

Positive Displacement Downhole Motor



SOECO supply a complete line of high quality motors specifically designed for directional drilling. The directional motors are available for both water-based and oil-based drilling applications. It include a high performance power section, dual safety catch devices, high performance transmission coupling, a simple and easy to use adjustable bend housing, a durable bearing assembly with Seal-Free Technology™ bearings, and a forged output shaft with integral bit box.

Feature

- ※ Crossover sub with API box connection
- ※ Dump Valve (*optional*)
- ※ Upper Safety Catch Sub
- ※ Multi-lobe, Mutli-stage Power Section
- ※ Articulated Ball Drive Coupling
- ※ Adjustable Bend Housing (*0-3 or 0-4 degrees*)
- ※ Bearing Assembly with Seal-Free Technology™ bearings
- ※ Lower Safety Catch Device
- ※ Forged Output Shaft with Integral API Bit Box
- ※ Near Bit Changeable Stabilizer (*optional*)



Shanghai Oilfield Equipment Co., Ltd.

Tel: +86-21-687 132 39 Fax: +86-21-687 103 45
 No. 39, Linbao Rd., Tinglin, Jinshan District, Shanghai, China

Specifications for Down Hole Motor (duo-lobe)

Tool Size	Model	Bit Size	Thread API	Qty. of Lobes	Qty. of Stages	Displacement	Rota Speed	Working Pressure Drop	Max. Pressure Drop	Output Torque	Max. Torque	Working Bit Load	Max. Bit Load	Output Power
		inch				gpm	rpm	psi	psi	N·m	N·m	kN	kN	kW
2-7/8	5L-288-3	3-3/4~4-3/4	2-3/8 REG	5:6	3	43~153	121~432	350	495	460	650	12	25	27
	5L-288-4	3-3/4~4-3/4	2-3/8 REG	5:6	4	43~153	121~432	466	655	613	867	12	25	36
3-1/8	7L-313-4	3-3/4~4-3/4	2-3/8 REG	7:8	4	37~126	138~413	466	655	465	617	12	25	24
3-3/4	5L-375-3	4-5/8~ 5-7/8	2-7/8 REG	5:6	3	71~190	124~300	350	495	833	1177	30	55	32
	9L-375-4	4 5/8~ 5 7/8	2-7/8 REG	9:10	4	120~245	139~280	466	655	1426	1895	30	55	48
4-3/4	4L-475-6	5-7/8~ 7-7/8	3-1/2 REG	4:5	6	131~262	150~300	700	988	2137	3019	49	100	81
	5L-475-3	5-7/8~ 7-7/8	3-1/2 REG	5:6	3	184~367	140~278	350	495	1620	2288	49	100	57
	5L-475-4	5-7/8~ 7-7/8	3-1/2 REG	5:6	4	184~367	140~278	466	655	2160	2869	49	100	71
	5L-475-5	5-7/8~ 7-7/8	3-1/2 REG	5:6	5	171~342	140~280	585	824	2344	3312	49	100	87
	7L-475-4	5-7/8~ 7-7/8	3-1/2 REG	7:8	4	196~393	130~261	466	655	2468	3277	49	100	75
	9L-475-4	5-7/8~ 7-7/8	3-1/2 REG	9:10	4	196~393	115~230	466	655	2546	3588	49	100	77
5-1/2	5L-550-4	6-3/4 ~ 8-3/4	4-1/2 REG	5:6	4	190~379	101~202	466	655	2613	3471	49	100	73
6-1/2	1L-650-4	8-3/8 ~9-7/8	4-1/2 REG	1:2	4	119~237	163~325	466	655	1018	1352	49	100	46
	5L-650-4	8-3/8 ~ 9-7/8	4-1/2 REG	5:6	4	228~456	87~174	466	655	3673	4878	80	160	88
	9L-650-4	8-3/8 ~ 9-7/8	4-1/2 REG	9:10	4	262~523	93~187	466	655	4579	6082	80	160	98
6-3/4	3L-675-6	8-3/8 ~9-7/8	4-1/2 REG	3:4	6	204~407	130~220	700	988	4660	6580	100	170	126
	5L-675-4	8-3/8 ~ 9-7/8	4-1/2 REG	5:6	4	250~500	78~154	466	655	4160	5525	100	170	126
	5L-675-5	8-3/8 ~9-7/8	4-1/2 REG	5:6	5	250~500	78~154	585	824	5200	7345	100	170	118
	5L-675-6	8-3/8 ~ 9-7/8	4-1/2 REG	5:6	6	250~500	78~154	700	988	6240	8814	100	170	142
	9L-675-2	8-3/8 ~9-7/8	4-1/2 REG	9:10	2	319~637	78~156	233	330	3148	4446	100	170	61
	9L-675-4	8-3/8 ~ 9-7/8	4-1/2 REG	9:10	4	293~586	84~169	466	655	5355	7112	100	170	78
7-3/4		9-7/8~12-1/4	5-1/2 REG	5:6	4	295~588	79~158	466	655	5022	6700	150	200	99



Shanghai Oilfield Equipment Co., Ltd.

Tel: +86-21-687 132 39

Fax: +86-21-687 103 45

No. 39, Linbao Rd., Tinglin, Jinshan District, Shanghai, China

	5L-775-5	9-7/8~12-1/4	5-1/2 REG	5:6	5	295~588	79~158	585	824	6277	8866	150	200	130
	5L-775-6	9-7/8~12-1/4	5-1/2 REG	5:6	6	295~588	79~158	700	988	7533	10640	150	200	157
	9L-775-4	9-7/8~12-1/4	5-1/2 REG	9:10	4	335~670	72~145	466	655	6260	8315	150	200	113
8-1/2	5L-850-4	12-1/4~15-1/2	6-5/8 REG	5:6	4	325~650	72~145	466	655	6105	8108	180	300	112
	5L-850-5	12-1/4~15-1/2	6-5/8 REG	5:6	5	325~650	72~145	585	824	7631	10607	180	300	147
	5L-850-6	12-1/4~15-1/2	6-5/8 REG	5:6	6	325~650	72~145	700	988	10267	14502	220	330	198
9-5/8	3L-963-6	12-1/4~15-1/2	6-5/8 REG	3:4	6	355~710	75~150	700	988	10465	14782	220	330	179
	5L-963-4	12-1/4~15-1/2	6-5/8 REG	5:6	4	435~880	64~129	466	655	9114	12105	220	330	147
	5L-963-5	12-1/4~15-1/2	6-5/8 REG	5:6	5	435~880	64~129	585	824	11393	16092	220	330	195
	5L-963-6	12-1/4~15-1/2	6-5/8 REG	5:6	6	435~880	64~129	700	988	13670	19310	220	330	234
11-1/4	3L-1125-4	14-3/4~26	6-5/8 REG	3:4	4	750~1500	97~196	466	655	11840	16720	300	550	290