



Typical Motor Performance Data

MOTOR TYPE MT  
4 Pole TEFC - Standard Efficiency 230/460 VAC, 3/60

HP	Frame	Model	Full Load RPM	FL Amps @460V	Motor Efficiency (%)				Output Torque			KVA Code	NEMA Design
					Typical			Guar.	FL	% of Full Load			
					1/2 Load	3/4 Load	4/4 Load	4/4 Load		Ft. Lbs.	Locked		
0.33	56	E177	1745	0.6	65.1	71.1	72.0	68.0	1.0	239	349	K	B
	48	E522	1740	0.86	43.3	50.8	58.2	-	1.0	383	465	-	B
0.50	56	E180	1740	0.9	67.7	73.0	74.0	70.0	1.5	250	355	K	B
	48	E524		1.12	54.6	63.8	68.4	-	1.5	394	463	-	B
0.75	56	E183	1750	1.4	68.9	74.7	75.5	72.0	2.3	316	434	L	B
	48	E526	1730	1.36	63.9	70.8	73.4	-	2.3	350	405	-	B
1.0	143T	E186	1750	1.7	73.1	78.1	80.0	77.0	3.0	372	485	M	C
	48	F548	1733	1.8	68.0	74.3	77.4	-	3.0	458	495	-	C
1.5	145T	E188	1735	2.4	76.4	79.9	80.0	77.0	4.5	315	406	K	C
2.0	145T	E190	1725	3.1	79.3	81.9	80.0	77.0	6.1	310	390	L	C
2.5	145TY	E680	1730	4	78.2	81.5	80.0	77.0	7.6	370	450	L	B
3	182T	E192	1745	4.2	83.2	85.2	84.0	81.5	9.0	246	344	J	B
	145TY	F710	1730	4.5	81.3	83.7	82.5	80.0	9.0	382	466	L	B
5	182T	E194	1745	6.8	85.1	86.3	84.0	81.5	15.0	220	323	J	B
7.5	213T	E497	1750	10.1	85.6	87.0	86.5	84.0	22.5	230	290	H	B
10	215T	E498	1755	13.2	87.4	88.4	88.5	86.5	30	230	280	H	B
15	254T	E507	1770	18.9	88.2	89.4	88.5	86.5	45	210	260	G	B
20	256T	E508	1765	24.7	89.7	90.4	89.5	87.5	60	210	250	G	C
25	A284T	E608	1770	30	92.3	92.7	91.0	89.5	75	220	220	G	C
30	A286T	E609	1765	37	91.4	91.7	91.0	89.5	90	220	210	G	C

MOTOR TYPE MB  
4 Pole TEFC - Standard Efficiency - 230/460 VAC, 3/60

HP	Frame	Model	Full Load RPM	FL Amps @460V	Motor Efficiency (%)				Output Torque			KVA Code	NEMA Design
					Typical			Guar.	FL	% of Full Load			
					1/2 Load	3/4 Load	4/4 Load	4/4 Load		Ft. Lbs.	Locked		
40	324T	G191	1775	46	94.5	94.5	93.6	92.4	120	170	228	F	B
50	326T	G193	1775	56	95.1	95.0	94.1	93.0	150	189	239	F	B

MOTOR TYPE MO  
6 Pole TEFC - Standard Efficiency - 230/460 VAC, 3/60

HP	Frame	Model	Full Load RPM	FL Amps @460V	Motor Efficiency (%)				Output Torque			KVA Code	NEMA Design
					Typical			Guar.	FL	% of Full Load			
					1/2 Load	3/4 Load	4/4 Load	4/4 Load		Ft. Lbs.	Locked		
0.33	56	E178	1150	0.7	68.7	73.5	74.0	70.0	1.5	210	290	J	B
0.5	56	E181	1150	1.1	65.0	70.6	72.0	68.0	2.3	316	434	L	B
0.75	143T	E184	1155	1.6	66.6	72.0	72.0	68.0	3.4	250	330	K	B
1.0	145T	E501	1145	2	72.5	76.6	77.0	74.0	4.6	290	360	K	C
1.5	145T	E502	1160	2.9	73.4	77.7	78.5	75.5	6.8	310	390	K	C
2.0	182T	E503	1160	3.6	76.3	80.0	80.0	77.0	9	340	420	L	C
3	184T	E495	1165	4.9	81.4	83.6	82.5	80.0	13.5	210	260	H	B
5	213T	E396	1170	5	81.6	84.3	84.0	81.5	23	240	300	J	B
7.5	215T	S701	1170	9.9	86.9	88.3	87.5	85.5	34	190	264	G	B
10	254T	S702	1170	12.9	88.4	89.0	87.5	85.5	45	171	240	F	B

Meet or exceed NRCAN required efficiency. Design C ratings are exempt from this regulation.  
Note: For 575 VAC motors, use typical data above except current. For 575 V current multiply 460 V value by 0.80.



Typical Motor Performance Data

MOTOR TYPE MI  
4 Pole TEFC - Varidyne Inverter Duty - 230/460 VAC, 3/60

HP	Frame	Model	Full Load RPM @ 60 Hz	FL Amps @460V	Motor Efficiency (%)				Output Torque			KVA Code
					Typical			Guar.	FL	% of Full Load		
					1/2 Load	3/4 Load	4/4 Load	4/4 Load	Ft. Lbs.	Locked	Breakdown	
0.33	56	G591	1765	0.8	61.2	69.2	74.0	70.0	1	528	694	R
0.5	56	G592	1770	1.2	64.5	72.2	75.5	72.0	1.5	555	721	R
0.75	56	G593	1760	1.3	73.6	79.0	81.5	78.5	2.2	488	622	P
1.0	143T	G595	1755	1.7	76.5	81.0	82.5	80.0	3	446	567	N
1.5	145T	G596	740	2.3	79.0	82.3	82.5	80.0	4.5	365	458	L
2.0	145TY	G596	1735	2.8	84.2	86.2	85.5	82.5	6	360	440	L

MOTOR TYPE MY  
4 Pole TEFC - Premium Efficiency - 230/460 VAC, 3/60

HP	Frame	Model	Full Load RPM	FL Amps @460V	Motor Efficiency (%)				Output Torque			KVA Code	NEMA Design
					Typical			Guar.	FL	% of Full Load			
					1/2 Load	3/4 Load	4/4 Load	4/4 Load	Ft. Lbs.	Locked	Breakdown		
3	182T	J242	1760	4	88.1	89.6	88.5	86.5	9	250	370	K	B
5	184T	J243	1750	6.3	90.1	90.4	89.5	86.5	15	238	340	J	B
7.5	213T	J244	1765	9.2	91.5	92.1	91.0	89.5	22.3	230	300	G	B
10	215T	J245	1760	11.9	92.4	92.6	91.0	89.5	30	220	280	H	B
15	254T	J246	1775	18.4	92.9	93.3	91.7	90.2	45	230	240	G	B
20	256T	J247	1770	23.7	94.1	94.2	92.4	91.0	60	230	230	G	B
25	284T	G417	1775	29.3	93.8	94.0	93.6	92.4	75	180	250	G	B
30	286T	G519	1775	35	94.4	94.6	94.1	93.0	90	190	250	G	B
40	324T	G191	1775	46	94.5	94.5	93.6	92.4	120	170	228	F	B
50	326T	G193	1775	56	95.1	95.0	94.1	93.0	150	189	239	F	B

MOTOR TYPE MZ  
6 Pole TEFC - Premium Efficiency - 575 VAC, 3/60

HP	Frame	Model	Full Load RPM	FL Amps @575V	Motor Efficiency (%)				Output Torque			KVA Code	NEMA Design
					Typical			Guar.	FL	% of Full Load			
					1/2 Load	3/4 Load	4/4 Load	4/4 Load	Ft. Lbs.	Locked	Breakdown		
1.5	145T	AD93	1740	1.8	80.5	83.5	84.0	81.5	4.5	375	467	L	B
2.0	145T	AD94	1725	2.3	83.4	85.0	84.0	81.5	6	333	409	K	B
3	182T	J793	1760	3.2	87.2	88.8	88.5	86.5	9	253	380	K	B
5	184T	J794	1750	5.2	90.1	90.5	88.5	86.5	15	244	348	H	B
7.5	213T	J795	1765	7.3	91.5	92.0	91.0	89.5	22.3	230	300	H	B
10	215T	J796	1760	9.5	92.5	92.6	91.0	89.5	30	220	280	H	B
15	254T	J797	1775	14.6	93.1	93.4	91.7	90.2	45	220	240	G	B
20	256T	J798	1770	19	94.1	94.1	92.4	91.0	60	220	230	G	B
25	284T	G518	1775	23.4	93.8	94.0	93.0	91.7	75	180	250	G	B
30	286T	G520	1775	27.6	94.4	94.5	93.6	92.4	90	190	250	G	B
40	324T	G192	1775	37	94.5	94.5	93.6	92.4	120	180	237	F	B
50	326T	G194	1775	45	95.2	95.0	94.1	93.0	150	180	28	F	B

Meet or exceed NRCan required efficiency. Design C ratings are exempt from this regulation.



# GEARMOTOR

# CbN3000 SERIES

## Typical Motor Performance Data

### MOTOR TYPE MC 4 Pole TEFC - Corro Duty - 230/460 VAC, 3/60

HP	Frame	Model	Full Load RPM	FL Amps @460V	Motor Efficiency (%)				Output Torque			KVA Code	NEMA Design
					Typical			Guar.	FL	% of Full Load			
					1/2 Load	3/4 Load	4/4 Load	4/4 Load		Ft. Lbs.	Locked		
0.33	56	G116	1750	0.6	66.0	71.8	72.0	68.0	1	230	340	L	B
0.5	56	G133	1745	0.9	68.3	73.6	74.0	70.0	1.5	240	340	K	B
0.75	56	G121	1750	1.4	69.3	75.1	77.0	74.0	2.2	300	420	M	B
1.0	143T	G125	1750	1.6	73.9	78.7	80.0	77.0	3	360	460	M	C
1.5	145T	G127	1735	1.9	76.5	80.0	80.0	77.0	4.5	300	390	K	C
2.0	145T	G128	1725	2.4	80.1	82.7	82.5	80.0	6	330	410	K	C
3	182T	G106	1760	4	88.0	89.5	89.5	87.5	9	240	370	K	B
5	184T	G107	1740	6.4	89.5	89.5	87.5	85.5	15	200	290	H	B
7.5	213T	G110	1765	9.2	91.4	92.0	91.7	90.2	22.3	240	310	H	B
10	215T	G112	1760	11.9	92.5	92.6	91.0	89.5	30	220	280	H	B
15	254T	G114	1775	18.4	93.0	93.4	92.4	91.0	45	230	240	G	B
20	256T	G115	1770	23.7	94.2	94.3	93.0	91.7	60	229	232	G	B
25	284T	G520	1775	25	93.8	94.0	93.0	91.7	75	180	250	G	B
30	286T	G520	1775	27.6	94.4	94.5	93.6	92.4	90	190	250	G	B

### MOTOR TYPE MG 4 Pole - Corro Duty - 575 VAC, 3/60

HP	Frame	Model	Full Load RPM	FL Amps @575V	Motor Efficiency (%)				Output Torque			KVA Code	NEMA Design
					Typical			Guar.	FL	% of Full Load			
					1/2 Load	3/4 Load	4/4 Load	4/4 Load		Ft. Lbs.	Locked		
0.33	56	G118	1750	0.5	66.5	72.5	74.0	70.0	1	250	370	L	B
0.5	56	G120	1750	0.7	67.7	73.6	75.5	72.0	1.5	270	390	K	B
0.75	56	G123	1750	1.1	69.2	75.0	77.0	74.0	2.2	300	420	M	B
1.0	143T	AD95	1755	1.3	77.0	81.4	82.5	80.0	3	428	541	N	C
1.5	145T	AD96	1740	1.8	80.4	83.5	84.0	81.5	4.5	375	466	L	C
2.0	145T	AD97	1725	2.3	83.4	85.1	84.0	81.5	6	330	410	K	C
3	182T	G182	1760	3.2	87.2	88.8	88.5	86.5	9	253	380	K	B
5	184T	G183	1740	5	90.7	90.2	87.5	85.5	15	170	260	H	B
7.5	213T	G186	1760	7.3	91.6	92.1	91.0	89.5	22.3	220	280	H	B
10	215T	G187	1760	9.6	92.5	92.6	91.0	89.5	30	210	270	H	B
15	254T	G146	1775	14.6	93.1	93.4	92.4	91.0	45	220	240	G	B
20	256T	G147	1770	19	94.1	94.2	93.0	91.7	60	220	230	G	B

Meet or exceed NRCAN required efficiency. Design C ratings are exempt from this regulation.



Typical Motor Performance Data

**MOTOR TYPE MS**  
4 Pole TEFC - Single Phase - 115/230 VAC, 1/60

HP	Frame	Model	Full Load RPM	* FL Amps @230V	Motor Efficiency (%)			Output Torque		
					Typical			FL	% of Full Load	
					1/2 Load	3/4 Load	4/4 Load	Ft. Lbs.	Locked	Breakdown
0.17	48	E519	1725		34.1	42.2	47.7	8.1 oz-ft	404	321
0.25	48	E521	1725	2.1	45.3	53.7	58.9	12.2 oz-ft	371	291
0.33	56	E511	1730	3.2	47.2	55.2	58.7	1	366	262
	48	E523	1744	2.5	51.1	57.8	61.4	1	279	229
0.5	56	E512	1751	3.9	56.2	63.9	67.5	1.5	300	240
	48	E525	1740	3.6	59.7	66.2	69.0	1.5	279	229
0.75	56	E513	1744	4.9	65.4	70.4	71.7	2.28	325	255
	48	E527	1750	3.7	67.8	75.6	79.8	2.28	338	298
1.0	143T	E514	1739	6.7	66.2	71.4	73.0	3	279	250
1.5	145TY	E515	1725	6.5	72.4	79.1	81.7	4.5	288	290
2.0	145TY	E516	1725	8.1	77.9	85.2	89.7	6	247	320

**MOTOR TYPE MR**  
4 Pole TEFC - Single Phase - 230 VAC, 1/60

HP	Frame	Model	Full Load RPM	FL Amps @230V	Motor Efficiency (%)			Output Torque		
					Typical			FL	% of Full Load	
					1/2 Load	3/4 Load	4/4 Load	Ft. Lbs.	Locked	Breakdown
3	184T	H03794	1760	17	66.5	79.8	78.1	9	450	330
5	184T	H03792	1740	24	67.8	81.3	79.4	15	400	275

\* For dual voltage motors, 115V amps is twice 230V value shown.