

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)

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.

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*



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