

DY Downhole Motor Technical Parameters (1)

Tool Model		5LZ73	5LZ80	7LZ89	5LZ95	7LZ95	5LZ102	5LZ120	7LZ120	9LZ120	7LZ127	5LZ130	5LZ146	5LZ165	3LZ172	5LZ172	7LZ172	9LZ172
Hool Size Range (mm)		95-149	118-152	118-152	118-152	118-152	118-152	149-191	149-191	149-191	149-191	149-191	170-216	213-251	213-251	213-251	213-251	213-251
Thread connection	Box-Up	2-3/8 TBG	2-3/8 TBG	2-3/8 REG	2-7/8 REG	2-7/8 REG	2-7/8 REG	3-1/2 REG (NC38)	3-1/2 REG (NC38)	NC38	NC38	NC38	4-1/2 REG	4-1/2 REG (NC46 NC50)	4-1/2 REG (NC46 NC50)	4-1/2 REG (NC46 NC50)	4-1/2 REG (NC46 NC50)	4-1/2 REG (NC46 NC50)
	Box-down	2-3/8 TBG	2-3/8 TBG	2-3/8 REG	2-7/8 REG	2-7/8 REG	2-7/8 REG	3-1/2 REG	3-1/2 REG	3-1/2 REG	3-1/2 REG	3-1/2 REG	4-1/2 REG	4-1/2 REG	4-1/2 REG	4-1/2 REG	4-1/2 REG	4-1/2 REG
Recommended Flow Rate (L/S)		2~5	3~7	5~9	6~10	6~10	6~11	9~16	9~16	9~16	10~18	9~16	12~20	16-30	16-32	16-30	16-32	16-32
Bit Speed Range R/M)		100-230	95-210	90-165	115-200	100-170	105-190	120-185	85-150	65-116	70-130.	100-180	90-175	95-180	125-200	95-180	70-145	55-100
Motor Differential Pressure (Mpa)		2	2	2.4	2.4	2.4	2.4	2.4	3.2	3.2	3.2	3.2	2.4	4	4	4	4	4
Operation Pressure (N. M)		320	450	710	850	900	1100	2200	2550	3000	2980	2350	2600	5250	4430	5400	7600	8450
Output Power (KW)		4~9	6~10	7~12	10.5~17	10~16	12~23	25-44	23~40	20-36	20~41	25~45	24-48	54-100	58~93	54-100	64-102	51-90
Bit Differential Pressure (Mpa)		1.5-7.0	1.5-7.0	1.5-7.0	1.5-7.0	1.5~7.0	1.5-7.0	1.5-7.0	1.5-7.0	1.5-7.0	1.5-7.0	1.5-7.0	1.5-7.0	1.5-7.0	1.5-7.0	1.5-7.0	1.5-7.0	1.5-7.0
Recommended Bit Weight (t)		1	1.2	1.5	2	2	2	3	3	4	4	4	5	8	8	8	9	10
Maximum Bit Weight		2	2.5	3	4	4	4	5	5	6	6	6	8	15	12	15	15	16
Overall Length (m)		3.3	2.95	3.9	3.9	3.9	4.2	5.1	5.1	5.1	5.86	5.86	5.19	8	8	8	8	8
Tool Weight (Kg)		90	110	130	160	160	180	420	420	420	500	500	550	950	1000	1050	1050	1050

DY Downhole Motor Technical Parameters (2)

Tool Model		5LZ185	7LZ185	9LZ185	5LZ197	7LZ197												
Hool Size Range (mm)		222-251	222-251	222-251	241-311	241-311	241-311	251-311	251-311	251-311	311-375	311-375	311-375	311-375	311-445	311-445	375-660	
Thread connection	Box-Up	NC50	NC50	NC50	5-1/2 REG (NC50)	5-1/2 REG (NC50)	5-1/2 REG (NC50)	6-5/8 REG	6-5/8 REG	6-5/8 REG	6-5/8 REG	6-5/8 REG	6-5/8 REG	6-5/8 REG	6-5/8 REG	6-5/8 REG (7-5/8REG)	6-5/8 REG (7-5/8REG)	7-5/8 REG (8-5/8REG)
	Box-down	6-5/8 REG	6-5/8 REG	6-5/8 REG	6-5/8 REG	6-5/8 REG	6-5/8 REG	6-5/8 REG	6-5/8 REG	6-5/8 REG	6-5/8 REG	6-5/8 REG	6-5/8 REG	6-5/8 REG	6-5/8 REG	6-5/8 REG (7-5/8REG)	6-5/8 REG (7-5/8REG)	7-5/8 REG (8-5/8REG)
Recommended Flow Rate(L/S)		20-35	20-35	20-35	22-40	22-40	22-40	30-50	30-50	30-50	35-55	35-60	35-60	40-65	45-75	45-75	50-95	
Bit Speed Range R/M)		100-155	65-110	50-85	90-160	60-103	50-85	90-150	70-115	50-88	70-110	85-145	72-145	85-138	80-135	80-135	62-118	
Motor Differential Pressur Operation Pressure (N. M)		4	4	4	3.2	3.2	3.2	3.2	3.2	3.2	4	4	4	3.2	3.2	3.2	3.2	
Output Power (KW)		7300	8850	9900	7100	9670	10800	8800	10900	12200	11500	10500	12600	11500	13300	14500	17800	
Bit Differential Pressure (Mpa)		70-115	60-103	52-91	60-110	78-105	60-110	81-135	80-133	67-112	90-140	95-160	95-160	102-165	110-185	125-205	115-220	
Recommended Bit		1.5-7.0	1.5-7.0	1.5-7.0	1.5-7.0	1.5-7.0	1.5-7.0	1.5-7.0	1.5-7.0	1.5-7.0	1.5-7.0	1.5-7.0	1.5-7.0	1.5-7.0	1.5-7.0	1.5-7.0	1.5-7.0	
Maximum Bit Weight		12	12	12	12	12	12	12	12	12	13	14	14	16	18	18	20	
Overall Length (m)		18	18	18	18	18	18	20	20	20	21	25	25	30	33	33	35	
Tool Weight (Kg)		8.47	8.47	8.47	7.83	7.83	7.83	8.08	8.08	8.08	8.5	8.64	8.64	8.8	9	9	9.5	
		1200	1200	1200	1300	1300	1350	1400	1400	1400	1500	1500	1500	1800	2200	2300	3250	