

# INVERTER CIRCUIT PERFORMANCE

## 60 HERTZ DATA

### DRIPPROOF (DI - RI) INVERTER DUTY 10:1 VT / 5:1 CT

Model	Frame	Hp	Syn Speed	Rated Slip %	NLA	Torque FL	Torque BD %	WR2 (LB-FT2)	R1	R2/S	XM	X1	X2	FLPF	FL Eff	AC TC (SEC)	DC TC (SEC)	OC TC (SEC)
G38020	143	1	1800	2.41	1.01	2.99	541	0.11	6.619	219	256	12.79	12.2	71.7	85.9	0.0048	0.0038	0.1350
G38040	145	1	1200	3.61	1.52	4.54	388	0.12	9.286	195	172	15.52	16.4	61.3	81.0	0.0048	0.0036	0.0710
G38001	143	1.5	3600	2.63	0.94	2.25	366	0.04	7.785	136	301	12.75	8.37	86.0	82.8	0.0053	0.0024	0.2280
G38021	145	1.5	1800	3.14	1.29	4.52	443	0.11	6.096	143	205	10.01	9.67	77.0	85.6	0.0044	0.0033	0.1270
G38041	182	1.5	1200	2.07	2.03	6.70	400	0.26	5.152	138	132	10.23	15.9	62.6	85.9	0.0087	0.0048	0.1380
G38002	145	2	3600	3.27	0.91	3.02	334	0.04	5.976	103	306	11.23	7.75	89.1	84.0	0.0050	0.0028	0.2460
G38022	145	2	1800	3.32	1.69	6.04	448	0.12	4.461	108	159	7.821	7.59	77.4	86.1	0.0043	0.0034	0.1240
G38042	184	2	1200	2.26	2.15	8.96	361	0.35	4.241	104	124	8.364	13.7	68.4	87.1	0.0088	0.0049	0.1550
G38003	145	3	3600	3.54	1.12	4.54	342	0.06	4.076	70.1	244	7.424	5.76	90.8	85.0	0.0046	0.0028	0.2670
G38023	182	3	1800	1.72	2.1	8.91	385	0.26	2.405	74.6	130	5.749	8.84	78.9	90.2	0.0109	0.0058	0.2860
G38043	213	3	1200	2.07	2.57	13.4	308	0.76	2.142	69.3	103	6.787	11.8	71.2	89.2	0.0123	0.0082	0.2120
G38004	182	5	3600	2.75	1.95	7.50	285	0.13	2.217	42.7	137	4.603	5.64	87.9	87.6	0.0076	0.0040	0.3240
G38024	184	5	1800	2.35	2.68	14.9	320	0.35	1.819	43.7	104	4.163	6.26	83.3	89.8	0.0096	0.0054	0.2840
G38044	215	5	1200	2.63	3.89	22.5	279	0.89	1.461	40.6	69.2	4.624	7.68	73.3	88.8	0.0105	0.0077	0.1910
G38005	184	7.5	3600	3.03	2.83	11.3	288	0.16	1.545	28.5	97.8	3.122	3.88	88.4	87.8	0.0068	0.0038	0.3130
G38025	213	7.5	1800	1.95	3.53	22.3	292	0.76	0.7998	29.8	76.9	2.880	4.96	83.2	91.6	0.0126	0.0091	0.3750
G38045	256	7.5	1200	1.31	4.21	33.3	299	2.93	0.8494	29.8	63.2	2.806	4.27	80.9	91.8	0.0206	0.0095	0.4590
G38006	213	10	3600	2.70	3.86	15.0	241	0.30	0.5897	21.3	71.7	3.300	3.07	85.4	90.5	0.0103	0.0100	0.3450
G38026	215	10	1800	2.19	4.43	29.8	280	0.89	0.6693	22.1	62.3	2.229	3.88	84.1	91.3	0.0116	0.0084	0.3630
G38046	256	10	1200	1.40	5.46	44.4	294	2.93	0.6468	22.4	48.9	2.147	3.27	81.3	92.0	0.0193	0.0093	0.4420
G38007	215	15	3600	3.03	5.07	22.6	243	0.40	0.4124	14.3	55.1	2.180	2.19	86.7	90.7	0.0091	0.0096	0.3500
G38027	254	15	1800	1.33	7.02	44.4	240	1.92	1.140	43.8	121	5.139	8.54	81.9	92.9	0.0236	0.0121	0.5880
G38047	284	15	1200	1.49	6.71	66.6	250	5.84	1.266	44.0	118	5.146	7.43	82.9	92.2	0.0214	0.0110	0.5110
G38008	256	20	3600	1.70	5.26	29.7	233	1.07	1.017	33.2	154	4.494	5.39	88.8	91.3	0.0163	0.0090	0.7470
G38028	256	20	1800	1.49	7.24	59.2	225	1.82	0.8324	32.9	115	4.037	7.13	84.0	93.3	0.0222	0.0131	0.6610
G38048	286	20	1200	1.66	8.17	89.0	239	7.11	1.041	32.7	97.5	3.980	5.88	83.8	91.9	0.0198	0.0103	0.5040
G38009	256	25	3600	1.79	5.92	37.1	245	1.07	0.8610	26.8	135	3.258	4.62	89.7	91.1	0.0148	0.0082	0.7730
G38029	284	25	1800	1.22	9.26	73.8	272	2.62	0.1807	9.24	29.6	0.936	1.58	85.7	93.9	0.0250	0.0156	0.7350
G38049	324	25	1200	1.43	8.21	111	224	11.2	0.7967	26.6	95.2	3.702	4.34	86.0	93.0	0.0240	0.0115	0.6940
G38010	284	30	3600	1.07	5.86	44.2	204	2.53	0.4901	22.2	136	3.316	4.35	88.9	92.7	0.0304	0.0147	1.5770
G38030	286	30	1800	1.32	9.49	88.7	258	2.93	0.4505	23.1	85.8	2.426	4.24	86.8	94.1	0.0242	0.0164	0.7810
G38050	326	30	1200	1.47	9.61	133	227	14.6	0.2150	7.41	27.2	1.018	1.22	86.3	93.2	0.0229	0.0116	0.6920
G38011	286	40	3600	1.12	7.79	59.0	214	2.83	0.3705	16.8	103	2.396	3.27	89.2	93.1	0.0278	0.0141	1.5050
G38031	324	40	1800	1.06	13.62	118	268	5.75	0.3794	17.5	59.1	1.888	2.61	87.1	94.4	0.0271	0.0133	0.8830
G38012	324	50	3600	1.00	16.88	73.7	223	2.77	0.2454	13.2	51.0	2.269	1.98	85.8	93.3	0.0303	0.0162	1.0690
G38032	326	50	1800	1.30	15.39	148	250	8.62	0.3374	13.8	52.6	1.559	2.32	87.5	94.1	0.0237	0.0126	0.8110
G38013	326	60	3600	1.07	14.47	88.5	231	3.85	0.0757	3.77	19.3	0.578	0.591	88.9	93.6	0.0272	0.0144	1.3120
G38051	364	40	1200	0.80	11.8	176	241	24.2	0.3848	16.9	67.9	2.085	3.35	86.3	94.5	0.0473	0.0166	1.4010
G38052	365	50	1200	0.88	14.19	221	230	25.7	0.3120	13.5	57.0	1.754	2.76	86.3	94.6	0.0447	0.0169	1.3410
G38033	364	60	1800	0.82	20.36	177	250	15.1	0.2101	11.5	40.0	1.429	1.96	85.7	95.0	0.0410	0.0184	1.1790
G38053	404	60	1200	0.85	17.65	265	243	29.9	0.2372	11.4	46.3	1.378	2.27	86.4	94.9	0.0432	0.0177	1.3260
G38014	364	75	3600	0.89	22.35	110	232	4.59	0.1524	9.06	37.2	1.415	1.25	87.5	94.2	0.0324	0.0171	1.2700
G38034	365	75	1800	0.87	22.76	221	246	17.5	0.1579	9.15	36.4	1.161	1.73	86.3	95.1	0.0402	0.0204	1.2640
G38054	405	75	1200	0.93	21.01	331	236	34.2	0.0654	3.02	13.1	0.375	0.627	86.6	94.8	0.0406	0.0175	1.2890
G38015	365	100	3600	0.98	25.86	147	234	5.58	0.1182	6.87	32.0	1.037	1.00	88.6	94.3	0.0294	0.0167	1.3030
G38035	404	100	1800	0.92	27.08	294	253	20.4	0.1111	6.99	29.7	0.829	1.31	87.4	95.6	0.0365	0.0211	1.2830
G38055	444	100	1200	1.20	43.23	443	240	34.6	0.1016	6.81	18.1	0.790	1.25	81.6	95.3	0.0295	0.0237	0.6300
G38016	404	125	3600	0.95	27.49	184	244	7.18	0.0803	5.69	29.7	0.805	0.698	90.7	95.0	0.0275	0.0184	1.5020
G38036	405	125	1800	0.98	30.97	368	253	23.4	0.0904	5.60	26.4	0.663	1.13	87.8	95.5	0.0348	0.0211	1.3330
G38056	445	125	1200	1.17	56.24	554	256	51.9	0.0742	5.52	14.0	0.594	0.978	81.5	95.5	0.0283	0.0245	0.6180
G38017	405	150	3600	1.05	32.04	221	240	7.97	0.0760	4.70	25.7	0.672	0.604	90.8	94.5	0.0251	0.0162	1.4180
G38037	444	150	1800	0.86	40.85	441	280	34.6	0.0618	4.73	19.5	0.647	0.605	88.7	95.8	0.0374	0.0245	1.3150
G38057	445	150	1200	1.02	80.79	663	250	51.9	0.0639	4.41	9.88	0.569	0.826	77.7	95.6	0.0368	0.0260	0.6300
G38018	444	200	3600	1.09	64.98	295	242	14.1	0.0422	3.41	12.5	0.578	0.392	86.6	95.1	0.0266	0.0233	0.9200
G38038	445	200	1800	0.90	74.88	589	267	51.9	0.0409	3.48	10.7	0.456	0.518	84.6	96.0	0.0388	0.0298	0.9490
G38058	447	200	1200	1.16	99.26	886	237	69.1	0.0505	3.28	8.09	0.448	0.659	78.5	95.5	0.0344	0.0258	0.6130
G38019	445	250	3600	1.04	78.22	369	255	15.8	0.0370	2.76	10.6	0.441	0.325	87.5	95.2	0.0268	0.0208	1.0070
G38039	447	250	1800	0.96	82.57	737	259	56.2	0.0108	0.93	3.27	0.124	0.153	85.5	96.2	0.0387	0.0320	1.0200



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