

Table 10. Available Reduction Ratios.

Single Reduction									
6	8	11	13	15	17	21	25	29	35
43	51	59	71	87	119				
Double Reduction									
104 (13 × 8)	121 (11 × 11)	143 (13 × 11)	165 (15 × 11)	195 (15 × 13)	231 (21 × 11)	273 (21 × 13)	319 (29 × 11)	377 (29 × 13)	473 (43 × 11)
559 (43 × 13)	649 (59 × 11)	731 (43 × 17)	841 (29 × 29)	1003 (59 × 17)	1247 (43 × 29)	1479 (87 × 17)	1849 (43 × 43)	2065 (59 × 35)	2537 (59 × 43)
3045 (87 × 35)	3481 (59 × 59)	4437 (87 × 51)	Note 1 5133 (87 × 59)	6177 (87 × 71)	7569 (87 × 87)				

Note1 : Frame size 6205 # ~ 6265 # are (59 × 87).

Table 11. Other Reduction Ratios.

Under certain conditions, the following reduction ratios may also be available, please consult us.(The following output shaft r/min, is an example when coupled with a 4-pole motor)

Reduction Ratio		88 (11 × 8)	90 (15 × 6)	102 (17 × 6)	120 (15 × 8)	126 (21 × 6)	136 (17 × 8)	150 (25 × 6)	168 (21 × 8)	169 (13 × 13)	174 (29 × 6)	187 (17 × 11)	200 (25 × 8)	210 (35 × 6)	221 (17 × 13)	225 (15 × 15)
Output speed r/min	50Hz	16.5	16.1	14.2	12.1	11.5	10.7	9.67	8.63	8.58	8.33	7.75	7.25	6.90	6.56	6.44
	60Hz	19.9	19.4	17.2	14.6	13.9	12.9	11.7	10.4	10.4	10.1	9.36	8.75	8.33	7.92	7.78

Reduction Ratio		232 (29 × 8)	255 (17 × 15)	258 (43 × 6)	275 (25 × 11)	280 (35 × 8)	289 (17 × 17)	306 (51 × 6)	315 (21 × 15)	325 (25 × 13)	344 (43 × 8)	354 (59 × 6)	357 (21 × 17)	375 (25 × 15)	385 (35 × 11)	408 (51 × 8)
Output speed r/min	50Hz	6.25	5.69	5.62	5.27	5.18	5.02	4.74	4.60	4.46	4.22	4.10	4.06	3.87	3.77	3.55
	60Hz	7.54	6.86	6.87	6.36	6.25	6.06	5.72	5.56	5.38	5.09	4.94	4.90	4.67	4.55	4.29

Reduction Ratio		425 (25 × 17)	426 (71 × 6)	435 (29 × 15)	441 (21 × 21)	455 (35 × 13)	472 (59 × 8)	493 (29 × 17)	522 (87 × 6)	525 (35 × 15)	561 (51 × 11)	568 (71 × 8)	595 (35 × 17)	609 (29 × 21)	625 (25 × 25)	645 (43 × 15)
Output speed r/min	50Hz	3.41	3.40	3.33	3.29	3.19	3.07	2.94	2.78	2.76	2.58	2.55	2.44	2.38	2.32	2.25
	60Hz	4.12	4.11	4.02	3.97	3.85	3.71	3.55	3.35	3.33	3.12	3.08	2.94	2.87	2.80	2.71

Reduction Ratio		663 (51 × 13)	696 (87 × 8)	725 (29 × 25)	735 (35 × 21)	765 (51 × 15)	767 (59 × 13)	781 (71 × 11)	867 (51 × 17)	875 (35 × 25)	885 (59 × 15)	903 (43 × 21)	923 (71 × 13)	957 (87 × 11)	1015 (35 × 29)	1065 (71 × 15)
Output speed r/min	50Hz	2.19	2.08	2.00	1.97	1.90	1.89	1.86	1.67	1.66	1.64	1.61	1.57	1.52	1.43	1.36
	60Hz	2.64	2.51	2.41	2.38	2.29	2.28	2.24	2.02	2.00	1.98	1.94	1.90	1.83	1.72	1.64

Reduction Ratio		1071 (51 × 21)	1075 (43 × 25)	1131 (87 × 13)	1207 (71 × 17)	1225 (35 × 35)	1239 (59 × 21)	1275 (51 × 25)	1305 (87 × 15)	1475 (59 × 25)	1491 (71 × 21)	1505 (43 × 35)	1711 (59 × 29)	1775 (71 × 25)	1785 (51 × 35)	1827 (87 × 21)
Output speed r/min	50Hz	1.35	1.35	1.28	1.20	1.18	1.17	1.14	1.11	0.98	0.97	0.96	0.85	0.82	0.81	0.79
	60Hz	1.63	1.63	1.55	1.45	1.43	1.41	1.37	1.34	1.19	1.17	1.16	1.02	0.99	0.98	0.96

Reduction Ratio		2059 (71 × 29)	2175 (87 × 25)	2193 (51 × 43)	2485 (71 × 35)	2523 (87 × 29)	2601 (51 × 51)	3009 (59 × 51)	3053 (71 × 43)	3621 (71 × 51)	3741 (87 × 43)	4189 (71 × 59)	5041 (71 × 71)
Output speed r/min	50Hz	0.70	0.67	0.66	0.58	0.57	0.56	0.48	0.47	0.40	0.39	0.45	0.29
	60Hz	0.85	0.80	0.80	0.70	0.69	0.67	0.58	0.57	0.48	0.47	0.42	0.35

Input speed
50Hz : 1450r/min
60Hz : 1750r/min