



APE Single Acting Diesel Impact Hammer

THE WORLD'S LARGEST PILEDRIVERS

Model D138-42

SPECIFICATIONS

Stroke at Maximum Rated Energy		135 in (343 cm)
Maximum Rated Energy	(Setting 4)	342,326 ft-lbs (464.11 kNm)
	(Setting 3)	284,131 ft-lbs (385.21 kNm)
	(Setting 2)	225,935 ft-lbs (306.31 kNm)
Minimum Rated Energy	(Setting 1)	167,740 ft-lbs (227.41 kNm)
<i>(VARIABLE THROTTLE ALLOWS FOR INFINITE FUEL SETTING)</i>		

Maximum Obtainable Stroke	150 in (381 cm)
Maximum Obtainable Energy	380,363 ft-lbs (515.68 kNm)
Speed (Blows Per Minute)	34-53

WEIGHTS (APPROXIMATE)

Piston	30,424 lbs (13,800 kg)
Anvil	7,665 lbs (3,477 kg)
Anvil Cross Sectional Area	630.47 in ² (4,067.54 cm ²)
Hammer Weight (Includes Trip Device)	70,295 lbs (31,885 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 Gal (30.2 Liters)

CONSUMPTION

Diesel or Bio-Diesel	11 Gal/hr (41.6 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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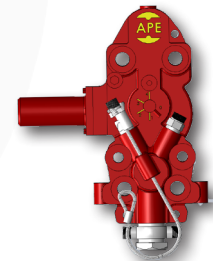
MINIMUM BOX LEAD SIZE / OPERATING LENGTH

Minimum Box Leader Size	8 in x 43 in (20.32 x 109 cm)
Operating Length for Offshore Leader	408 in (1,036.32 cm)

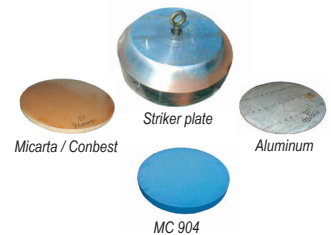


Image may not represent actual Model

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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