



## JCPUMP - API No. 16DB-43-30

### Gear Reducer

Peak Torque Rating	16,000 in. lbs.
Nominal Horsepower Rating (at 20 S.P.M.)	3.5
Reduction Ratio (Double Reduction)	32:1
Type of Bearings	Tapered Roller
Pulley	3-B x 18"
Oil Capacity (GL-5 80W-90)	3.8 Gallons

### Frame Structure

Unit Structure Rating	4,300 lbs.
Range of Stroke	23"-30"
Well Working Center	40"
Walking Beam Section and Weight	W10 x 19 lbs.
Height of Saddle Bearing above Foundation	73"
Wide Base Dimensions	128" x 37"
T-Base Dimensions	106" x 31"
Section and Weight of Main Base Members	C6 x 8.2 lbs.
Beam Counter Weights	140 lbs. Each
Wrist Pin Bearings	Tapered Roller
Weight of T-Base Unit (Approx.)	1,185 lbs.
Weight of Wide Base Unit (Approx.)	1,470 lbs.
Custom paint colors available	

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Stroke Inches	Pump Size	Counter Bal. Required per 100 ft.		20 S.P.M. Maximum Depth in Feet		10 S.P.M. Maximum Depth in Feet		20 SPM. Barrels Per 24 Hours
		Rod Size		Rod Size		Rod Size		
		5/8	3/4	5/8	3/4	5/8	3/4	
23	1 1/16	68	92	2386	1760	2386	1760	49
	1 1/4	71	95	2262	1692	2262	1692	67
	1 1/2	77	101	2071	1595	2091	1595	97
	1 3/4	84	108	1724	1486	1919	1493	132
	2	92	116	1381	1300	1683	1390	172
	2 1/4	101	125	1126	1072	1469	1261	217
26	2 1/2	111	135	934	896	1198	1127	268
	2 3/4	122	146	786	759	996	985	324
	1 1/16	68	92	2386	1760	2386	1760	55
	1 1/4	71	95	2262	1692	2262	1692	76
	1 1/2	77	101	1834	1595	2091	1595	109
	1 3/4	84	108	1447	1334	1913	1493	149
30	2	92	116	1163	1089	1576	1390	194
	2 1/4	101	125	952	902	1261	1237	245
	2 1/2	111	135	791	756	1031	1015	303
	2 3/4	122	146	667	642	858	846	367
	1 1/16	68	92	2348	1760	2386	1760	64
	1 1/4	71	95	1928	1680	2262	1692	88
30	1 1/2	77	101	1503	1348	2091	1595	126
	1 3/4	84	108	1192	1092	1752	1493	172
	2	92	116	962	896	1366	1333	224
	2 1/4	101	125	790	745	1093	1072	283
	2 1/2	111	135	658	627	893	879	350
	2 3/4	122	146	556	533	743	734	423

Note: Well Production is Based on Pump Efficiency of 80% @ 20 SPM.