MODEL D138-42 (13.8 metric ton ram)

SPECIFICATIONS
Stroke at maximum rated energy 135 in (343 cm)
Maximum rated energy (Setting 4) 342,326 ft-lbs (462.14 kNm)
Setting 3 304,670 ft-lbs (411.30 kNm)
Setting 2 263,591 ft-lbs (355.85 kNm)
Minimum rated energy (Setting 1) 219,089 ft-lbs (295.77 kNm)

Maximum obtainable stroke 150 in (381 cm)
Maximum obtainable energy 455,522 ft-lbs (573 kNm)
Speed (blows per minute) 34-53

WEIGHTS (Approximate)
Piston 30,429 lbs (12,800 kg)
Anvil 7,665 lbs (3,476 kg)
Anvil cross sectional area 630.47 in² (4067.54 cm²)
Hammer weight (includes trip device) 70,295 lbs (31,879 kg)
Typical operating (weight with DB26 and H-beam insert) Consult Factory

CAPACITIES
Fuel tank (runs on diesel or bio-diesel) 53 gal (155 liters)
Oil tank 8 gal (32 liters)

CONSUMPTION
Diesel or Bio-diesel fuel 11 gal/hr (30 liters/hr)
Lubrication 1 gal/hr (2.9 liters/hr)
Grease 8 to 10 pumps every 20 minutes of operation time.

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

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

Type/Qty Aluminum / 3 each
Diameter 25 in (63.5 cm)
Thickness 1/2 in (12.7 mm)
Total Combined Thickness 3.5 in (8.89 cm)
Area 491 in² (3167.74 cm²)
Elastic-modulus 285 ksi (1,965 mpa)
Coeff. of restitution 0.8

OFFSHORE LEADER
Offshore for 98”/2.5 meter piles and under Consult Factory

MINIMUM BOX LEAD SIZE/OPERATING LENGTH
Minimum box leader size 8 in x 43 in (20.32 cm x 109 cm)
Operating length for offshore leader 408 in (1036.32 cm)

Note: All specifications are subject to change without notice 08/20/2012