

# APE Model D25-42 Single Acting Diesel Impact Hammer

*D25-42 with Excavator Mounted Leader.*



## MODEL D25-42 (2.5 metric ton ram)

### 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 (4,600 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)

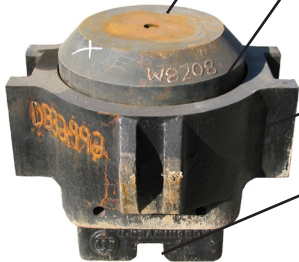
### CONSUMPTION

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	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	3.5 inches (8.89 cm)
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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