

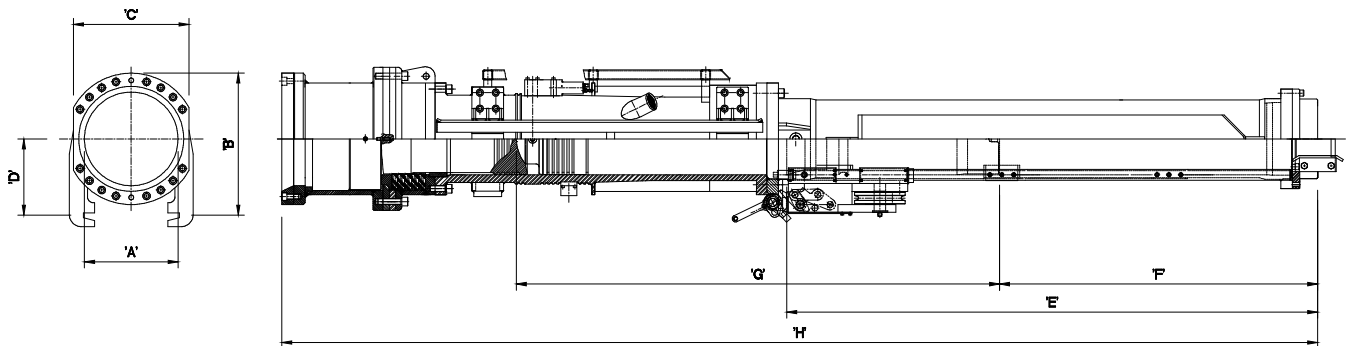
B-5005 General Specifications

Performance		
*Ram Weight X Max. Stroke	87,400 ft•lb	118 kN•m
Impact energy	54,600 ft•lb	74 kN•m
Ram weight/mass	7,600 lb	3,400 kg
Maximum ram stroke	11.5 ft	3.5 m
Impact block weight/mass	2,392 lbs	1,085 kg
Blows per minute	36-60	36-60
Operating Weight		
Total operating weight/mass	22,000 lb	9,978 kg
Weight of tool box	150 lb	68 kg
Total shipping weight/mass	22,150 lb	10,146 kg
Capacity		
Fuel tank capacity	37 gal (U.S)	140 liters
Fuel consumption	2.2 gal/hour	8.3 liters/hr.
Oil tank capacity	8.7gal (U.S)	33 liters
Oil consumption	0.36 gal/hr	1.35 liters/hr.



Impact Hammers B-5005

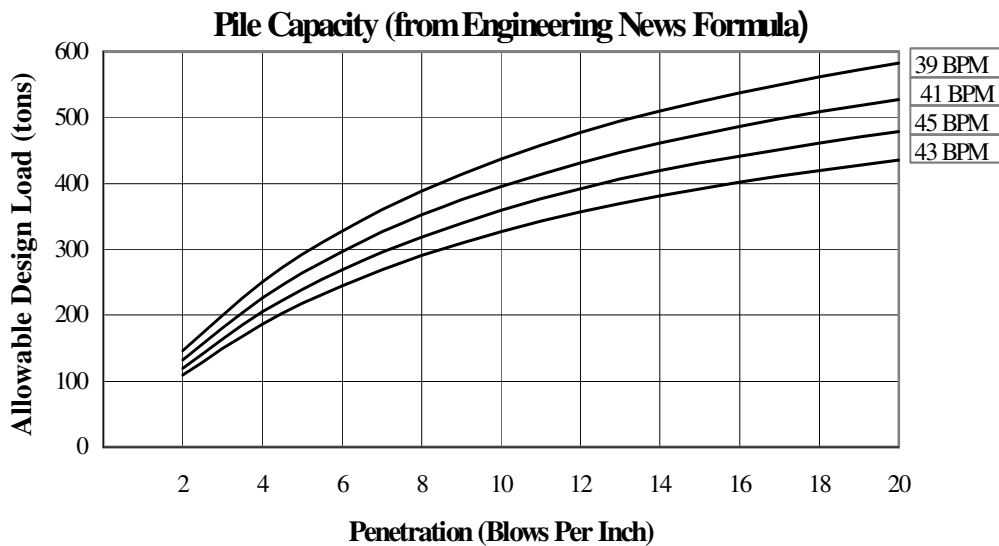
Dimensional Specifications



Dimensions		Model-5005						
Units	A	B	C	D	E	F	G	H
Imperial	24.5 in	42 in	28 in	20 in	133.4 in	53.1 in	148.2 in	260 in
Metric	622 mm	1067 mm	710 mm	508 mm	3388 mm	1349 mm	3764 mm	6604 mm

B-5005 7600 lb Piston					
BPM	Stroke (ft)	Energy (ft.lb)	Velocity (ft/s)	Maximum Impact Force (tons)	Impact Energy (ft.lb)
35	11.8	89,700	22.5	618	62,790
36	11.2	85,120	22.0	604	57,100
37	10.6	80,560	21.5	590	54,600
38	10.0	76,000	21.0	576	52,000
39	9.5	72,200	20.5	563	49,600
40	9.0	68,400	20.0	549	47,200
41	8.6	65,360	19.5	535	44,900
42	8.2	62,320	19.0	521	42,600
43	7.8	59,280	18.5	508	40,400
44	7.5	57,000	18.0	494	38,200
45	7.1	53,960	17.5	480	36,100

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



WEAP Input Data

Ram			Stroke			
Weight	Length	Diameter	Maximum	Minimum	Efficiency	
7.80 Kips	125.00 in	17.80 in	11.80 ft	4.00	.800	
Impact Block Information						
Weight	Length	Diameter	C.o.R	RoundOut		
2.39 Kips	34.75 in	17.60 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
16.50 in	254.47 in ²	343.00 in ³	0.000	0.000	1.250	377.3 in ³
Pressure						
Atmospher	FS 1	FS 2	FS 3	FS 4	FS 5	Coeff. Conf
14.70 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	
4.00 Kips	Steel	30000 Ksi	0.70	424 in ²	6.00 in	