

APE D220-42 Single Acting Diesel Impact Hammer

D220-42 With a 2.5 m Bottom Drive.



MODEL D220-42 (22.0 metric ton ram)

SPECIFICATIONS

Stroke at maximum rated energy	135 in (343 cm)
Maximum rated energy (Setting 4)	545,738 ft-lbs (736.75 kNm)
Setting 3	485,706 ft-lbs (655.70 kNm)
Setting 2	420,218 ft-lbs (567.29 kNm)
Minimum rated energy (Setting 1)	332,900 ft-lbs (449.41 kNm)

(Variable throttle allows for infinite fuel settings)

Maximum obtainable stroke	150 in (381 cm)
Maximum obtainable energy	815,938 ft-lbs (1,106 kNm)
Speed (blows per minute)	34-53

WEIGHTS (Approximate)

Ram	48,510 lbs (22,000 kg)
Hammer weight (includes hydraulic trip device)	102,820 lbs (46,630 kg)
Typical operating weight	142,820 lbs (64,770 kg)

CAPACITIES

Fuel tank (<i>runs on diesel or bio-diesel</i>)	95 gal (360 liters)
Oil tank	26 gal (98 liters)

CONSUMPTION

Diesel or Bio-diesel fuel	18 gal/hr (68 liters/hr)
Lubrication	2 gal/hr (7.6 liters/hr)
Grease	8 to 10 pumps every 20 minutes of operation time.

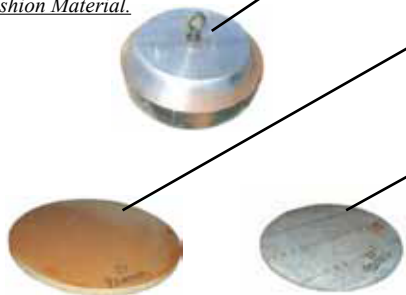
Optional Variable Throttle Control.



STRIKER PLATE

Weight	2,400 lbs (1089 kg)
Diameter	30 in (76.2 cm)
Area	706 in ² (4,555 cm ²)
Thickness	12 in (77.4 cm)

Cushion Material.



CUSHION MATERIAL

Type/Qty	Micarta / 3 each
Diameter	30 in (76.2 cm)
Thickness	1 in (25.4 mm)
Type/Qty	Aluminum / 4 each
Thickness	1/2 in (12.7 mm)
Diameter	30 in (76.2 cm)
Total Combined Thickness	5 in (12.7 cm)
Area	706 in ² (4,555 cm ²)
Elastic-modulus	285 ksi (1,965 mpa)
Coeff. of restitution	

Standard Offshore.



TYPICAL OFFSHORE LEADER

Standard offshore for 98"/2.5m piles and under	Consult Factory
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MINIMUM BOX LEAD SIZE/OPERATING LENGTH

Minimum box leader size	10 in x 60 in (25.4 cm x 152 cm)
Operating length in offshore	432 in (1097.28 cm)



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