

APE Model D80-23 Single Acting Impact Hammer

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



MODEL D80-23 (8.0 metric ton ram)

SPECIFICATIONS

Maximum rated energy	202,825 ft/lbs (274,993 Nm)
Minimum rated energy	126,192 ft/lbs (171,093 Nm)
Stroke at rated energy	11.5 ft (3.5 m)
Maximum obtainable stroke	12.5 ft (3.81 m)
Speed (blows per minute)	36-45

WEIGHTS (Approximate)

Ram	17,637 lbs (8,000 kg)
Anvil	5,004 lbs (2,270 kg)
Hammer weight (includes trip device)	37,269 lbs (16,905 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	6.6 gal/hour (25 liter/hr)
Lubrication oil	.77 gal/hour (2.9 liter/hr)
Grease	twice per day

DIMENSIONS OF HAMMER

a	Length overall	244 in (6,200 mm)
a	Length over cylinder extension	283 in (7,190 mm)
a	Length over trip tubes	343 in (8,712 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

Fuel injection designed by APE engineers
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
German design at a reasonable price
Two year APE warranty

APE D80-23 can be used in 37 inch US Style box leads.

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



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