

# Frame Size Selection Tables 60 Hz

## Single-Phase, 1750 RPM

Dimensions:	Frame Size	Page	Frame Size	Page
	1100	3.30	1400	3.36
	1200	3.32	1500	3.38
	1300	3.34	1600	3.40

**1/4 HP**

Output Speed RPM	Output Torque in-lbs	Service Factor	AGMA Class	Overhung Load lbs	HP Symbol	Selection		
						Frame Size	Suffix	Ratio
350	38.3	1.07	I	132	02	1120YA	CB	5
		2.14	III	187		1220YC		
250	53.6	1.07	I	143	02	1120YA	CB	7
		2.14	III	209		1220YC		
175	76.5	1.07	I	165	02	1120YA	CB	10
		2.14	III	231		1220YC		
146	91.8	1.07	I	176	02	1120YA	CB	12
		2.14	III	243		1220YC		
117	115	1.07	I	187	02	1120YA	CB	15
		2.14	III	265		1220YC		
87.5	153	1.07	I	209	02	1120YA	CB	20
		2.14	III	298		1220YC		
70	191	1.07	I	220	02	1120YA	CB	25
		2.14	III	309		1220YC		
58.3	230	1.07	I	231	02	1120YA	CB	30
		2.14	III	331		1220YC		
43.8	306	1.07	I	353	02	1220YA	CB	40
		2.14	III	573		1320YC		
35	383	1.07	I	375	02	1220YA	CB	50
		2.14	III	617		1320YC		
29.2	459	1.07	I	386	02	1220YA	CB	60
		2.14	III	639		1320YC		
21.9	612	1.07	I	661	02	1330YA	CB	80
		2.14	III	959		1430YC		
17.5	765	1.07	I	683	02	1330YA	CB	100
		2.14	III	981		1430YC		
14.6	918	1.07	I	694	02	1330YA	CB	120
		2.14	III	981		1430YC		
11.7	1150	1.07	I	694	02	1330YA	CB	150
		2.14	III	981		1430YC		
8.75	1530	1.07	I	694	02	1330YA	CB	200
		2.14	III	981		1430YC		
7.29	1730 1840	0.94	-	694	02	1330Y	CB	240
		1.88	II	981		1430YB		
5.83	2160	1.07	I	981	02	1440YA	CB	300
		2.14	III	1400		1540YC		
4.86	2590	1.07	I	981	02	1440YA	CB	360
		2.14	III	1400		1540YC		
3.65	3450	1.00	I	981	02	1440YA	CB	480
		1.87	II	1400		1540YB		
2.92	4320	1.50	II	1400	02	1540YB	CB	600
		3.03	III	2200		1640YC		
2.43	5190	1.25	I	1400	02	1540YA	CB	720
		2.53	III	2200		1640YC		

Gearmotors

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Output Speed RPM	Output Torque in-lbs	Service Factor	AGMA Class	Overhung Load lbs	Selection			
					HP Symbol	Frame Size	Suffix	Ratio
1.94	6480	1.00	I	1400	02	<b>1540YA</b>	CB	900
		2.02	III	2200		<b>1640YC</b>		
1.46	6480	0.75	–	1400	02	<b>1540Y</b>	CB	1200
	8640	1.52	II	2200		<b>1640YB</b>		
1.22	6480	0.62	–	1400	02	<b>1540Y</b>	CB	1440
	10400	1.26	I	2200		<b>1640YA</b>		

**1/4 HP**

Output Speed RPM	Output Torque in-lbs	Service Factor	AGMA Class	Overhung Load lbs	Selection			
					HP Symbol	Frame Size	Suffix	Ratio
350	76.5	2.14	III	309	05	<b>1320YC</b>	CB	5
250	107	2.14	III	353	05	<b>1320YC</b>	CB	7
175	153	2.14	III	386	05	<b>1320YC</b>	CB	10
146	184	2.14	III	408	05	<b>1320YC</b>	CB	12
117	230	2.14	III	441	05	<b>1320YC</b>	CB	15
87.5	306	2.14	III	485	05	<b>1320YC</b>	CB	20
70	383	2.14	III	507	05	<b>1320YC</b>	CB	25
58.3	459	2.14	III	529	05	<b>1320YC</b>	CB	30
43.8	612	2.14	III	860	05	<b>1420YC</b>	CB	40
35	765	2.14	III	904	05	<b>1420YC</b>	CB	50
29.2	918	2.14	III	937	05	<b>1420YC</b>	CB	60
21.9	1220	2.14	III	1380	05	<b>1530YC</b>	CB	80
17.5	1530	2.14	III	1400	05	<b>1530YC</b>	CB	100
14.6	1840	2.14	III	1400	05	<b>1530YC</b>	CB	120
11.7	2300	2.14	III	1400	05	<b>1530YC</b>	CB	150
8.75	3060	2.12	III	1400	05	<b>1530YC</b>	CB	200
7.29	3670	1.76	II	1400	05	<b>1530YB</b>	CB	240
5.83	4320	2.14	III	2200	05	<b>1640YC</b>	CB	300
4.86	5190	2.14	III	2200	05	<b>1640YC</b>	CB	360
3.65	6920	1.90	II	2200	05	<b>1640YB</b>	CB	480
2.92	8640	1.52	II	2200	05	<b>1640YB</b>	CB	600
2.43	10400	1.26	I	2200	05	<b>1640YA</b>	CB	720
1.94	13000	1.01	I	2200	05	<b>1640YA</b>	CB	900
1.46	13100	0.76	–	2200	05	<b>1640Y</b>	CB	1200
1.22	13100	0.63	–	2200	05	<b>1640Y</b>	CB	1440

**1/2 HP**