APE D128-42 Single Acting Diesel Impact Hammer

D128-42 in an offshore leader.

Optional Variable Throttle Control.

Cushion material.

Typical 54" offshore.

MODEL D128-42 (12.8 metric ton ram)

SPECIFICATIONS:

Stroke at maximum rated energy	135 in (343 cm)
Maximum rated energy (Setting 4)	317,520 ft-lbs (428.65 kNm)
Setting 3	263,542 ft-lbs (355.78 kNm)
Setting 2	238,140 ft-lbs (321.49 kNm)
Minimum rated energy (Setting 1)	203,213 ft-lbs (275.34 kNm)
(Variable throttle allows for infinite fuel settings)	
Maximum obtainable stroke	150 in (381 cm)
Maximum obtainable energy	422,813 ft-lbs (573 kNm)
Speed (blows per minute)	34-53

WEIGHTS (Approximate)

Piston	28,244 lbs (12,800 kg)
Anvil	7,665 lbs (3,476 kg)
Anvil cross sectional area	630.47 in² (4067.54 cm²)
Hammer weight (includes trip device)	68,000 lbs (11,286 kg)
Typical operating (weight with DB26 and H-beam insert)	Consult Factory

CAPACITIES

Fuel tank (runs on diesel or bio-diesel)	53 gal (155 liters)
Oil tank	8 gal (32 liters)

CONSUMPTION:

Diesel or Bio-diesel fuel	10 gal/hr (30 liters/hr)
Lubrication	1 gal/hr (2.9 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 in² (3167.74 cm²)
Thickness	8 in (20.32 cm)

CUSHION MATERIAL:

Type/Qty	Micarta / 2 each
Diameter	25 in (63.5 cm)
Thickness	1 in (25.4 mm)
Type/Qty	Aluminum / 3 each
Thickness	1/2 in (12.7 mm)
Diameter	25 in (63.5 cm)
Total Combined Thickness	3.5 in (8.89 cm)
Area	491 in² (3167.74 cm²)
Elastic-modulus	285 ksi (1,965 mpa)
Coeff. of restitution	0.8

OFFSHORE LEADER:

Offshore for 98"/2.5 meter piles and under	Consult Factory

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	408 in (1036.32 cm)

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