

APE D100-13 Single Acting Impact Hammer

operates on diesel or bio-diesel for all types of impact pile driving



MODEL D100-13 (10.0 metric ton ram)

SPECIFICATIONS

Maximum rated energy	279,102 ft/lbs (378411 Nm)
Minimum rated energy	157,735 ft/lbs (213,860 Nm)
Stroke at rated energy	12.66 ft (3.86 m)
Maximum obtainable stroke	12.5 ft (3.81 m)
Speed (blows per minute)	34-45

WEIGHTS (Approximate)

Ram	22,046 lbs (10,000 kg)
Avil	5,004 lbs (2,270 kg)
Hammer weight (includes trip device)	44,886 lbs (20,360 kg)
Typical operating weight w/ guides & drive cap	Varies- consult factory

CAPACITIES

Fuel tank (runs on diesel or bio-diesel)	40.94 gal (155 liter)
Oil tank	8.45gal (32 liter)

CONSUMPTION

Diesel or Bio-diesel fuel	7.92 gal/hour (30 liter/hour)
Lubrication oil	.77 gal/hour (2.9 liter/hr)
Grease	twice per day

DIMENSIONS OF HAMMER

a	Length overall	250 in (6,358 mm)
a	Length over cylinder extension	289.3 in (7,348 mm)
a	Length over trip tubes	349.3 in (8,872 mm)
b	Impact block diameter	32.28 in (820 mm)
c	Width over bolts	43.7 in (1,110 mm)
d	Hammer width overall	35 in (889 mm)
e	Width for guiding- face to face	31.5 in (800 mm)
f	Hammer center to pump guard	21.57 in (548 mm)
g	Hammer center to bolt center	13.78 in (350 mm)
h	Hammer depth overall	43.7 in (1,110 mm)
H	Minimum clearance for leads	26 in (660 mm)

Features

- Hardened piston needs no high maintenance wear rings*
- Optional direct drive for high speed production on steel piles*
- Fuel pump mounted where heat will not harm it*
- Variable mechanical cam fuel pump- no air pistons or rings*
- Optional hydraulic variable fuel remote control*
- Heavy duty trip system for years of fault free operation*
- Chrome rings for super long life*
- Low maintenance and extremely low parts pricing*

APE D80 and D100-13 can be used in 37 inch box leads.

APE also provides off shore type leads and bottom drive type leaders for super large diameter piles and caissons.



Corporate Offices
7032 South 196th
Kent, Washington 98032 USA
(800) 248-8498 & (253) 872-0141
(253) 872-8710 Fax

Visit our WEB site:
www.apevibro.com
e-mail: ape@apevibro.com