



APE Single Acting Diesel Impact Hammer

THE WORLD'S LARGEST PILEDRIVERS

Model D125-42

SPECIFICATIONS

Stroke at Maximum Rated Energy	135 in (343 cm)
Maximum Rated Energy (Setting 4)	310,028 ft-lbs (420.32 kNm)
(Setting 3)	257,323 ft-lbs (348.87 kNm)
(Setting 2)	204,618 ft-lbs (277.41 kNm)
Minimum Rated Energy (Setting 1)	151,913 ft-lbs (205.96 kNm)
<i>(VARIABLE THROTTLE ALLOWS FOR INFINITE FUEL SETTING)</i>	
Maximum Obtainable Stroke	150 in (381 cm)
Maximum Obtainable Energy	344,475 ft-lbs (467.02 kNm)
Speed (Blows Per Minute)	34-53

WEIGHTS (APPROXIMATE)

Piston	27,558 lbs (12,500 kg)
Anvil	6,836 lbs (3,101 kg)
Anvil Cross Sectional Area	630.47 in ² (4,067.54 cm ²)
Hammer Weight (Includes Trip Device)	62,000 lbs (28,123 kg)
Typical Operating (Weight With Offshore Leader)	Consult Factory

CAPACITIES

Fuel Tank (Runs on Diesel or Bio-Diesel)	53 Gal (200.6 Liters)
Oil Tank	8.3 Gal (31.4 Liters)

CONSUMPTION

Diesel or Bio-Diesel	10 Gal/hr (37.8 Liters/hr)
Oil Tank	1 Gal/hr (3.7 Liters/hr)
Grease	8 to 10 Pumps Every 20 Minutes of Operation Time.

STRIKER PLATE

Weight	1,036 lbs (470 kg)
Diameter	25 in (63.5 cm)
Area	491 in ² (3,167.74 cm ²)
Thickness	8 in (20.32 cm)

CUSHION MATERIAL

Type/Qty	Micarata / 2 each
Diameter-DB32	25 in (63.5 cm)
Thickness	1 in (2.54 cm)
Type/Qty	Aluminum / 3 each
Thickness	1/2 in (1.27 cm)
Diameter	25 in (63.5 cm)
Total Combined Thickness	3.5 in (8.89 cm)
Area	491 in ² (3,167.74 cm ²)
Elastic-Modulus	285 ksi (1,965 mpa)
Coeff. of Restitution	0.8

OFFSHORE LEADER

Offshore for 98 in / 2.5 meter piles and under	Consult Factory
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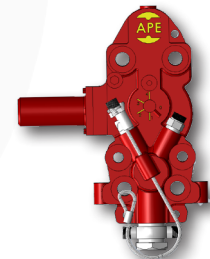
MINIMUM BOX LEAD SIZE / OPERATING LENGTH

Minimum Box Leader Size	8 in x 43 in (20.32 cm x 109 cm)
Operating Length for Offshore Leader	396 in (1,005.84 cm)

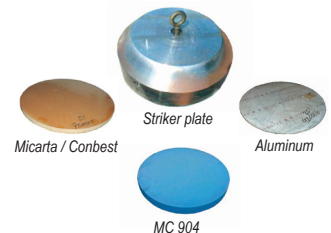


Image may not represent actual Model

Optional Variable Throttle Control



Cushion Material



6" Well Stack up



Specifications may vary due to site conditions, specific hammer conditions or product set up.

Specifications may change without notice.

Consult the factory for details on any specific product (800) 248-8498.

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