

APE Model D46-42 Single Acting Impact Hammer

D46-42 in a stand-off.



MODEL D46-42 (4.6 metric ton ram)

SPECIFICATIONS

Stroke at maximum rated energy	135 in (343 cm)
Maximum rated energy (Setting 4)	114,615 ft-lbs (155,395 Nm)
Setting 3	95,130 ft-lbs (128,978 Nm)
Setting 2	75,646 ft-lbs (102,561 Nm)
Minimum rated energy (Setting 1)	55,932 ft-lbs (75,833 Nm)
<i>(Variable throttle allows for lower minimum energy and infinite fuel settings.)</i>	

Maximum obtainable stroke	157 in (381 cm)
Maximum obtainable energy	132,704 ft-lbs (179,920 Nm)
Speed (blows per minute)	34-53

WEIGHTS

Ram	10,143 lbs (4,600 kg)
Anvil	1,023 lbs (2,255 kg)
Anvil cross sectional area	367.94 sq in (934.56 sq-cm)
Hammer weight (includes trip device)	25,000 lbs (11,337 kg)
Typical operating (weight with DB32 and pipe insert)	30,302 lbs (13,742 kg)

CAPACITIES

Fuel tank (runs on diesel or bio-diesel)	23.1 gal (89 liters)
Oil tank	4.4 gal (17 liters)

CONSUMPTION

Diesel or Bio-diesel fuel	4.16 gal/hr (15.75 liters/hr)
Lubrication	.39 gal/hr (1.48 liters/hr)
Grease	8 to 10 pumps every 45 minutes of operation time.

Optional Variable Throttle Control.



STRIKER PLATE

Weight	1,036 lbs (470 kg)
Diameter	25 in (57.15 cm)
Area	471 sq-in (696 sq-cm)
Thickness	8 inches (20.32 cm)

CUSHION MATERIAL

Type/Qty	Micarta/2 ea
Diameter	25 in (57.15 cm)
Thickness	1 in (25.4 mm)

Type/Qty	Aluminum/3 ea
Thickness	1/2 in (12.7 mm)
Diameter	25 in (57.15 cm)
Total combined thickness	3 inches (5.08)
Area	490 in (1,246 cm)
Elastic-modulus	285 ksi (1,965 mpa)
Coeff. of restitution	.8

Drive Base Assembly.



DRIVE CAP

DB 32:	2,436 lbs (1,104 kg)
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INSERT WEIGHT

H-Beam insert for 12" (305 mm) and 14" (355 mm):	948 lbs (430 kg)
Large pipe insert for sizes 12" to 24" diameter:	1,830 lbs (830 kg)

MINIMUM BOX LEAD SIZE/OPERATING LENGTH

Minimum box leader size	8 in x 32 in (3.14 cm x 81.28 cm)
Operating length as described above	354 in (9 m)



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