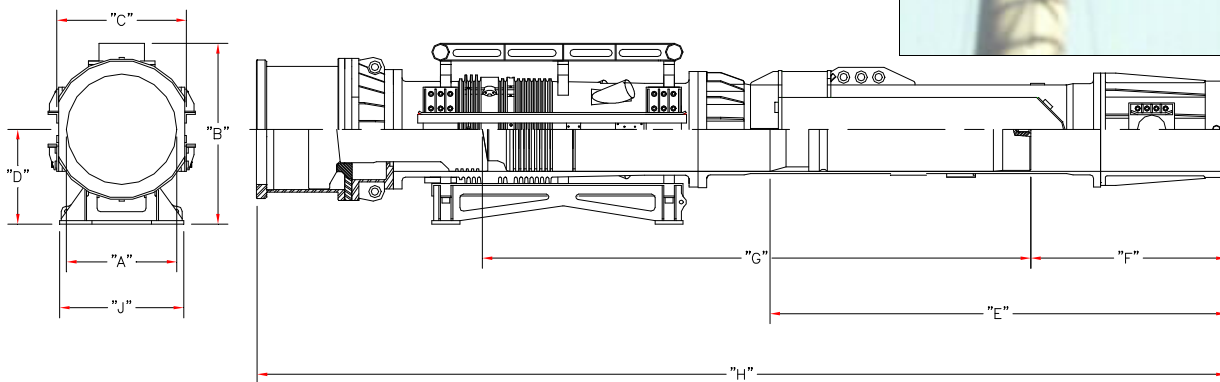
B-6005 General Specifications

Performance		
Ram Weight X Max. Stroke	156,400 ft•lb	212 kN•m
Impact energy	100,100 ft•lb	136 kN•m
Ram weight/mass	13,640 lb	6,000 kg
Maximum ram stroke	11.5 ft	3.5 m
Impact block weight/mass	3,750 lbs	1,740 kg
Blows per minute	35-60	35-60
Operating Weight		
Total operating weight/mass	37,090 lb	16,833 kg
Weight of tool box	150 lb	68 kg
Total shipping weight/mass	37,240 lb	16,091 kg
Capacity		
Fuel tank capacity	45 gal (U.S)	170 liters
Fuel consumption	3 gal/hour	11.3 liters/hr.
Oil tank capacity	9.5 gal (U.S)	36 liters
Oil consumption	0.48 gal/hr	1.7 liters/hr.



Impact Hammers B-6005

Dimensional Specifications

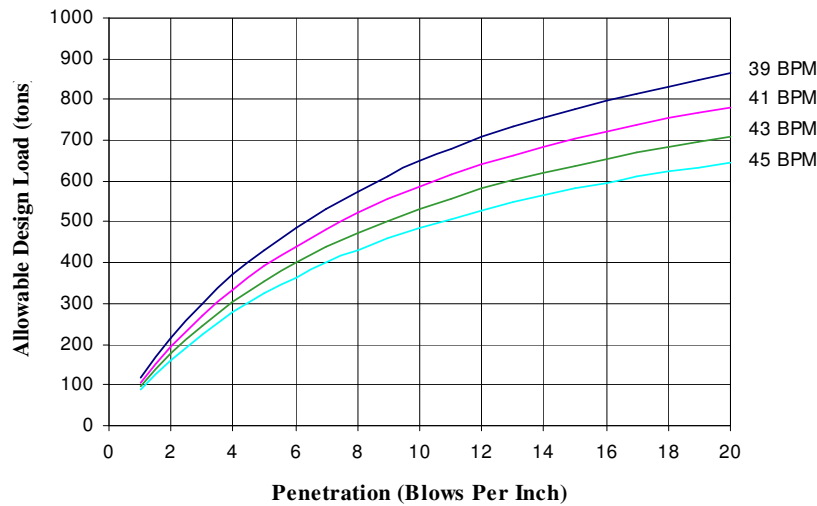


Dimensions		Model B-6005							
Units	A	B	C	D	E	F	G	H	J
Imperial	31.5 in	51.5 in	37 in	27 in	130.3 in	55.8 in	156.6 in	277 in	35.5 in
Metric	800 mm	1308 mm	940 mm	686 mm	3310 mm	1417 mm	3978 mm	7036 mm	902 mm

B-6005 13640 lb Piston					
BPM	Stroke (ft)	Potential Energy (ft.lb)	Velocity (ft/s)	Maximum Impact Force (tons)	Impact Energy (ft.lb)
35	11.8	161,000	22.5	1108	112,700
36	11.2	152,800	22.0	1083	106,400
37	10.6	144,600	21.5	1059	100,100
38	10.0	136,400	21.0	1034	93,900
39	9.5	129,600	20.5	1009	88,800
40	9.0	122,800	20.0	985	83,800
41	8.6	117,300	19.5	961	79,700
42	8.2	111,800	19.0	936	75,700
43	7.8	106,400	18.5	911	71,800
44	7.5	102,300	18.0	887	68,800
45	7.1	96,800	17.5	862	64,900

Stroke height is a function of soil resistance and may not be attainable in certain driving conditions.
 Standard Operating Range.

Pile Capacity (from Engineering News Formula)



WEAP Input Data

Ram			Stroke				
Weight	Length	Diameter	Minimum	Maximum	Efficiency		
13.64 Kips	103 in	23.5 in	4.00	11.80 ft	0.800		
Impact Block Information							
Weight	Length	Diameter	C.o.R	RoundOut			
3.75 Kips	43 in	19.0 in	0.900	0.0100			
Diesel Hammer Combustion Chamber Information							
Combustion Chamber Inf.		Combustion			A I Volume		
C-Stroke	Area	Volume	Delay	Duration	ExpCoef	Ignition	Fin.Comb
13.05 in	452.40 in ²	482.3 in ³	0.000	0.000	1.250	530.7 in ³	562.7 in ³
Atmosphere	FS 1	FS 2	FS 3	FS 4	FS 5	Coeff Conf	
14.7 psi	1400 psi	1300 psi	1200 psi	1100 psi	1000 psi	1.0	
Helmet And Hammer Cushion Properties							
Helmet	Hammer Cushion						
Weight	Material	WEAP Input	CoR	Cushion Area	Thickness		
6.00 Kips	Steel	30000 ksi	0.70	424 in ²	6.0 in		