

Section 300 - Weights

300 - Electric Plant													
Spec No.	Item	Size	Unit Weight	Units	Qty	Category Weight	Sub-cat Weight	Item Weight	LCG	TCG	VCG	C/E/A	Remarks
			lb/unit	units		LT	LT	lb	ft-FR 0	ft-CL +s	ft-ABL		
300	<b>Electric Plant Subtotal</b>							58.1	130110	98.90	-0.61	27.46	
310	<b>General</b>							0					
302	<b>Electric Motors And Equipment</b>												
303	<b>Protective Devices For Electric Circuits</b>												
304	<b>Electric Cable</b>												
310	<b>Ships Service And Emergency Generating Sets</b>							36.4					
311	<b>Ship Service Power Generation</b>							9.2					
	Motor-Generator Set		4200	each	2			8400	90	0	24	E	Vendor: Kato
	M-G Set Switchboard		200	each	1			200	90	0	24	E	Vendor: Square-D
	M-G Set Transformer Bank		260	each	1			260	90	0	24	E	Vendor: Tierney
	Clean Power Panelboards		85	each	5			425	90	0	24	E	Vendor: Square-D
	Machinery Space Ventilation MCC		600	each	1			600	90	0	24	E	Vendor: Square-D, (1) Section
	Auxiliary Machinery MCC		3000	each	2			6000	90	0	24	E	Vendor: Square-D, (5) Sections Ea.
	Accommodation Ventilation MCC		1800	each	2			3600	90	0	24	E	Vendor: Square-D, (3) Sections Ea.
	Ship Service 480/208Y-120V Transformer Bank	112.5 kVA	1110	each	1			1110	90	0	24	E	Vendor: Tierney
312	<b>Emergency Power Generation</b>							5.1					
	Emergency Generator Set	350 kW	7500	each	1			7500	150	-16	41	E	Vendor: Caterpillar
	Emergency Switchboard		1200	each	1			1200	150	-16	41	E	Vendor: Square-D
	Emergency-SS Switchboard Bus-Tie ABT	600 Amp Rating	420	each	1			420	150	-16	41	E	Vendor: ASCO
	Emergency Diesel Starting Batteries		158	each	4			632	150	-16	41	E	Vendor: Interstate
	EDG Starting Battery Charger		135	each	1			135	150	-16	41	E	Vendor: LaMarche
	Emergency 480/208Y-120V Transformer Bank	60 kVA	660	each	1			660	150	-16	41	E	Vendor: Tierney
	Emergency Power/Lighting Cabling		85	each	10			850	150	-16	41	E	Vendor: Square-D
313	<b>Battery Charging</b>							1.8					
	Uninterruptable Power Supply		2650	each	1			2650	90	0	24	E	Vendor: Cyberex Inc
	Batteries		200	each	6			1200	90	0	24	E	
	Battery Charger		100	each	1			100	90	0	24	E	
	Battery Transfer Switch		40	each	1			40	90	0	24	E	
314	<b>General Power Conversion</b>							20.4					
	Neutral Point Resistor Cubicles		551	each	3			1653	108	2	24	E	Vendor: ABB
	Voltage Regulator Cubicles		132	each	3			396	108	2	24	E	Vendor: ABB
	Propulsion Converter	2945 kVA	9557	each	2			19114	108	2	24	E	Vendor: ABB
	Propulsion Converter Controller		352	each	2			704	108	2	24	E	Vendor: ABB
	Propulsion Converter Resistor Cubicle		551	each	2			1102	108	2	24	E	Vendor: ABB
	Propulsion Harmonic Filter	440 V	2425	each	2			4850	108	2	24	E	Vendor: ABB
	UPS Unit		815	each	2			1630	108	2	24	E	Vendor: ABB
	UPS External Battery		397	each	2			794	108	2	24	E	Vendor: ABB
	Distribution Transformer	1250 kVA	7700	each	2			15400	108	2	24	E	Vendor: ABB
320	<b>Electrical Power Distribution</b>							2.6					
321	<b>Ship Service Power Cables</b>												
322	<b>Emergency Power Cables</b>												
323	<b>Casualty Power Cables</b>												
324	<b>Switchboards Power Distribution</b>							2.6					
	Main Switchboard (Low Voltage)		5550	each	1			5550	104	2	24	E	Vendor: Litton Marine
	Ship Service 480V Power Panel		200	each	1			200	104	2	24	E	Vendor: Square-D

