

Titan® Horizontal Motors

Typical Performance Data

Horizontal Open Dripproof

Standard Efficient Design

3 Phase / 60 Hertz / 460 Volts, B-Rise @ 1.0 SF

ODP

STD EFF

60 Hertz

460 Volts

HP	Poles	RPM	Frame	Efficiency			Power Factor			FLA	LRA	Code	FLT	LRT	BDT	Max KVAR	Perf Data ID
				100%	75%	50%	100%	75%	50%								
200	08	900	5008	93.0	94.1	94.0	73.7	68.6	57.7	273	1450	G	1191	99	188	87	26935
	10	720	5008	94.1	94.8	94.4	74.0	68.6	57.7	269	1450	G	1479	95	211	86	27124
250	08	900	5008	93.6	94.6	94.5	74.0	68.7	57.5	338	1825	G	1488	119	198	109	26936
	10	720	5008	93.6	94.6	94.3	74.1	68.7	57.7	338	1970	G	1852	94	206	108	27125
300	08	900	5008	94.1	95.2	95.4	79.4	75.0	65.0	376	2365	G	1782	94	235	104	26941
	10	720	5010	93.6	94.5	94.4	74.6	69.6	58.9	402	2365	G	2225	92	198	125	27028
350	06	1200	5010	95.8	96.3	96.4	85.7	83.3	76.6	399	2550	G	1551	94	246	81	26942
	08	900	5010	94.1	95.1	95.2	78.9	74.1	63.7	442	2750	G	2081	96	238	127	26946
	10	720	5012														
400	02	3600	5008	93.6	93.8	92.7	86.8	84.8	78.7	461	2706	F	589	84	175	92	22222
	04	1800	5008	95.8	96.3	96.2	90.1	90.1	87.8	434	2900	G	1181	82	243	51	31171
	06	1200	5010	95.4	96.3	96.5	85.9	83.8	77.4	457	2900	G	1775	91	238	89	26944
	08	900	5010	93.6	95.0	95.4	80.1	76.2	66.9	499	3111	G	2384	90	222	130	65717
	10	720	5810	94.5	94.7	93.9	73.6	67.3	55.6	539	2940	G	2955	80	175	192	51354
450	02	3600	5010														
	04	1800	5008	95.8	96.4	96.3	88.1	87.5	83.8	499	3250	G	1325	105	236	74	26807
	06	1200	5010	95.8	96.4	96.6	86.0	83.6	77.0	512	3550	G	1996	95	247	102	27169
	08	900	5010**	94.1	95.2	95.6	80.0	76.2	66.9	559	3500	G	2683	89	222	146	26951
	10	720	5810	93.6	93.9	93.3	72.8	66.2	54.2	619	3365	G	3324	100	235	227	31071
500	02	3600	5010	94.1	94.6	93.8	87.4	86.0	80.8	569	3940	G	738	109	227	102	31919
	04	1800	5010	95.0	95.7	95.6	89.7	89.1	85.6	549	3013	G	1478	91	252	76	48035
	06	1200	5010	95.0	95.7	95.5	84.5	81.4	73.6	583	3945	G	2223	106	256	131	26948
	08	900	5810	94.5	95.2	95.0	80.1	75.9	66.4	618	3840	G	2960	98	263	171	31120
	10	720	5811	94.5	94.7	94.1	74.5	68.5	57.0	665	3650	G	3695	100	235	230	31070
600	02	3600	5010	95.0	95.4	94.8	88.5	87.8	83.6	668	3744	G	885	106	235	105	65088
	04	1800	5010	95.0	95.6	95.4	89.0	88.0	83.7	664	4730	G	1775	90	253	103	26810
	06	1200	5012	95.0	95.8	95.7	84.8	82.0	74.5	697	4735	G	2671	105	253	151	26952
	08	900	5810	94.5	95.2	94.9	78.7	73.6	62.9	755	4480	G	3550	109	286	231	31119
	10	720	5812	94.5	94.9	94.3	74.6	68.7	57.3	797	4195	G	4439	95	230	272	32103
700	02	3600	5012	94.5	95.4	95.0	89.1	88.6	85.0	779	5090	G	1034	80	175	113	47067
	04	1800	5010	95.0	95.8	95.6	89.0	87.9	83.5	775	5520	G	2072	90	256	121	26812
	06	1200	5012	95.0	95.9	95.9	85.6	83.2	76.4	806	5525	G	3119	104	251	163	26958
	08	900	5811	94.5	95.3	95.1	79.6	75.0	64.6	871	5055	G	4146	107	279	255	32099
	10	720	5812	93.0	94.0	93.7	74.3	68.3	56.9	948	4815	G	5183	95	220	324	31068
800	02	3600	5012														
	04	1800	5012	95.8	96.2	95.9	89.4	88.0	83.2	874	6300	G	2366	102	289	142	26814
	06	1200	5810	95.0	95.6	95.3	84.8	81.6	73.4	930	6220	G	3548	111	276	220	33406
	08	900	5811	94.5	95.3	95.1	79.4	74.4	64.0	998	5840	G	4739	109	284	297	31115
	10	720	5813	94.1	94.7	94.2	74.8	68.9	57.5	1064	5975	G	5923	80	200	362	50885

** Class F Rise

Sleeve Bearing Design

+ TEAAC Design

Titan® Horizontal Motors

Typical Performance Data

Horizontal Open Dripproof

Standard Efficient Design

3 Phase / 60 Hertz / 2300 Volts, B-Rise @ 1.0 SF

ODP

STD EFF

60 Hertz

2300 Volts

HP	Poles	RPM	Frame	Efficiency			Power Factor			FLA	LRA	Code	FLT	LRT	BDT	Max KVAR	Perf Data ID
				100%	75%	50%	100%	75%	50%								
200	02	3600	5008	92.4	92.3	90.3	85.2	83.9	78.6	48	290	G	294	100	200	46	43035
	04	1800	5006														
	06	1200	5006	94.1	94.3	93.6	78.5	74.7	65.4	51	245	G	888	132	220	69	47503
	08	900	5008	92.4	93.1	92.4	72.6	67.2	56.3	56	290	G	1196	120	200	91	52156
	10	720	5010	92.4	93.2	92.4	71.9	66.1	55.2	56	290	G	1484	100	200	94	52160
250	02	3600	5008														
	04	1800	5006	93.6	94.4	93.8	86.0	85.1	80.4	58	350	F	736	100	212	49	66830
	06	1200	5006	94.1	94.5	94.0	79.7	76.5	68.1	62	351	G	1112	127	208	78	58795
	08	900	5008	93.6	94.4	94.0	76.6	71.4	60.7	65	365	G	1487	100	175	99	52155
	10	720	5010	93.0	93.3	92.4	71.0	65.0	53.7	71	395	G	1855	80	175	123	52159
300	02	3600	5008														
	04	1800	5006	94.5	94.9	94.2	85.6	84.0	78.1	69	440	G	883	80	175	67	52626
	06	1200	5008	93.6	94.8	94.6	81.2	79.0	71.8	74	440	G	1338	100	175	81	52148
	08	900	5008	93.6	94.2	93.9	76.9	71.5	60.7	78	470	G	1786	80	175	120	52154
	10	720	5010	92.4	93.1	92.3	71.5	65.5	54.2	85	470	G	2228	80	175	147	52158
350	02	3600	5008														
	04	1800	5008	95.0	95.4	94.9	87.1	86.1	81.6	79	510	G	1031	80	175	65	52134
	06	1200	5008	94.5	95.3	95.1	84.3	81.4	73.8	82	510	G	1560	100	175	91	52147
	08	900	5010	93.0	94.2	94.1	77.6	72.7	62.4	91	550	G	2088	80	175	132	52153
	10	720	5012	92.4	93.3	92.8	74.3	68.5	57.1	95	550	G	2602	80	175	162	52157
400	02	3600	5008														
	04	1800	5008	95.0	95.4	95.1	87.6	86.7	82.3	90	580	G	1179	80	175	72	52141
	06	1200	5008	94.5	95.4	95.1	83.6	80.0	71.6	95	630	G	1778	80	175	114	52146
	08	900	5010	93.0	94.2	94.0	77.6	72.7	62.1	104	630	G	2389	80	175	153	52152
	10	720	5810	94.1	94.4	93.8	74.3	68.3	56.8	107	575	G	2956	80	175	186	51373
450	02	3600	5010	94.5	94.8	94.1	87.7	87.3	83.6	102	650	G	664	70	175	77	52124
	04	1800	5008	95.0	95.6	95.3	87.9	86.9	82.5	101	650	G	1327	80	175	80	52140
	06	1200	5008														
	08	900	5012	93.6	94.4	94.3	79.3	74.1	63.3	114	710	G	2681	80	175	173	52151
	10	720	5810	94.1	94.3	93.6	73.4	66.9	54.9	122	685	G	3324	80	180	222	51370
500	02	3600	5010	94.5	95.0	94.3	88.3	87.8	84.1	112	725	G	737	70	175	84	52123
	04	1800	5010	95.0	95.6	95.4	88.9	87.9	83.6	111	725	G	1478	80	175	86	52139
	06	1200	5010	94.5	95.6	95.5	85.2	82.8	76.0	116	790	G	2227	80	175	118	52144
	08	900	5810	94.5	95.1	94.8	79.7	75.2	65.1	124	715	G	2959	102	272	179	31113
	10	720	5811	94.1	94.5	93.8	74.1	67.9	56.1	134	765	G	3694	80	180	238	51369
600	02	3600	5010	94.5	95.2	94.7	88.9	88.4	84.8	134	930	G	886	70	175	97	52122
	04	1800	5010	95.0	95.6	95.4	89.0	87.5	82.5	133	945	G	1773	80	175	111	52133
	06	1200	5012	95.0	95.6	95.4	84.3	81.0	72.7	140	985	H	2668	80	175	164	52143
	08	900	5810	94.5	95.1	94.8	79.2	74.3	63.8	150	885	G	3551	108	282	225	31112
	10	720	5812	94.1	94.4	93.6	72.3	65.4	53.3	165	910	G	4434	90	180	311	51367
700	02	3600	5012	95.4	95.7	95.0	89.2	87.6	82.4	154	995	G	1030	97	271	136	27493
	04	1800	5010	95.4	95.9	95.7	89.3	88.0	83.3	154	1105	G	2070	80	175	124	52132
	06	1200	5012	95.0	95.6	95.5	84.1	80.6	72.1	164	1165	H	3115	80	175	196	52142
	08	900	5811	94.5	95.3	95.1	80.6	76.2	66.5	172	1080	G	4145	90	180	241	51349
	10	720	5812	94.1	94.4	93.8	73.5	67.0	55.1	190	1025	G	5177	80	175	343	51364

** Class F Rise

Sleeve Bearing Design

+ TEAC Design

Titan® Horizontal Motors
Horizontal Open Dripproof
Standard Efficient Design

Typical Performance Data

ODP

STD EFF

60 Hertz

2300 Volts

3 Phase / 60 Hertz / 2300 Volts, B-Rise @ 1.0 SF

HP	Poles	RPM	Frame	Efficiency			Power Factor			FLA	LRA	Code	FLT	LRT	BDT	Max KVAR	Perf Data ID
				100%	75%	50%	100%	75%	50%								
800	02	3600	5012	94.5	95.5	95.2	89.5	88.9	85.4	177	1260	G	1182	70	175	127	52120
	04	1800	5012	95.4	96.0	95.8	89.3	87.9	83.0	176	1260	G	2366	80	175	143	52131
	06	1200	5810	95.0	95.4	95.1	84.6	81.1	72.6	186	1255	G	3546	100	230	228	51329
	08	900	5812	94.5	95.1	95.1	81.1	76.9	67.4	195	1245	G	4741	90	180	267	51336
	10	720	5813	94.1	94.5	94.1	74.9	69.0	57.6	212	1195	G	5923	80	200	362	50883
900	02	3600	5012	95.8	96.1	95.6	89.6	88.2	83.4	196	1495	H	1323	80	200	167	52119
	04	1800	5012	95.0	96.0	96.0	90.3	89.7	86.5	197	1415	G	2668	80	175	130	52130
	06	1200	5811	95.0	95.6	95.3	84.5	80.9	72.2	210	1335	G	3989	110	250	260	42696
	08	900	5812	94.5	95.4	95.4	81.7	77.8	68.7	218	1400	G	5337	90	180	286	51348
1000	02	3600	5012	95.4	96.1	95.8	89.6	88.8	85.0	219	1570	G	1472	70	175	166	52118
	04	1800	5012	94.1	95.2	95.6	90.9	89.8	85.7	219	1570	G	2976	80	175	163	52138
	06	1200	5811	95.0	95.6	95.6	86.1	83.8	76.7	229	1550	G	4442	90	210	242	64877
	08	900	5813	94.5	95.4	95.4	81.6	77.6	68.3	243	1510	G	5929	80	200	323	50880
1250	02	3600	5812#														
	04	1800	5812	95.4	96.0	95.7	91.1	90.2	86.5	269	1975	G	3685	110	175	197	51319
	06	1200	5813	95.4	95.8	95.6	86.2	83.1	75.4	285	1945	G	5542	124	301	324	33402
1500	02	3600	5813#	95.8	96.3	96.0	92.3	92.1	89.8	318	2370	G	2205	72	180	189	49429
	04	1800	5812	95.8	96.2	95.9	90.9	89.6	85.2	323	2370	G	4421	110	175	256	51310
1750	02	3600	5813#	95.8	96.4	96.2	92.7	92.3	89.7	369	2780	G	2572	78	190	225	51302
	04	1800	5813	95.4	96.1	95.9	90.7	89.1	84.2	379	2760	G	5159	110	175	315	51318
2000	02	3600	8009#														
	04	1800	5813	95.8	96.2	96.1	90.9	89.3	84.3	430	3155	G	5896	120	180	361	51317

** Class F Rise

Sleeve Bearing Design

+ TEAAC Design

Titan® Horizontal Motors

Typical Performance Data

Horizontal Open Dripproof

Standard Efficient Design

3 Phase / 60 Hertz / 4160 Volts, B-Rise @ 1.0 SF

ODP

STD EFF

60 Hertz

4160 Volts

HP	Poles	RPM	Frame	Efficiency			Power Factor			FLA	LRA	Code	FLT	LRT	BDT	Max KVAR	Perf Data ID
				100%	75%	50%	100%	75%	50%								
200	02	3600	5008	92.4	92.0	89.9	83.5	80.9	73.7	27	160	G	294	125	230	57	27105
	04	1800	5006	93.6	93.9	92.7	83.8	81.3	74.2	26	160	G	588	100	231	53	65723
	06	1200	5006	93.6	94.4	93.8	80.3	77.4	69.6	28	160	G	889	123	205	59	27109
	08	900	5008	92.4	92.9	92.3	72.7	67.3	56.5	31	160	G	1192	124	198	90	26916
	10	720	5010	92.4	92.7	91.9	71.3	65.3	53.9	31	160	G	1483	104	210	99	27005
250	02	3600	5008	93.0	92.9	91.2	84.8	82.7	76.1	33	200	G	368	125	227	64	27106
	04	1800	5006	94.1	94.4	93.7	85.8	84.2	78.4	32	200	G	736	101	233	55	50906
	06	1200	5006	93.6	94.4	94.1	80.9	78.4	70.8	34	200	G	1113	125	202	71	27110
	08	900	5008	93.0	94.0	93.7	77.5	72.7	62.4	36	200	G	1488	95	233	94	26914
	10	720	5010	92.4	92.8	91.9	71.1	65.0	53.5	39	220	G	1855	107	214	125	27009
300	02	3600	5008	93.6	93.3	91.8	85.6	83.7	77.6	39	245	G	441	126	226	72	27107
	04	1800	5006	94.5	94.7	93.9	85.0	82.6	75.8	39	245	G	883	107	243	74	26733
	06	1200	5008	93.6	94.4	94.1	80.6	77.4	68.9	41	245	G	1336	139	220	92	26828
	08	900	5010	93.0	93.9	93.7	77.7	72.7	62.2	43	260	G	1787	99	237	115	26912
	10	720	5010														
350	02	3600	5010	94.1	94.0	92.8	86.3	84.8	79.2	45	280	G	515	128	225	77	26687
	04	1800	5008	94.5	95.1	94.6	87.0	85.7	80.6	44	280	G	1031	108	238	69	26739
	06	1200	5008	94.1	94.9	94.7	83.3	79.5	70.5	46	280	G	1557	107	255	104	26831
	08	900	5010	93.0	94.0	93.9	78.3	73.6	63.5	50	300	G	2088	97	231	128	26909
	10	720	5012	92.4	93.1	92.6	74.1	68.2	56.7	53	305	G	2602	118	223	166	27013
400	02	3600	5010	94.1	94.3	93.2	86.8	85.1	79.6	51	320	G	589	133	231	87	26689
	04	1800	5008	95.0	95.4	95.0	87.3	86.3	81.6	50	320	G	1179	109	238	75	26740
	06	1200	5008	94.5	95.2	95.0	83.8	80.5	72.1	52	291	F	1778	103	246	112	56190
	08	900	5010**	93.0	94.1	94.1	78.7	74.2	64.2	57	340	G	2389	98	231	143	26906
	10	720	5810	94.1	94.4	93.7	74.9	69.0	57.6	59	325	G	2955	80	175	182	51353
450	02	3600	5010	95.0	95.0	94.0	87.6	86.1	80.8	56	360	G	661	98	241	94	26690
	04	1800	5010	95.0	95.6	95.2	87.7	86.5	81.9	56	360	G	1327	115	247	83	63308
	06	1200	5010	94.5	95.3	95.1	84.0	80.7	72.4	59	390	G	2001	104	248	124	26846
	08	900	5012**	93.6	94.1	93.7	77.0	70.6	58.6	65	390	G	2674	126	288	202	26904
	10	720	5811	94.1	94.5	93.9	75.4	69.7	58.4	66	360	G	3325	80	175	199	51352
500	02	3600	5010	94.1	94.5	93.7	87.1	85.5	79.9	63	400	G	737	133	232	108	26697
	04	1800	5010	95.0	95.5	95.3	88.9	88.0	83.9	61	400	G	1478	85	246	84	26744
	06	1200	5010	94.5	95.4	95.3	85.0	82.4	75.1	64	351	G	2226	99	240	123	51768
	08	900	5810	94.5	95.0	94.8	80.7	76.5	67.1	68	395	G	2959	102	270	169	31105
	10	720	5812	94.1	94.5	93.9	75.1	69.3	57.9	73	405	G	3694	80	180	226	51351
600	02	3600	5010	94.5	95.0	94.4	88.7	87.8	83.4	74	520	G	885	90	200	108	46877
	04	1800	5010	94.5	95.6	95.5	89.2	88.6	85.0	74	444	F	1776	100	200	94	30323
	06	1200	5012	94.5	95.4	95.3	85.1	82.1	74.3	77	525	G	2669	110	262	155	26852
	08	900	5811	94.5	95.1	94.9	80.3	75.8	65.8	82	515	G	3550	90	180	211	51333
	10	720	5812														
700	02	3600	5012	95.4	95.6	94.9	88.4	86.6	81.0	86	610	G	1029	107	264	147	26700
	04	1800	5010	95.0	95.6	95.4	89.1	87.5	82.4	86	610	G	2069	100	281	131	26751
	06	1200	5012**	94.5	95.5	95.4	85.0	81.7	73.7	90	610	G	3114	114	270	185	26855
	08	900	5811	94.1	95.1	95.0	81.2	77.1	67.7	95	600	G	4147	90	180	232	51332
	10	720	5813	94.1	94.6	94.1	75.2	69.3	57.9	102	585	G	5177	80	200	314	50881

** Class F Rise

Sleeve Bearing Design

+ TEAAC Design

Titan® Horizontal Motors
Horizontal Open Dripproof
Standard Efficient Design

Typical Performance Data

ODP

STD EFF

60 Hertz

4160 Volts

3 Phase / 60 Hertz / 4160 Volts, B-Rise @ 1.0 SF

HP	Poles	RPM	Frame	Efficiency			Power Factor			FLA	LRA	Code	FLT	LRT	BDT	Max KVAR	Perf Data ID
				100%	75%	50%	100%	75%	50%								
800	02	3600	5012	95.4	95.8	95.3	89.3	88.0	83.3	97	700	G	1176	106	260	148	26701
	04	1800	5012	95.4	95.9	95.7	89.5	88.0	83.0	97	695	G	2366	101	287	145	26752
	06	1200	5811	94.5	95.1	95.0	86.1	83.2	75.6	102	685	G	3546	118	285	207	33401
	08	900	5812	94.5	95.2	95.2	81.2	77.2	67.8	108	620	G	4742	104	270	262	31102
	10	720	6810	94.1	94.4	93.4	75.9	70.4	59.4	116	695	G	5898	80	175	342	45821
900	02	3600	5012														
	04	1800	5012	95.4	96.0	95.9	89.9	88.8	84.4	109	785	G	2664	101	282	150	26753
	06	1200	5812	95.0	95.5	95.4	86.7	84.4	77.6	113	775	G	3992	111	273	212	33400
	08	900	5812	94.5	95.3	95.1	80.1	75.1	64.8	123	760	G	5328	116	298	327	31101
1000	02	3600	5012	95.4	95.9	95.5	89.2	87.9	83.3	122	870	G	1472	102	253	186	26704
	04	1800	5012	94.5	95.4	95.7	90.9	89.8	85.6	121	870	G	2975	110	285	166	26754
	06	1200	5813	95.0	95.6	95.5	86.7	84.1	77.0	126	860	G	4434	100	175	243	51324
1250	02	3600	5812#	95.8	96.1	95.7	92.2	91.9	89.4	146	1090	G	1836	75	180	164	49425
	04	1800	5812	95.4	95.9	95.6	90.6	89.1	84.2	150	1090	G	3681	123	300	227	31086
	06	1200	5813														
1500	02	3600	5813#	95.8	96.3	96.0	92.2	91.6	88.7	176	1335	H	2203	77	190	210	49419
	04	1800	5812														
1750	02	3600	5813#	96.2	96.5	96.2	92.7	91.9	88.8	203	1720	H	2569	84	200	243	32916
	04	1800	5813	95.4	96.0	96.0	91.5	90.8	87.4	208	1530	G	5166	110	175	259	51307
2000	02	3600	8009#														
	04	1800	5813	95.8	96.2	96.2	91.6	90.7	87.0	236	1620	G	5902	121	285	305	31080

** Class F Rise

Sleeve Bearing Design

+ TEAAC Design