

APE Model D36-42 Single Acting Diesel Impact Hammer

MODEL D36-42 (3.6 metric ton ram)

D36-42 in fixed leads.



SPECIFICATIONS

Stroke at maximum rated energy	135 in (343 cm)
Maximum rated energy (Setting 4)	89,302 ft-lbs (121,076 Nm)
Setting 3	74,450 ft-lbs (100,939 Nm)
Setting 2	59,201 ft-lbs (80,265 Nm)
Minimum rated energy (Setting 1)	43,952 ft-lbs (59,590 Nm)
<i>(Variable throttle allows for lower minimum energy and infinite fuel settings.)</i>	

Maximum obtainable stroke	157 in (381 cm)
Maximum obtainable energy	103,855 ft-lbs (140,807 Nm)
Speed (blows per minute)	34-53

WEIGHTS

Ram	7,938 lbs (3,600 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)	22,795 lbs (10,866 kg)
Typical operating (weight with DB32 and pipe insert)	28,097 lbs (12,742 kg)

CAPACITIES

Fuel tank (runs on diesel or bio-diesel)	23.1 gal (87 liters)
Oil tank	4.5 gal (17 liters)

CONSUMPTION

Diesel or Bio-diesel fuel	3 gal/hr (11 liters/hr)
Lubrication	.39 gal/hr (1.4 liters/hr)
Grease	8 to 10 pumps every 45 minutes of operation time.

Optional Variable Throttle Control



Drive Base Assembly



STRIKER PLATE FOR DB 32

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 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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