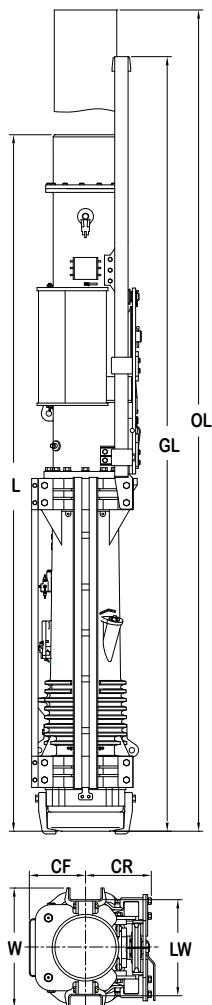


ICE® MODEL I-62^{V2}

DIESEL PILE HAMMER



WORKING HAMMER SPECIFICATIONS

Ram weight	14,595	lbs	6 620	kg
Rated energy (fuel setting 4)	172,375	ft-lbs	233 710	Nm
Stroke at rated energy (fuel setting 4)	11.81	feet	3 600	mm
Energy at fuel setting 3	153,222	ft-lbs	207 740	Nm
Energy at fuel setting 2	138,860	ft-lbs	188 270	Nm
Energy at fuel setting 1	124,490	ft-lbs	168 790	Nm
Energy at maximum stroke	216,330	ft-lbs	293 300	Nm
Maximum geometric stroke	14.82	feet	4 520	mm
Blows per minute	35-50			

WEIGHTS

Bare hammer with trip	28,755	lbs	12 635	kg
Hammer with box lead guides	29,718	lbs	13 480	kg
Drive cap base	DCB-2HD			
Drive cap base weight	1,670	lbs	758	kg
Striker plate	845	lbs	383	kg
Cushion material	134	lbs	61	kg
Pile insert	DCC-24			
Pile insert weight	1,775	lbs	805	kg
Operating weight with drive cap	34,142	lbs	15 487	kg

FLUID CAPACITY

Fuel tank	25.9	gal	98	l
Lube oil tank	7.8	gal	29.5	l

DIMENSIONS

Hammer length (L)	21.1	ft	6 435	mm
Length with trip guides (GL)	24.6	ft	7 485	mm
Length at max stroke (OL)	27.9	ft	8 495	mm
Overall width (W)	37.6	in	954	mm
Standard box leads width (LW)	32	in	813	mm
Overall depth (CR + CF)	36.1	in	1 043	mm
Centerline to rear (CR)	18.8	in	505	mm
Centerline to front (CF)	17.3	in	538	mm

Simple, reliable design
Automatic lubrication
Optional variable fuel control
Optional hydraulic trip
Equipped with ICE® Box leads guides
Uses standard ICE® drive caps
Swinging, fixed and sliding leads options
Spotters available for pile positioning

Constant improvement and engineering progress make it necessary that ICE, Inc reserve the right to make specification changes without notice.
Please consult ICE for the latest available information.

ICE®

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COMPLETE CATALOGS



ICE® MODEL I-62^{V2} - SINGLE-ACTING DIESEL PILE HAMMER - BEARING CHART



This chart is based on the FHWA-modified version of the Gates Formula for pile bearing and is provided as a convenience only for those applications where this formula is specified. ICE® has no preference for this particular formula over any other.

$$R_u = \frac{1}{2} [1.75 \sqrt{E \log(10 N)} - 100]$$

Where:

R_u = Ultimate pile bearing (tons)

E = Rated hammer energy in ft-lbs, or (ram weight × stroke) if lower fuel setting

N = Blow count per 1 in

CAUTION: Driving at ten blows per inch is considered practical refusal. Driving in excess of ten blows per inch for more than six inches of driving or driving in excess of 20 blows per inch at all is considered improper use and will void the hammer warranty.

NOTE: The FHWA recommends using a factor for safety of 3.5 with the Gates formula.

Blows per Minute	Ram Stroke (feet)	Hammer Energy (ft-lbs)	Pile Set (Blows per inch)																		
			2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
32	14.06	205,313	466	536	585	624	655	682	705	725	743	759	774	788	801	813	824	834	844	853	862
33	13.22	193,058	450	518	566	603	634	659	682	701	719	735	749	763	775	787	797	808	817	826	835
34	12.46	181,869	435	501	548	584	614	639	660	679	696	712	726	739	751	762	772	782	792	800	809
35	11.76	171,624	422	485	531	566	595	619	640	658	675	690	704	716	728	739	749	759	768	776	784
36	11.11	162,222	409	471	515	549	577	600	621	639	655	669	683	695	706	717	727	736	745	753	761
37	10.52	153,572	396	457	499	533	560	583	603	620	636	650	663	675	686	696	706	715	723	731	739
38	9.97	145,596	384	443	485	517	544	566	585	602	618	632	644	656	667	677	686	695	703	711	718
39	9.47	138,225	373	431	471	503	528	550	569	586	601	614	626	638	648	658	667	676	684	691	699
40	9	131,400	363	419	458	489	514	535	554	570	584	597	609	621	631	640	649	657	665	673	680
41	8.57	125,068	353	407	446	476	500	521	539	555	569	582	593	604	614	623	632	640	648	655	662
42	8.16	119,184	343	396	434	463	487	507	525	540	554	567	578	589	598	607	616	624	631	638	645
43	7.79	113,705	334	386	423	451	475	494	512	527	540	552	563	574	583	592	600	608	615	622	629
44	7.44	108,595	325	376	412	440	463	482	499	513	527	539	550	560	569	577	586	593	600	607	613
45	7.11	103,822	317	366	402	429	451	470	487	501	514	526	536	546	555	564	571	579	586	592	599
46	6.81	99,357	309	357	392	419	440	459	475	489	502	513	523	533	542	550	558	565	572	578	585
47	6.52	95,174	301	349	382	409	430	448	464	478	490	501	511	521	529	537	545	552	559	565	571
48	6.25	91,250	294	340	373	399	420	438	453	467	479	490	500	509	517	525	533	540	546	552	558
49	6	87,564	287	332	365	390	410	428	443	456	468	479	488	497	506	513	521	528	534	540	546
50	5.76	84,096	280	325	357	381	401	418	433	446	457	468	478	486	495	502	509	516	522	528	534
51	5.54	80,830	274	317	349	373	392	409	423	436	448	458	467	476	484	491	498	505	511	517	522
52	5.33	77,751	267	310	341	365	384	400	414	427	438	448	457	466	474	481	488	494	500	506	511
53	5.13	74,845	261	304	334	357	376	392	406	418	429	439	448	456	464	471	478	484	490	495	501

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