



Specifications for 25DB-67-36

Gear Reducer

Peak Torque Rating ----- 25,000 in. lbs.
 Nominal Horsepower Rating (at 20 SPM) ----- 7.7
 Reduction Ratio (Double Reduction) ----- 33:1
 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 ----- 4.5 Gallons

Structure

Structure Rating ----- 6,700 lbs.
 Stroke Length Selections ----- 28" - 31" - 36"
 Well Working Center ----- 44 inches
 Walking Beam size, weight, and section ----- 2" x 22# WF
 Height of Saddle Bearing above top of foundation ----- 81 inches
 Overall Length of T-Base Frame ----- 112 inches
 Overall Length of Wide Base Frame ----- 147 inches
 Width of Base of Samson Post ----- 36 inches
 Main Base Members size, weight, and section ----- 7" x 9.8# C Channel
 Beam Counterweights ----- 150 lbs. each
 Approximate weight of the Pump Jack - T-Base Frame ----- 1,850 lbs.
 Approximate weight of the Pump Jack - Wide Base Frame ----- 2,325 lbs.
 Wrist Pins equipped with double row taper roller bearings.

Note: This model is not equipped with brakes. (Optional Brake is available.)

Stroke Length	Pump Diameter	Lbs Counterbalance Required Per 100' Depth Sucker Rod Diameter		10 S.P.M.			20 S.P.M.		
		5/8	3/4	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	
28	1-1/16	68	92	4214	3207	30	3875	2931	59
	1-1/4	71	95	3856	2995	41	3330	2753	82
	1-1/2	77	101	3399	2712	59	2586	2327	117
	1-3/4	84	108	2934	2439	80	2046	1880	160
	1-25/32	85	109	2840	2407	83	1990	1833	166
	2	92	116	2287	2166	104	1649	1539	209
	2-1/8	96	120	2039	1996	125	1489	1399	250
	2-1/4	101	125	1830	1795	132	1351	1277	264
	2-1/2	111	135	1496	1472	163	1124	1073	327
	2-3/4	122	146	1244	1228	198	949	911	395
31	1-1/16	68	92	4214	3207	33	3433	2900	65
	1-1/4	71	95	3856	2995	45	2829	2457	90
	1-1/2	77	101	3399	2712	65	2212	1978	130
	1-3/4	84	108	2650	2439	89	1759	1608	177
	1-25/32	85	109	2565	2407	92	1712	1568	184
	2	92	116	2066	2016	116	1423	1322	231
	2-1/8	96	120	1842	1802	139	1287	1204	277
	2-1/4	101	125	1653	1621	146	1169	1100	293
	2-1/2	111	135	1351	1330	181	975	927	362
	2-3/4	122	146	1124	1109	219	824	789	437
36	1-1/16	68	92	4183	3182	38	2774	2328	76
	1-1/4	71	95	3830	2974	52	2300	1984	105
	1-1/2	77	101	2901	2694	75	1810	1608	151
	1-3/4	84	108	2202	2121	103	1445	1314	206
	1-25/32	85	109	2133	2057	107	1407	1283	213
	2	92	116	1723	1673	134	1173	1085	268
	2-1/8	96	120	1539	1499	161	1062	990	322
	2-1/4	101	125	1382	1350	170	967	906	340
	2-1/2	111	135	1132	1110	210	808	765	420
	2-3/4	122	146	943	928	254	684	653	508

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

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