Manufacturer: Xantrex Technology, Inc

Model #: GT3.8-NA-240/208 UL-05 (208Vac)

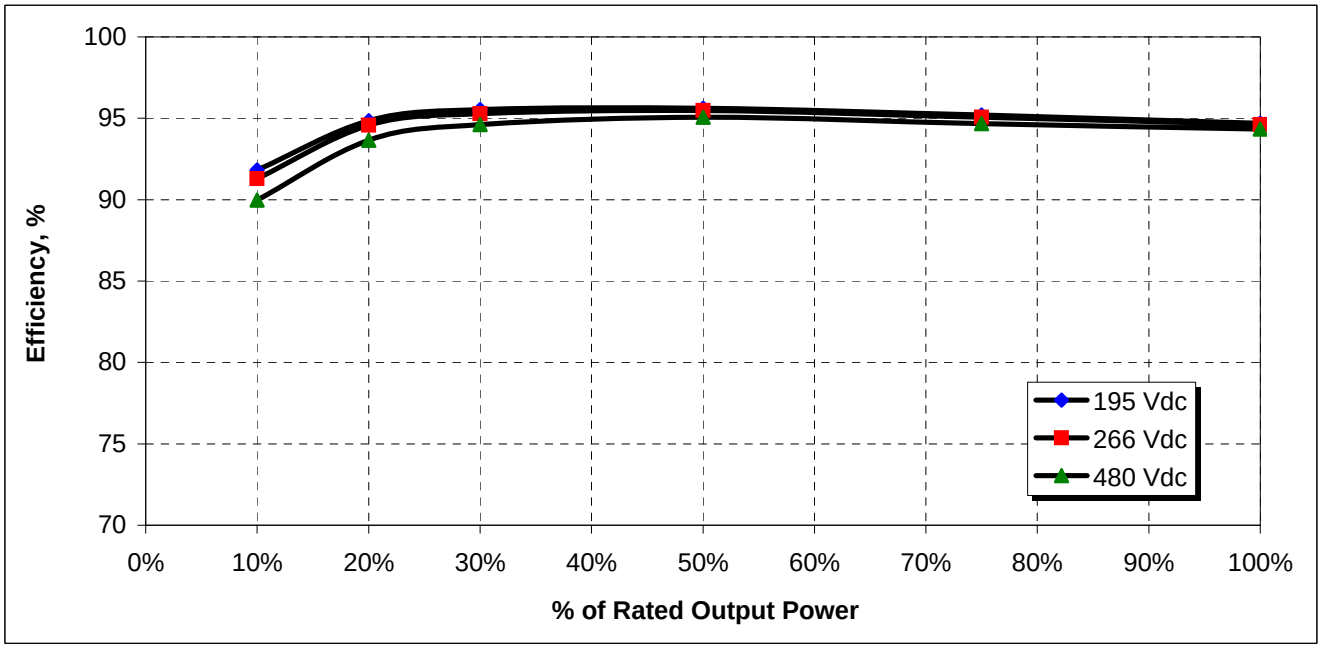
Rated Maximum Continuous Output Power @25°C: 3.5 kW Night Tare Loss: 1.0 W

Rated Maximum Continuous Output Power @40°C: 3.5 kW Night Tare Loss: 1.0 W

Vmin: 195 Vdc Vnom: 266 Vdc Vmax: 480 Vdc

		Power Level (%; kW)						
		10%	20%	30%	50%	75%	100%	
Input Voltage (Vdc)		0.35	0.70	1.05	1.75	2.63	3.50	Wtd
Vmin	195	91.8	94.9	95.5	95.6	95.2	94.7	95.15
Vnom	266	91.3	94.6	95.3	95.5	95.1	94.6	94.98
Vmax	480	90.0	93.6	94.6	95.1	94.7	94.3	94.49

CEC Efficiency = 95.0%



Inverter Efficiency Data

Minimum of 5 samples required

Specified		Sample #1			Sample #2			Sample #3			Sample #4			Sample #5		
Output Power	Input Voltage	Output Power	Input Voltage	Efficiency	Output Power	Input Voltage	Efficiency	Output Power	Input Voltage	Efficiency	Output Power	Input Voltage	Efficiency	Output Power	Input Voltage	Efficiency
(% of rated)	(Vdc)	(kW)	(Vdc)	(%)	(kW)	(Vdc)	(%)	(kW)	(Vdc)	(%)	(kW)	(Vdc)	(%)	(W)	(Vdc)	(%)
10%	Vmin	338.62	195.90	91.83	338.37	195.89	91.82	338.75	195.89	91.82	338.75	195.89	91.83	338.74	195.89	91.83
20%	Vmin	760.57	195.73	94.85	760.52	195.73	94.87	760.45	195.73	94.85	760.46	195.73	94.85	760.44	195.73	94.87
30%	Vmin	1124.40	195.58	95.53	1124.40	195.58	95.53	1124.47	195.58	95.54	1124.47	195.58	95.54	1124.57	195.58	95.53
50%	Vmin	1917.73	195.25	95.62	1916.27	195.25	95.63	1919.17	195.26	95.61	1916.03	195.26	95.62	1917.53	195.26	95.62
75%	Vmin	2783.77	194.91	95.20	2779.00	194.91	95.20	2781.10	194.90	95.20	2780.90	194.90	95.20	2781.70	194.90	95.20
100%	Vmin	3459.73	194.61	94.69	3458.63	194.68	94.68	3448.43	195.12	94.68	3448.13	195.12	94.68	3447.93	195.12	94.68
10%	Vnom	339.27	266.00	91.29	339.86	266.00	91.29	339.67	266.00	91.31	339.69	266.00	91.29	340.06	265.99	91.30
20%	Vnom	757.23	265.98	94.57	760.93	265.98	94.58	760.98	265.98	94.58	760.96	265.97	94.59	759.35	265.98	94.58
30%	Vnom	1133.33	265.94	95.27	1126.13	266.07	95.28	1124.23	266.06	95.28	1124.27	266.06	95.28	1124.33	266.06	95.28
50%	Vnom	1915.93	265.55	95.47	1915.73	265.66	95.47	1915.80	266.04	95.47	1916.03	266.04	95.47	1916.13	266.04	95.47
75%	Vnom	2790.60	266.07	95.07	2790.07	266.07	95.07	2789.70	266.07	95.08	2790.47	266.07	95.07	2788.90	266.07	95.08
100%	Vnom	3461.27	265.46	94.62	3458.20	266.07	94.62	3459.57	266.06	94.62	3459.60	266.06	94.62	3457.90	266.06	94.62
10%	Vmax	342.52	480.33	89.86	344.82	480.33	89.91	345.10	480.34	89.92	349.99	480.34	90.04	349.88	480.34	90.03
20%	Vmax	767.49	480.27	93.69	754.06	480.27	93.63	757.82	480.27	93.65	757.90	480.27	93.65	752.45	480.27	93.62
30%	Vmax	1127.37	480.21	94.60	1128.17	480.21	94.60	1128.40	480.21	94.61	1129.27	480.21	94.60	1129.60	480.21	94.60
50%	Vmax	1906.63	480.07	95.06	1904.43	480.08	95.06	1905.17	480.08	95.06	1908.57	480.08	95.06	1906.17	480.08	95.06
75%	Vmax	2791.03	480.00	94.67	2790.90	480.04	94.67	2791.00	480.03	94.67	2790.73	480.04	94.67	2791.43	480.04	94.68
100%	Vmax	3444.23	480.01	94.34	3444.43	480.01	94.34	3444.90	480.01	94.34	3444.80	480.01	94.34	3444.53	480.01	94.34

Specified		Sample #6			Sample #7			Sample #8			Sample #9			Sample #10		
Output Power	Input Voltage	Output Power	Input Voltage	Efficiency	Output Power	Input Voltage	Efficiency	Output Power	Input Voltage	Efficiency	Output Power	Input Voltage	Efficiency	Output Power	Input Voltage	Efficiency
(% of rated)	(Vdc)	(W)	(Vdc)	(%)	(W)	(Vdc)	(%)	(W)	(Vdc)	(%)	(W)	(Vdc)	(%)	(W)	(Vdc)	(%)
10%	Vmin	338.78	195.90	91.82	338.85	195.90	91.83									
20%	Vmin	760.44	195.72	94.85	760.58	195.73	94.86									
30%	Vmin	1124.53	195.58	95.53	1124.63	195.58	95.54									
50%	Vmin	1915.93	195.26	95.62	1915.97	195.26	95.62									
75%	Vmin	2782.47	194.90	95.20	2780.73	194.90	95.20									
100%	Vmin	3447.70	195.12	94.68	3447.43	195.12	94.68									
10%	Vnom	339.84	266.00	91.30	339.79	266.00	91.30									
20%	Vnom	760.97	265.97	94.58	759.94	265.97	94.58									
30%	Vnom	1124.57	266.06	95.27	1124.63	266.06	95.27									
50%	Vnom	1916.23	266.04	95.48	1916.13	266.03	95.48									
75%	Vnom	2790.47	266.07	95.08	2789.17	266.07	95.08									
100%	Vnom	3459.60	266.06	94.62	3458.80	266.06	94.62									
10%	Vmax	346.26	480.35	89.95	351.18	480.35	90.06									
20%	Vmax	750.02	480.27	93.62	752.34	480.27	93.63									
30%	Vmax	1129.77	480.21	94.61	1130.13	480.21	94.61									
50%	Vmax	1906.63	480.08	95.07	1907.40	480.08	95.07									
75%	Vmax	2789.50	480.04	94.67	2791.90	480.03	94.68									
100%	Vmax	3444.93	480.01	94.34	3444.70	480.01	94.34									