

1. Drilling Motors

Model	Unit	5LZ43×7.0V	5LZ54×7.0VI	5LZ60×7.0V	5LZ73×7.0III	5LZ73×7.0V	5LZ89×7.0III	5LZ95×7.0IV	5LZ95×7.0V
Bit Size	in	1 ⁷ / ₈ -3	2 ³ / ₈ -3 ¹ / ₂	3 ¹ / ₈ -4 ³ / ₈	3 ³ / ₈ -4 ³ / ₈	3 ³ / ₈ -4 ³ / ₈	4 ¹ / ₂ -6	4 ⁵ / ₈ -6	4 ⁵ / ₈ -6
OD	mm	44	56	60.5	74	74	89	96	96
ABH	°	-	-	-	0-3	0-3	0-3	0-4	0-4
Lobe		⁵ / ₆	⁵ / ₆	⁵ / ₆	⁵ / ₆	⁵ / ₆	⁵ / ₆	⁵ / ₆	⁵ / ₆
Stage		5	6	5	3	5	3	4	5
Pressure	Mpa	4	4.8	4	2.4	4	2.4	3.2	4
Flow Rate	l/s	1-1.7-2.5	1.3-2.2-3.2	1.3-2.2-3.2	2-5-7	3-6-9	3-6.5-10	5-8-12	5.4-9.3-13.2
Flow Per Revolution	l/r	0.27	0.34	0.56	0.9	1.07	1.53	2.5	2.6
Bit Speed	rpm	222-378-555	230-390-565	140-237-344	133-333-467	168-336-504	118-255-392	120-192-288	126-217-308
Torque	N·m	150	320	438	320	820	730	1590	2070
Max.torque	N·m	225	480	657	480	1230	1095	2385	3105
Output Power	Kw	2.6-6.4	4.4-10.8	6.4-15.7	4.8-17	15-43	10-30	20-48	27-66
Weight on Bit	KN	2.5	4	4	15	15	20	25	25
Max. Weight on Bit	KN	6	8	8	20	20	30	50	50
Connection	up	1 AMMT	1 ¹ / ₂ REG	1 ¹ / ₂ REG	2 ³ / ₈ TBG	2 ³ / ₈ TBG	2 ³ / ₈ REG	2 ⁷ / ₈ REG	2 ⁷ / ₈ REG
	down	1 AMMT	1 ¹ / ₂ REG	1 ¹ / ₂ REG	2 ³ / ₈ REG	2 ³ / ₈ REG	2 ³ / ₈ REG	2 ⁷ / ₈ REG	2 ⁷ / ₈ REG
Length	mm	2967	3587	4153	3670	4189	3430	4835	5630
Weight	Kg	25	56	64	85	100	128	160	170



Model	Unit	5LZ120×7.0IV	5LZ120×7.0V	7LZ120×7.0III	5LZ127×7.0V	5LZ127×7.0VIII	7LZ127×7.0IV	7LZ165×7.0V	5LZ165×7.0V
Bit Size	in	5 7/8-7 7/8	5 7/8-7 7/8	5 7/8-7 7/8	5 7/8-7 7/8	5 7/8-7 7/8	5 7/8-7 7/8	8 3/8-9 7/8	8 3/8-9 7/8
OD	mm	122	122	122	127	127	127	167	167
ABH	°	0-3	0-3	0-3	0-3	0-3	0-3	0-3	0-3
Lobe		5/6	5/6	7/8	5/6	5/6	7/8	7/8	5/6
Stage		4	5	3	5	8	4	5	5
Pressure	Mpa	3.6	4	3	4	6.5	3.2	4	4
Flow Rate	l/s	10-14-18	9-13-16	10-15-19	9-13-16	9.5-13-19	9-14-18	21.5-30-38	18-24-28
Flow Per Revolution	l/r	5	4.8	7.6	6	3.9	6.9	14.3	10
Bit Speed	rpm	120-170-220	110-162-200	80-118-150	90-130-160	145-198-290	78-121-156	90-126-160	106-142-165
Torque	N·m	2800	2280	3680	3040	4160	3580	7400	6200
Max.torque	N·m	4900	3990	6620	5320	6240	6265	13320	10850
Output Power	Kw	40-72	36-64	32-62	36-64	63-126	41-81	86-152	72-112
Weight on Bit	KN	40	40	40	50	50	50	100	100
Max. Weight on Bit	KN	60	60	60	70	70	70	160	160
Connection	up	3 1/2REG	3 1/2REG	3 1/2REG	3 1/2REG	3 1/2REG	3 1/2REG	4 1/2REG	4 1/2REG
	down	3 1/2REG	3 1/2REG	3 1/2REG	3 1/2REG	3 1/2REG	3 1/2REG	4 1/2REG	4 1/2REG
Length	mm	6517	5715	7125	6547	8431	6547	8233	8317
Weight	Kg	374	333	409	441	566	441	1028	1044



Model	Unit	5LZ172×7.0V	5LZ172×7.0VI	7LZ172×7.0V	7LZ172×7.0VI	5LZ197×7.0V	5LZ197×7.0VI	7LZ197×7.0IV	7LZ197×7.0V
Bit Size	in	8 ³ / ₈ -9 ⁷ / ₈	8 ³ / ₈ -9 ⁷ / ₈	8 ³ / ₈ -9 ⁷ / ₈	8 ³ / ₈ -9 ⁷ / ₈	9 ⁷ / ₈ -12 ¹ / ₄	9 ⁷ / ₈ -12 ¹ / ₄	9 ⁷ / ₈ -12 ¹ / ₄	9 ⁷ / ₈ -12 ¹ / ₄
OD	mm	174	174	174	174	197	197	197	197
ABH	°	0-3	0-3	0-3	0-3	0-3	0-3	0-3	0-3
Lobe		⁵ / ₆	⁵ / ₆	⁷ / ₈	⁷ / ₈	⁵ / ₆	⁵ / ₆	⁷ / ₈	⁷ / ₈
Stage		5	6	5	6	5	6	4	5
Pressure	Mpa	4	4.8	4	4.8	4	5	3.2	4
Flow Rate	l/s	24-28-32	24-28-32	25-32-36	25-32-36	25-34-40	25-40-55	30-45-65	25-34-40
Flow Per Revolution	l/r	12	12	15	15	15	13	25.7	16.8
Bit Speed	rpm	120-140-160	120-140-160	100-128-144	100-128-144	100-136-160	115-183-250	70-105-150	90-120-144
Torque	N·m	6600	7800	7860	9500	7800	10000	11000	8500
Max.torque	N·m	10560	12480	13780	16650	14040	15000	19800	14875
Output Power	Kw	96-142	115-146	102-152	120-182	100-160	120-192	135-192	112-160
Weight on Bit	KN	100	100	100	100	170	170	170	170
Max. Weight on Bit	KN	180	180	180	180	250	250	250	250
Connection	up	4 ¹ / ₂ REG	4 ¹ / ₂ REG	4 ¹ / ₂ REG	4 ¹ / ₂ REG	6 ⁵ / ₈ REG	6 ⁵ / ₈ REG	6 ⁵ / ₈ REG	6 ⁵ / ₈ REG
	down	4 ¹ / ₂ REG	4 ¹ / ₂ REG	4 ¹ / ₂ REG	4 ¹ / ₂ REG	6 ⁵ / ₈ REG	6 ⁵ / ₈ REG	6 ⁵ / ₈ REG	6 ⁵ / ₈ REG
Length	mm	8180	8780	8160	8780	8066	8833	8433	8066
Weight	Kg	1122	1168	1138	1246	1392	1454	1483	1392



Model	Unit	5LZ203×7.0V	5LZ203×7.0VI	7LZ203×7.0IV	7LZ203×7.0V	7LZ244×7.0IV	5LZ244×7.0V	5LZ286×7.0IV	5LZ286×7.0V
Bit Size	in	9 ⁷ / ₈ -12 ¹ / ₄	9 ⁷ / ₈ -12 ¹ / ₄	9 ⁷ / ₈ -12 ¹ / ₄	9 ⁷ / ₈ -12 ¹ / ₄	12 ¹ / ₄ -17 ¹ / ₂	12 ¹ / ₄ -17 ¹ / ₂	14 ³ / ₄ -26	14 ³ / ₄ -26
OD	mm	203	203	203	203	244	244	286	286
ABH	°	0-3	0-3	0-3	0-3	0-3	0-3	0-3	0-3
Lobe		⁵ / ₆	⁵ / ₆	⁷ / ₈	⁷ / ₈	⁷ / ₈	⁵ / ₆	⁵ / ₆	⁵ / ₆
Stage		5	6	4	5	4	5	4	5
Pressure	Mpa	4	5	3.2	4	3.2	4	3.2	4
Flow Rate	l/s	25-34-40	25-40-55	30-45-65	25-34-40	40-53-65	40-50-60	55-65-80	37.5-55-70
Flow Per Revolution	l/r	15	13.1	25.7	16.8	33.3	25.4	40.2	31.5
Bit Speed	rpm	100-136-160	115-183-250	70-105-150	90-120-144	72-95-117	95-118-140	82-97-118	71-105-133
Torque	N·m	7800	10000	11000	8500	17000	14700	18800	18500
Max.torque	N·m	14040	15000	19800	14875	29750	25730	33840	33300
Output Power	Kw	100-160	120-192	135-192	112-160	128-228	134-200	176-268	110-201
Weight on Bit	KN	170	170	170	170	180	180	200	200
Max. Weight on Bit	KN	250	250	250	250	280	280	300	300
Connection	up	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 / ₈ REG	7 ⁵ / ₈ REG
	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	7 ⁵ / ₈ REG	7 ⁵ / ₈ REG
Length	mm	8066	8833	8433	8066	9398	9188	9130	8750
Weight	Kg	1462	1585	1563	1520	2409	2289	2900	2817