

# Frame Size Selection Tables 60 Hz

## 870 RPM

Dimensions:	Frame Size	Page	Frame Size	Page
	1100	2.24	1400	2.27
	1200	2.25	1500	2.28
	1300	2.26	1600	2.29

Output RPM Ratio	174 5	124 7	87.0 10	72.5 12	58.0 15	43.5 20	34.8 25	29.0 30	21.7 40	17.4 50	14.5 60	10.9 80	8.70 100	Frame Size
<b>Input HP</b>	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.161	0.081	0.081	0.081	-	-	
Output Torque in·lbs	49.6	69.5	99.2	119	149	198	248	298	198	248	298	-	-	<b>1120</b>
Overhung Load lbs	165	187	209	220	231	254	276	287	298	298	298	-	-	
<b>Input HP</b>	0.322	0.322	0.322	0.322	0.322	0.322	0.322	0.322	0.161	0.161	0.161	-	-	
Output Torque in·lbs	99.2	139	198	238	298	397	496	595	397	496	595	-	-	<b>1220</b>
Overhung Load lbs	231	254	287	309	331	353	375	386	408	408	408	-	-	
<b>Input HP</b>	-	-	-	-	-	-	-	-	-	-	-	0.081	0.081	
Output Torque in·lbs	-	-	-	-	-	-	-	-	-	-	-	397	496	<b>1230</b>
Overhung Load lbs	-	-	-	-	-	-	-	-	-	-	-	408	408	
<b>Input HP</b>	0.644	0.644	0.644	0.644	0.644	0.644	0.644	0.644	0.322	0.322	0.322	-	-	
Output Torque in·lbs	198	278	397	476	595	794	992	1190	794	992	1190	-	-	<b>1320</b>
Overhung Load lbs	386	430	485	507	529	573	617	639	672	694	694	-	-	
<b>Input HP</b>	-	-	-	-	-	-	-	-	-	-	-	0.161	0.161	
Output Torque in·lbs	-	-	-	-	-	-	-	-	-	-	-	794	992	<b>1330</b>
Overhung Load lbs	-	-	-	-	-	-	-	-	-	-	-	694	694	
<b>Input HP</b>	-	-	-	-	-	-	-	-	-	-	-	-	-	
Output Torque in·lbs	-	-	-	-	-	-	-	-	-	-	-	-	-	<b>1340</b>
Overhung Load lbs	-	-	-	-	-	-	-	-	-	-	-	-	-	
<b>Input HP</b>	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	0.644	0.644	0.644	-	-	
Output Torque in·lbs	382	535	764	917	1150	1530	1910	2290	1590	1980	2380	-	-	<b>1420</b>
Overhung Load lbs	584	639	716	750	794	860	904	937	981	981	981	-	-	
<b>Input HP</b>	-	-	-	-	-	-	-	-	-	-	-	0.322	0.322	
Output Torque in·lbs	-	-	-	-	-	-	-	-	-	-	-	1590	1980	<b>1430</b>
Overhung Load lbs	-	-	-	-	-	-	-	-	-	-	-	981	981	
<b>Input HP</b>	-	-	-	-	-	-	-	-	-	-	-	-	-	
Output Torque in·lbs	-	-	-	-	-	-	-	-	-	-	-	-	-	<b>1440</b>
Overhung Load lbs	-	-	-	-	-	-	-	-	-	-	-	-	-	
<b>Input HP</b>	1.77	1.77	1.77	1.77	1.77	1.77	1.77	1.77	1.24	1.24	1.24	-	-	
Output Torque in·lbs	546	764	1090	1310	1640	2180	2730	3270	3060	3820	4580	-	-	<b>1520</b>
Overhung Load lbs	838	915	1040	1080	1150	1230	1300	1360	1400	1400	1400	-	-	
<b>Input HP</b>	-	-	-	-	-	-	-	-	-	-	-	0.644	0.644	
Output Torque in·lbs	-	-	-	-	-	-	-	-	-	-	-	3180	3970	<b>1530</b>
Overhung Load lbs	-	-	-	-	-	-	-	-	-	-	-	1400	1400	
<b>Input HP</b>	-	-	-	-	-	-	-	-	1.77	1.77	1.77	1.24	-	
Output Torque in·lbs	-	-	-	-	-	-	-	-	4370	5460	6550	6110	-	<b>1531</b>
Overhung Load lbs	-	-	-	-	-	-	-	-	1400	1400	1400	1400	-	
<b>Input HP</b>	-	-	-	-	-	-	-	-	-	-	-	-	-	
Output Torque in·lbs	-	-	-	-	-	-	-	-	-	-	-	-	-	<b>1540</b>
Overhung Load lbs	-	-	-	-	-	-	-	-	-	-	-	-	-	
<b>Input HP</b>	-	-	-	-	-	-	-	-	-	-	-	-	-	
Output Torque in·lbs	-	-	-	-	-	-	-	-	-	-	-	-	-	<b>1640</b>
Overhung Load lbs	-	-	-	-	-	-	-	-	-	-	-	-	-	

Speed Reducers Selection Tables

## 60 Hz Frame Size Selection Tables

870 RPM

Dimensions:	Frame Size	Page	Frame Size	Page
	1100	2.24	1400	2.27
	1200	2.25	1500	2.28
	1300	2.26	1600	2.29

Output RPM Ratio	7.25 120	5.80 150	4.35 200	3.62 240	2.90 300	2.42 360	1.81 480	1.45 600	1.21 720	0.967 900	0.725 1200	0.604 1440	Frame Size
<b>Input HP</b>	-	-	-	-	-	-	-	-	-	-	-	-	
Output Torque in·lbs	-	-	-	-	-	-	-	-	-	-	-	-	<b>1120</b>
Overhung Load lbs	-	-	-	-	-	-	-	-	-	-	-	-	
<b>Input HP</b>	-	-	-	-	-	-	-	-	-	-	-	-	
Output Torque in·lbs	-	-	-	-	-	-	-	-	-	-	-	-	<b>1220</b>
Overhung Load lbs	-	-	-	-	-	-	-	-	-	-	-	-	
<b>Input HP</b>	0.081	0.081	0.071	0.059	-	-	-	-	-	-	-	-	
Output Torque in·lbs	595	744	868	868	-	-	-	-	-	-	-	-	<b>1230</b>
Overhung Load lbs	408	408	408	408	-	-	-	-	-	-	-	-	
<b>Input HP</b>	-	-	-	-	-	-	-	-	-	-	-	-	
Output Torque in·lbs	-	-	-	-	-	-	-	-	-	-	-	-	<b>1320</b>
Overhung Load lbs	-	-	-	-	-	-	-	-	-	-	-	-	
<b>Input HP</b>	0.161	0.161	0.140	0.117	-	-	-	-	-	-	-	-	
Output Torque in·lbs	1190	1490	1730	1730	-	-	-	-	-	-	-	-	<b>1330</b>
Overhung Load lbs	694	694	694	694	-	-	-	-	-	-	-	-	
<b>Input HP</b>	-	-	-	-	0.081	0.081	0.062	0.050	0.041	0.033	0.025	0.021	
Output Torque in·lbs	-	-	-	-	1400	1680	1730	1730	1730	1730	1730	1730	<b>1340</b>
Overhung Load lbs	-	-	-	-	694	694	694	694	694	694	694	694	
<b>Input HP</b>	-	-	-	-	-	-	-	-	-	-	-	-	
Output Torque in·lbs	-	-	-	-	-	-	-	-	-	-	-	-	<b>1420</b>
Overhung Load lbs	-	-	-	-	-	-	-	-	-	-	-	-	
<b>Input HP</b>	0.322	0.322	0.280	0.234	-	-	-	-	-	-	-	-	
Output Torque in·lbs	2380	2980	3450	3450	-	-	-	-	-	-	-	-	<b>1430</b>
Overhung Load lbs	981	981	981	981	-	-	-	-	-	-	-	-	
<b>Input HP</b>	-	-	-	-	0.161	0.161	0.124	0.099	0.083	0.066	0.050	0.041	
Output Torque in·lbs	-	-	-	-	2800	3360	3450	3450	3450	3450	3450	3450	<b>1440</b>
Overhung Load lbs	-	-	-	-	981	981	981	981	981	981	981	981	
<b>Input HP</b>	-	-	-	-	-	-	-	-	-	-	-	-	
Output Torque in·lbs	-	-	-	-	-	-	-	-	-	-	-	-	<b>1520</b>
Overhung Load lbs	-	-	-	-	-	-	-	-	-	-	-	-	
<b>Input HP</b>	0.644	0.644	0.526	0.438	-	-	-	-	-	-	-	-	
Output Torque in·lbs	4760	5950	6480	6480	-	-	-	-	-	-	-	-	<b>1530</b>
Overhung Load lbs	1400	1400	1400	1400	-	-	-	-	-	-	-	-	
<b>Input HP</b>	-	-	-	-	-	-	-	-	-	-	-	-	
Output Torque in·lbs	-	-	-	-	-	-	-	-	-	-	-	-	<b>1531</b>
Overhung Load lbs	-	-	-	-	-	-	-	-	-	-	-	-	
<b>Input HP</b>	-	-	-	-	0.322	0.310	0.233	0.186	0.155	0.124	0.093	0.078	
Output Torque in·lbs	-	-	-	-	5600	6480	6480	6480	6480	6480	6480	6480	<b>1540</b>
Overhung Load lbs	-	-	-	-	1400	1400	1400	1400	1400	1400	1400	1400	
<b>Input HP</b>	-	-	-	-	0.644	0.628	0.471	0.377	0.314	0.251	0.188	0.157	
Output Torque in·lbs	-	-	-	-	11200	13100	13100	13100	13100	13100	13100	13100	<b>1640</b>
Overhung Load lbs	-	-	-	-	2200	2200	2200	2200	2200	2200	2200	2200	

Speed Reducers

Selection Tables