



# Specifications for 40DB-89-48

## Gear Reducer

Peak Torque Rating ----- 40,000 in. lbs.  
 Nominal Horsepower Rating (at 20 SPM) ----- 10.0  
 Reduction Ratio (Double Reduction) ----- 32:1  
 Type of Bearings ----- Taperd Roller  
 Sheave Pitch Dia, Number of Grooves, and Section ----- 18 inches, 3-AB  
 Gear Design ----- Helical, Ductile Iron  
 Pinion Design ----- Helical, Heat Treated Steel  
 Oil Capacity ----- 7.5 Gallons

## Structure

Structure Rating ----- 8,900 lbs.  
 Stroke Length Selections ----- 36" - 42" - 48"  
 Well Working Center ----- 50 inches  
 Walking Beam size, weight, and section ----- 12" x 40.8# I  
 Height of Saddle Bearing above top of foundation ----- 92 inches  
 Overall Length of T-Base Frame ----- 124 inches  
 Overall Length of Wide Base Frame ----- 154 inches  
 Width of Base of Samson Post ----- 36 inches  
 Main Base Members size, weight, and section ----- 8" x 11.8# C Channel  
 Beam Counterweights ----- 150 lbs. each  
 Approximate weight of the Pump Jack - T-Base Frame ----- 2,680 lbs.  
 Approximate weight of the Pump Jack - Wide Base Frame ----- 3,150 lbs.  
 Wrist Pins equipped with double row taper roller bearings.

Stroke Length	Pump Diameter	Lbs Counterbalance Required Per 100' Depth Sucker Rod Diameter		10 S.P.M.			20 S.P.M.		
				Max Well Depth in Ft Sucker Rod Diameter		Bbls Per 24 Hours	Max Well Depth in Ft Sucker Rod Diameter		Bbls Per 24 Hours
				5/8	3/4		5/8	3/4	
36	1-1/16	68	92	4937	3644	38	4439	3644	76
	1-1/4	71	95	4682	3503	52	3680	3175	105
	1-1/2	77	101	4327	3300	75	2895	2574	151
	1-3/4	84	108	3523	3089	103	2313	2103	206
	1-25/32	85	109	3412	3036	107	2251	2052	213
	2	92	116	2757	2677	134	1877	1736	268
	2-1/8	96	120	2463	2399	151	1701	1584	303
	2-1/4	101	125	2212	2160	170	1547	1450	340
	2-1/2	111	135	1811	1777	210	1292	1224	420
	2-3/4	122	146	1509	1485	254	1094	1044	508
42	1-1/16	68	92	4937	3644	44	3387	2811	89
	1-1/4	71	95	4682	3503	61	2836	2421	122
	1-1/2	77	101	3825	3300	88	2255	1985	176
	1-3/4	84	108	2918	2795	120	1816	1636	240
	1-25/32	85	109	2827	2711	124	1769	1598	249
	2	92	116	2292	2215	157	1483	1361	313
	2-1/8	96	120	2050	1988	177	1347	1245	353
	2-1/4	101	125	1843	1793	198	1227	1142	396
	2-1/2	111	135	1512	1478	245	1029	969	490
	2-3/4	122	146	1262	1238	296	873	829	593
36	1-1/16	68	92	4937	3644	51	2670	2197	101
	1-1/4	71	95	4340	3503	70	2255	1908	140
	1-1/2	77	101	3222	3026	101	1809	1578	201
	1-3/4	84	108	2470	2353	137	1466	1311	274
	1-25/32	85	109	2394	2284	142	1429	1281	284
	2	92	116	1946	1873	179	1203	1096	358
	2-1/8	96	120	1743	1684	202	1095	1006	404
	2-1/4	101	125	1569	1521	227	1000	925	453
	2-1/2	111	135	1290	1257	280	841	787	560
	2-3/4	122	146	1077	1055	339	715	676	677

>>>Note: Well Production Based on Pump Efficiency of 80%

## Cook Pump Company

1400 West 12th Street, P.O. Box 498, Coffeyville Kansas 67337, USA

tel: 1-620-251-0880, fax: 1-620-251-7535, eml: Cook@CookPumpingJacks.com, url: www.CookPumpingJacks.com

Constant improvement and engineering progress makes it necessary for us to reserve the right to make specification, equipment, and price changes without notice. Illustrations may include optional equipment and accessories and may not include all standard and safety equipment. All rights reserved.