

ANTAELUS DIESEL HAMMERS

TECHNICAL DATA

	Unit	D8	D12	D19	D25	D30	D36	D46	D50	D62	D72	D80	D100	D125	D160
Impact Weight (upper piston)	(lb)	1,764	2,822	4,012	5,512	6,614	7,957	10,142	11,023	15,669	15,873	17,657	22,046	27,558	35,274
Power per stroke	(ft-lb)	9,441-20,062	15,105-32,099	21,389-44,991	28,912-62,292	35,779-76,205	41,672-83,271	53,200-115,355	59,005-132,761	80,025-160,051	90,223-180,688	129,881-200,617	162,264-250,771	202,850-313,464	257,262-381,172
Number of Strokes	(Per Min)	35-52	35-52	35-52	35-52	35-52	35-52	35-52	35-52	35-50	35-50	36-45	36-45	36-45	37-45
Stroke at Max Energy	(in)	159	159	159	159	159	159	159	159	159	159	159	159	159	159
Max Weight Suitable on Pile	(lb)	6,614	11,023	15,228	15,432	17,657	22,046	33,069	44,092	55,116	59,525	66,159	88,185	110,251	154,234
Max Rope Diameter for Trip Gear	(in)	.79	.79	.79	.87	.87	.98	.98	.98	.98	.98	1.18	1.18	1.18	1.50

FUEL CONSUMPTION

	Unit	D8	D12	D19	D25	D30	D36	D46	D50	D62	D72	D80	D100	D125	D160
Fuel (max)	gal/h	1.00	1.32	1.72	2.4	2.67	3.33	4.39	4.39	5.05	5.39	6.87	7.66	11.34	13.22
Lubrication Oil	gal/h	.69	.69	.69	.69	.69	.79	.79	.79	.79	.79	1.32	1.32	1.32	1.32

VOLUME

	Unit	D8	D12	D19	D25	D30	D36	D46	D50	D62	D72	D80	D100	D125	D160
Fuel Tank	gal	8.32	9.11	9.91	16.77	16.77	21.93	21.93	21.4	25.89	25.89	34.08	34.08	48.87	79.25
Lubrication Oil	gal	2.17	2.64	2.64	4.62	4.62	4.49	4.49	5.52	7.79	7.79	11.49	11.49	11.49	19.94

WEIGHT

	Unit	D8	D12	D19	D25	D30	D36	D46	D50	D62	D72	D80	D100	D125	D160
Trip Gear	lb	353	353	353	386	386	1,323	1,323	1,323	1,323	1,323	2,579	2,579	2,579	4,850
Hammer	lb	4,519	6,856	8,267	12,236	13,338	18,078	20,283	25,133	27,117	28,881	37,258	45,327	56,328	72,312

DIMENSIONS

		D8	D12	D19	D25	D30	D36	D46	D50	D62	D72	D80	D100	D125	D160
Height of Hammer	in	174	175	185	193	193	207	207	219	236	236	245	245	251	280
Height w/ Lengthened Cylinder	in	196	197	209	213	213	227	227	-	256	256	265	265	274	294
Max Outer Diameter of Lower Piston	in	13.78	17.32	17.32	22.05	22.05	25.98	25.98	26.39	27.95	27.95	31.89	31.89	35.83	41.73
Horizontal Width of Hammer	in	24.61	24.61	24.61	27.56	27.56	36.61	36.61	39.41	38.58	38.58	43.31	43.31	46.65	54.33
Central Distance Between Hammer & Hammer Guide Screw	in	7.87	11.02	11.02	9.25	9.25	10.83	10.83	12.60	14.96	14.96	13.78	13.78	14.57	18.11
Max Vertical Height of Hammer	in	28.74	30.32	31.30	36.61	36.61	40.55	40.55	44.09	44.49	44.49	54.17	54.17	58.86	63.39

		D8	D12	D19	D25	D30	D36	D46	D50	D62	D72	D80	D100	D125	D160
Central Distance Between Hammer & Lead Guide	in	14.57	15.55	15.94	19.09	19.09	20.87	20.87	21.42	22.05	22.05	28.35	28.35	29.92	32.68
Central Distance of Lead Guide	in	12.99	12.99	12.99	12.99	12.99- 23.62	12.99- 23.62	12.99- 23.62	12.99- 23.62	12.99- 23.62	12.99- 23.62	23.62	23.62	23.62	23.62
Distance between Hammer Center & Protection Board of Fuel Pump	in	11.81	12.87	13.28	14.96	14.96	17.32	17.32	18.11	18.9	18.9	19.5	19.5	22.05	24.41
Max Length of Stroke of Upper Piston	in	140.7	137.5	147	151.3	151.3	145.4	145.4	158.6	177.9	177.9	161.8	161.8	179.4	197.2

DIMENSIONS (CONTINUED)

		D8	D12	D19	D25	D30	D36	D46	D50	D62	D72	D80	D100	D125	D160
Height of Hammer	in	174	175	185	193	193	207	207	219	236	236	245	245	251	280
Height w/ Lengthened Cylinder	in	196	197	209	213	213	227	227	-	256	256	265	265	274	294
Max Outer Diameter of Lower Piston	in	13.78	17.32	17.32	22.05	22.05	25.98	25.98	26.39	27.95	27.95	31.89	31.89	35.83	41.73
Horizontal Width of Hammer	in	24.61	24.61	24.61	27.56	27.56	36.61	36.61	39.41	38.58	38.58	43.31	43.31	46.65	54.33
Central Distance Between Hammer & Hammer Guide Screw	in	7.87	11.02	11.02	9.25	9.25	10.83	10.83	12.60	14.96	14.96	13.78	13.78	14.57	18.11
Max Vertical Height of Hammer	in	28.74	30.32	31.30	36.61	36.61	40.55	40.55	44.09	44.49	44.49	54.17	54.17	58.86	63.39