Torque Rating - Double Reduction (102:1 ~ 7569:1)

1750 rpm (60 Hz x 4P)

Always apply appropriate service factor (s.f.) to your application requirement.

Reduction Ratio	102 (17 x 6)				121 (11 x 11)				165 (15 x 11)				174 (29 x 6)				187 (17 x 11)			
Output RPM	17.2				14.5				10.6				10.1				9.36			
DARALI Frame Size	Input Power (hp)	Output Torque (in-lb)	Input Power (kW)	Output Torque (kg-m)	Input Power (hp)	Output Torque (in-lb)	Input Power (kW)	Output Torque (kg-m)	Input Power (hp)	Output Torque (in-lb)	Input Power (kW)	Output Torque (kg-m)	Input Power (hp)	Output Torque (in-lb)	Input Power (kW)	Output Torque (kg-m)	Input Power (hp)	Output Torque (in-lb)	Input Power (kW)	Output Torque (kg-m)
B0707	0.125	217	0.093	2.50	0.125	217	0.093	2.50	0.125	217	0.093	2.50	0.125	217	0.093	2.50	0.125	217	0.093	2.50
B0807	0.125	395	0.093	4.55	0.125	434	0.093	5.00	0.125	434	0.093	5.00	0.125	434	0.093	5.00	0.125	434	0.093	5.00
B0908	0.360	1130	0.269	13.0	0.300	1130	0.224	13.0	0.220	1130	0.164	13.0	0.210	1130	0.157	13.0	0.190	1130	0.142	13.0
B1008	0.540	1680	0.403	19.4	0.590	2170	0.440	25.0	0.430	2170	0.321	25.0	0.410	2170	0.306	25.0	0.380	2170	0.283	25.0
B1109	1.67	5200	1.25	59.9	1.41	5200	1.05	59.9	1.03	5200	0.768	59.9	0.980	5200	0.731	59.9	0.910	5200	0.679	59.9
B1310	2.50	7810	1.87	90.0	2.11	7810	1.57	90.0	1.55	7810	1.16	90.0	1.47	7810	1.10	90.0	1.36	7810	1.01	90.0
B1409	3.10	9550	2.31	110	2.58	9550	1.92	110	1.89	9550	1.41	110	1.80	9550	1.34	110	1.67	9550	1.25	110
B1611	5.01	15600	3.74	180	4.22	15600	3.15	180	3.09	15600	2.31	180	2.94	15600	2.19	180	2.73	15600	2.04	180
B1711	6.80	21300	5.07	245	5.83	21700	4.35	250	4.63	23400	3.45	270	4.41	23400	3.29	270	4.09	23400	3.05	270
B1813	11.1	34700	8.28	400	7.74	28600	5.77	329	6.87	34700	5.13	400	6.54	34700	4.88	400	6.06	34700	4.52	400
B1911																				
B1913	13.5	42300	10.1	487	13.1	48600	9.77	560	11.7	59000	8.73	680	11.4	60700	8.50	699	10.6	60800	7.91	700
B2011																				
B2013									12.8	64900	9.55	748	13.0	68700	9.70	791				
B2113																				
B2116					16.8	62500	12.5	720	15.9	80200	11.9	924	15.6	82500	11.6	950				
B2213																				
B2217					22.2	82500	16.6	950	20.8	105000	15.5	1210	22.4	119000	16.7	1371				
B2316													28.8	153000	21.5	1763				
B2318					25.7	95500	19.2	1100	26.5	134000	19.8	1544								
B2416																				
B2418					33.0	122000	24.6	1405	34.0	172000	25.4	1981								
B2517																				
B2519					41.9	156000	31.3	1797	39.3	200000	29.3	2304								
B2619					53.8	200000	40.1	2304	51.1	260000	38.1	2995								
B2719																				

For all possible double stage reduction ratios, please refer to page 48.

Reduction Ratio	210 (35 x 6)				231 (21 x 11)				258 (43 x 6)				289 (17 x 17)				319 (29 x 11)			
Output RPM	8.33				7.58				6.78				6.06				5.49			
DARALI Frame Size	Input Power (hp)	Output Torque (in-lb)	Input Power (kW)	Output Torque (kg-m)	Input Power (hp)	Output Torque (in-lb)	Input Power (kW)	Output Torque (kg-m)	Input Power (hp)	Output Torque (in-lb)	Input Power (kW)	Output Torque (kg-m)	Input Power (hp)	Output Torque (in-lb)	Input Power (kW)	Output Torque (kg-m)	Input Power (hp)	Output Torque (in-lb)	Input Power (kW)	Output Torque (kg-m)
B0707					0.125	217	0.093	2.50	0.125	217	0.093	2.50	0.125	217	0.093	2.50	0.125	217	0.093	2.50
B0807					0.125	434	0.093	5.00	0.125	434	0.093	5.00	0.125	434	0.093	5.00	0.125	434	0.093	5.00
B0908	0.170	1130	0.127	13.0	0.160	1130	0.119	13.0	0.140	1130	0.104	13.0	0.130	1130	0.097	13.0	0.125	1130	0.093	13.0
B1008	0.340	2170	0.254	25.0	0.310	2170	0.231	25.0	0.270	2170	0.201	25.0	0.250	2170	0.187	25.0	0.220	2170	0.164	25.0
B1109	0.810	5200	0.604	59.9	0.740	5200	0.552	59.9	0.660	5200	0.492	59.9	0.590	5200	0.440	59.9	0.530	5200	0.395	59.9
B1310	1.21	7810	0.903	90.0	1.11	7810	0.828	90.0	0.990	7810	0.739	90.0	0.880	7810	0.656	90.0	0.800	7810	0.597	90.0
B1409	1.48	9550	1.10	110	1.35	9550	1.01	110	1.21	9550	0.903	110	1.08	9550	0.806	110	0.980	9550	0.731	110
B1611	2.43	15600	1.81	180	2.21	15600	1.65	180	1.97	15600	1.47	180	1.76	15600	1.31	180	1.60	15600	1.19	180
B1711	3.64	23400	2.72	270	3.31	23400	2.47	270	2.96	23400	2.21	270	2.65	23400	1.98	270	2.40	23400	1.79	270
B1813	5.40	34700	4.03	400	4.91	34700	3.66	400	4.39	34700	3.27	400	3.93	34700	2.93	400	3.56	34700	2.66	400
B1911																	4.98	48600	3.72	560
B1913	9.64	62100	7.19	715	8.82	62500	6.58	720	7.90	62500	5.89	720	6.88	60800	5.13	700	6.36	62500	4.74	720
B2011																				
B2013									9.23	72900	6.89	840					7.04	68700	5.25	791
B2113																	8.40	82500	6.27	950
B2116					11.6	82500	8.65	950	12.1	95500	9.03	1100								
B2213																				
B2217					16.8	119000	12.5	1371	15.4	122000	11.5	1405					12.2	119000	9.10	1371
B2316									19.7	156000	14.7	1797					15.7	153000	11.7	1763
B2318					19.5	139000	14.5	1601												
B2416									25.3	200000	18.9	2304								
B2418					24.5	174000	18.3	2004									17.7	174000	13.2	2004
B2517									32.9	260000	24.5	2995								
B2519					35.1	248000	26.2	2857									25.4	248000	18.9	2857
B2619					42.7	304000	31.9	3502									34.2	334000	25.5	3848
B2719																				

NOTE: Hp ratings shown in the shaded area are to overcome the break-away torque requirements in high inertia or low temperature applications. Do not use those hp ratings as the basis of your selections. You should always size your applications based on output torque requirements. Please consult with factory.

Torque Rating - Double Reduction (102:1 ~ 7569:1)

1750 rpm (60 Hz x 4P)

Always apply appropriate service factor (s.f.) to your application requirement.

Reduction Ratio	354 (59 x 6)				385 (35 x 11)				435 (29 x 15)				473 (43 x 11)				493 (29 x 17)			
Output RPM	4.94				4.55				4.02				3.70				3.55			
DARALI Frame Size	Input Power (hp)	Output Torque (in-lb)	Input Power (kW)	Output Torque (kg-m)	Input Power (hp)	Output Torque (in-lb)	Input Power (kW)	Output Torque (kg-m)	Input Power (hp)	Output Torque (in-lb)	Input Power (kW)	Output Torque (kg-m)	Input Power (hp)	Output Torque (in-lb)	Input Power (kW)	Output Torque (kg-m)	Input Power (hp)	Output Torque (in-lb)	Input Power (kW)	Output Torque (kg-m)
B0707					0.125	217	0.093	2.50	0.125	217	0.093	2.50	0.125	217	0.093	2.50	0.125	217	0.093	2.50
B0807					0.125	434	0.093	5.00	0.125	434	0.093	5.00	0.125	434	0.093	5.00	0.125	434	0.093	5.00
B0908	0.125	1130	0.093	13.0	0.125	1130	0.093	13.0	0.125	1130	0.093	13.0	0.125	1130	0.093	13.0	0.125	1130	0.093	13.0
B1008	0.200	2170	0.149	25.0	0.180	2170	0.134	25.0	0.160	2170	0.119	25.0	0.150	2170	0.112	25.0	0.140	2170	0.104	25.0
B1109	0.480	5200	0.358	59.9	0.440	5200	0.328	59.9	0.390	5200	0.291	59.9	0.360	5200	0.269	59.9	0.340	5200	0.254	59.9
B1310	0.720	7810	0.537	90.0	0.660	7810	0.492	90.0	0.590	7810	0.440	90.0	0.540	7810	0.403	90.0	0.520	7810	0.388	90.0
B1409	0.880	9550	0.656	110	0.810	9550	0.604	110	0.720	9550	0.537	110	0.660	9550	0.492	110	0.630	9550	0.470	110
B1611	1.44	15600	1.07	180	1.32	15600	0.985	180	1.17	15600	0.873	180	1.08	15600	0.806	180	1.03	15600	0.768	180
B1711	2.16	23400	1.61	270	1.99	23400	1.48	270	1.76	23400	1.31	270	1.62	23400	1.21	270	1.55	23400	1.16	270
B1813	3.20	34700	2.39	400	2.95	34700	2.20	400	2.60	34700	1.94	400	2.40	34700	1.79	400	2.30	34700	1.72	400
B1911	4.48	48600	3.34	560	4.12	48600	3.07	560	3.65	48600	2.72	560	3.36	48600	2.51	560	3.22	48600	2.40	560
B1913	5.73	62500	4.27	720	5.27	62500	3.93	720	4.69	62500	3.50	720	4.29	62500	3.20	720	4.11	62500	3.07	720
B2011																				
B2013	6.68	72900	4.98	840					5.16	68700	3.85	791	5.00	72900	3.73	840				
B2113	8.81	95500	6.57	1100					6.19	82500	4.62	950	6.55	95500	4.89	1100	5.43	82500	4.05	950
B2116																				
B2213									8.93	119000	6.66	1371	8.43	122000	6.29	1405	7.89	119000	5.89	1371
B2217	11.3	122000	8.43	1405																
B2316	14.4	156000	10.7	1797					11.5	153000	8.58	1763	10.8	156000	8.06	1797	10.1	153000	7.53	1763
B2318																				
B2416	18.4	200000	13.7	2304					13.1	174000	9.77	2004	11.9	174000	8.88	2004	11.5	174000	8.58	2004
B2418																				
B2517	24.0	260000	17.9	2995					18.6	248000	13.9	2857	17.8	260000	13.3	2995	16.4	248000	12.2	2857
B2519																				
B2619									25.1	334000	18.7	3848	26.4	382000	19.7	4401	22.1	334000	16.5	3848
B2719													35.7	521000	26.6	6002				

For all possible double stage reduction ratios, please refer to page 48.

Reduction Ratio	522 (87 x 6)				595 (35 x 17)				649 (59 x 11)				731 (43 x 17)				841 (29 x 29)			
Output RPM	3.35				2.94				2.70				2.39				2.08			
DARALI Frame Size	Input Power (hp)	Output Torque (in-lb)	Input Power (kW)	Output Torque (kg-m)	Input Power (hp)	Output Torque (in-lb)	Input Power (kW)	Output Torque (kg-m)	Input Power (hp)	Output Torque (in-lb)	Input Power (kW)	Output Torque (kg-m)	Input Power (hp)	Output Torque (in-lb)	Input Power (kW)	Output Torque (kg-m)	Input Power (hp)	Output Torque (in-lb)	Input Power (kW)	Output Torque (kg-m)
B0707					0.125	217	0.093	2.50	0.125	217	0.093	2.50	0.125	217	0.093	2.50	0.125	217	0.093	2.50
B0807					0.125	434	0.093	5.00	0.125	434	0.093	5.00	0.125	434	0.093	5.00	0.125	434	0.093	5.00
B0908	0.125	1130	0.093	13.0	0.125	1130	0.093	13.0	0.125	1130	0.093	13.0	0.125	1130	0.093	13.0	0.125	1130	0.093	13.0
B1008	0.140	2170	0.104	25.0	0.125	2170	0.093	25.0	0.125	2170	0.093	25.0	0.125	2170	0.093	25.0	0.125	2170	0.093	25.0
B1109	0.330	5200	0.246	59.9	0.290	5200	0.216	59.9	0.260	5200	0.194	59.9	0.230	5200	0.172	59.9	0.200	5200	0.149	59.9
B1310	0.490	7810	0.366	90.0	0.430	7810	0.321	90.0	0.390	7810	0.291	90.0	0.350	7810	0.261	90.0	0.300	7810	0.224	90.0
B1409	0.600	9550	0.448	110	0.520	9550	0.388	110	0.480	9550	0.358	110	0.430	9550	0.321	110	0.370	9550	0.276	110
B1611	0.980	15600	0.731	180	0.860	15600	0.642	180	0.790	15600	0.589	180	0.700	15600	0.522	180	0.610	15600	0.455	180
B1711	1.46	23400	1.09	270	1.28	23400	0.955	270	1.18	23400	0.880	270	1.04	23400	0.776	270	0.910	23400	0.679	270
B1813	2.17	34700	1.62	400	1.90	34700	1.42	400	1.75	34700	1.31	400	1.55	34700	1.16	400	1.35	34700	1.01	400
B1911	3.04	48600	2.27	560	2.67	48600	1.99	560	3.13	62500	2.33	720	2.77	62500	2.07	720	2.41	62500	1.80	720
B1913	3.88	62500	2.89	720	3.41	62500	2.54	720												
B2011																				
B2013	4.30	68700	3.21	791					3.65	72900	2.72	840	3.23	72900	2.41	840	2.67	68700	1.99	791
B2113	5.13	82500	3.83	950					4.78	95500	3.57	1100	4.23	95500	3.16	1100	3.18	82500	2.37	950
B2116																				
B2213	6.82	109000	5.09	1256					6.15	122000	4.59	1405	5.44	122000	4.06	1405	4.62	119000	3.45	1371
B2217																				
B2316	8.64	139000	6.45	1601					7.86	156000	5.86	1797	6.96	156000	5.19	1797	5.94	153000	4.43	1763
B2318																				
B2416	11.9	191000	8.88	2200					8.71	173000	6.50	1993	8.92	200000	6.65	2304	6.71	174000	5.01	2004
B2418																				
B2517	15.5	248000	11.6	2857					13.0	260000	9.70	2995	11.5	260000	8.58	2995	9.63	248000	7.18	2857
B2519																				
B2619									17.1	340000	12.8	3917	17.0	382000	12.7	4401	13.0	334000	9.70	3848
B2719									26.1	521000	19.5	6002	23.1	521000	17.2	6002				

NOTE: Hp ratings shown in the shaded area are to overcome the break-away torque requirements in high inertia or low temperature applications. Do not use those hp ratings as the basis of your selections. You should always size your applications based on output torque requirements. Please consult with factory.

Torque Rating - Double Reduction (102:1 ~ 7569:1)

1750 rpm (60 Hz x 4P)

Always apply appropriate service factor (s.f.) to your application requirement.

Reduction Ratio	957 (87 x 11)				1003 (59 x 17)				1225 (35 x 35)				1247 (43 x 29)				1479 (87 x 17)			
Output RPM	1.83				1.74				1.43				1.40				1.18			
DARALI Frame Size	Input Power (hp)	Output Torque (in-lb)	Input Power (kW)	Output Torque (kg-m)	Input Power (hp)	Output Torque (in-lb)	Input Power (kW)	Output Torque (kg-m)	Input Power (hp)	Output Torque (in-lb)	Input Power (kW)	Output Torque (kg-m)	Input Power (hp)	Output Torque (in-lb)	Input Power (kW)	Output Torque (kg-m)	Input Power (hp)	Output Torque (in-lb)	Input Power (kW)	Output Torque (kg-m)
B0707									0.125	217	0.093	2.50	0.125	217	0.093	2.50				
B0807					0.125	434	0.093	5.00	0.125	434	0.093	5.00	0.125	434	0.093	5.00				
B0908	0.125	1130	0.093	13.0	0.125	1130	0.093	13.0	0.125	1130	0.093	13.0	0.125	1130	0.093	13.0	0.125	1130	0.093	13.0
B1008	0.125	2170	0.093	25.0	0.125	2170	0.093	25.0	0.125	2170	0.093	25.0	0.125	2170	0.093	25.0	0.125	2170	0.093	25.0
B1109	0.180	5200	0.134	59.9	0.170	5200	0.127	59.9	0.140	5200	0.104	59.9	0.140	5200	0.104	59.9	0.125	5200	0.093	59.9
B1310	0.270	7810	0.201	90.0	0.250	7810	0.187	90.0	0.250	7810	0.187	90.0	0.250	7810	0.187	90.0	0.250	7810	0.187	90.0
B1409	0.330	9550	0.246	110	0.310	9550	0.231	110	0.250	9550	0.187	110	0.250	9550	0.187	110	0.250	9550	0.187	110
B1611	0.530	15600	0.395	180	0.510	15600	0.380	180	0.500	15600	0.373	180	0.500	15600	0.373	180	0.500	15600	0.373	180
B1711	0.800	23400	0.597	270	0.760	23400	0.567	270	0.620	23400	0.463	270	0.610	23400	0.455	270	0.520	23400	0.388	270
B1813	1.19	34700	0.888	400	1.13	34700	0.843	400	1.00	34700	0.746	400	1.00	34700	0.746	400	1.00	34700	0.75	400
B1911	2.12	62500	1.58	720	2.02	62500	1.51	720	1.66	62500	1.24	720	1.62	62500	1.21	720	1.37	62500	1.02	720
B1913																				
B2011													2.00	72900	1.49	840	2.00	68700	1.49	791
B2013	2.35	68700	1.75	791	2.35	72900	1.75	840												
B2113	2.80	82500	2.09	950	3.08	95500	2.30	1100					2.48	95500	1.85	1100	2.00	82500	1.49	950
B2116																				
B2213	3.72	109000	2.78	1256	3.96	122000	2.95	1405					3.20	122000	2.39	1405	3.00	109000	2.24	1256
B2217																				
B2316	4.72	139000	3.52	1601	5.07	156000	3.78	1797					4.08	156000	3.04	1797	3.04	139000	2.27	1601
B2318																				
B2416	6.52	191000	4.86	2200	6.50	200000	4.85	2304					5.23	200000	3.90	2304	4.21	191000	3.14	2200
B2418																				
B2517	8.47	248000	6.32	2857	8.39	260000	6.26	2995					6.75	260000	5.04	2995	5.46	248000	4.07	2857
B2519																				
B2619	11.4	334000	8.50	3848	12.4	382000	9.25	4401					10.0	382000	7.45	4401	7.50	334000	5.60	3848
B2719					16.8	521000	12.5	6002					13.5	521000	10.1	6002				

For all possible double stage reduction ratios, please refer to page 48.

Reduction Ratio	1505 (43 x 35)				1711 (59 x 29)				1849 (43 x 43)				2065 (59 x 35)				2537 (59 x 43)			
Output RPM	1.16				1.02				0.95				0.85				0.69			
DARALI Frame Size	Input Power (hp)	Output Torque (in-lb)	Input Power (kW)	Output Torque (kg-m)	Input Power (hp)	Output Torque (in-lb)	Input Power (kW)	Output Torque (kg-m)	Input Power (hp)	Output Torque (in-lb)	Input Power (kW)	Output Torque (kg-m)	Input Power (hp)	Output Torque (in-lb)	Input Power (kW)	Output Torque (kg-m)	Input Power (hp)	Output Torque (in-lb)	Input Power (kW)	Output Torque (kg-m)
B0707	0.125	217	0.093	2.50					0.125	217	0.093	2.50								
B0807	0.125	434	0.093	5.00	0.125	434	0.093	5.00	0.125	434	0.093	5.00	0.125	434	0.093	5.00	0.125	434	0.093	5.00
B0908	0.125	1130	0.093	13.0	0.125	1130	0.093	13.0	0.125	1130	0.093	13.0	0.125	1130	0.093	13.0	0.125	1130	0.093	13.0
B1008	0.125	2170	0.093	25.0	0.125	2170	0.093	25.0	0.125	2170	0.093	25.0	0.125	2170	0.093	25.0	0.125	2170	0.093	25.0
B1109	0.125	5200	0.093	59.9	0.125	5200	0.093	59.9	0.125	5200	0.093	59.9	0.125	5200	0.093	59.9	0.125	5200	0.093	59.9
B1310	0.250	7810	0.187	90.0	0.250	7810	0.187	90.0	0.250	7810	0.187	90.0	0.250	7810	0.187	90.0	0.250	7810	0.187	90.0
B1409	0.250	9550	0.187	110	0.250	9550	0.187	110	0.250	9550	0.187	110	0.250	9550	0.187	110	0.250	9550	0.187	110
B1611	0.500	15600	0.373	180	0.500	15600	0.373	180	0.500	15600	0.373	180	0.500	15600	0.373	180	0.500	15600	0.373	180
B1711	0.510	23400	0.380	270	0.500	23400	0.373	270	0.500	23400	0.373	270	0.500	23400	0.373	270	0.500	23400	0.373	270
B1813	1.00	34700	0.746	400	1.00	34700	0.746	400	1.00	34700	0.746	400	1.00	34700	0.746	400	1.00	34700	0.746	400
B1911	1.34	62500	1.00	720	1.18	62500	0.880	720	1.10	62500	0.821	720	1.00	62500	0.746	720	1.00	62500	0.746	720
B1913																				
B2011	2.00	72900	1.49	840	2.00	72900	1.49	840	2.00	72900	1.49	840	2.00	72900	1.49	840	2.00	72900	1.49	840
B2013																				
B2113	2.00	95500	1.49	1100	2.00	95500	1.49	1100	2.00	95500	1.49	1100	2.00	95500	1.49	1100	2.00	95500	1.49	1100
B2116																				
B2213	3.00	122000	2.24	1405	3.00	122000	2.24	1405	3.00	122000	2.24	1405	3.00	122000	2.24	1405	3.00	122000	2.24	1405
B2217																				
B2316	3.39	156000	2.53	1797	3.00	156000	2.24	1797	3.00	156000	2.24	1797	3.00	156000	2.24	1797	3.00	156000	2.24	1797
B2318																				
B2416	4.34	200000	3.24	2304	3.82	200000	2.85	2304	3.53	200000	2.64	2304	3.16	200000	2.36	2304	3.00	200000	2.24	2304
B2418																				
B2517	5.59	260000	4.17	2995	5.00	260000	3.73	2995	5.00	260000	3.73	2995	5.00	260000	3.73	2995	5.00	260000	3.73	2995
B2519																				
B2619	8.29	382000	6.19	4401	7.50	382000	5.60	4401	7.50	382000	5.60	4401	7.50	382000	5.60	4401	7.50	382000	5.60	4401
B2719	11.2	521000	8.36	6002	10.0	521000	7.46	6002	10.0	521000	7.46	6002	10.0	521000	7.46	6002	10.0	521000	7.46	6002

NOTE: Hp ratings shown in the shaded area are to overcome the break-away torque requirements in high inertia or low temperature applications. Do not use those hp ratings as the basis of your selections. You should always size your applications based on output torque requirements. Please consult with factory.

Torque Rating - Double Reduction (102:1 ~ 7569:1)

1750 rpm (60 Hz x 4P)

Always apply appropriate service factor (s.f.) to your application requirement.

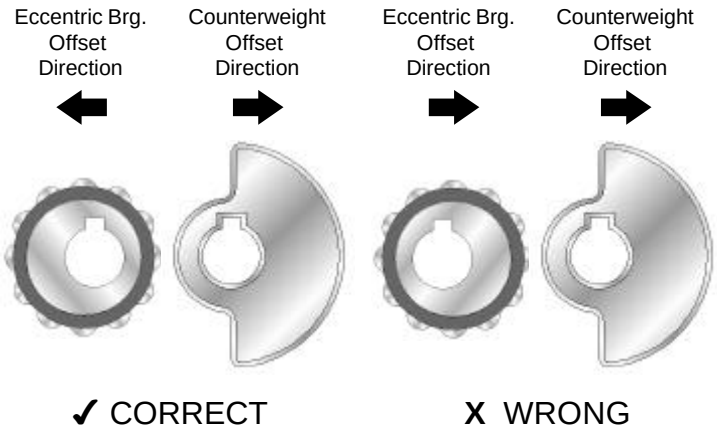
Reduction Ratio	3045 (87 x 35)				3481 (59 x 59)				3741 (87 x 43)				4437 (87 x 51)				5133 (87 x 59)			
Output RPM	0.57				0.50				0.47				0.39				0.34			
DARALI Frame Size	Input Power (hp)	Output Torque (in-lb)	Input Power (kW)	Output Torque (kg-m)	Input Power (hp)	Output Torque (in-lb)	Input Power (kW)	Output Torque (kg-m)	Input Power (hp)	Output Torque (in-lb)	Input Power (kW)	Output Torque (kg-m)	Input Power (hp)	Output Torque (in-lb)	Input Power (kW)	Output Torque (kg-m)	Input Power (hp)	Output Torque (in-lb)	Input Power (kW)	Output Torque (kg-m)
B0707																				
B0807																				
B0908	0.125	1130	0.093	13.0	0.125	1130	0.093	13.0	0.125	1130	0.093	13.0	0.125	1130	0.093	13.0	0.125	1130	0.093	13.0
B1008	0.125	2170	0.093	25.0	0.125	2170	0.093	25.0	0.125	2170	0.093	25.0	0.125	2170	0.093	25.0	0.125	2170	0.093	25.0
B1109	0.125	5200	0.093	59.9	0.125	5200	0.093	59.9	0.125	5200	0.093	59.9	0.125	5200	0.093	59.9	0.125	5200	0.093	59.9
B1310	0.250	7810	0.187	90.0	0.250	7810	0.187	90.0	0.250	7810	0.187	90.0	0.250	7810	0.187	90.0	0.250	7810	0.187	90.0
B1409	0.250	9550	0.187	110	0.250	9550	0.187	110	0.250	9550	0.187	110	0.250	9550	0.187	110	0.250	9550	0.187	110
B1611	0.500	15600	0.373	180	0.500	15600	0.373	180	0.500	15600	0.373	180	0.500	15600	0.373	180	0.500	15600	0.373	180
B1711	0.500	23400	0.373	270	0.500	23400	0.373	270	0.500	23400	0.373	270	0.500	23400	0.373	270	0.500	23400	0.373	270
B1813	1.00	34700	0.746	400	1.00	34700	0.746	400	1.00	34700	0.746	400	1.00	34700	0.746	400	1.00	34700	0.746	400
B1911	1.00	62500	0.746	720	1.00	62500	0.746	720	1.00	62500	0.746	720	1.00	62500	0.746	720	1.00	62500	0.746	720
B1913																				
B2011	2.00	72900	1.49	840	2.00	72900	1.49	840	2.00	72900	1.49	840	2.00	72900	1.49	840	2.00	72900	1.49	840
B2013																				
B2113	2.00	82500	1.49	950	2.00	95500	1.49	1100	2.00	95500	1.49	1100	2.00	95500	1.49	1100	2.00	95500	1.49	1100
B2116																				
B2213	3.00	122000	2.24	1405	3.00	122000	2.24	1405	3.00	122000	2.24	1405	3.00	122000	2.24	1405	3.00	122000	2.24	1405
B2217																				
B2316	3.00	156000	2.24	1797	3.00	156000	2.24	1797	3.00	156000	2.24	1797	3.00	156000	2.24	1797	3.00	156000	2.24	1797
B2318																				
B2416	3.00	191000	2.24	2200	3.00	200000	2.24	2304	3.00	200000	2.24	2304	3.00	200000	2.24	2304	3.00	200000	2.24	2304
B2418																				
B2517	5.00	248000	3.73	2857	5.00	260000	3.73	2995	5.00	260000	3.73	2995	5.00	260000	3.73	2995	5.00	260000	3.73	2995
B2519																				
B2619	7.50	334000	5.60	3848	7.50	382000	5.60	4401	7.50	382000	5.60	4401	7.50	382000	5.60	4401	7.50	382000	5.60	4401
B2719					10.0	521000	7.46	6002	10.0	521000	7.46	6002	10.0	521000	7.46	6002	10.0	521000	7.46	6002

Reduction Ratio	6177 (87 x 71)				7569 (87 x 87)			
Output RPM	0.28				0.23			
DARALI Frame Size	Input Power (hp)	Output Torque (in-lb)	Input Power (kW)	Output Torque (kg-m)	Input Power (hp)	Output Torque (in-lb)	Input Power (kW)	Output Torque (kg-m)
B0707								
B0807								
B0908								
B1008								
B1109	0.125	5200	0.093	59.9	0.125	5200	0.093	59.9
B1310	0.250	7810	0.187	90.0	0.250	7810	0.187	90.0
B1409	0.250	9550	0.187	110	0.250	9550	0.187	110
B1611	0.500	15600	0.373	180	0.500	15600	0.373	180
B1711	0.500	23400	0.373	270	0.500	23400	0.373	270
B1813	1.00	34700	0.746	400	1.00	34700	0.746	400
B1911	1.00	62500	0.746	720	1.00	62500	0.746	720
B1913								
B2011	2.00	68700	1.49	791	2.00	68700	1.49	791
B2013								
B2113	2.00	82500	1.49	950	2.00	82500	1.49	950
B2116								
B2213	3.00	109000	2.24	1256	3.00	109000	2.24	1256
B2217								
B2316	3.00	139000	2.24	1601	3.00	139000	2.24	1601
B2318								
B2416	3.00	191000	2.24	2200	3.00	191000	2.24	2200
B2418								
B2517	5.00	248000	3.73	2857	5.00	248000	3.73	2857
B2519								
B2619	7.50	334000	5.60	3848	7.50	334000	5.60	3848
B2719								

☞ DO YOU KNOW .....

Frame size B07, B08, and B09 are equipped with only one cycloidal disc in the ring gear assembly. In order to keep the cycloidal mechanism dynamically balanced during operation, a counter-weight is installed.

Please be aware that when assembling one of the frame sizes described above, the eccentric bearing and the counter-weight have to be offset in the opposite directions in order to achieve dynamic balance. Please see illustrations below:



✓ CORRECT **X** WRONG

NOTE: Hp ratings shown in the shaded area are to overcome the break-away torque requirements in high inertia or low temperature applications. Do not use those hp ratings as the basis of your selections. You should always size your applications based on output torque requirements. Please consult with factory.

Torque Rating - Double Reduction (102:1 ~ 7569:1)

1460 rpm (50 Hz x 4P)

Always apply appropriate service factor (s.f.) to your application requirement.

Reduction Ratio	102 (17 x 6)				121 (11 x 11)				165 (15 x 11)				174 (29 x 6)				187 (17 x 11)			
Output RPM	14.3				12.1				8.85				8.39				7.81			
DARALI Frame Size	Input Power (hp)	Output Torque (in-lb)	Input Power (kW)	Output Torque (kg-m)	Input Power (hp)	Output Torque (in-lb)	Input Power (kW)	Output Torque (kg-m)	Input Power (hp)	Output Torque (in-lb)	Input Power (kW)	Output Torque (kg-m)	Input Power (hp)	Output Torque (in-lb)	Input Power (kW)	Output Torque (kg-m)	Input Power (hp)	Output Torque (in-lb)	Input Power (kW)	Output Torque (kg-m)
B0707					0.125	217	0.093	2.50	0.125	217	0.093	2.50					0.125	217	0.093	2.50
B0807					0.125	434	0.093	5.00	0.125	434	0.093	5.00					0.125	434	0.093	5.00
B0908	0.300	1130	0.224	13.0	0.250	1130	0.187	13.0	0.185	1130	0.138	13.0	0.175	1130	0.131	13.0	0.160	1130	0.119	13.0
B1008	0.500	1925	0.373	22.2	0.490	2170	0.366	25.0	0.355	2170	0.265	25.0	0.340	2170	0.254	25.0	0.315	2170	0.235	25.0
B1109	1.39	5200	1.04	59.9	1.17	5200	0.873	59.9	0.855	5200	0.638	59.9	0.815	5200	0.608	59.9	0.755	5200	0.563	59.9
B1310	2.08	7810	1.55	90.0	1.75	7810	1.31	90.0	1.29	7810	0.959	90.0	1.22	7810	0.910	90.0	1.13	7810	0.843	90.0
B1409									1.57	9550	1.17	110	1.50	9550	1.12	110	1.39	9550	1.03	110
B1611	4.16	15600	3.10	180	3.51	15600	2.61	180	2.57	15600	1.91	180	2.44	15600	1.82	180	2.27	15600	1.69	180
B1711	5.90	22400	4.40	258	4.86	21700	3.63	250	3.86	23400	2.88	270	3.67	23400	2.74	270	3.41	23400	2.54	270
B1813	9.25	34700	6.90	400	6.44	28600	4.80	329	5.72	34700	4.27	400	5.44	34700	4.05	400	5.05	34700	3.76	400
B1911													2.62	21000	1.95	242	2.44	21000	1.82	242
B1913	13.6	51600	10.15	594	10.9	48600	8.14	560	9.74	59000	7.26	680	9.60	61600	7.16	710	8.83	60800	6.59	700
B2011																				
B2013									10.7	64900	7.94	748	10.8	68700	8.03	791				
B2113																				
B2116					14.0	62500	10.4	720	13.2	80200	9.85	924	12.9	82500	9.62	950				
B2213																				
B2217					18.5	82500	13.8	950	17.3	105000	12.9	1210	18.6	119000	13.9	1371				
B2316													23.9	153000	17.8	1763				
B2318					21.4	95500	16.0	1100	22.0	134000	16.4	1544								
B2416																				
B2418					27.4	122000	20.4	1405	28.3	172000	21.1	1981								
B2517																				
B2519					34.9	156000	26.0	1797	32.8	200000	24.4	2304								
B2619					44.8	200000	33.4	2304	42.6	260000	31.7	2995								
B2719																				

For all possible double stage reduction ratios, please refer to page 48.

Reduction Ratio	210 (35 x 6)				231 (21 x 11)				258 (43 x 6)				289 (17 x 17)				319 (29 x 11)			
Output RPM	6.95				6.32				5.66				5.05				4.58			
DARALI Frame Size	Input Power (hp)	Output Torque (in-lb)	Input Power (kW)	Output Torque (kg-m)	Input Power (hp)	Output Torque (in-lb)	Input Power (kW)	Output Torque (kg-m)	Input Power (hp)	Output Torque (in-lb)	Input Power (kW)	Output Torque (kg-m)	Input Power (hp)	Output Torque (in-lb)	Input Power (kW)	Output Torque (kg-m)	Input Power (hp)	Output Torque (in-lb)	Input Power (kW)	Output Torque (kg-m)
B0707					0.125	217	0.093	2.50					0.125	217	0.093	2.50	0.125	217	0.093	2.50
B0807					0.125	434	0.093	5.00					0.125	434	0.093	5.00	0.125	434	0.093	5.00
B0908	0.148	1130	0.110	13.0	0.143	1130	0.106	13.0	0.133	1130	0.099	13.0	0.128	1130	0.095	13.0	0.125	1130	0.093	13.0
B1008	0.280	2170	0.209	25.0	0.255	2170	0.190	25.0	0.225	2170	0.168	25.0	0.205	2170	0.153	25.0	0.185	2170	0.138	25.0
B1109	0.675	5200	0.504	59.9	0.615	5200	0.459	59.9	0.550	5200	0.410	59.9	0.490	5200	0.366	59.9	0.440	5200	0.328	59.9
B1310	1.01	7810	0.750	90.0	0.920	7810	0.686	90.0	0.820	7810	0.612	90.0	0.730	7810	0.545	90.0	0.665	7810	0.496	90.0
B1409	1.24	9550	0.921	110	1.12	9550	0.836	110	1.01	9550	0.750	110	0.895	9550	0.668	110	0.815	9550	0.608	110
B1611	2.02	15600	1.51	180	1.84	15600	1.37	180	1.64	15600	1.22	180	1.47	15600	1.09	180	1.33	15600	0.992	180
B1711	3.04	23400	2.26	270	2.76	23400	2.06	270	2.47	23400	1.84	270	2.21	23400	1.64	270	2.00	23400	1.49	270
B1813	4.50	34700	3.35	400	4.09	34700	3.05	400	3.66	34700	2.73	400	3.27	34700	2.44	400	2.97	34700	2.21	400
B1911	2.17	21000	1.62	242	1.96	21000	1.46	242	1.77	21000	1.32	242	1.58	21000	1.17	242	4.15	48600	3.09	560
B1913	8.05	62300	6.01	718	7.35	62500	5.48	720	6.58	62500	4.91	720	5.73	60800	4.27	700	5.30	62500	3.95	720
B2011																				
B2013									7.24	67700	5.40	780					5.85	68700	4.36	791
B2113																	6.99	82500	5.21	950
B2116					9.66	82500	7.20	950	9.51	89000	7.09	1025								
B2213																				
B2217					14.0	119000	10.4	1371	12.8	122000	9.55	1405					10.1	119000	7.56	1371
B2316									16.5	156000	12.3	1797					13.1	153000	9.74	1763
B2318					16.3	139000	12.1	1601												
B2416									20.0	187000	14.9	2154								
B2418					20.4	174000	15.2	2004									14.8	174000	11.0	2004
B2517									27.0	260000	20.1	2995								
B2519					29.2	248000	21.7	2857									21.1	248000	15.7	2857
B2619					35.6	304000	26.5	3502									28.4	334000	21.2	3848
B2719																				

NOTE: Hp ratings shown in the shaded area are to overcome the break-away torque requirements in high inertia or low temperature applications. Do not use those hp ratings as the basis of your selections. You should always size your applications based on output torque requirements. Please consult with factory.

Torque Rating - Double Reduction (102:1 ~ 7569:1)

1460 rpm (50 Hz x 4P)

Always apply appropriate service factor (s.f.) to your application requirement.

Reduction Ratio	354 (59 x 6)				385 (35 x 11)				435 (29 x 15)				473 (43 x 11)				493 (29 x 17)			
Output RPM	4.12				3.79				3.36				3.09				2.96			
DARALI Frame Size	Input Power (hp)	Output Torque (in-lb)	Input Power (kW)	Output Torque (kg-m)	Input Power (hp)	Output Torque (in-lb)	Input Power (kW)	Output Torque (kg-m)	Input Power (hp)	Output Torque (in-lb)	Input Power (kW)	Output Torque (kg-m)	Input Power (hp)	Output Torque (in-lb)	Input Power (kW)	Output Torque (kg-m)	Input Power (hp)	Output Torque (in-lb)	Input Power (kW)	Output Torque (kg-m)
B0707					0.125	217	0.093	2.50	0.063	109	0.047	1.25	0.125	217	0.093	2.50	0.125	217	0.093	2.50
B0807					0.125	434	0.093	5.00	0.063	217	0.047	2.50	0.125	434	0.093	5.00	0.125	434	0.093	5.00
B0908	0.125	1130	0.093	13.0	0.125	1130	0.093	13.0	0.125	1130	0.093	13.0	0.125	1130	0.093	13.0	0.125	1130	0.093	13.0
B1008	0.165	2170	0.123	25.0	0.153	2170	0.114	25.0	0.143	2170	0.106	25.0	0.138	2170	0.103	25.0	0.133	2170	0.099	25.0
B1109	0.400	5200	0.298	59.9	0.365	5200	0.272	59.9	0.325	5200	0.242	59.9	0.300	5200	0.224	59.9	0.285	5200	0.213	59.9
B1310	0.600	7810	0.448	90.0	0.550	7810	0.410	90.0	0.490	7810	0.366	90.0	0.450	7810	0.336	90.0	0.430	7810	0.321	90.0
B1409	0.730	9550	0.545	110	0.675	9550	0.504	110	0.610	9550	0.455	110	0.580	9550	0.433	110	0.565	9550	0.421	110
B1611	1.20	15600	0.891	180	1.10	15600	0.821	180	0.975	15600	0.727	180	0.895	15600	0.668	180	0.855	15600	0.638	180
B1711	1.80	23400	1.34	270	1.66	23400	1.23	270	1.47	23400	1.09	270	1.35	23400	1.01	270	1.29	23400	0.962	270
B1813	2.67	34700	1.99	400	2.46	34700	1.83	400	2.17	34700	1.62	400	2.00	34700	1.49	400	1.92	34700	1.43	400
B1911	3.74	48600	2.79	560	3.44	48600	2.56	560	3.04	48600	2.26	560	2.80	48600	2.09	560	2.68	48600	2.00	560
B1913	4.77	62500	3.56	720	4.39	62500	3.27	720	3.90	62500	2.91	720	3.57	62500	2.66	720	3.43	62500	2.56	720
B2011																				
B2013	5.57	72900	4.15	840					4.29	68700	3.20	791	4.2	72900	3.11	840				
B2113	6.92	89000	5.16	1025					5.15	82500	3.84	950	5.5	95500	4.07	1100	4.52	82500	3.37	950
B2116																				
B2213									7.42	119000	5.54	1371	7.0	122000	5.22	1405	6.55	119000	4.89	1371
B2217	9.38	122000	6.99	1405																
B2316	12.0	156000	8.94	1797					9.55	153000	7.12	1763	9.0	156000	6.70	1797	8.40	153000	6.27	1763
B2318																				
B2416	14.5	187000	10.8	2154					10.9	174000	8.11	2004	10.5	187000	7.86	2154	9.56	174000	7.13	2004
B2418																				
B2517	18.1	235000	13.5	2707					15.5	248000	11.56	2857	14.9	260000	11.08	2995	13.7	248000	10.2	2857
B2519																				
B2619									20.9	334000	15.6	3848	21.9	382000	16.34	4401	18.4	334000	13.7	3848
B2719													29.8	521000	22.19	6002				

For all possible double stage reduction ratios, please refer to page 48.

Reduction Ratio	522 (87 x 6)				595 (35 x 17)				649 (59 x 11)				731 (43 x 17)				841 (29 x 29)			
Output RPM	2.80				2.45				2.25				2.00				1.74			
DARALI Frame Size	Input Power (hp)	Output Torque (in-lb)	Input Power (kW)	Output Torque (kg-m)	Input Power (hp)	Output Torque (in-lb)	Input Power (kW)	Output Torque (kg-m)	Input Power (hp)	Output Torque (in-lb)	Input Power (kW)	Output Torque (kg-m)	Input Power (hp)	Output Torque (in-lb)	Input Power (kW)	Output Torque (kg-m)	Input Power (hp)	Output Torque (in-lb)	Input Power (kW)	Output Torque (kg-m)
B0707					0.125	217	0.093	2.50					0.125	217	0.093	2.50	0.125	217	0.093	2.50
B0807					0.125	434	0.093	5.00	0.125	434	0.093	5.00	0.125	434	0.093	5.00	0.125	434	0.093	5.00
B0908	0.125	1130	0.093	13.0	0.125	1130	0.093	13.0	0.125	1130	0.093	13.0	0.125	1130	0.093	13.0	0.125	1130	0.093	13.0
B1008	0.133	2170	0.099	25.0	0.125	2170	0.093	25.0	0.125	2170	0.093	25.0	0.125	2170	0.093	25.0	0.125	2170	0.093	25.0
B1109	0.275	5200	0.205	59.9	0.240	5200	0.179	59.9	0.215	5200	0.160	59.9	0.190	5200	0.142	59.9	0.165	5200	0.123	59.9
B1310	0.405	7810	0.302	90.0	0.355	7810	0.265	90.0	0.325	7810	0.242	90.0	0.300	7810	0.224	90.0	0.275	7810	0.205	90.0
B1409	0.550	9550	0.410	110	0.510	9550	0.380	110	0.490	9550	0.366	110	0.465	9550	0.347	110	0.435	9550	0.325	110
B1611	0.815	15600	0.608	180	0.715	15600	0.533	180	0.655	15600	0.489	180	0.600	15600	0.448	180	0.555	15600	0.414	180
B1711	1.22	23400	0.910	270	1.07	23400	0.798	270	0.980	23400	0.731	270	0.870	23400	0.649	270	0.760	23400	0.567	270
B1813	1.81	34700	1.35	400	1.59	34700	1.18	400	1.46	34700	1.09	400	1.29	34700	0.962	400	1.18	34700	0.877	400
B1911	2.53	48600	1.89	560	2.23	48600	1.66	560	2.61	62500	1.95	720	2.31	62500	1.72	720	2.01	62500	1.50	720
B1913	3.23	62500	2.41	720	2.84	62500	2.12	720												
B2011																				
B2013	3.57	68700	2.66	791					3.04	72900	2.27	840	2.69	72900	2.01	840	2.34	68700	1.74	791
B2113	4.27	82500	3.19	950.4					3.99	95500	2.97	1100	3.53	95500	2.63	1100	2.66	82500	1.98	950
B2116																				
B2213	5.67	109000	4.23	1256					5.11	122000	3.81	1405	4.52	122000	3.37	1405	3.84	119000	2.86	1371
B2217																				
B2316	7.20	139000	5.37	1601					6.55	156000	4.89	1797	5.80	156000	4.32	1797	4.94	153000	3.68	1763
B2318																				
B2416	9.90	191000	7.39	2200					7.72	186500	5.76	2148	7.43	200000	5.54	2304	5.60	174000	4.18	2004
B2418																				
B2517	12.9	248000	9.62	2857					10.8	260000	8.09	2995	9.59	260000	7.15	2995	8.00	248000	5.97	2857
B2519																				
B2619									14.9	361000	11.1	4159	14.2	382000	10.6	4401	10.8	334000	8.05	3848
B2719									21.8	521000	16.2	6002	19.3	521000	14.4	6002				

NOTE: Hp ratings shown in the shaded area are to overcome the break-away torque requirements in high inertia or low temperature applications. Do not use those hp ratings as the basis of your selections. You should always size your applications based on output torque requirements. Please consult with factory.

Torque Rating - Double Reduction (102:1 ~ 7569:1)

1460 rpm (50 Hz x 4P)

Always apply appropriate service factor (s.f.) to your application requirement.

Reduction Ratio	957 (87 x 11)				1003 (59 x 17)				1225 (35 x 35)				1247 (43 x 29)				1479 (87 x 17)			
Output RPM	1.53				1.46				1.19				1.17				0.99			
DARALI Frame Size	Input Power (hp)	Output Torque (in-lb)	Input Power (kW)	Output Torque (kg-m)	Input Power (hp)	Output Torque (in-lb)	Input Power (kW)	Output Torque (kg-m)	Input Power (hp)	Output Torque (in-lb)	Input Power (kW)	Output Torque (kg-m)	Input Power (hp)	Output Torque (in-lb)	Input Power (kW)	Output Torque (kg-m)	Input Power (hp)	Output Torque (in-lb)	Input Power (kW)	Output Torque (kg-m)
B0707									0.125	217	0.093	2.50	0.125	217	0.093	2.50				
B0807					0.125	434	0.093	5.00	0.125	434	0.093	5.00	0.125	434	0.093	5.00				
B0908	0.125	1130	0.093	13.0	0.125	1130	0.093	13.0	0.125	1130	0.093	13.0	0.125	1130	0.093	13.0	0.125	1130	0.093	13.0
B1008	0.125	2170	0.093	25.0	0.125	2170	0.093	25.0	0.125	2170	0.093	25.0	0.125	2170	0.093	25.0	0.125	2170	0.093	25.0
B1109	0.153	5200	0.114	59.9	0.148	5200	0.110	59.9	0.133	5200	0.099	59.9	0.133	5200	0.099	59.9	0.125	5200	0.093	59.9
B1310	0.260	7810	0.194	90.0	0.250	7810	0.187	90.0	0.250	7810	0.187	90.0	0.250	7810	0.187	90.0	0.250	7810	0.187	90.0
B1409	0.415	9550	0.310	110	0.405	9550	0.302	110	0.375	9550	0.280	110	0.375	9550	0.280	110	0.375	9550	0.280	110
B1611	0.515	15600	0.384	180	0.505	15600	0.377	180	0.500	15600	0.373	180	0.500	15600	0.373	180	0.500	15600	0.373	180
B1711	0.665	23400	0.496	270	0.635	23400	0.474	270	0.560	23400	0.418	270	0.555	23400	0.414	270	0.510	23400	0.380	270
B1813	1.10	34700	0.817	400	1.07	34700	0.794	400	1.00	34700	0.746	400	1.00	34700	0.746	400	1.00	34700	0.746	400
B1911	1.77	62500	1.32	720	1.68	62500	1.25	720	1.38	62500	1.029	720	1.35	62500	1.01	720	1.19	62500	0.884	720
B1913																				
B2011													2.00	72900	1.49	840	2.00	68700	1.49	791
B2013	2.18	68700	1.62	791	2.18	72900	1.62	840												
B2113	2.40	82500	1.79	950	2.54	89000	1.89	1025					2.24	95500	1.67	1100	2.00	82500	1.49	950
B2116																				
B2213	3.36	109000	2.51	1256	3.48	122000	2.60	1405					3.10	122000	2.31	1405	3.00	109000	2.24	1256
B2217																				
B2316	3.93	139000	2.93	1601	4.23	156000	3.15	1797					3.54	156000	2.64	1797	3.02	139000	2.25	1601
B2318																				
B2416	5.42	191000	4.04	2200	5.42	200000	4.04	2304					4.35	200000	3.25	2304	3.61	191000	2.69	2200
B2418																				
B2517	7.04	248000	5.25	2857	6.99	260000	5.21	2995					5.88	260000	4.38	2995	5.23	248000	3.90	2857
B2519																				
B2619	9.47	334000	7.06	3848	10.3	382000	7.69	4401					8.74	382000	6.52	4401	7.50	334000	5.60	3848
B2719					14.0	521000	10.4	6002					11.8	521000	8.77	6002				

For all possible double stage reduction ratios, please refer to page 48.

Reduction Ratio	1505 (43 x 35)				1711 (59 x 29)				1849 (43 x 43)				2065 (59 x 35)				2537 (59 x 43)			
Output RPM	0.97				0.85				0.79				0.71				0.58			
DARALI Frame Size	Input Power (hp)	Output Torque (in-lb)	Input Power (kW)	Output Torque (kg-m)	Input Power (hp)	Output Torque (in-lb)	Input Power (kW)	Output Torque (kg-m)	Input Power (hp)	Output Torque (in-lb)	Input Power (kW)	Output Torque (kg-m)	Input Power (hp)	Output Torque (in-lb)	Input Power (kW)	Output Torque (kg-m)	Input Power (hp)	Output Torque (in-lb)	Input Power (kW)	Output Torque (kg-m)
B0707	0.125	217	0.093	2.50	0.120	217	0.090	2.50	0.125	217	0.093	2.50	0.120	217	0.090	2.50	0.120	217	0.090	2.50
B0807	0.125	434	0.093	5.00	0.125	434	0.093	5.00	0.125	434	0.093	5.00	0.125	434	0.093	5.00	0.125	434	0.093	5.00
B0908	0.125	1130	0.093	13.0	0.125	1130	0.093	13.0	0.125	1130	0.093	13.0	0.125	1130	0.093	13.0	0.125	1130	0.093	13.0
B1008	0.125	2170	0.093	25.0	0.125	2170	0.093	25.0	0.125	2170	0.093	25.0	0.125	2170	0.093	25.0	0.125	2170	0.093	25.0
B1109	0.125	5200	0.093	59.9	0.125	5200	0.093	59.9	0.125	5200	0.093	59.9	0.125	5200	0.093	59.9	0.125	5200	0.093	59.9
B1310	0.250	7810	0.187	90.0	0.250	7810	0.187	90.0	0.250	7810	0.187	90.0	0.250	7810	0.187	90.0	0.250	7810	0.187	90.0
B1409	0.375	9550	0.280	110	0.375	9550	0.280	110	0.375	9550	0.280	110	0.375	9525	0.280	110	0.375	9525	0.280	110
B1611	0.500	15600	0.373	180	0.500	15600	0.373	180	0.500	15600	0.373	180	0.500	15600	0.373	180	0.500	15600	0.373	180
B1711	0.505	23400	0.377	270	0.500	23400	0.373	270	0.500	23400	0.373	270	0.500	23400	0.373	270	0.500	23400	0.373	270
B1813	1.00	34700	0.746	400	1.00	34700	0.746	400	1.00	34700	0.746	400	1.00	34700	0.746	400	1.00	34700	0.746	400
B1911	1.17	62500	0.873	720	1.09	62500	0.81	720	1.05	62500	0.783	720	1.00	62500	0.75	720	1.00	62500	0.746	720
B1913																				
B2011	2.00	72900	1.49	840	2.00	72900	1.492	840	2.0	72900	1.49	840	2.00	72900	1.49	840	2.00	72900	1.49	840
B2013																				
B2113	2.00	95500	1.49	1100	2.00	95500	1.49	1100	2.00	95500	1.49	1100	2.00	95500	1.49	1100	2.00	95500	1.49	1100
B2116																				
B2213	3.00	122000	2.24	1405	3.00	122000	2.24	1405	3.00	122000	2.24	1405	3.00	122000	2.24	1405	3.00	122000	2.24	1405
B2217																				
B2316	3.19	156000	2.38	1797	3.00	156000	2.24	1797	3.00	156000	2.24	1797	3.00	156000	2.24	1797	3.00	156000	2.24	1797
B2318																				
B2416	3.67	200000	2.74	2304	3.41	200000	2.54	2304	3.27	200000	2.44	2304	3.08	200000	2.30	2304	3.00	200000	2.24	2304
B2418																				
B2517	5.30	260000	3.95	2995	5.00	260000	3.73	2995	5.0	260000	3.73	2995	5.00	260000	3.73	2995	5.00	260000	3.73	2995
B2519																				
B2619	7.90	382000	5.89	4401	7.50	382000	5.60	4401	7.5	382000	5.6	4401	7.50	382000	5.60	4401	7.50	382000	5.60	4401
B2719	10.6	521000	7.91	6002	10.0	521000	7.5	6002	10.0	521000	7.5	6002	10.0	521000	7.46	6002	10.0	521000	7.46	6002

NOTE: Hp ratings shown in the shaded area are to overcome the break-away torque requirements in high inertia or low temperature applications. Do not use those hp ratings as the basis of your selections. You should always size your applications based on output torque requirements. Please consult with factory.

Torque Rating - Double Reduction (102:1 ~ 7569:1)

1460 rpm (50 Hz x 4P)

Always apply appropriate service factor (s.f.) to your application requirement.

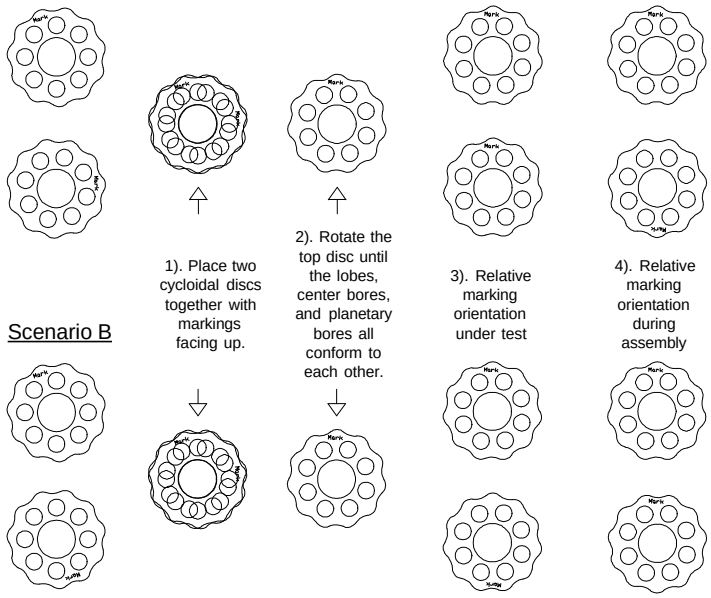
Reduction Ratio	3045 (87 x 35)				3481 (59 x 59)				3741 (87 x 43)				4437 (87 x 51)				5133 (87 x 59)			
Output RPM	0.48				0.42				0.39				0.33				0.28			
DARALI Frame Size	Input Power (hp)	Output Torque (in-lb)	Input Power (kW)	Output Torque (kg-m)	Input Power (hp)	Output Torque (in-lb)	Input Power (kW)	Output Torque (kg-m)	Input Power (hp)	Output Torque (in-lb)	Input Power (kW)	Output Torque (kg-m)	Input Power (hp)	Output Torque (in-lb)	Input Power (kW)	Output Torque (kg-m)	Input Power (hp)	Output Torque (in-lb)	Input Power (kW)	Output Torque (kg-m)
B0707																				
B0807																				
B0908	0.125	1130	0.093	13.0	0.125	1130	0.093	13.0	0.125	1130	0.093	13.0	0.125	1130	0.093	13.0	0.125	1130	0.093	13.0
B1008	0.125	2170	0.093	25.0	0.125	2170	0.093	25.0	0.125	2170	0.093	25.0	0.125	2170	0.093	25.0	0.125	2170	0.093	25.0
B1109	0.125	5200	0.093	59.9	0.125	5200	0.093	59.9	0.125	5200	0.093	59.9	0.125	5200	0.093	59.9	0.125	5200	0.093	59.9
B1310	0.250	7810	0.187	90.0	0.250	7810	0.187	90.0	0.250	7810	0.187	90.0	0.250	7810	0.187	90.0	0.250	7810	0.187	90.0
B1409	0.375	9530	0.280	110	0.375	9530	0.280	110	0.375	9530	0.280	110	0.375	9530	0.280	110	0.375	9530	0.280	110
B1611	0.500	15600	0.373	180	0.500	15600	0.373	180	0.500	15600	0.373	180	0.500	15600	0.373	180	0.500	15600	0.373	180
B1711	0.500	23400	0.373	270	0.500	23400	0.373	270	0.500	23400	0.373	270	0.500	23400	0.373	270	0.500	23400	0.373	270
B1813	1.00	34700	0.746	400	1.00	34700	0.746	400	1.00	34700	0.746	400	1.00	34700	0.746	400	1.00	34700	0.746	400
B1911	1.00	62500	0.746	720	1.00	62500	0.746	720	1.00	62500	0.746	720	1.00	62500	0.746	720	1.00	62500	0.746	720
B1913																				
B2011	2.00	70800	1.49	816	2.00	72900	1.49	840	2.00	72900	1.49	840	2.00	72900	1.49	840	2.00	72900	1.49	840
B2013																				
B2113	2.00	82500	1.49	950	2.00	95500	1.49	1100	2.00	95500	1.49	1100	2.00	95500	1.49	1100	2.00	95500	1.49	1100
B2116																				
B2213	3.00	115500	2.24	1331	3.00	122000	2.24	1405	3.00	122000	2.24	1405	3.00	122000	2.24	1405	3.00	122000	2.24	1405
B2217																				
B2316	3.00	147500	2.24	1699	3.00	156000	2.24	1797	3.00	156000	2.24	1797	3.00	156000	2.24	1797	3.00	156000	2.24	1797
B2318																				
B2416	3.00	191000	2.24	2200	3.00	200000	2.24	2304	3.00	200000	2.24	2304	3.00	200000	2.24	2304	3.00	200000	2.24	2304
B2418																				
B2517	5.00	248000	3.73	2857	5.00	260000	3.73	2995	5.00	260000	3.73	2995	5.00	260000	3.73	2995	5.00	260000	3.73	2995
B2519																				
B2619	7.50	334000	5.60	3848	7.50	382000	5.60	4401	7.50	382000	5.60	4401	7.50	382000	5.60	4401	7.50	382000	5.60	4401
B2719					10.0	521000	7.46	6002	10.0	521000	7.46	6002	10.0	521000	7.46	6002	10.0	521000	7.46	6002

Reduction Ratio	6177 (87 x 71)				7569 (87 x 87)			
Output RPM	0.24				0.19			
DARALI Frame Size	Input Power (hp)	Output Torque (in-lb)	Input Power (kW)	Output Torque (kg-m)	Input Power (hp)	Output Torque (in-lb)	Input Power (kW)	Output Torque (kg-m)
B0707								
B0807								
B0908								
B1008								
B1109	0.125	5200	0.093	59.9	0.125	5200	0.093	59.9
B1310	0.250	7810	0.187	90.0	0.250	7810	0.187	90.0
B1409	0.375	9530	0.280	110	0.375	9530	0.280	110
B1611	0.500	15600	0.373	180	0.500	15600	0.373	180
B1711	0.500	23400	0.373	270	0.500	23400	0.373	270
B1813	1.00	34700	0.746	400	1.00	34700	0.746	400
B1911	1.00	62500	0.746	720	1.00	62500	0.746	720
B1913								
B2011	2.00	68700	1.49	791	1.50	68700	1.12	791
B2013								
B2113	2.00	82500	1.49	950	2.00	82500	1.49	950
B2116								
B2213	3.00	109000	2.24	1256	3.00	109000	2.24	1256
B2217								
B2316	3.00	139000	2.24	1601	3.00	139000	2.24	1601
B2318								
B2416	3.00	191000	2.24	2200	3.00	191000	2.24	2200
B2418								
B2517	5.00	248000	3.73	2857	5.00	248000	3.73	2857
B2519								
B2619	7.50	334000	5.60	3848	7.50	334000	5.60	3848
B2719								

☞ DO YOU KNOW .....

Frame size B10 and above are equipped with two cycloidal discs. Those two discs are offset with each other by 180°. The reducers are dynamically balanced during operation. When assembling reducers of the above frame sizes, the two cycloidal discs have to be put in correctly relative to each other in order to ensure a successful assembly. The following rules will assure you the correct assembly.

Scenario A



Scenario B

Torque Rating - Double Reduction (102:1 ~ 7569:1)

1165 rpm (60 Hz x 6P)

Always apply appropriate service factor (s.f.) to your application requirement.

Reduction Ratio	102 (17 x 6)				121 (11 x 11)				165 (15 x 11)				174 (29 x 6)				187 (17 x 11)			
Output RPM	11.4				9.6				7.06				6.70				6.23			
DARALI Frame Size	Input Power (hp)	Output Torque (in-lb)	Input Power (kW)	Output Torque (kg-m)	Input Power (hp)	Output Torque (in-lb)	Input Power (kW)	Output Torque (kg-m)	Input Power (hp)	Output Torque (in-lb)	Input Power (kW)	Output Torque (kg-m)	Input Power (hp)	Output Torque (in-lb)	Input Power (kW)	Output Torque (kg-m)	Input Power (hp)	Output Torque (in-lb)	Input Power (kW)	Output Torque (kg-m)
B0707					0.125	217	0.093	2.50	0.125	217	0.093	2.50					0.125	217	0.093	2.50
B0807					0.125	434	0.093	5.00	0.125	434	0.093	5.00					0.125	434	0.093	5.00
B0908	0.240	1130	0.179	13.0	0.200	1130	0.149	13.0	0.150	1130	0.112	13.0	0.140	1130	0.104	13.0	0.130	1130	0.097	13.0
B1008	0.460	2170	0.343	25.0	0.390	2170	0.291	25.0	0.280	2170	0.209	25.0	0.270	2170	0.201	25.0	0.250	2170	0.187	25.0
B1109	1.11	5200	0.828	59.9	0.930	5200	0.694	59.9	0.680	5200	0.507	59.9	0.650	5200	0.485	59.9	0.600	5200	0.448	59.9
B1310	1.65	7810	1.23	90.0	1.39	7810	1.04	90.0	1.02	7810	0.761	90.0	0.970	7810	0.724	90.0	0.900	7810	0.671	90.0
B1409									1.25	9550	0.933	110	1.19	9550	0.888	110	1.10	9550	0.821	110
B1611	3.30	15600	2.46	180	2.79	15600	2.08	180	2.04	15600	1.52	180	1.94	15600	1.45	180	1.80	15600	1.34	180
B1711	4.99	23400	3.72	270	3.89	21700	2.90	250	3.09	23400	2.31	270	2.93	23400	2.19	270	2.72	23400	2.03	270
B1813	7.39	34700	5.51	400	5.13	28600	3.83	329	4.57	34700	3.41	400	4.33	34700	3.23	400	4.03	34700	3.01	400
B1911													5.24	41900	3.91	483	4.87	41900	3.63	483
B1913	12.9	60800	9.62	700	8.72	48600	6.51	560	7.77	59000	5.80	680	7.80	62500	5.82	720	7.06	60800	5.27	700
B2011																				
B2013									8.50	64900	6.34	748	8.53	68700	6.36	791				
B2113																				
B2116					11.1	62500	8.28	720	10.5	80200	7.83	924	10.2	82500	7.61	950				
B2213																				
B2217					14.7	82500	11.0	950	13.7	105000	10.2	1210	14.8	119000	11.0	1371				
B2316													19.0	153000	14.2	1763				
B2318					17.1	95500	12.8	1100	17.5	134000	13.1	1544								
B2416																				
B2418					21.8	122000	16.3	1405	22.5	172000	16.8	1981								
B2517																				
B2519					27.9	156000	20.8	1797	26.2	200000	19.5	2304								
B2619					35.7	200000	26.6	2304	34.0	260000	25.4	2995								
B2719																				

For all possible double stage reduction ratios, please refer to page 48.

Reduction Ratio	210 (35 x 6)				231 (21 x 11)				258 (43 x 6)				289 (17 x 17)				319 (29 x 11)			
Output RPM	5.55				5.04				4.52				4.03				3.65			
DARALI Frame Size	Input Power (hp)	Output Torque (in-lb)	Input Power (kW)	Output Torque (kg-m)	Input Power (hp)	Output Torque (in-lb)	Input Power (kW)	Output Torque (kg-m)	Input Power (hp)	Output Torque (in-lb)	Input Power (kW)	Output Torque (kg-m)	Input Power (hp)	Output Torque (in-lb)	Input Power (kW)	Output Torque (kg-m)	Input Power (hp)	Output Torque (in-lb)	Input Power (kW)	Output Torque (kg-m)
B0707					0.125	217	0.093	2.50					0.125	217	0.093	2.50	0.125	217	0.093	2.50
B0807					0.125	434	0.093	5.00					0.125	434	0.093	5.00	0.125	434	0.093	5.00
B0908	0.125	1130	0.093	13.0	0.125	1130	0.093	13.0	0.125	1130	0.093	13.0	0.125	1130	0.093	13.0	0.125	1130	0.093	13.0
B1008	0.220	2170	0.164	25.0	0.200	2170	0.149	25.0	0.180	2170	0.134	25.0	0.160	2170	0.119	25.0	0.150	2170	0.112	25.0
B1109	0.540	5200	0.403	59.9	0.490	5200	0.366	59.9	0.440	5200	0.328	59.9	0.390	5200	0.291	59.9	0.350	5200	0.261	59.9
B1310	0.800	7810	0.597	90.0	0.730	7810	0.545	90.0	0.650	7810	0.485	90.0	0.580	7810	0.433	90.0	0.530	7810	0.395	90.0
B1409	0.990	9550	0.739	110	0.890	9550	0.664	110	0.800	9550	0.597	110	0.710	9550	0.530	110	0.650	9550	0.485	110
B1611	1.61	15600	1.20	180	1.46	15600	1.09	180	1.31	15600	0.977	180	1.17	15600	0.873	180	1.06	15600	0.791	180
B1711	2.43	23400	1.81	270	2.20	23400	1.64	270	1.97	23400	1.47	270	1.76	23400	1.31	270	1.60	23400	1.19	270
B1813	3.59	34700	2.68	400	3.27	34700	2.44	400	2.92	34700	2.18	400	2.61	34700	1.95	400	2.37	34700	1.77	400
B1911	4.34	41900	3.24	483	3.92	41900	2.92	483	3.53	41900	2.63	483	3.15	41900	2.35	483	3.31	48600	2.47	560
B1913	6.46	62500	4.82	720	5.87	62500	4.38	720	5.26	62500	3.92	720	4.57	60800	3.41	700	4.23	62500	3.16	720
B2011																				
B2013									5.24	62500	3.91	720					4.65	68700	3.47	791
B2113																	5.58	82500	4.16	950
B2116					7.71	82500	5.75	950	6.91	82500	5.15	950								
B2213																				
B2217					11.1	119000	8.28	1371	10.2	122000	7.61	1405					8.06	119000	6.01	1371
B2316									13.2	156000	9.85	1797					10.4	153000	7.76	1763
B2318					13.0	139000	9.70	1601												
B2416									14.7	174000	11.0	2004								
B2418					16.3	174000	12.2	2004									11.8	174000	8.80	2004
B2517									16.8	260000	12.5	2995								
B2519					23.2	248000	17.3	2857									16.8	248000	12.53	2857
B2619					28.4	304000	21.2	3502									22.6	334000	16.86	3848
B2719																				

NOTE: Hp ratings shown in the shaded area are to overcome the break-away torque requirements in high inertia or low temperature applications. Do not use those hp ratings as the basis of your selections. You should always size your applications based on output torque requirements. Please consult with factory.

Torque Rating - Double Reduction (102:1 ~ 7569:1)

1165 rpm (60 Hz x 6P)

Always apply appropriate service factor (s.f.) to your application requirement.

Reduction Ratio	354 (59 x 6)				385 (35 x 11)				435 (29 x 15)				473 (43 x 11)				493 (29 x 17)			
Output RPM	3.29				3.03				2.68				2.46				2.36			
DARALI Frame Size	Input Power (hp)	Output Torque (in-lb)	Input Power (kW)	Output Torque (kg-m)	Input Power (hp)	Output Torque (in-lb)	Input Power (kW)	Output Torque (kg-m)	Input Power (hp)	Output Torque (in-lb)	Input Power (kW)	Output Torque (kg-m)	Input Power (hp)	Output Torque (in-lb)	Input Power (kW)	Output Torque (kg-m)	Input Power (hp)	Output Torque (in-lb)	Input Power (kW)	Output Torque (kg-m)
B0707					0.125	217	0.093	2.50					0.125	217	0.093	2.50	0.125	217	0.093	2.50
B0807					0.125	434	0.093	5.00					0.125	434	0.093	5.00	0.125	434	0.093	5.00
B0908	0.125	1130	0.093	13.0	0.125	1130	0.093	13.0	0.125	1130	0.093	13.0	0.125	1130	0.093	13.0	0.125	1130	0.093	13.0
B1008	0.130	2170	0.097	25.0	0.125	2170	0.093	25.0	0.125	2170	0.093	25.0	0.125	2170	0.093	25.0	0.125	2170	0.093	25.0
B1109	0.320	5200	0.239	59.9	0.290	5200	0.216	59.9	0.260	5200	0.194	59.9	0.240	5200	0.179	59.9	0.230	5200	0.172	59.9
B1310	0.480	7810	0.358	90.0	0.440	7810	0.328	90.0	0.390	7810	0.291	90.0	0.360	7810	0.269	90.0	0.340	7810	0.254	90.0
B1409	0.580	9550	0.433	110	0.540	9550	0.403	110	0.500	9550	0.373	110	0.500	9550	0.373	110	0.500	9550	0.373	110
B1611	0.950	15600	0.709	180	0.880	15600	0.656	180	0.780	15600	0.582	180	0.710	15600	0.530	180	0.680	15600	0.507	180
B1711	1.44	23400	1.07	270	1.32	23400	0.985	270	1.17	23400	0.873	270	1.08	23400	0.806	270	1.03	23400	0.768	270
B1813	2.13	34700	1.59	400	1.96	34700	1.46	400	1.73	34700	1.29	400	1.60	34700	1.19	400	1.53	34700	1.14	400
B1911	2.99	48600	2.23	560	2.75	48600	2.05	560	2.42	48600	1.81	560	2.23	48600	1.66	560	2.14	48600	1.60	560
B1913	3.81	62500	2.84	720	3.51	62500	2.62	720	3.11	62500	2.32	720	2.85	62500	2.13	720	2.74	62500	2.04	720
B2011																				
B2013	4.45	72900	3.32	840					3.41	68700	2.54	791	3.33	72900	2.48	840	3.01	68700	2.25	791
B2113	5.03	82500	3.75	950					4.10	82500	3.06	950	4.36	95500	3.25	1100	3.61	82500	2.69	950
B2116																				
B2213									5.91	119000	4.41	1371	5.57	122000	4.16	1405	5.21	119000	3.89	1371
B2217	7.45	122000	5.56	1405																
B2316	9.58	156000	7.15	1797					7.60	153000	5.67	1763	7.16	156000	5.34	1797	6.70	153000	5.00	1763
B2318																				
B2416	10.6	174000	7.91	2004					8.65	174000	6.45	2004	9.18	200000	6.85	2304	7.61	174000	5.68	2004
B2418																				
B2517	12.2	260000	9.10	2995					12.4	248000	9.25	2857	11.9	260000	8.88	2995	10.9	248000	8.13	2857
B2519																				
B2619									16.7	334000	12.5	3848	17.4	382000	13.0	4401	14.6	334000	10.89	3848
B2719													23.8	521000	17.8	6002				

For all possible double stage reduction ratios, please refer to page 48.

Reduction Ratio	522 (87 x 6)				595 (35 x 17)				649 (59 x 11)				731 (43 x 17)				841 (29 x 29)			
Output RPM	2.23				1.96				1.80				1.59				1.39			
DARALI Frame Size	Input Power (hp)	Output Torque (in-lb)	Input Power (kW)	Output Torque (kg-m)	Input Power (hp)	Output Torque (in-lb)	Input Power (kW)	Output Torque (kg-m)	Input Power (hp)	Output Torque (in-lb)	Input Power (kW)	Output Torque (kg-m)	Input Power (hp)	Output Torque (in-lb)	Input Power (kW)	Output Torque (kg-m)	Input Power (hp)	Output Torque (in-lb)	Input Power (kW)	Output Torque (kg-m)
B0707					0.125	217	0.093	2.50					0.125	217	0.093	2.50	0.125	217	0.093	2.50
B0807					0.125	434	0.093	5.00	0.125	434	0.093	5.00	0.125	434	0.093	5.00	0.125	434	0.093	5.00
B0908	0.125	1130	0.093	13.0	0.125	1130	0.093	13.0	0.125	1130	0.093	13.0	0.125	1130	0.093	13.0	0.125	1130	0.093	13.0
B1008	0.125	2170	0.093	25.0	0.125	2170	0.093	25.0	0.125	2170	0.093	25.0	0.125	2170	0.093	25.0	0.125	2170	0.093	25.0
B1109	0.220	5200	0.164	59.9	0.190	5200	0.142	59.9	0.170	5200	0.127	59.9	0.150	5200	0.112	59.9	0.130	5200	0.097	59.9
B1310	0.320	7810	0.239	90.0	0.280	7810	0.209	90.0	0.260	7810	0.194	90.0	0.250	7810	0.187	90.0	0.250	7810	0.187	90.0
B1409	0.500	9550	0.373	110	0.500	9550	0.373	110	0.500	9550	0.373	110	0.500	9550	0.373	110	0.500	9550	0.373	110
B1611	0.650	15600	0.485	180	0.570	15600	0.425	180	0.520	15600	0.388	180	0.500	15600	0.373	180	0.500	15600	0.373	180
B1711	0.980	23400	0.731	270	0.860	23400	0.642	270	0.780	23400	0.582	270	0.700	23400	0.522	270	0.610	23400	0.455	270
B1813	1.45	34700	1.08	400	1.27	34700	0.947	400	1.16	34700	0.865	400	1.03	34700	0.768	400	1.00	34700	0.746	400
B1911	2.02	48600	1.51	560	1.78	48600	1.33	560	2.09	62500	1.56	720	1.84	62500	1.37	720	1.61	62500	1.20	720
B1913	2.58	62500	1.92	720	2.27	62500	1.69	720												
B2011																				
B2013	2.84	68700	2.12	791					2.43	72900	1.81	840	2.15	72900	1.60	840	2.00	68700	1.49	791
B2113	3.41	82500	2.54	950					3.19	95500	2.38	1100	2.82	95500	2.10	1100	2.13	82500	1.59	950
B2116																				
B2213	4.51	109000	3.36	1256					4.06	122000	3.03	1405	3.60	122000	2.69	1405	3.06	119000	2.28	1371
B2217																				
B2316	5.75	139000	4.29	1601					5.24	156000	3.91	1797	4.63	156000	3.45	1797	3.93	153000	2.93	1763
B2318																				
B2416	7.90	191000	5.89	2200					6.72	200000	5.01	2304	5.94	200000	4.43	2304	4.49	174000	3.35	2004
B2418																				
B2517	10.3	248000	7.68	2857					8.68	260000	6.48	2995	7.67	260000	5.72	2995	6.37	248000	4.75	2857
B2519																				
B2619									12.7	382000	9.47	4401	11.3	382000	8.43	4401	8.58	334000	6.40	3848
B2719									17.4	521000	12.98	6002	15.4	521000	11.5	6002				

NOTE: Hp ratings shown in the shaded area are to overcome the break-away torque requirements in high inertia or low temperature applications. Do not use those hp ratings as the basis of your selections. You should always size your applications based on output torque requirements. Please consult with factory.

Torque Rating - Double Reduction (102:1 ~ 7569:1)

1165 rpm (60 Hz x 6P)

Always apply appropriate service factor (s.f.) to your application requirement.

Reduction Ratio	957 (87 x 11)				1003 (59 x 17)				1225 (35 x 35)				1247 (43 x 29)				1479 (87 x 17)			
Output RPM	1.22				1.16				0.95				0.93				0.79			
DARALI Frame Size	Input Power (hp)	Output Torque (in-lb)	Input Power (kW)	Output Torque (kg-m)	Input Power (hp)	Output Torque (in-lb)	Input Power (kW)	Output Torque (kg-m)	Input Power (hp)	Output Torque (in-lb)	Input Power (kW)	Output Torque (kg-m)	Input Power (hp)	Output Torque (in-lb)	Input Power (kW)	Output Torque (kg-m)	Input Power (hp)	Output Torque (in-lb)	Input Power (kW)	Output Torque (kg-m)
B0707									0.125	217	0.093	2.50	0.125	217	0.093	2.50				
B0807					0.125	434	0.093	5.00	0.125	434	0.093	5.00	0.125	434	0.093	5.00				
B0908	0.125	1130	0.093	13.0	0.125	1130	0.093	13.0	0.125	1130	0.093	13.0	0.125	1130	0.093	13.0	0.125	1130	0.093	13.0
B1008	0.125	2170	0.093	25.0	0.125	2170	0.093	25.0	0.125	2170	0.093	25.0	0.125	2170	0.093	25.0	0.125	2170	0.093	25.0
B1109	0.125	5200	0.093	59.9	0.125	5200	0.093	59.9	0.125	5200	0.093	59.9	0.125	5200	0.093	59.9	0.125	5200	0.093	59.9
B1310	0.250	7810	0.187	90.0	0.250	7810	0.187	90.0	0.250	7810	0.187	90.0	0.250	7810	0.187	90.0	0.250	7810	0.187	90.0
B1409	0.500	9550	0.373	110	0.500	9550	0.373	110	0.500	9550	0.373	110	0.500	9550	0.373	110	0.500	9550	0.373	110
B1611	0.500	15600	0.373	180	0.500	15600	0.373	180	0.500	15600	0.373	180	0.500	15600	0.373	180	0.500	15600	0.373	180
B1711	0.530	23400	0.395	270	0.510	23400	0.380	270	0.500	23400	0.373	270	0.500	23400	0.373	270	0.500	23400	0.373	270
B1813	1.00	34700	0.746	400	1.00	34700	0.746	400	1.00	34700	0.746	400	1.00	34700	0.746	400	1.00	34700	0.746	400
B1911	1.41	62500	1.05	720	1.34	62500	1.00	720	1.10	62500	0.821	720	1.08	62500	0.806	720	1.00	62500	0.75	720
B1913																				
B2011													2.00	72900	1.49	840	2.00	68700	1.492	791
B2013	2.00	68700	1.49	791	2.00	72900	1.49	840												
B2113	2.00	82500	1.49	950	2.00	82500	1.49	950					2.00	95500	1.49	1100	2.00	82500	1.49	950
B2116																				
B2213	3.00	109000	2.24	1256	3.00	122000	2.24	1405					3.00	122000	2.24	1405	3.00	109000	2.24	1256
B2217																				
B2316	3.14	139000	2.34	1601	3.38	156000	2.52	1797					3.00	156000	2.24	1797	3.00	139000	2.24	1601
B2318																				
B2416	4.31	191000	3.22	2200	4.33	200000	3.23	2304					3.47	200000	2.59	2304	3.00	191000	2.24	2200
B2418																				
B2517	5.60	248000	4.18	2857	5.59	260000	4.17	2995					5.00	260000	3.73	2995	5.00	248000	3.73	2857
B2519																				
B2619	7.54	334000	5.62	3848	8.23	382000	6.14	4401					7.50	382000	5.60	4401	7.50	334000	5.60	3848
B2719					11.2	521000	8.36	6002					10.0	521000	7.46	6002				

For all possible double stage reduction ratios, please refer to page 48.

Reduction Ratio	1505 (43 x 35)				1711 (59 x 29)				1849 (43 x 43)				2065 (59 x 35)				2537 (59 x 43)			
Output RPM	0.77				0.68				0.63				0.56				0.46			
DARALI Frame Size	Input Power (hp)	Output Torque (in-lb)	Input Power (kW)	Output Torque (kg-m)	Input Power (hp)	Output Torque (in-lb)	Input Power (kW)	Output Torque (kg-m)	Input Power (hp)	Output Torque (in-lb)	Input Power (kW)	Output Torque (kg-m)	Input Power (hp)	Output Torque (in-lb)	Input Power (kW)	Output Torque (kg-m)	Input Power (hp)	Output Torque (in-lb)	Input Power (kW)	Output Torque (kg-m)
B0707	0.125	217	0.093	2.50					0.125	217	0.093	2.50								
B0807	0.125	434	0.093	5.00	0.125	434	0.093	5.00	0.125	434	0.093	5.00	0.125	434	0.093	5.00	0.125	434	0.093	5.00
B0908	0.125	1130	0.093	13.0	0.125	1130	0.093	13.0	0.125	1130	0.093	13.0	0.125	1130	0.093	13.0	0.125	1130	0.093	13.0
B1008	0.125	2170	0.093	25.0	0.125	2170	0.093	25.0	0.125	2170	0.093	25.0	0.125	2170	0.093	25.0	0.125	2170	0.093	25.0
B1109	0.125	5200	0.093	59.9	0.125	5200	0.093	59.9	0.125	5200	0.093	59.9	0.125	5200	0.093	59.9	0.125	5200	0.093	59.9
B1310	0.250	7810	0.187	90.0	0.250	7810	0.187	90.0	0.250	7810	0.187	90.0	0.250	7810	0.187	90.0	0.250	7810	0.187	90.0
B1409	0.500	9550	0.373	110	0.500	9550	0.373	110	0.500	9550	0.373	110	0.500	9500	0.373	109	0.500	9500	0.373	109
B1611	0.500	15600	0.373	180	0.500	15600	0.373	180	0.500	15600	0.373	180	0.500	15600	0.373	180	0.500	15600	0.373	180
B1711	0.500	23400	0.373	270	0.500	23400	0.373	270	0.500	23400	0.373	270	0.500	23400	0.373	270	0.500	23400	0.373	270
B1813	1.00	34700	0.746	400	1.00	34700	0.746	400	1.00	34700	0.746	400	1.00	34700	0.746	400	1.00	34700	0.746	400
B1911	1.00	62500	0.746	720	1.00	62500	0.746	720	1.00	62500	0.746	720	1.00	62500	0.746	720	1.00	62500	0.746	720
B1913																				
B2011	2.00	72900	1.49	839.8	2.00	72900	1.49	840	2.00	72900	1.49	840	2.00	72900	1.49	840	2.00	72900	1.49	840
B2013																				
B2113	2.00	95500	1.49	1100	2.00	95500	1.49	1100	2.00	95500	1.49	1100	2.00	95500	1.49	1100	2.00	95500	1.49	1100
B2116																				
B2213	3.00	122000	2.24	1405	3.00	122000	2.24	1405	3.00	122000	2.24	1405	3.00	122000	2.24	1405	3.00	122000	2.24	1405
B2217																				
B2316	3.00	156000	2.24	1797	3.00	156000	2.24	1797	3.00	156000	2.24	1797	3.00	156000	2.24	1797	3.00	156000	2.24	1797
B2318																				
B2416	3.00	200000	2.24	2304	3.00	200000	2.24	2304	3.00	200000	2.24	2304	3.00	200000	2.24	2304	3.00	200000	2.24	2304
B2418																				
B2517	5.00	260000	3.73	2995	5.00	260000	3.73	2995	5.00	260000	3.73	2995	5.00	260000	3.73	2995	5.00	260000	3.73	2995
B2519																				
B2619	7.50	382000	5.60	4401	7.50	382000	5.60	4401	7.50	382000	5.60	4401	7.50	382000	5.60	4401	7.50	382000	5.60	4401
B2719	10.0	521000	7.46	6002	10.0	521000	7.46	6002	10.0	521000	7.46	6002	10.0	521000	7.46	6002	10.0	521000	7.46	6002

NOTE: Hp ratings shown in the shaded area are to overcome the break-away torque requirements in high inertia or low temperature applications. Do not use those hp ratings as the basis of your selections. You should always size your applications based on output torque requirements. Please consult with factory.

Torque Rating - Double Reduction (102:1 ~ 7569:1)

1165 rpm (60 Hz x 6P)

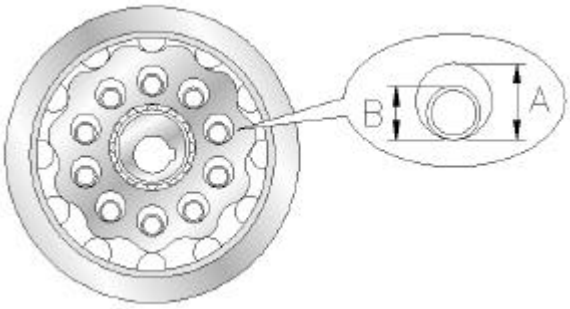
Always apply appropriate service factor (s.f.) to your application requirement.

Reduction Ratio	3045 (87 x 35)				3481 (59 x 59)				3741 (87 x 43)				4437 (87 x 51)				5133 (87 x 59)			
Output RPM	0.38				0.33				0.31				0.26				0.23			
DARALI Frame Size	Input Power (hp)	Output Torque (in-lb)	Input Power (kW)	Output Torque (kg-m)	Input Power (hp)	Output Torque (in-lb)	Input Power (kW)	Output Torque (kg-m)	Input Power (hp)	Output Torque (in-lb)	Input Power (kW)	Output Torque (kg-m)	Input Power (hp)	Output Torque (in-lb)	Input Power (kW)	Output Torque (kg-m)	Input Power (hp)	Output Torque (in-lb)	Input Power (kW)	Output Torque (kg-m)
B0707																				
B0807																				
B0908	0.125	1130	0.093	13.0	0.125	1130	0.093	13.0	0.125	1130	0.093	13.0	0.125	1130	0.093	13.0	0.125	1130	0.093	13.0
B1008	0.125	2170	0.093	25.0	0.125	2170	0.093	25.0	0.125	2170	0.093	25.0	0.125	2170	0.093	25.0	0.125	2170	0.093	25.0
B1109	0.125	5200	0.093	59.9	0.125	5200	0.093	59.9	0.125	5200	0.093	59.9	0.125	5200	0.093	59.9	0.125	5200	0.093	59.9
B1310	0.250	7810	0.187	90.0	0.250	7810	0.187	90.0	0.250	7810	0.187	90.0	0.250	7810	0.187	90.0	0.250	7810	0.187	90.0
B1409	0.500	9500	0.373	109	0.500	9500	0.373	109	0.500	9500	0.373	109	0.500	9500	0.373	109	0.500	9500	0.373	109
B1611	0.500	15600	0.373	180	0.500	15600	0.373	180	0.500	15600	0.373	180	0.500	15600	0.373	180	0.500	15600	0.373	180
B1711	0.500	23400	0.373	270	0.500	23400	0.373	270	0.500	23400	0.373	270	0.500	23400	0.373	270	0.500	23400	0.373	270
B1813	1.00	34700	0.746	400	1.00	34700	0.746	400	1.00	34700	0.746	400	1.00	34700	0.746	400	1.00	34700	0.746	400
B1911	1.00	62500	0.746	720	1.00	62500	0.746	720	1.00	62500	0.746	720	1.00	62500	0.746	720	1.00	62500	0.746	720
B1913																				
B2011	2.00	68700	1.49	791.4	2.00	72900	1.49	840	2.00	72900	1.49	840	2.00	72900	1.49	840	2.00	72900	1.49	840
B2013																				
B2113	2.00	82500	1.49	950	2.00	95500	1.49	1100	2.00	95500	1.49	1100	2.00	95500	1.49	1100	2.00	95500	1.49	1100
B2116																				
B2213	3.00	109000	2.24	1256	3.00	122000	2.24	1405	3.00	122000	2.24	1405	3.00	122000	2.24	1405	3.00	122000	2.24	1405
B2217																				
B2316	3.00	139000	2.24	1601	3.00	156000	2.24	1797	3.00	156000	2.24	1797	3.00	156000	2.24	1797	3.00	156000	2.24	1797
B2318																				
B2416	3.00	191000	2.24	2200	3.00	200000	2.24	2304	3.00	200000	2.24	2304	3.00	200000	2.24	2304	3.00	200000	2.24	2304
B2418																				
B2517	5.00	248000	3.73	2857	5.00	260000	3.73	2995	5.00	260000	3.73	2995	5.00	260000	3.73	2995	5.00	260000	3.73	2995
B2519																				
B2619	7.50	334000	5.60	3848	7.50	382000	5.60	4401	7.50	382000	5.60	4401	7.50	382000	5.60	4401	7.50	382000	5.60	4401
B2719					10.0	521000	7.46	6002	10.0	521000	7.46	6002	10.0	521000	7.46	6002	10.0	521000	7.46	6002

Reduction Ratio	6177 (87 x 71)				7569 (87 x 87)			
Output RPM	0.19				0.15			
DARALI Frame Size	Input Power (hp)	Output Torque (in-lb)	Input Power (kW)	Output Torque (kg-m)	Input Power (hp)	Output Torque (in-lb)	Input Power (kW)	Output Torque (kg-m)
B0707								
B0807								
B0908								
B1008								
B1109	0.125	5200	0.093	59.9	0.125	5200	0.093	59.9
B1310	0.250	7810	0.187	90.0	0.250	7810	0.187	90.0
B1409	0.500	9500	0.373	109	0.500	9500	0.373	109
B1611	0.500	15600	0.373	180	0.500	15600	0.373	180
B1711	0.500	23400	0.373	270	0.500	23400	0.373	270
B1813	1.00	34700	0.746	400	1.00	34700	0.746	400
B1911	1.00	62500	0.746	720	1.00	62500	0.746	720
B1913								
B2011	2.00	68700	1.49	791	1.00	68700	0.746	791
B2013								
B2113	2.00	82500	1.49	950	2.00	82500	1.49	950
B2116								
B2213	3.00	109000	2.24	1256	3.00	109000	2.24	1256
B2217								
B2316	3.00	139000	2.24	1601	3.00	139000	2.24	1601
B2318								
B2416	3.00	191000	2.24	2200	3.00	191000	2.24	2200
B2418								
B2517	5.00	248000	3.73	2857	5.00	248000	3.73	2857
B2519								
B2619	7.50	334000	5.60	3848	7.50	334000	5.60	3848
B2719								

☞ DO YOU KNOW .....

Eccentric bearings from different ratios of the same frame size may be interchangeable if they have the SAME ECCENTRICITY. To determine eccentricity, measure the dimensions as shown below:



Eccentricity = (A-B) / 2

A = Diameter of the holes around the cycloidal disc.

B = Outside diameter of the output shaft rollers.