

Specifications: D 12-42 Diesel Pile Hammer

Dimensions approx:

Length of Hammer:	A1	5060 mm	16' 7" ft
Hammer length w/starter guides:	A	5560 mm	18' 2" ft
Outer diameter of impact block:	B	440 mm	1' 4" ft
Min. Guiding Width:	C	533 mm	21" in
Width of hammer:	D	460 mm	17" in
Hammer Center to Pump Guard:	F	310 mm	1' ft
Hammer Center to Trip:	G	245 mm	9.6" in
Hammer Depth:	H	585 mm	1' 9" ft

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Pump Setting 1	20.3 kNm	14,972.5 ft.lbs.
Pump Setting 2	27.7 kNm	19,690 ft.lbs.
Pump Setting 3	33.6 kNm	24,760 ft.lbs.
Pump Setting 4	40.4 kNm	29,798 ft.lbs.

Weights approx:

Weight of diesel pile hammer approx.:	4.15 US tons	8,296 lbs
Weight of piston approx.:	1280 kg	2821.9 lbs
Impact Block approx.:	300 kg	661 lbs
Tripping device approx.:	160 kg	352.74 lbs
Tool box approx.:	75 kg	165.35 lbs

Energy per blow

Max:	40.4 kNm	29,798 ft lbf
Min:	20.3 kNm	14,972.5 ft lbf
Number of blows:		37–52 min

Batter Info

Max. gradient of batter pile driven:	1:2
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Consumption

Diesel fuel:	4.5 L hr.	1.2 gph
Lubrication oil:	.5 L hr.	0.13 gph

Volume

Diesel oil tank:	24 L	6.3 gal
Lube tank:	6.5 L	1.7 gal

