

APE Model D25-42 Single Acting Diesel Impact Hammer

MODEL D25-42 (2.5 metric ton ram)

D25-42 with Excavator Mounted Leader.



SPECIFICATIONS

Stroke at maximum rated energy	135 in (343 cm)
Maximum rated energy (Setting 4)	62,291 ft-lbs (84,254 Nm)
Setting 3	56,062 ft-lbs (76,009 Nm)
Setting 2	46,095 ft-lbs (62,496 Nm)
Minimum rated energy (Setting 1)	31,519 ft-lbs (3,561 Nm)
<i>(Variable throttle allows for lower minimum energy and infinite fuel settings.)</i>	

Maximum obtainable stroke	157 in (381 cm)
Maximum obtainable energy	72,115 ft-lbs (97,774 Nm)
Speed (blows per minute)	34-53

WEIGHTS

Ram	5,512 lbs (2,500 kg)
Anvil	1,358 lbs (616 kg)
Anvil cross sectional area	367.94 sq in (934.56 sq-cm)
Hammer weight (includes trip device)	12,569 lbs (5,700 kg)
Typical operating (weight with DB26 and H-beam insert)	15,221 lbs (6,902 kg)

CAPACITIES

Fuel tank (runs on diesel or bio-diesel)	17.4 gal (65.8 liters)
Oil tank	4.9 gal (18.54 liters)

CONSUMPTION

Diesel or Bio-diesel fuel	2.08 gal/hr (7.87 liters/hr)
Lubrication	.26 gal/hr (1 liters/hr)
Grease	8 to 10 pumps every 45 minutes of operation time.

Optional Variable Throttle.



Drive Base Assembly.



STRIKER PLATE FOR DB 26

Weight	628 lbs (284 kg)
Diameter	22.5 in (57.15 cm)
Area	471 sq-in (696 sq-cm)
Thickness	6 inches (15.24 cm)

CUSHION MATERIAL

Type/Qty	Micarta/2 ea
Diameter-DB26	22.5 in (57.15 cm)
Thickness	1in (25.4 mm)

Type/Qty	Aluminum/3 ea
Thickness	1/2 in (12.7 mm)
Diameter	22.5 in (57.15 cm)
Total combined thickness	3 inches (5.08)
Area	471 sq-in (696 sq-cm)
Elastic-modulus	285 ksi (1,965 mpa)
Coeff. of restitution	.8

DRIVE CAP

DB 26:	1,076 lbs (488 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 26 in (3.14 cm x 66 cm)
Operating length w/ base and insert	354 in (9 m)



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