9900CX FACILITY PLANNER 1050/1400/1500/1750/2100 KVA UPS (480VIN/480VOUT 60 HZ 0.95 PF)

MITSUBISHI ELECTRIC
CRITICAL POWER SOLUTIONS

9900CX UPS RATING (KVA)/(kW)	9900CX UPS MAIN INPUT DATA				9900CX UPS BYPASS INPUT DATA		9900CX UPS OUTPUT DATA	
	UPS INPUT POWER (kW)	UPS INPUT (KVA) Nom/Max	UPS INPUT CURRENT Nom/Max (A)	UPS MAIN (BIN) EXTERNAL OVERCURRENT PROTECTION TRIP (A)	UPS BYPASS CURRENT (A)	UPS BYPASS EXTERNAL OVERCURRENT PROTECTION TRIP (A)	UPS OUTPUT CURRENT Nom/Max (A)	UPS OUTPUT EXTERNAL OVERCURRENT PROTECTION TRIP (A)
1,050/1,000	1,038	1,050/1,196	1,263/1,438	1,600 (100% Rated)	1,263	1,600 (100% Rated)	1,263/1,895	1,600 (100% Rated)
1,400/1,330	1,374	1,374/1,564	1,651/1,881	2,000 (100% Rated)	1,684	2,000 (100% Rated)	1,684/2,526	2,000 (100% Rated)
1,500*/1,500*	1,550	1,550/1,705	1,864/2,050	2,000 (100% Rated)	1,804	2,000 (100% Rated)	1,804/2,706	2,000 (100% Rated)
1,750/1,663	1,717	1,734/1,975	2,085/2,375	2,500 (100% Rated)	2,105	2,500 (100% Rated)	2,105/3,157	2,500 (100% Rated)
2,100/2,000	2,065	2,085/2,374	2,507/2,855	3,000 (100% Rated)	2,526	3,000 (100% Rated)	2,526/3,789	3,000 (100% Rated)
NOTES	*1,2,3,4*		*5*	*2,6,7*	*7*	*2,6,7*	*10,11,12*	*2,8*

	BATTERY SYSTEM DATA		MECHANICAL DATA				
UPS RATING (KVA)	BATTERY SYSTEM OUTPUT CURRENT AT 400VDC END VOLTAGE (A)	BATTERY CABINET OVERCURRENT PROTECTION TRIP (A)	DIMENSIONS (W X D X H) (INCHES)	WEIGHT (LBS)	Max Elevation (Ft) / Max Temp (°F)	DISTRIBUTED FLOOR LOADING (LBS/FT²)	POINT LOADING (LBS/FT²)
1,050	2,593	600	118.1 X 35.4 X 80.7	6,613	6,500 / 104	227	2,545
1,400	3,457	800	167.3 X 35.5 X 80.6	9,405	6,500 / 104	232	2,545
1,500*	3,890	800	190.9 X 35.5 X 80.6	11,354	6,500 / 104	241	2,545
1,750	4,321	800	198.9 X 35.4 X 80.5	11,770	6,500 / 104	241	2,545
2,100	5,208	800	222.4 X 35.5 X 80.7	13,530	6,500 / 104	247	3,039
NOTES	*2,9,16*	*2*					*15*

	HEAT LOSS AND AIR FLOW			
UPS RATING (KVA)	HEAT REJECTION AT 100% LOAD (kBTU/Hr)	EFFICIENCY AT 100% LOAD (%)	UPS AIRFLOW (CFM)	RECOMMENDED ROOM AIR FLOW REQUIREMENTS (CFM)
1,050	125.9	96.8	6,600	13,660
1,400	150.0	96.8	8,800	18,210
1,500*	170.6	96.8	11,000	19,510
1,750	187.5	96.8	11,000	22,760
2,100	236.6	96.6	13,200	27,310
NOTES	*13,14*		*17*	*18*

*1500 kVA is 1.0 PF

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NOTES

1. Acceptable input and bypass voltage range is 480VAC, +15%, -20%
2. Install and ground the UPS system in accordance with NFPA 70 National Electrical Code and all federal, state and local regulations.
3. UPS main input and bypass frequency: 60Hz ± 10%.
4. UPS input power factor: 0.99 at 100% load and 0.99 at 50% load. The UPS input power factor is independent of the UPS output (load) power factor.
5. The nominal current is continuous and is based on 100% load. The maximum current includes the nominal input current at 100 % load and the non-continuous battery recharge current. Consult factory before operating at the maximum current.
6. Power main input and bypass feeder inputs (provided by others) from separate overcurrent protection devices. Main input overcurrent protection devices are sized based on the maximum current which includes the maximum battery charging current.
7. Main Input and bypass input are 3-phase, 3-wire plus ground. UPS cable entry cabinet has top or bottom conduit entry.
8. UPS output overcurrent protection device is provided by others. UPS output cables are to be run conduits separate from the input and bypass cables: 3-phase, 3-wire plus ground.
9. Consult the factory when using a non-lead acid battery stored energy system.
10. UPS inverter output voltage regulation: ±1% balanced load, ±2% unbalanced load.
11. UPS output total harmonic voltage distortion (THDv): ≤2% at 100% linear load and ≤5% at 100% nonlinear load.
12. Maximum load crest factor: 2.3.
13. The specified heat losses are only for the UPS module. Peripheral equipment heat losses must be considered separately.
14. Maintain clearances per the UPS installation drawing. Minimum overhead clearance: 23.6 inches.
15. Use point loading with raised-floor installations.
16. Actual test values.
17. UPS airflow is the volume of air per unit of time moving through the UPS propelled by the fans.
18. Room airflow requirement is the recommended airflow required through a room to maintain UPS operation temperatures when a UPS is exhausting air back into the room.

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