

Technical data Part-turn gearboxes Operating times for different reduction ratios and input speeds

Total reduction ratio of QQB	Operating time ¹⁾ for 50 Hz in seconds for 90° at actuator output speed in rpm											
	4	5.6	8	11	16	22	32	45	63	90	125	180
52:1	195	139	98	71	49	35	24	17	–	–	–	–
54:1	203	145	101	74	51	37	25	18	–	–	–	–
214:1	803	573	401	292	201	146	100	71	51	36	26	18
217:1	814	581	407	296	203	148	102	72	52	36	26	18
218:1	818	584	409	297	204	149	102	73	52	36	26	18
225:1	844	603	422	307	211	153	105	75	54	38	27	19
552:1	–	1 479	1 035	753	518	376	259	184	131	92	66	46
563:1	–	1,508	1,056	768	528	384	264	188	134	94	68	47
628:1	–	1,682	1,178	856	589	428	294	209	150	105	75	52
864:1	–	–	1,620	1,178	810	589	405	288	206	144	104	72
880:1	–	–	1,650	1,200	825	600	413	293	210	147	106	73
903:1	–	–	1,693	1,231	847	616	423	301	215	151	108	75
1,751:1	–	–	–	–	1,642	1,194	821	584	417	292	210	146
1,784:1	–	–	–	–	1,673	1,216	836	595	425	297	214	149

Total reduction ratio of QQB	Operating time ¹⁾ for 60 Hz in seconds for 90° at actuator output speed in rpm											
	5	7	10	13	19	26	38	54	76	108	150	216
52:1	163	116	81	59	41	30	20	14	–	–	–	–
54:1	169	121	84	61	42	31	21	15	–	–	–	–
214:1	669	478	334	243	167	122	84	59	42	30	21	15
217:1	678	484	339	247	170	123	85	60	43	30	22	15
218:1	681	487	341	248	170	124	85	61	43	30	22	15
225:1	703	502	352	256	176	128	88	63	45	31	23	16
552:1	1 725	1 232	863	627	431	314	216	153	110	77	55	38
563:1	1,759	1,257	880	640	440	320	220	156	112	78	56	39
628:1	–	1 402	981	714	491	357	245	174	125	87	63	44
864:1	–	–	1,350	982	675	491	338	240	171	120	86	60
880:1	–	–	1,375	1,000	688	500	344	244	175	122	88	61
903:1	–	–	1,411	1,026	705	513	353	251	179	125	90	63
1,751:1	–	–	–	–	1,368	995	684	486	347	243	175	122
1,784:1	–	–	–	–	1,394	1,014	697	496	354	248	178	124

Notes on tables

1) Operating time	<p>Calculation of operating time for a 90° swivel movement:</p> $\text{Oper. time for 90° [s]} = \frac{\text{Reduction ratio [i]}}{n \text{ [input speed in rpm]}} \times 15$
2) Output speed	The output speeds are not available for all actuator sizes. The technical data of the multi-turn actuators is binding.