Manufacturer: Danfoss

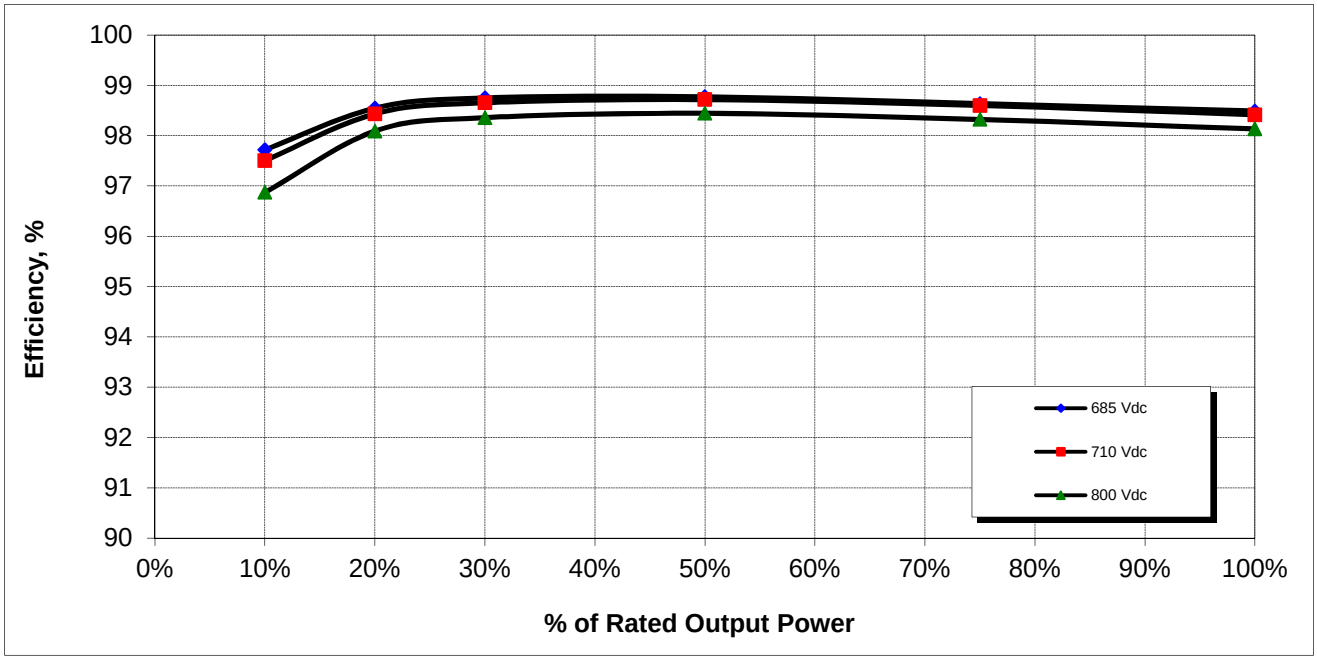
Model #: MLX 480V

Rated Maximum Continuous Output Power: 60.00 kW Night Tare Loss: 8.16 W

Vmin: 685 Vdc Vnom: 710 Vdc Vmax: 800 Vdc

		Power Level (%; kW)						
		10%	20%	30%	50%	75%	100%	
Input Voltage (Vdc)		6.00	12.00	18.00	30.00	45.00	60.00	Wtd
Vmin	685	97.7	98.5	98.7	98.8	98.6	98.5	98.6
Vnom	710	97.5	98.4	98.7	98.7	98.6	98.4	98.6
Vmax	800	96.9	98.1	98.4	98.4	98.3	98.1	98.3

CEC Efficiency = 98.5%



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)	(W)	(Vdc)	(%)	(W)	(Vdc)	(%)	(W)	(Vdc)	(%)	(W)	(Vdc)	(%)	(W)	(Vdc)	(%)
10%	Vmin	5985.65	684.10	97.73	5980.91	684.10	97.66	5982.34	684.10	97.70	5986.16	684.10	97.74	5983.76	684.10	97.72
20%	Vmin	12042.93	684.12	98.55	12036.21	684.12	98.50	12042.26	684.12	98.55	12043.77	684.12	98.55	12044.22	684.12	98.55
30%	Vmin	18419.11	684.13	98.75	18407.48	684.13	98.70	18421.66	684.13	98.75	18423.84	684.13	98.76	18417.86	684.13	98.76
50%	Vmin	30011.92	684.22	98.74	30021.66	684.22	98.74	30036.49	684.22	98.79	30035.04	684.22	98.79	30042.23	684.22	98.79
75%	Vmin	45239.76	684.38	98.64	45219.29	684.38	98.59	45244.04	684.38	98.64	45244.75	684.38	98.64	45242.88	684.38	98.64
100%	Vmin	60394.60	684.63	98.50	60361.81	684.63	98.45	60395.92	684.63	98.50	60394.62	684.63	98.50	60407.42	684.63	98.50
10%	Vnom	5927.57	709.15	97.51	5925.53	709.15	97.47	5927.26	709.15	97.52	5924.97	709.15	97.49	5924.82	709.15	97.51
20%	Vnom	11952.04	709.17	98.44	11944.94	709.17	98.39	11953.04	709.17	98.44	11952.95	709.17	98.44	11951.38	709.17	98.44
30%	Vnom	18435.67	709.16	98.66	18429.96	709.16	98.61	18438.56	709.16	98.66	18433.55	709.16	98.66	18440.35	709.16	98.66
50%	Vnom	29837.45	709.23	98.72	29817.30	709.23	98.67	29839.18	709.23	98.72	29839.82	709.23	98.72	29833.40	709.23	98.72
75%	Vnom	44978.59	709.37	98.61	44938.50	709.37	98.56	44967.94	709.37	98.61	44975.45	709.37	98.60	44972.87	709.37	98.61
100%	Vnom	60021.82	709.58	98.42	59995.90	709.58	98.37	60016.12	709.58	98.42	60017.82	709.58	98.42	60012.99	709.58	98.42
10%	Vmax	5757.97	799.10	96.83	5762.03	799.10	96.87	5762.74	799.10	96.89	5756.38	799.10	96.85	5762.74	799.10	96.90
20%	Vmax	11964.32	799.14	98.10	11956.24	799.14	98.05	11964.58	799.14	98.10	11963.44	799.14	98.10	11966.62	799.14	98.10
30%	Vmax	18580.05	799.12	98.37	18574.34	799.12	98.31	18581.33	799.12	98.36	18576.29	799.12	98.36	18584.47	799.12	98.36
50%	Vmax	29962.58	799.22	98.45	29949.53	799.22	98.40	29960.28	799.22	98.45	29966.17	799.22	98.45	29955.46	799.22	98.45
75%	Vmax	44692.32	799.35	98.32	44666.80	799.35	98.28	44693.15	799.35	98.33	44673.13	799.35	98.33	44671.59	799.35	98.33
100%	Vmax	60507.68	799.56	98.14	60477.27	799.56	98.09	60503.24	799.56	98.14	60526.94	799.56	98.14	60523.21	799.56	98.14

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	5982.14	684.10	97.72	5985.54	684.10	97.76									
20%	Vmin	12045.52	684.12	98.55	12046.46	684.12	98.55									
30%	Vmin	18422.69	684.13	98.76	18433.49	684.13	98.76									
50%	Vmin	30035.71	684.22	98.79	30035.47	684.22	98.79									
75%	Vmin	45241.90	684.38	98.64	45248.17	684.38	98.64									
100%	Vmin	60401.81	684.63	98.49	60403.49	684.63	98.50									
10%	Vnom	5925.98	709.15	97.52	5927.13	709.15	97.52									
20%	Vnom	11951.83	709.17	98.44	11950.65	709.17	98.44									
30%	Vnom	18433.91	709.16	98.66	18430.20	709.16	98.66									
50%	Vnom	29841.40	709.23	98.72	29834.12	709.23	98.72									
75%	Vnom	44967.02	709.37	98.61	44968.99	709.37	98.61									
100%	Vnom	60012.91	709.58	98.43	60008.01	709.58	98.42									
10%	Vmax	5757.50	799.10	96.87	5762.74	799.10	96.89									
20%	Vmax	11966.83	799.14	98.10	11966.83	799.14	98.10									
30%	Vmax	18576.20	799.12	98.37	18582.10	799.12	98.37									
50%	Vmax	29953.75	799.22	98.45	29946.07	799.22	98.45									
75%	Vmax	44676.70	799.35	98.33	44671.10	799.35	98.33									
100%	Vmax	60514.85	799.56	98.14	60505.34	799.56	98.14									