

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)	62,016 ft-lbs (83.72 kNm)
Setting 3	55,814 ft-lbs (75.35 kNm)
Setting 2	45,892 ft-lbs (61.95 kNm)
Minimum rated energy (Setting 1)	31,008 ft-lbs (41.86 kNm)

(Variable throttle allows for infinite fuel settings)

Maximum obtainable stroke	150 in (381 cm)
Maximum obtainable energy	72,115 ft-lbs (97,774 kNm)
Speed (blows per minute)	34-53

WEIGHTS (Approximate)

Ram	5,512 lbs (2,500 kg)
Anvil	1,358 lbs (616 kg)
Anvil cross sectional area	367.94 in ² (2373.80 cm ²)
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	0.26 gal/hr (1 liters/hr)
Grease	8 to 10 pumps every 20 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	398 in ² (2567.74 cm ²)
Thickness	6 in (15.24 cm)

CUSHION MATERIAL

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

Type/Qty	Aluminum / 3 each
Thickness	1/2 in (12.7 mm)
Diameter	22.5 in (57.15 cm)
Total Combined Thickness	3.5 in (8.89 cm)
Area	398 in ² (2567.74 cm ²)
Elastic-modulus	285 ksi (1,965 mpa)
Coeff. of restitution	0.8

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 (20.32 cm x 66 cm)
Operating length w/ base and insert	354 in (900 cm)



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