APE Model D62-52 Single Acting Diesel Impact Hammer

D62-52 in a stand-off driving Kingpile.



MODEL D62-52 (6.2 metric ton ram)

SPECIFICATIONS

135 in (343 cm) Stroke at maximum rated energy 153,799 ft-lbs (207.63 kNm) Maximum rated energy (Setting 4) Setting 3 127,653 ft-lbs (172.33 kNm) 101,507 ft-lbs (137.03 kNm) Setting 2 76,899 ft-lbs (103.81 kNm) Minimum rated energy (Setting 1)

(Variable throttle allows for infinite fuel settings)

150 in (381 cm) Maximum obtainable stroke Maximum obtainable energy 178,862 ft-lbs (243 kNm) Speed (blows per minute)

WEIGHTS (Approximate)

Ram 13,671 lbs (6,200 kg) Anvil 2,425 lbs (1,100 kg) Anvil cross sectional area 367.94 in² (2373.80 cm²) Hammer weight (includes trip device) 29.100 lbs (13.300 kg) Typical operating (weight with DB32 and pipe insert) 34,402 lbs (15,602 kg)

Fuel tank (runs on diesel or bio-diesel) 25.5 gal (96.52 liters) 8.2 gal (31 liters) Oil tank

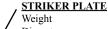
CONSUMPTION

5.2 gal/hr (19.68 liters/hr) Diesel or Bio-diesel fuel Lubrication 0.52 gal/hr (1.96 liters/hr) 8 to 10 pumps every 20 minutes of operation time. Grease

Optional Variable Throttle Control.



Drive Base Assembly.



1,036 lbs (470 kg) Diameter 25 in (63.5 cm) Area 491 in² (3167.74 cm²) 8 in (20.32 cm) Thickness

CUSHION MATERIAL

Type/Qty Micarta / 2 each Diameter 25 in (63.5 cm) 1 in (25.4 mm) Thickness

Aluminum / 3 each Type/Qty Thickness 1/2 in (12.7 mm) Diameter 25 in (63.5 cm) **Total Combined Thickness** 3.5 in (8.89 cm) 491 in2 (3167.74 cm²) Area Elastic-modulus 285 ksi (1,965 mpa) Coeff. of restitution

DRIVE CAP

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

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 (20.32 cm x 81.28 cm) 374 in (949.96 cm) Operating length as described above



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