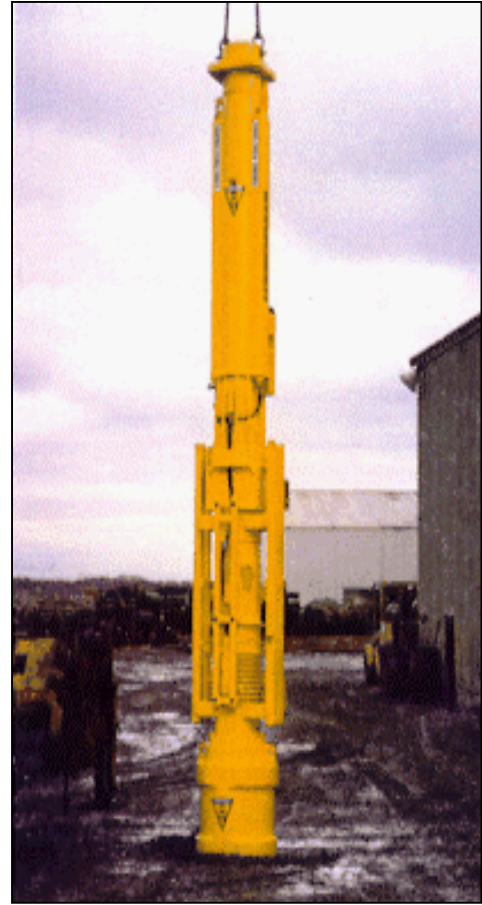


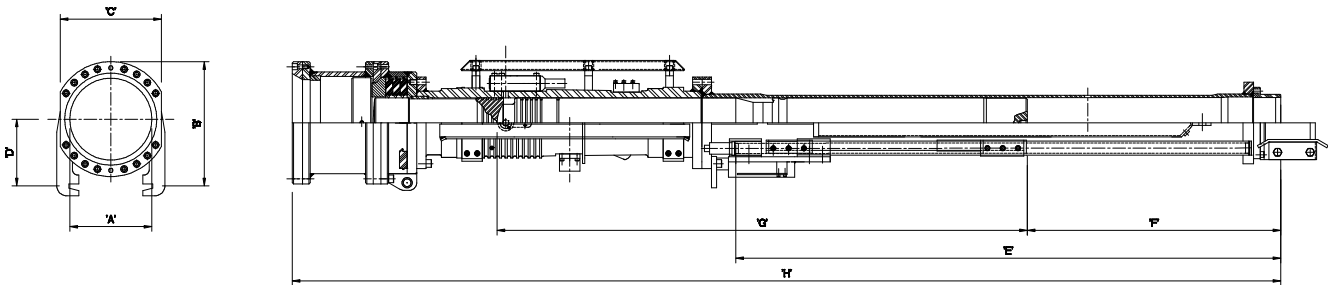
B-2005 General Specifications

Performance		
Ram Weight X Max. Stroke	23,000 ft•lb	31 kN•m
Impact Energy	14,355 ft•lb	19.5 kN•m
Ram weight/mass	2,000 lb	900 kg
Maximum ram stroke	11.5 ft	3.5 m
Impact block weight/mass	580 lb	263 kg
Blows per minute	36-60	36-60
Operating Weight		
Total operating weight/mass	6,200 lb	2,812 kg
Weight of tool box	150 lb	68 kg
Total shipping weight/mass	6,350 lb	2,880 kg
Capacity		
Fuel tank capacity	15 gal (U.S)	57.0 liters
Fuel consumption	1gal/hr.	5 liters/hr.
Oil tank capacity	1.5 gal (U.S)	7.0 liters
Oil consumption	0.16 gal/hr.	0.6 liters/hr.



Impact Hammers B-2005

Dimensional Specifications

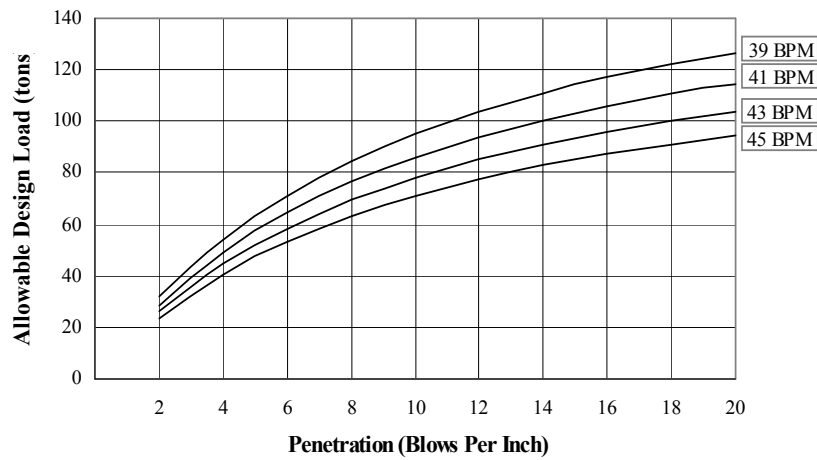


Dimensions	Model-2005							
Units	A	B	C	D	E	F	G	H
Imperial	18.0 in	21 in	21 in	15 in	106.9 in	55.7 in	104 in	199.8 in
Metric	457 mm	525 mm	525 mm	380 mm	2715 mm	1415 mm	2642 mm	5075 mm

BPM	Stroke (ft)	Potential Energy (ft.lb)	Velocity (ft/s)	Impact Energy (ft.lb)
35	11.8	23600	22.5	16520
36	11.2	22400	22.0	15031
37	10.6	21200	21.5	14355
38	10.0	20000	21.0	13696
39	9.5	19000	20.5	13051
40	9.0	18200	20.0	12422
41	8.6	17200	19.5	11809
42	8.2	16400	19.0	11211
43	7.8	15600	18.5	10628
44	7.5	15000	18.0	10062
45	7.1	14400	17.5	9511

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		
2.68 Kips	140 in	9.89 in	4.00 ft	9.00 ft	0.800		
Impact Block Information							
Weight	Length	Diameter	C.o.R	RoundOut			
0.46 Kips	21.47 in	9.81 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
14.16 in	76.08 in ²	78.00 in ³	0.000	0.000	1.250	85.8 in ³	103.1 in ³
Pressure							
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		
1.60 Kips	Steel	30000 ksi	0.70	280 in ²	6 in		