

# DEPARTMENT OF HEALTH CARE ACCESS AND INFORMATION FACILITIES DEVELOPMENT DIVISION

### OFFICE USE ONLY APPLICATION FOR HCAI SPECIAL SEISMIC **CERTIFICATION PREAPPROVAL (OSP)** APPLICATION #: OSP-0754 **HCAI Special Seismic Certification Preapproval (OSP)** X New Type: Renewal **Manufacturer Information** Manufacturer: C&C Power, Inc Manufacturer's Technical Representative: James Lupinek Mailing Address: 395 Mission Street, Carol Stream, IL 60188 Telephone: (630) 617-9022 Email: jlupinek@ccpower.com **Product Information** Product Name: UPS and Batteries Product Type: UPS Product Model Number: 90880, 90881, 90821, 90820 UPS Maintenance Bypass Cabinet mmad Karim General Description: Mounting Description: Rigid, Floor/Wall Mounted Seismic enhancements made to the test units and/or modifications required to address Tested Seismic Enhancements: anomalies during the tests shall be incorporated into the production units. **Applicant Information** Applicant Company Name: Dynamic Certification Labatories Contact Person: Kelly Laplace Mailing Address: 1315 Greg Street Suite 109, Sparks, NV 89431 Telephone: (775) 358-5085 Email: kelly@shaketest.com





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Title: Business Manager

11/17/2022 OSP-0754



# DEPARTMENT OF HEALTH CARE ACCESS AND INFORMATION FACILITIES DEVELOPMENT DIVISION

California Licensed Structural Engineer Responsible for the Engineering and Test Report(s)	
Company Name: THE VMC GROUP	
Name: Kenneth Tarlow California License Number: S2851	
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Certification Method	
GR-63-Core X ICC-ES AC156 IEEE 344 IEEE 693	NEBS 3
Other (Please Specify):	
EOR CODE CO.	
Testing Laboratory	
Company Name: DYNAMIC CERTIFICATION LABORATORY (DCL)	
Contact Person: Kelly Laplace	
Mailing Address: 1315 Greg St., Ste 109, Sparks NV 89431	
Telephone: (775) 358-5085 Email: Kelly@shaketest.com	
DATE: 11/17/2022	







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# DEPARTMENT OF HEALTH CARE ACCESS AND INFORMATION FACILITIES DEVELOPMENT DIVISION

Seismic Parameters	eismic Parameters							
Design Basis of Equipment or Components (F <sub>p</sub> /W <sub>p</sub> ) = 1.5								
SDS (Design spectral response accele	eration at short period, g) = 2							
a <sub>p</sub> (Amplification factor) =	2.5							
R <sub>P</sub> (Response modification factor) =	6							
Ω0 (System overstrength factor) =	2.0							
I <sub>P</sub> (Importance factor) =	1.5							
z/h (Height ratio factor) =	1							
Natural frequencies (Hz) =	See Attachment							
Overall dimensions and weight =	See Attachment							

HCAI A	HCAI Approval (For Office Use Only) Approval Expires on 11/17/2028									
Date:	11/17/2022	OSP-0754	12							
Name:	Mohammad Karim		Title:	Supervisor, Health Facilities						
Special	Seismic Certification Valid <mark>Up t</mark>	o: SDS (g) = 2.0	z/h =	1						
Conditio	n of Approval (if applicable):	DATE: 11/17/2022								





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# Table 1 - Certified Components - Wall Mounted Units

(()) DCL

DYNAMIC

CERTIFICATION

LABORATORIES.LLC

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DCL Project Number: 51577-2001

Manufacturer: C & C Power, Inc.

Product Type: Uninterruptable Power Supply (UPS)

Product Line:UPS Maintenance BypassMounting Configuration:Rigid Wall MountedTest Levels:SDS = 2.0g, z/h=1.0

Model Number	Cabinet Type	2000	Dimensions (in)	Weight (lb)	Unit	
	Cabinet Type	Depth	Width	Height	weight (ib)	Offic
90880-xxxxxxxECxxxxxxxxxxxxxx	90880	10.0	30.0	36.0	100	Interpolated
90880-C483314ECA150A15042MB	90880	10.0	30.0	36.0	130	UUT-01
90881-xxxxxxxECxxxxxxxxxxxxxx	90881	11.0	30.0	42.0	130	Interpolated
90881-C208365ECA400A40044MB	90881	11.0	30.0	42.0	176	UUT-02

OSP-0754

BY: Mohammad Karim

DATE: 11/17/2022

#### Table 2 - Nomenclature Chart - Wall Mounted Units



51577-2001

DCL Project Number: Manufacturer: C & C Power, Inc.

Product Type: Uninterruptable Power Supply (UPS) Product Line: UPS Maintenance Bypass

Mounting Configuration: Rigid Wall Mounted Test Levels: SDS = 2.0g, z/h=1.0

#### Sample Model Number

# 90xxx -C 480 3 65 EC 4 225 A 225 06 BT A1 H

		1 2 3 4	5 6 7 8 9 10 11 12 13 14	
Character	Category	Allowable Value	Description	Unit
1	Base Model Number	90880	90880 UPS Maintenance Bypass	UUT-01
1	Base Woder Number	90881	90881 UPS Maintenance Bypass	UUT-02
		Α		Same
2	Customer Code	С	Identifier for the buying customer.	UUT-01,UUT-02
		B-Z		Same
		120	120 VAC 1PH/2W	Extrapolated
		208	208Y/120 VAC 3PH/4W	UUT-02
		240	240 VAC 3PH/3W	Interpolated
3	Voltage	241	120/208/240 VAC 1PH/3W	Interpolated
3	Voltage	242	240 VAC 1PH/2W	Interpolated
		400	400Y/230 VAC 3PH/4W	Interpolated
		480	380Y/277 VAC 3PH/4W	Interpolated
		483	480 VAC 3PH/3W	UUT-01
4	Breaker Quantity	2	2 Breakers	Extrapolated
4	Breaker Qualitity	3	3 Breakers	UUT-01,UUT-02
	/	14	14K	UUT-01
		18	18K	Extrapolated
5	AIC Rating	22	22K	Extrapolated
3	AIC Rating	35	35K	Extrapolated
	14	50	SP_075/ 50K	Extrapolated
	0	65	65K	UUT-02
6	Breaker Type	EC/X/X/X/X/X/X/X/X/X/X/X/X/X/X/X/X/X/X/X	Eaton/Cutler Hammer Series C	UUT-01,UUT-02
		0	UIB Breaker Absent	Extrapolated
		PA/· Mol	TMAG 80%	UUT-01,UUT-02
		D <sub>B</sub> I . IVIO	TMAG 100%	Same
		MMM mm Caravages	LS 80%	Same
		D	LS 100%	Same
		DEATE.	14/17/2022 LSI 80%	Same
	BIB or UIB Breaker Trip Unit	DE L.	LSI 100%	Same
7 ¹		G C ASSE	LSIG 80%	Same
	Туре	H	LSIG 100%	Same
	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \		ALSI 80%	Same
		K	ALSI 100%	Same
		L	ALSIG 80%	Same
		M	ALSIG 100%	Same
		N	LI 80%	Same
		PADI	LI 100%	Same
8	BIB or UIB Breaker Trip Unit	000	UIB breaker absent	Extrapolated
δ	Rating (Amps)	015-400	Ranges from 015-400A	UUT-01,UUT-02

#### Note:

1. Different electronic trip types add different dials and software that allow for field adjustments of settings that would otherwise be set from the factory. These do not alter the weight or overall power capacity of the circuit breaker.

#### Terminology Guide:

80% = All standard industry circuit breakers are rated to 80% of their advertised amperage value.

100% = Special order breakers rated to 100% of the advertised amperage value.

TMAG = Thermal Magnetic Trip (No Amperage Field Adjustment)

LS = Electronic Trip Adjustable Short Time Pickup

LSI = Electronic Trip Independent Adjustable Short Time Pickup & Delay

LSIG = Electronic Trip Independent Adjustable Short Time Pickup & Ground Fault Protection

ALSI = Electronic Trip Independent Adjustable Short Time Pickup & Delay w/ Maintenance Mode

ALSIG = Electronic Trip Independent Adjustable Short Time Pickup & Ground Fault Protection & Maintenance Mode

LI = Electronic Trip Adjustable Instantaneous

#### Table 2 - Nomenclature Chart - Wall Mounted Units (Continued)



DCL Project Number: 51577-2001

Manufacturer: C & C Power, Inc.

Product Type: Uninterruptable Power Supply (UPS) Product Line: UPS Maintenance Bypass

Mounting Configuration: Rigid Wall Mounted Test Levels: SDS = 2.0g, z/h=1.0

Sample Model Number

<u>90xxx</u>	<u>-C</u>	480	3	<u>65</u>	EC	4	<u>225</u>	A	225	06	BT	<u>A1</u>	H
1	2	3	4	5	6	7	8	9	10	11	12	13	14

		1 2 3 4 5	6 / 8 9 10 11 12 13 14	
Character	Category	Allowable Value	Description	Unit
		Α	TMAG 80%	UUT-01,UUT-02
		В	TMAG 100%	Same
		С	LS 80%	Same
		D	LS 100%	Same
		E	LSI 80%	Same
		F	LSI 100%	Same
91	MBB and MIB Breaker Trip	G	LSIG 80% (LSIG on MIB and LSI on MBB)	Same
	Unit Type	Н	LSIG 100% (LSIG on MIB and LSI on MBB)	Same
		J	ALSI 80%	Same
		K	ALSI 100%	Same
			ALSIG 80% (ALSIG on MIB and ALSI on MBB)	Same
		M	ALSIG 100% (ALSIG on MIB and ALSI on MBB)	Same
		N	LI 80%	Same
		P	LI 100%	Same
10	MBB and MIB Breaker Trip Unit Rating (Amps)	015-400	Ranges from 015-400A	UUT-01,UUT-02
11	Interlock Configuration	##	Any 2-character alpha-numeric combination to represent a specific breaker interlocking configuration.	UUT-01,UUT-02
12	Color Code	##	Color the enclosure is painted. Matches customer specification. Any 2-character alpha numeric combination to represent a specific color.	UUT-01,UUT-02
13	Custom Code		Breaker accessory combination. Any 2-character alpha numeric combination to represent a specific breaker accessory combination.	UUT-01,UUT-02
14	Certification	XXXXX H	OSP certified	UUT-01,UUT-02
NI-4-				

Note:

1. Different electronic trip types add different dials and software that allow for field adjustments of settings that would otherwise be set from the factory. These do not alter the weight or overall power capacity of the circuit breaker.

Terminology Guide:

80% = All standard industry circuit breakers are rated to 80% of their advertised amperage value.

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LSIG = Electronic Trip Independent Adjustable Short Time Pickup & Ground Fault Protection

ALSI = Electronic Trip Independent Adjustable Short Time Pickup & Delay w/ Maintenance Mode

ALSIG = Electronic Trip Independent Adjustable Short Time Pickup & Ground Fault Protection & Maintenance Mode

LI = Electronic Trip Adjustable Instantaneous

# Table 3 - Certified Components - Base Mounted Units

(()) DCL

DCL Project Number: 51577-2001

Manufacturer: C & C Power, Inc.

Product Type: Uninterruptable Power Supply (UPS)

Product Line:UPS Maintenance BypassMounting Configuration:Rigid Base MountedTest Levels:SDS = 2.0g, z/h=1.0

Model Number	Cabinat Tuna	- 60	Dimensions (in)	Weight (lb)	11min	
	Cabinet Type	Depth	Width	Height	- weight (ib)	Unit
90821-C483314ECA150A15042BT	90821	33.0	12.0	79.0	350	UUT-03
90821-C483335ECA400A40002BT	90821	33.0	12.0	79.0	350	UUT-04
90821-xxxxxxxECxxxxxxxxxxxxxx	90821	33.0	12.0	79.0	365	Interpolated
90820-xxxxxxxEGxxxxxxxxxxxxxx	90820	33.0	18.0	79.0	375	Interpolated
90820-C208365EGA600A60044BT	90820	33.0	18.0	79.0	420	UUT-05

BY: Mohammad Karim

DATE: 11/17/2022

#### Table 4 - Nomenclature Chart - Base Mounted Units



DCL Project Number: 51577-2001

Manufacturer: C & C Power, Inc.

Product Type: Uninterruptable Power Supply (UPS)

Product Line: UPS Maintenance Bypass
Mounting Configuration: Rigid Base Mounted
Test Levels: SDS = 2.0g, z/h=1.0

Sample Model Number

# 90xxx -C 480 3 65 EC 4 225 A 225 06 BT A1 H 1 2 3 4 5 6 7 8 9 10 11 12 13 14

		1 2 3	4 5 6 / 8 9 10 11 12 13 14	
Character	Category	Allowable Value	Description	Unit
1	Base Model Number	90821	90821 UPS Maintenance Bypass	UUT-03,UUT-04
_	Base Wiodel Wallibel	90820	90820 UPS Maintenance Bypass	UUT-05
		Α		Same
2	Customer Code	С	Identifier for the buying customer.	UUT-03,UUT-04,UUT-05
		B-Z		Same
		120	120 VAC 1PH/2W	Extrapolated
		208	208Y/120 VAC 3PH/4W	UUT-05
		240	240 VAC 3PH/3W	Interpolated
3	Voltage	241	120/208/240 VAC 1PH/3W	Interpolated
]	Voitage	242	240 VAC 1PH/2W	Interpolated
		400	400Y/230 VAC 3PH/4W	Interpolated
		480	380Y/277 VAC 3PH/4W	Interpolated
		483	480 VAC 3PH/3W	UUT-03,UUT-04
		2	2 Breakers	Extrapolated
4	Breaker Quantity	3	3 Breakers	UUT-03,UUT-04,UUT-05
		14	14K	UUT-03
	/	18	18K	Interpolated
5	AIC Rating	22	22K	Interpolated
]	Alc Rating	35	JSP-0/34 35K	UUT-04
		50	50K	Interpolated
		(/////65///////	65K	UUT-05
6	Breaker Type	EC .	Eaton/Cutler Hammer Series C	UUT-03,UUT-04
0	втеакет туре	EG V	Eaton/Cutler Hammer Series G	UUT-05
		//////// O	UIB Breaker Absent	Extrapolated
		A	TMAG 80%	UUT-03,UUT-04,UUT-05
		ВД	TMAG 100%	Same
	\ \ \	C	LS 80%	Same
		D	LS 100%	Same
		E	LSI 80%	Same
7 ¹	BIB or UIB Breaker Trip	F	LSI 100%	Same
/	Unit Type	G	LSIG 80%	Same
		H	LSIG 100%	Same
		18/12	ALSI 80%	Same
		K	ALSI 100%	Same
			ALSIG 80%	Same
		M	ALSIG 100%	Same
	N		LI 80%	Same
		Р	LI 100%	Same
	BIB or UIB Breaker Trip	000	UIB breaker absent	Extrapolated
8	Unit Rating (Amps)	015-600	Ranges from 015-600A	UUT-03,UUT-04,UUT-05

#### Note:

1. Different electronic trip types add different dials and software that allow for field adjustments of settings that would otherwise be set from the factory. These do not alter the weight or overall power capacity of the circuit breaker.

#### Terminology Guide:

80% = All standard industry circuit breakers are rated to 80% of their advertised amperage value.

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LSIG = Electronic Trip Independent Adjustable Short Time Pickup & Ground Fault Protection

ALSI = Electronic Trip Independent Adjustable Short Time Pickup & Delay w/ Maintenance Mode

ALSIG = Electronic Trip Independent Adjustable Short Time Pickup & Ground Fault Protection & Maintenance Mode

LI = Electronic Trip Adjustable Instantaneous

#### Table 4 - Nomenclature Chart - Base Mounted Units (Continued)



51577-2001 DCL Project Number: Manufacturer:

C & C Power, Inc.

Uninterruptable Power Supply (UPS) Product Type: Product Line: **UPS Maintenance Bypass** 

Mounting Configuration: Rigid Base Mounted Test Levels: SDS = 2.0g, z/h=1.0

Sample Model Number

<u>90xxx</u>	<u>-C</u>	<u>480</u>	3	<u>65</u>	EC	4	225	<u>A</u>	<u> 225</u>	<u>06</u>	<u>BT</u>	<u>A1</u>	<u>H</u>
1	2	3	1	5	6	7	2	a	10	11	12	12	14

		1 2 3 4	5 6 / 8 9 10 11 12 13 14	
Character	Category	Allowable Value	Description	Unit
		Α	TMAG 80%	UUT-03,UUT-04,UUT-05
			В	TMAG 100%
	[	С	LS 80%	Same
	[	D	LS 100%	Same
	[	E	LSI 80%	Same
	MBB and MIB Breaker Trip	F	LSI 100%	Same
9 ¹	Unit Type	G	LSIG 80% (LSIG on MIB and LSI on MBB)	Same
	Offic Type [	Н	LSIG 100% (LSIG on MIB and LSI on MBB)	Same
	l [	J	ALSI 80%	Same
		K	ALSI 100%	Same
		L	ALSIG 80% (ALSIG on MIB and ALSI on MBB)	Same
		M	ALSIG 100% (ALSIG on MIB and ALSI on MBB)	Same
		N	LI 80%	Same
		P	LI 100%	Same
10	MBB and MIB Breaker Trip Unit Rating (Amps)	015-600	Ranges from 015-600A	UUT-03,UUT-04,UUT-05
11	Interlock Configuration	## 11111	Any 2-character alpha-numeric combination to represent a specific breaker interlocking configuration.	UUT-03,UUT-04,UUT-05
12	Color Code	4// ##	Color the enclosure is painted. Matches customer specification. Any 2-character alpha numeric combination to represent a specific color.	UUT-03,UUT-04,UUT-05
13	Custom Code	<b>***</b>	Breaker accessory combination. Any 2-character alpha numeric combination to represent a specific breaker accessory combination.	UUT-03,UUT-04,UUT-05
14	Certification	BY:M	ohammad Karim <sup>OSP</sup> certified	UUT-03,UUT-04,UUT-05

#### Note:

1. Different electronic trip types add different dials and software that allow for field adjustments of settings that would otherwise be set from the factory. These do not alter the weight or overall power capacity of the circuit breaker.

#### Terminology Guide:

80% = All standard industry circuit breakers are rated to 80% of their advertised amperage value.

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TMAG = Thermal Magnetic Trip (No Amperage Field Adjustment)

LS = Electronic Trip Adjustable Short Time Pickup

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LSIG = Electronic Trip Independent Adjustable Short Time Pickup & Ground Fault Protection

ALSI = Electronic Trip Independent Adjustable Short Time Pickup & Delay w/ Maintenance Mode

ALSIG = Electronic Trip Independent Adjustable Short Time Pickup & Ground Fault Protection & Maintenance Mode

LI = Electronic Trip Adjustable Instantaneous

#### Table 5 - Certified Subcomponents - Wall Mounted Units



51577-2001 Uninterruptable Power Supply (UPS) UPS Maintenance Bypass Rigid Wall Mounted DCL Project Number:
Product Type:
Product Line:
Mounting Configuration:

Mounting Configuration: Test Levels:	Rigid Wall Mounted SDS = 2.0g, z/h=1.0							
rest bevers.	303 - 2.0g, 2/11-1.0		Enclosures					
Model Number	Manufacturer	NEMA Rating	Description		Construction	Dimensions (D x W x H)	Weight (lb)	Unit
90880 Enclosure	C & C Power Inc.	1	14 GA G90 Galvanized Steel E 16 GA Powdercoated Cold Rolled Ste		Riveted	10" X 30" X 36"	45	UUT-01
90881 Enclosure	C & C Power Inc.	1	14 GA G90 Galvanized Steel E 16 GA Powdercoated Cold Rolled Ste	nclosure,	Riveted	11" X 30" X 42"	55	UUT-02
Model Number	Manufacturer	Solenoid Key Release Unit  Description			Mate	rial	Weight	Unit
		·					(lb)	
W22IPB-EW-MVDLW-10 ATQR1/4	c3Controls Mersen	Push Bu	atton Illuminated Momentary 22MM 1NO 20 ATQR Series Fuse 1/4A Class CC Time Dela		Plastic, Carbon Sto Brass and F		<1	UUT-01,UUT-02 UUT-01
ATQR1/4 ATQR1/2	Mersen		ATQR Series Fuse 1/4A Class CC Time Del		Brass and F		<1	Interpolated
ATQR1	Mersen		ATQR Series Fuse 1A Class CC Time Dela		Brass and F		<1	UUT-02
ATQR3	Mersen		ATQR Series Fuse 3A Class CC Time Dela		Brass and F		< 1	UUT-01,UUT-02
HPF-RR	Eaton / Bussmann		Fuse Holder 1P 30A 600V Class CC Panel Mo		Plastic an		< 1	UUT-01,UUT-02
HPS2	Eaton / Bussmann	Cinavit Branks	Fuse Holder 2P 30A 600V Class CC Panel Mor Lock (Cylinder Locked in Retracted Position		Plastic an		<1	UUT-01,UUT-02
KFL003710S KFL003711S	KIRK KIRK		r Lock (Cylinder Locked in Retracted Position		Brass and Sta Brass and Sta		2	UUT-01,UUT-02 UUT-01,UUT-02
SKPM111S	KIRK		plenoid Key Lock (Key Captive Until Power Ap		Plastic, Brass, and		2	UUT-01,UUT-02
C0050E1B	Eaton / Cutler Hammer		50VA Control Transformer 120V-240V / 2		Carbon Steel		3	UUT-02
C0050E2B	Eaton / Cutler Hammer		50VA Control Transformer 240V-480V / 2	4V	Carbon Steel		3	UUT-01
C0050E4W	Eaton / Cutler Hammer		50VA Control Transformer 600V / 24V		Carbon Steel	and Copper	3	Interpolated
	T		Circuit Breaker Accesso	ries			Weight	
Model Number	Manufacturer		Description	-Un	Mate	rial	(lb)	Unit
A1X3PK	Eaton / Cutler Hammer	//	Auxiliary Switch 1A/1B	W VI	Plastic, Carbon St	eel, and Copper	< 1	UUT-02
A2X3PK	Eaton / Cutler Hammer		Auxiliary Switch 2A/2B		Plastic, Carbon St		< 1	UUT-02
SNT3P11K	Eaton / Cutler Hammer	/A	Shunt Trip	<del>-</del> XXXXXXXX	New Plastic, Carbon St	eel, and Copper	<1	UUT-02
			Busbar	WAXAAAAA Y	7			
Model Number	Manufacturer		Description		Mate	rial	Weight (lb)	Unit
90880 BUSWORK	C & C Power Inc. C & C Power Inc.		Circuit Breaker Phase Connection Busbar		Сорр		9	UUT-01 UUT-02
90881 BUSWORK	C & C Power Inc.	0-1	Circuit Breaker Phase Connection Busbar Breakers	5/	Copp	er	13	001-02
Model Number	Manufacturer		Description		Mate	rial	Weight (lb)	Unit
ED2015	Eaton / Cutler Hammer	REVIEW	15A C-Series 2-Pole Circuit Breaker		Plastic, Carbon St	eel, and Copper	3	Extrapolated
ED2020	Eaton / Cutler Hammer	O SERVICE I	20A C-Series 2-Pole Circuit Breaker	Karim 🔍	Plastic, Carbon St		3	Extrapolated
ED2025	Eaton / Cutler Hammer		25A C-Series 2-Pole Circuit Breaker	r (dilili	Plastic, Carbon St		3	Extrapolated
ED2030	Eaton / Cutler Hammer	VAXAYAA T	30A C-Series 2-Pole Circuit Breaker		Plastic, Carbon St		3	Extrapolated
ED2035	Eaton / Cutler Hammer	THE THE TANK	35A C-Series 2-Pole Circuit Breaker		Plastic, Carbon St		3	Extrapolated
ED2040 ED2050	Eaton / Cutler Hammer Eaton / Cutler Hammer		40A C-Series 2-Pole Circuit Breaker  50A C-Series 2-Pole Circuit Breaker	000	Plastic, Carbon Sto Plastic, Carbon Sto		3	Extrapolated Extrapolated
ED2060	Eaton / Cutler Hammer	( ) ( )	60A C-Series 2-Pole Circuit Breaker	UZZ B	Plastic, Carbon St		3	Extrapolated
ED2100	Eaton / Cutler Hammer	V	100A C-Series 2-Pole Circuit Breaker	F. commercial	Plastic, Carbon St		3	Extrapolated
ED2125	Eaton / Cutler Hammer		125A C-Series 2-Pole Circuit Breaker	RAMBARA	Plastic, Carbon St	eel, and Copper	3	Extrapolated
ED2150	Eaton / Cutler Hammer		150A C-Series 2-Pole Circuit Breaker	MANNAN	Plastic, Carbon St		3	Extrapolated
ED2175	Eaton / Cutler Hammer	1.7.	175A C-Series 2-Pole Circuit Breaker	NXXVXXX	Plastic, Carbon St		3	Extrapolated
ED2200 ED2225	Eaton / Cutler Hammer Eaton / Cutler Hammer		200A C-Series 2-Pole Circuit Breaker 225A C-Series 2-Pole Circuit Breaker		Plastic, Carbon Sto Plastic, Carbon Sto		3	Extrapolated Extrapolated
EDB2100	Eaton / Cutler Hammer		100A C-Series 2-Pole Circuit Breaker		Plastic, Carbon St		3	Extrapolated
EDB2125	Eaton / Cutler Hammer		125A C-Series 2-Pole Circuit Breaker		Plastic, Carbon St		3	Extrapolated
EDB2150	Eaton / Cutler Hammer		150A C-Series 2-Pole Circuit Breaker		Plastic, Carbon St		3	Extrapolated
EDB2175	Eaton / Cutler Hammer		175A C-Series 2-Pole Circuit Breaker		Plastic, Carbon St		3	Extrapolated
EDB2200	Eaton / Cutler Hammer		200A C-Series 2-Pole Circuit Breaker		Plastic, Carbon St		3	Extrapolated
EDB2225 EHD2010	Eaton / Cutler Hammer Eaton / Cutler Hammer		225A C-Series 2-Pole Circuit Breaker 10A C-Series 2-Pole Circuit Breaker		Plastic, Carbon Sto Plastic, Carbon Sto		3	Extrapolated Extrapolated
EHD2015	Eaton / Cutler Hammer		15A C-Series 2-Pole Circuit Breaker		Plastic, Carbon St		3	Extrapolated
EHD2020	Eaton / Cutler Hammer		20A C-Series 2-Pole Circuit Breaker		Plastic, Carbon St		3	Extrapolated
EHD2025	Eaton / Cutler Hammer		25A C-Series 2-Pole Circuit Breaker		Plastic, Carbon St	eel, and Copper	3	Extrapolated
EHD2030	Eaton / Cutler Hammer		30A C-Series 2-Pole Circuit Breaker		Plastic, Carbon St		3	Extrapolated
EHD2035	Eaton / Cutler Hammer		35A C-Series 2-Pole Circuit Breaker		Plastic, Carbon St		3	Extrapolated
EHD2040 EHD2045	Eaton / Cutler Hammer Eaton / Cutler Hammer		40A C-Series 2-Pole Circuit Breaker 45A C-Series 2-Pole Circuit Breaker		Plastic, Carbon St Plastic, Carbon St		3	Extrapolated Extrapolated
EHD2050	Eaton / Cutler Hammer		50A C-Series 2-Pole Circuit Breaker		Plastic, Carbon St		3	Extrapolated
EHD2060	Eaton / Cutler Hammer		60A C-Series 2-Pole Circuit Breaker		Plastic, Carbon St		3	Extrapolated
EHD2070	Eaton / Cutler Hammer		70A C-Series 2-Pole Circuit Breaker		Plastic, Carbon St	eel, and Copper	3	Extrapolated
EHD2080	Eaton / Cutler Hammer		80A C-Series 2-Pole Circuit Breaker		Plastic, Carbon St		3	Extrapolated
EHD2090	Eaton / Cutler Hammer		90A C-Series 2-Pole Circuit Breaker		Plastic, Carbon St		3	Extrapolated
EHD2100 FDB2010	Eaton / Cutler Hammer	-	100A C-Series 2-Pole Circuit Breaker 10A C-Series 2-Pole Circuit Breaker		Plastic, Carbon Sto Plastic, Carbon Sto		3	Extrapolated Extrapolated
FDB2010 FDB2015	Eaton / Cutler Hammer Eaton / Cutler Hammer	<del> </del>	15A C-Series 2-Pole Circuit Breaker		Plastic, Carbon St		3	Extrapolated
FDB2013	Eaton / Cutler Hammer	<u> </u>	20A C-Series 2-Pole Circuit Breaker		Plastic, Carbon St		3	Extrapolated
FDB2025	Eaton / Cutler Hammer		25A C-Series 2-Pole Circuit Breaker		Plastic, Carbon St	eel, and Copper	3	Extrapolated
FDB2030	Eaton / Cutler Hammer		30A C-Series 2-Pole Circuit Breaker		Plastic, Carbon St		3	Extrapolated
FDB2035	Eaton / Cutler Hammer		35A C-Series 2-Pole Circuit Breaker		Plastic, Carbon St		3	Extrapolated
FDB2040	Eaton / Cutler Hammer	-	40A C-Series 2-Pole Circuit Breaker		Plastic, Carbon St		3	Extrapolated
FDB2045 FDB2050	Eaton / Cutler Hammer Eaton / Cutler Hammer	+	45A C-Series 2-Pole Circuit Breaker 50A C-Series 2-Pole Circuit Breaker		Plastic, Carbon Sto Plastic, Carbon Sto		3	Extrapolated Extrapolated
FDB2060	Eaton / Cutler Hammer	1	60A C-Series 2-Pole Circuit Breaker		Plastic, Carbon St		3	Extrapolated
FDB2070	Eaton / Cutler Hammer		70A C-Series 2-Pole Circuit Breaker		Plastic, Carbon St		3	Extrapolated
FDB2080	Eaton / Cutler Hammer		80A C-Series 2-Pole Circuit Breaker		Plastic, Carbon St	eel, and Copper	3	Extrapolated
FDB2090	Eaton / Cutler Hammer		90A C-Series 2-Pole Circuit Breaker		Plastic, Carbon St		3	Extrapolated
FDB2100	Eaton / Cutler Hammer		100A C-Series 2-Pole Circuit Breaker		Plastic, Carbon St		3	Extrapolated
FDB2110	Eaton / Cutler Hammer	-	110A C-Series 2-Pole Circuit Breaker		Plastic, Carbon St		3	Extrapolated
FDB2125 FDB2150	Eaton / Cutler Hammer Eaton / Cutler Hammer	-	125A C-Series 2-Pole Circuit Breaker 150A C-Series 2-Pole Circuit Breaker		Plastic, Carbon Sto Plastic, Carbon Sto		3	Extrapolated Extrapolated
FD82150 FD2015	Eaton / Cutler Hammer  Eaton / Cutler Hammer		15A C-Series 2-Pole Circuit Breaker		Plastic, Carbon St		3	Extrapolated
FD2020	Eaton / Cutler Hammer		20A C-Series 2-Pole Circuit Breaker		Plastic, Carbon St		3	Extrapolated
					, , , , , , , , , , , , , , , , , , , ,		-	

#### Table 5 - Certified Subcomponents - Wall Mounted Units (continued)



DCL Project Number:
Product Type:
Product Line:
Mounting Configuration:
Test Levels: 51577-2001
Uninterruptable Power Supply (UPS)
UPS Maintenance Bypass
Rigid Wall Mounted
SDS = 2.0g, z/h=1.0

Test Levels:	SDS = 2.0g, z/h=1.0				
Model Number	Manufacturer	Breakers  Description	Material	Weight (Ib)	Unit
FD2025	Eaton / Cutler Hammer	25A C-Series 2-Pole Circuit Breaker	Plastic, Carbon Steel, and Copper	3	Extrapolated
FD2030	Eaton / Cutler Hammer	30A C-Series 2-Pole Circuit Breaker	Plastic, Carbon Steel, and Copper	3	Extrapolated
FD2035	Eaton / Cutler Hammer	35A C-Series 2-Pole Circuit Breaker	Plastic, Carbon Steel, and Copper	3	Extrapolated
FD2040	Eaton / Cutler Hammer	40A C-Series 2-Pole Circuit Breaker	Plastic, Carbon Steel, and Copper	3	Extrapolated
FD2045	Eaton / Cutler Hammer	45A C-Series 2-Pole Circuit Breaker	Plastic, Carbon Steel, and Copper	3	Extrapolated
FD2050	Eaton / Cutler Hammer	50A C-Series 2-Pole Circuit Breaker	Plastic, Carbon Steel, and Copper	3	Extrapolated
FD2060	Eaton / Cutler Hammer	60A C-Series 2-Pole Circuit Breaker	Plastic, Carbon Steel, and Copper	3	Extrapolated
FD2070	Eaton / Cutler Hammer	70A C-Series 2-Pole Circuit Breaker	Plastic, Carbon Steel, and Copper	3	Extrapolated
FD2080 FD2090	Eaton / Cutler Hammer	80A C-Series 2-Pole Circuit Breaker 90A C-Series 2-Pole Circuit Breaker	Plastic, Carbon Steel, and Copper Plastic, Carbon Steel, and Copper	3	Extrapolated
FD2100	Eaton / Cutler Hammer Eaton / Cutler Hammer	100A C-Series 2-Pole Circuit Breaker	Plastic, Carbon Steel, and Copper	3	Extrapolated Extrapolated
FD2110	Eaton / Cutler Hammer	110A C-Series 2-Pole Circuit Breaker	Plastic, Carbon Steel, and Copper	3	Extrapolated
FD2125	Eaton / Cutler Hammer	125A C-Series 2-Pole Circuit Breaker	Plastic, Carbon Steel, and Copper	3	Extrapolated
FD2150	Eaton / Cutler Hammer	150A C-Series 2-Pole Circuit Breaker	Plastic, Carbon Steel, and Copper	3	Extrapolated
FD2175	Eaton / Cutler Hammer	175A C-Series 2-Pole Circuit Breaker	Plastic, Carbon Steel, and Copper	3	Extrapolated
FD2200	Eaton / Cutler Hammer	200A C-Series 2-Pole Circuit Breaker	Plastic, Carbon Steel, and Copper	3	Extrapolated
FD2225	Eaton / Cutler Hammer	225A C-Series 2-Pole Circuit Breaker	Plastic, Carbon Steel, and Copper	3	Extrapolated
ED3015	Eaton / Cutler Hammer	15A C-Series 3-Pole Circuit Breaker	Plastic, Carbon Steel, and Copper	5	Extrapolated
ED3020	Eaton / Cutler Hammer	20A C-Series 3-Pole Circuit Breaker	Plastic, Carbon Steel, and Copper	5	Extrapolated
ED3025	Eaton / Cutler Hammer	25A C-Series 3-Pole Circuit Breaker	Plastic, Carbon Steel, and Copper	5	Extrapolated
ED3030	Eaton / Cutler Hammer	30A C-Series 3-Pole Circuit Breaker	Plastic, Carbon Steel, and Copper	5	Extrapolated
ED3035	Eaton / Cutler Hammer	35A C-Series 3-Pole Circuit Breaker	Plastic, Carbon Steel, and Copper	5	Extrapolated
ED3040	Eaton / Cutler Hammer	40A C-Series 3-Pole Circuit Breaker	Plastic, Carbon Steel, and Copper	5	Extrapolated
ED3050	Eaton / Cutler Hammer	50A C-Series 3-Pole Circuit Breaker	Plastic, Carbon Steel, and Copper	5	Extrapolated
ED3060	Eaton / Cutler Hammer	60A C-Series 3-Pole Circuit Breaker	Plastic, Carbon Steel, and Copper	5	Extrapolated
ED3100	Eaton / Cutler Hammer	100A C-Series 3-Pole Circuit Breaker	Plastic, Carbon Steel, and Copper	5	Extrapolated
ED3125	Eaton / Cutler Hammer	125A C-Series 3-Pole Circuit Breaker	Plastic, Carbon Steel, and Copper	5	Extrapolated
ED3150	Eaton / Cutler Hammer	150A C-Series 3-Pole Circuit Breaker	Plastic, Carbon Steel, and Copper	5	Extrapolated
ED3175 ED3200	Eaton / Cutler Hammer	175A C-Series 3-Pole Circuit Breaker 200A C-Series 3-Pole Circuit Breaker	Plastic, Carbon Steel, and Copper Plastic, Carbon Steel, and Copper	5	Extrapolated Extrapolated
	Eaton / Cutler Hammer				
ED3225 EDB3100	Eaton / Cutler Hammer Eaton / Cutler Hammer	225A C-Series 3-Pole Circuit Breaker 100A C-Series 3-Pole Circuit Breaker	Plastic, Carbon Steel, and Copper Plastic, Carbon Steel, and Copper	5	Extrapolated Extrapolated
EDB3100	Eaton / Cutler Hammer	125A C-Series 3-Pole Circuit Breaker	Plastic, Carbon Steel, and Copper	5	Extrapolated
EDB3150	Eaton / Cutler Hammer	150A C-Series 3-Pole Circuit Breaker	Plastic, Carbon Steel, and Copper	5	Extrapolated
EDB3175	Eaton / Cutler Hammer	175A C-Series 3-Pole Circuit Breaker	Plastic, Carbon Steel, and Copper	5	Extrapolated
EDB3200	Eaton / Cutler Hammer	200A C-Series 3-Pole Circuit Breaker	Plastic, Carbon Steel, and Copper	5	Extrapolated
EDB3225	Eaton / Cutler Hammer	225A C-Series 3-Pole Circuit Breaker	Plastic, Carbon Steel, and Copper	5	Extrapolated
EHD3010	Eaton / Cutler Hammer	10A C-Series 3-Pole Circuit Breaker	Plastic, Carbon Steel, and Copper	5	Extrapolated
EHD3015	Eaton / Cutler Hammer	15A C-Series 3-Pole Circuit Breaker	Plastic, Carbon Steel, and Copper	5	Extrapolated
EHD3020	Eaton / Cutler Hammer	20A C-Series 3-Pole Circuit Breaker	Plastic, Carbon Steel, and Copper	5	Extrapolated
EHD3025	Eaton / Cutler Hammer	25A C-Series 3-Pole Circuit Breaker	Plastic, Carbon Steel, and Copper	5	Extrapolated
EHD3030	Eaton / Cutler Hammer	30A C-Series 3-Pole Circuit Breaker	Plastic, Carbon Steel, and Copper	5	Extrapolated
EHD3035	Eaton / Cutler Hammer	35A C-Series 3-Pole Circuit Breaker	Plastic, Carbon Steel, and Copper	5	Extrapolated
EHD3040	Eaton / Cutler Hammer	40A C-Series 3-Pole Circuit Breaker	Plastic, Carbon Steel, and Copper	5	Extrapolated
EHD3045	Eaton / Cutler Hammer	45A C-Series 3-Pole Circuit Breaker	Plastic, Carbon Steel, and Copper	5	Extrapolated
EHD3050	Eaton / Cutler Hammer	50A C-Series 3-Pole Circuit Breaker	Plastic, Carbon Steel, and Copper	5	Extrapolated
EHD3060	Eaton / Cutler Hammer	60A C-Series 3-Pole Circuit Breaker	Plastic, Carbon Steel, and Copper	5	Extrapolated
EHD3070	Eaton / Cutler Hammer	70A C-Series 3-Pole Circuit Breaker	Plastic, Carbon Steel, and Copper	5	Extrapolated
EHD3080	Eaton / Cutler Hammer	80A C-Series 3-Pole Circuit Breaker	Plastic, Carbon Steel, and Copper	5	Extrapolated
EHD3090	Eaton / Cutler Hammer	90A C-Series 3-Pole Circuit Breaker	Plastic, Carbon Steel, and Copper	5	Extrapolated
EHD3100	Eaton / Cutler Hammer	100A C-Series 3-Pole Circuit Breaker  10A C-Series 3-Pole Circuit Breaker	Plastic, Carbon Steel, and Copper	5	Extrapolated
FDB3010 FDB3015	Eaton / Cutler Hammer Eaton / Cutler Hammer	15A C-Series 3-Pole Circuit Breaker	Plastic, Carbon Steel, and Copper Plastic, Carbon Steel, and Copper	5	Extrapolated Extrapolated
FDB3013	Eaton / Cutler Hammer	20A C-Series 3-Pole Circuit Breaker	Plastic, Carbon Steel, and Copper	5	Extrapolated
FDB3025	Eaton / Cutler Hammer	25A C-Series 3-Pole Circuit Breaker	Plastic, Carbon Steel, and Copper	5	Extrapolated
FDB3030	Eaton / Cutler Hammer	30A C-Series 3-Pole Circuit Breaker	Plastic, Carbon Steel, and Copper	5	Extrapolated
FDB3035	Eaton / Cutler Hammer	35A C-Series 3-Pole Circuit Breaker	Plastic, Carbon Steel, and Copper	5	Extrapolated
FDB3040	Eaton / Cutler Hammer	40A C-Series 3-Pole Circuit Breaker	Plastic, Carbon Steel, and Copper	5	Extrapolated
FDB3045	Eaton / Cutler Hammer	45A C-Series 3-Pole Circuit Breaker	Plastic, Carbon Steel, and Copper	5	Extrapolated
FDB3050	Eaton / Cutler Hammer	50A C-Series 3-Pole Circuit Breaker	Plastic, Carbon Steel, and Copper	5	Extrapolated
FDB3060	Eaton / Cutler Hammer	60A C-Series 3-Pole Circuit Breaker	Plastic, Carbon Steel, and Copper	5	Extrapolated
FDB3070	Eaton / Cutler Hammer	70A C-Series 3-Pole Circuit Breaker	Plastic, Carbon Steel, and Copper	5	Extrapolated
FDB3080	Eaton / Cutler Hammer	80A C-Series 3-Pole Circuit Breaker	Plastic, Carbon Steel, and Copper	5	Extrapolated
FDB3090	Eaton / Cutler Hammer	90A C-Series 3-Pole Circuit Breaker	Plastic, Carbon Steel, and Copper	5	Extrapolated
FDB3100	Eaton / Cutler Hammer	100A C-Series 3-Pole Circuit Breaker	Plastic, Carbon Steel, and Copper	5	Extrapolated
FDB3110	Eaton / Cutler Hammer	110A C-Series 3-Pole Circuit Breaker	Plastic, Carbon Steel, and Copper	5	Extrapolated
FDB3125	Eaton / Cutler Hammer	125A C-Series 3-Pole Circuit Breaker	Plastic, Carbon Steel, and Copper	5	Extrapolated
FDB3150	Eaton / Cutler Hammer	150A C-Series 3-Pole Circuit Breaker	Plastic, Carbon Steel, and Copper	5	UUT-01
FD3015 FD3020	Eaton / Cutler Hammer Eaton / Cutler Hammer	15A C-Series 3-Pole Circuit Breaker 20A C-Series 3-Pole Circuit Breaker	Plastic, Carbon Steel, and Copper Plastic, Carbon Steel, and Copper	5	Interpolated Interpolated
FD3025	Eaton / Cutler Hammer Eaton / Cutler Hammer	25A C-Series 3-Pole Circuit Breaker	Plastic, Carbon Steel, and Copper Plastic, Carbon Steel, and Copper	5	Interpolated
FD3025	Eaton / Cutler Hammer	30A C-Series 3-Pole Circuit Breaker	Plastic, Carbon Steel, and Copper Plastic, Carbon Steel, and Copper	5	Interpolated
FD3035	Eaton / Cutler Hammer	35A C-Series 3-Pole Circuit Breaker	Plastic, Carbon Steel, and Copper	5	Interpolated
FD3033	Eaton / Cutler Hammer	40A C-Series 3-Pole Circuit Breaker	Plastic, Carbon Steel, and Copper	5	Interpolated
FD3045	Eaton / Cutler Hammer	45A C-Series 3-Pole Circuit Breaker	Plastic, Carbon Steel, and Copper	5	Interpolated
FD3050	Eaton / Cutler Hammer	50A C-Series 3-Pole Circuit Breaker	Plastic, Carbon Steel, and Copper	5	Interpolated
FD3060	Eaton / Cutler Hammer	60A C-Series 3-Pole Circuit Breaker	Plastic, Carbon Steel, and Copper	5	Interpolated
FD3070	Eaton / Cutler Hammer	70A C-Series 3-Pole Circuit Breaker	Plastic, Carbon Steel, and Copper	5	Interpolated
FD3080	Eaton / Cutler Hammer	80A C-Series 3-Pole Circuit Breaker	Plastic, Carbon Steel, and Copper	5	Interpolated
FD3090	Eaton / Cutler Hammer	90A C-Series 3-Pole Circuit Breaker	Plastic, Carbon Steel, and Copper	5	Interpolated
FD3100	Eaton / Cutler Hammer	100A C-Series 3-Pole Circuit Breaker	Plastic, Carbon Steel, and Copper	5	Interpolated
FD3110	Eaton / Cutler Hammer	110A C-Series 3-Pole Circuit Breaker	Plastic, Carbon Steel, and Copper	5	Interpolated
FD3125	Eaton / Cutler Hammer	125A C-Series 3-Pole Circuit Breaker	Plastic, Carbon Steel, and Copper	5	Interpolated
FD3150	Eaton / Cutler Hammer	150A C-Series 3-Pole Circuit Breaker	Plastic, Carbon Steel, and Copper	5	Interpolated
FD3175	Eaton / Cutler Hammer	175A C-Series 3-Pole Circuit Breaker	Plastic, Carbon Steel, and Copper	5	Interpolated
ED2200	Eaton / Cutler Hammer	200A C-Series 3-Pole Circuit Breaker	Plastic, Carbon Steel, and Copper	5	Interpolated
FD3200 FD3225	Eaton / Cutler Hammer	225A C-Series 3-Pole Circuit Breaker	Plastic, Carbon Steel, and Copper	5	Interpolated

#### Table 5 - Certified Subcomponents - Wall Mounted Units (continued)



DCL Project Number:
Product Type:
Product Line:
Mounting Configuration:
Test Levels: 51577-2001
Uninterruptable Power Supply (UPS)
UPS Maintenance Bypass
Rigid Wall Mounted
SDS = 2.0g, z/h=1.0

Model Number	Manufacturer	Material	Weight (lb)	Unit	
HFD3015	Eaton / Cutler Hammer	15A C-Series 3-Pole Circuit Breaker	Plastic, Carbon Steel, and Copper	5	Interpolated
HFD3020	Eaton / Cutler Hammer	20A C-Series 3-Pole Circuit Breaker	Plastic, Carbon Steel, and Copper	5	Interpolated
HFD3025	Eaton / Cutler Hammer	25A C-Series 3-Pole Circuit Breaker	Plastic, Carbon Steel, and Copper	5	Interpolated
HFD3030	Eaton / Cutler Hammer	30A C-Series 3-Pole Circuit Breaker	Plastic, Carbon Steel, and Copper	5	Interpolated
HFD3035	Eaton / Cutler Hammer	35A C-Series 3-Pole Circuit Breaker	Plastic, Carbon Steel, and Copper	5	Interpolated
HFD3040	Eaton / Cutler Hammer	40A C-Series 3-Pole Circuit Breaker	Plastic, Carbon Steel, and Copper	5	Interpolated
HFD3045	Eaton / Cutler Hammer	45A C-Series 3-Pole Circuit Breaker	Plastic, Carbon Steel, and Copper	5	Interpolated
HFD3050	Eaton / Cutler Hammer	50A C-Series 3-Pole Circuit Breaker	Plastic, Carbon Steel, and Copper	5	Interpolated
HFD3060		60A C-Series 3-Pole Circuit Breaker	Plastic, Carbon Steel, and Copper	5	Interpolated
HFD3070	Eaton / Cutler Hammer	70A C-Series 3-Pole Circuit Breaker	Plastic, Carbon Steel, and Copper	5	Interpolated
	Eaton / Cutler Hammer	80A C-Series 3-Pole Circuit Breaker			
HFD3080	Eaton / Cutler Hammer		Plastic, Carbon Steel, and Copper	5	Interpolate
HFD3090	Eaton / Cutler Hammer	90A C-Series 3-Pole Circuit Breaker	Plastic, Carbon Steel, and Copper	5	Interpolate
HFD3100	Eaton / Cutler Hammer	100A C-Series 3-Pole Circuit Breaker	Plastic, Carbon Steel, and Copper	5	Interpolate
HFD3110	Eaton / Cutler Hammer	110A C-Series 3-Pole Circuit Breaker	Plastic, Carbon Steel, and Copper	5	Interpolated
HFD3125	Eaton / Cutler Hammer	125A C-Series 3-Pole Circuit Breaker	Plastic, Carbon Steel, and Copper	5	Interpolate
HFD3150	Eaton / Cutler Hammer	150A C-Series 3-Pole Circuit Breaker	Plastic, Carbon Steel, and Copper	5	Interpolated
HFD3175	Eaton / Cutler Hammer	175A C-Series 3-Pole Circuit Breaker	Plastic, Carbon Steel, and Copper	5	Interpolate
HFD3200	Eaton / Cutler Hammer	200A C-Series 3-Pole Circuit Breaker	Plastic, Carbon Steel, and Copper	5	Interpolated
HFD3225	Eaton / Cutler Hammer	225A C-Series 3-Pole Circuit Breaker	Plastic, Carbon Steel, and Copper	5	Interpolated
FDE310021	Eaton / Cutler Hammer	40A-100A C-Series 3-Pole Circuit Breaker	Plastic, Carbon Steel, and Copper	5	Interpolate
FDE315021	Eaton / Cutler Hammer	70A-150A C-Series 3-Pole Circuit Breaker	Plastic, Carbon Steel, and Copper	5	Interpolated
FDE322521	Eaton / Cutler Hammer	100A-225A C-Series 3-Pole Circuit Breaker	Plastic, Carbon Steel, and Copper	5	Interpolate
FDE310022	Eaton / Cutler Hammer	40A-100A C-Series 3-Pole Circuit Breaker	Plastic, Carbon Steel, and Copper	5	Interpolate
FDE315022	Eaton / Cutler Hammer	70A-150A C-Series 3-Pole Circuit Breaker	Plastic, Carbon Steel, and Copper	5	Interpolate
FDE322522	Eaton / Cutler Hammer	100A-225A C-Series 3-Pole Circuit Breaker	Plastic, Carbon Steel, and Copper	5	Interpolate
HFDE310021	Eaton / Cutler Hammer	40A-100A C-Series 3-Pole Circuit Breaker	Plastic, Carbon Steel, and Copper	5	Interpolate
HFDE310021	Eaton / Cutler Hammer	70A-150A C-Series 3-Pole Circuit Breaker	Plastic, Carbon Steel, and Copper	5	
					Interpolate
HFDE322521	Eaton / Cutler Hammer	100A-225A C-Series 3-Pole Circuit Breaker	Plastic, Carbon Steel, and Copper	5	Interpolated
HFDE310022	Eaton / Cutler Hammer	40A-100A C-Series 3-Pole Circuit Breaker	Plastic, Carbon Steel, and Copper	5	Interpolate
HFDE315022	Eaton / Cutler Hammer	70A-150A C-Series 3-Pole Circuit Breaker	Plastic, Carbon Steel, and Copper	5	Interpolate
HFDE322522	Eaton / Cutler Hammer	100A-225A C-Series 3-Pole Circuit Breaker	Plastic, Carbon Steel, and Copper	5	Interpolate
FDE308032	Eaton / Cutler Hammer	15A-80A C-Series 3-Pole Circuit Breaker	Plastic, Carbon Steel, and Copper	5	Interpolate
FDE316032	Eaton / Cutler Hammer	60A-160A C-Series 3-Pole Circuit Breaker	Plastic, Carbon Steel, and Copper	5	Interpolate
FDE322532	Eaton / Cutler Hammer	100A-225A C-Series 3-Pole Circuit Breaker	Plastic, Carbon Steel, and Copper	5	Interpolate
FDE308033	Eaton / Cutler Hammer	15A-80A C-Series 3-Pole Circuit Breaker	Plastic, Carbon Steel, and Copper	5	Interpolated
FDE316033	Eaton / Cutler Hammer	60A-160A C-Series 3-Pole Circuit Breaker	Plastic, Carbon Steel, and Copper	5	Interpolate
FDE322533	Eaton / Cutler Hammer	100A-225A C-Series 3-Pole Circuit Breaker	Plastic, Carbon Steel, and Copper	5	Interpolate
FDE308035	Eaton / Cutler Hammer	15A-80A C-Series 3-Pole Circuit Breaker	Plastic, Carbon Steel, and Copper	5	Interpolate
FDE316035	Eaton / Cutler Hammer	60A-160A C-Series 3-Pole Circuit Breaker	Plastic, Carbon Steel, and Copper	5	Interpolated
FDE322535	Eaton / Cutler Hammer	100A-225A C-Series 3-Pole Circuit Breaker	Plastic, Carbon Steel, and Copper	5	Interpolated
FDE308036	Eaton / Cutler Hammer	15A-80A C-Series 3-Pole Circuit Breaker	Plastic, Carbon Steel, and Copper	5	Interpolate
FDE316036	Eaton / Cutler Hammer	60A-160A C-Series 3-Pole Circuit Breaker	Plastic, Carbon Steel, and Copper	5	Interpolate
FDE322536	Eaton / Cutler Hammer	100A-225A C-Series 3-Pole Circuit Breaker	Plastic, Carbon Steel, and Copper	5	Interpolate
HFDE308032	Eaton / Cutler Hammer	15A-80A C-Series 3-Pole Circuit Breaker	Plastic, Carbon Steel, and Copper	5	Interpolate
HFDE316032	Eaton / Cutler Hammer	60A-160A C-Series 3-Pole Circuit Breaker	Plastic, Carbon Steel, and Copper	5	Interpolate
HFDE310032		100A-225A C-Series 3-Pole Circuit Breaker	Plastic, Carbon Steel, and Copper	5	Interpolate
	Eaton / Cutler Hammer	15A-80A C-Series 3-Pole Circuit Breaker			
HFDE308033	Eaton / Cutler Hammer		Plastic, Carbon Steel, and Copper	5	Interpolate
HFDE316033	Eaton / Cutler Hammer	60A-160A C-Series 3-Pole Circuit Breaker	Plastic, Carbon Steel, and Copper	5	Interpolate
HFDE322533	Eaton / Cutler Hammer	100A-225A C-Series 3-Pole Circuit Breaker	Plastic, Carbon Steel, and Copper	5	Interpolate
HFDE308035	Eaton / Cutler Hammer	15A-80A C-Series 3-Pole Circuit Breaker	Plastic, Carbon Steel, and Copper	5	Interpolate
HFDE316035	Eaton / Cutler Hammer	60A-160A C-Series 3-Pole Circuit Breaker	Plastic, Carbon Steel, and Copper	5	Interpolate
HFDE322535	Eaton / Cutler Hammer	100A-225A C-Series 3-Pole Circuit Breaker	Plastic, Carbon Steel, and Copper	5	Interpolate
HFDE308036	Eaton / Cutler Hammer	15A-80A C-Series 3-Pole Circuit Breaker	Plastic, Carbon Steel, and Copper	5	Interpolate
HFDE316036	Eaton / Cutler Hammer	60A-160A C-Series 3-Pole Circuit Breaker	Plastic, Carbon Steel, and Copper	5	Interpolate
HFDE322536	Eaton / Cutler Hammer	100A-225A C-Series 3-Pole Circuit Breaker	Plastic, Carbon Steel, and Copper	5	Interpolate
HKD3400F	Eaton / Cutler Hammer	100A-400A C-Series 3-Pole Circuit Breaker	Plastic, Carbon Steel, and Copper	12	Interpolated
CKD3400F	Eaton / Cutler Hammer	100A-400A C-Series 3-Pole Circuit Breaker	Plastic, Carbon Steel, and Copper	12	Interpolate
CHKD3400F	Eaton / Cutler Hammer	100A-400A C-Series 3-Pole Circuit Breaker	Plastic, Carbon Steel, and Copper	12	Interpolate
	Laton / Cutier nailliller	100A 400A C SCHOS S I OIC CITCUIT DICUNCT	i idatic, carbon atten, and copper	1 14	mici polatei

#### Table 6 - Certified Subcomponents - Base Mounted Units



DCL Project Number:
Product Type:
Product Line:
Mounting Configuration: 51577-2001
Uninterruptable Power Supply (UPS)
UPS Maintenance Bypass
Rigid Base Mounted

Mounting Configuration: Test Levels:	Rigid Base Mounted SDS = 2.0g, z/h=1.0						
			Enclosures				
Model Number	Manufacturer	NEMA Rating	Description	Construction	Dimensions (D x W x H)	Weight (lb)	Unit
90821 Enclosure	C & C Power Inc.	1	12 GA Powdercoated Cold Rolled Steel Enclosure, 16 GA Powdercoated Cold Rolled Steel Cover/ Doors	Welded	33" X 12" X 79"	265	UUT-03, UUT-04
90820 Enclosure	C & C Power Inc.	1	12 GA Powdercoated Cold Rolled Steel Enclosure, 16 GA Powdercoated Cold Rolled Steel Cover/ Doors	Welded	33" X 12" X 79"	296	UUT-05
			Solenoid Key Release Unit			Weight	
Model Number	Manufacturer		Description	Mate		(lb)	Unit
W22IPB-EW-MVDLW-10 ATQR1/4	c3controls Mersen	Push B	utton Illuminated Momentary 22MM 1NO 20V-277V LED  ATQR Series Fuse 1/4A Class CC Time Delay	Plastic, Carbon St Brass and F		< 1 < 1	UUT-03,UUT-05 UUT-03
ATQR1/2	Mersen		ATQR Series Fuse 1/2A Class CC Time Delay  ATQR Series Fuse 1/2A Class CC Time Delay	Brass and F		<1	Interpolated
ATQR1	Mersen		ATQR Series Fuse 1A Class CC Time Delay	Brass and I		<1	UUT-05
ATQR3	Mersen		ATQR Series Fuse 3A Class CC Time Delay	Brass and F		< 1	UUT-03,UUT-05
HPF-RR	Eaton / Bussmann		Fuse Holder 1P 30A 600V Class CC Panel Mount	Plastic ar		< 1	UUT-03,UUT-05
HPS2 KFL003710S	Eaton / Bussmann	Circuit Brooks	Fuse Holder 2P 30A 600V Class CC Panel Mount er Lock (Cylinder Locked in Retracted Position With Key Captive)	Plastic ar Brass and Sta		< 1	UUT-03,UUT-05 UUT-03,UUT-04,UUT-05
KFL0037103 KFL003711S	KIRK KIRK		er Lock (Cylinder Locked in Extended Position With Key Captive)	Brass and Sta		2	UUT-03,UUT-04,UUT-05
SKPM111S	KIRK		olenoid Key Lock (Key Captive Until Power Applied)	Plastic, Brass, and		2	UUT-03,UUT-05
C0050E1B	Eaton / Cutler Hammer		50VA Control Transformer 120V-240V / 24V	Carbon Steel		3	UUT-05
C0050E2B	Eaton / Cutler Hammer		50VA Control Transformer 240V-480V / 24V	Carbon Steel		3	UUT-03
C0050E4W	Eaton / Cutler Hammer		50VA Control Transformer 600V / 24V  Circuit Breaker Accessories	Carbon Steel	and Copper	3	Interpolated
						Weight	
Model Number	Manufacturer		Description	Mate	rial	(lb)	Unit
AUX1A1BPK	Eaton / Cutler Hammer		Auxiliary Switch 1A/1B	Plastic, Carbon St	eel, and Copper	< 1	UUT-05
AUX2A2BPK	Eaton / Cutler Hammer		Auxiliary Switch 2A/2B	Plastic, Carbon St		< 1	UUT-05
SNT120CPK	Eaton / Cutler Hammer	10	Shunt Trip	New Plastic, Carbon St	eel, and Copper	< 1	UUT-05
		1/2//	Busbar			Weight	
Model Number	Manufacturer		Description — — — — — — — — — — — — — — — — — — —	Mate	rial	(lb)	Unit
90821 F BUSWORK	C & C Power Inc.		Circuit Breaker Phase Connection Busbars	Copp	per	27	UUT-03
90821 K BUSWORK	C & C Power Inc.	4	Circuit Breaker Phase Connection Busbars	Сорг		25	UUT-04
90820 LG BUSWORK	C & C Power Inc.	0- /////	Circuit Breaker Phase Connection Busbars	Сорг	oer	28	UUT-05
			Breakers			Mainha	
Model Number	Manufacturer	NO CONTRACTOR OF THE PROPERTY	Description	Mate	rial	Weight (lb)	Unit
ED2015	Eaton / Cutler Hammer	088888	15A C-Series 2-Pole Circuit Breaker	Plastic, Carbon St	eel, and Copper	3	Extrapolated
ED2020	Eaton / Cutler Hammer		20A C-Series 2-Pole Circuit Breaker	Plastic, Carbon St		3	Extrapolated
ED2025	Eaton / Cutler Hammer	VXXXYAX	25A C-Series 2-Pole Circuit Breaker	Plastic, Carbon St		3	Extrapolated
ED2030	Eaton / Cutler Hammer	11/1/1/1/1/1/1/1/1/1/1/1/1/1/1/1/1/1/1/1	30A C-Series 2-Pole Circuit Breaker	Plastic, Carbon St		3	Extrapolated
ED2035	Eaton / Cutler Hammer		35A C-Series 2-Pole Circuit Breaker	Plastic, Carbon St		3	Extrapolated
ED2040	Eaton / Cutler Hammer		40A C-Series 2-Pole Circuit Breaker	Plastic, Carbon St		3	Extrapolated
ED2050 ED2060	Eaton / Cutler Hammer		50A C-Series 2-Pole Circuit Breaker 60A C-Series 2-Pole Circuit Breaker	Plastic, Carbon St Plastic, Carbon St		3	Extrapolated Extrapolated
ED2100	Eaton / Cutler Hammer Eaton / Cutler Hammer		100A C-Series 2-Pole Circuit Breaker	Plastic, Carbon St		3	Extrapolated
ED2125	Eaton / Cutler Hammer		125A C-Series 2-Pole Circuit Breaker	Plastic, Carbon St		3	Extrapolated
ED2150	Eaton / Cutler Hammer		150A C-Series 2-Pole Circuit Breaker	Plastic, Carbon St		3	Extrapolated
ED2175	Eaton / Cutler Hammer		175A C-Series 2-Pole Circuit Breaker	Plastic, Carbon St		3	Extrapolated
ED2200	Eaton / Cutler Hammer		200A C-Series 2-Pole Circuit Breaker	Plastic, Carbon St		3	Extrapolated
ED2225	Eaton / Cutler Hammer	1	225A C-Series 2-Pole Circuit Breaker	Plastic, Carbon St		3	Extrapolated
EDB2100 EDB2125	Eaton / Cutler Hammer Eaton / Cutler Hammer		100A C-Series 2-Pole Circuit Breaker 125A C-Series 2-Pole Circuit Breaker	Plastic, Carbon St Plastic, Carbon St		3	Extrapolated Extrapolated
EDB2123	Eaton / Cutler Hammer		150A C-Series 2-Pole Circuit Breaker	Plastic, Carbon St		3	Extrapolated
EDB2175	Eaton / Cutler Hammer		175A C-Series 2-Pole Circuit Breaker	Plastic, Carbon St		3	Extrapolated
EDB2200	Eaton / Cutler Hammer		200A C-Series 2-Pole Circuit Breaker	Plastic, Carbon St		3	Extrapolated
EDB2225	Eaton / Cutler Hammer		225A C-Series 2-Pole Circuit Breaker	Plastic, Carbon St	eel, and Copper	3	Extrapolated
EHD2010	Eaton / Cutler Hammer		10A C-Series 2-Pole Circuit Breaker	Plastic, Carbon St		3	Extrapolated
EHD2015	Eaton / Cutler Hammer		15A C-Series 2-Pole Circuit Breaker	Plastic, Carbon St		3	Extrapolated
EHD2020	Eaton / Cutler Hammer		20A C-Series 2-Pole Circuit Breaker	Plastic, Carbon St		3	Extrapolated
EHD2025 EHD2030	Eaton / Cutler Hammer Eaton / Cutler Hammer		25A C-Series 2-Pole Circuit Breaker 30A C-Series 2-Pole Circuit Breaker	Plastic, Carbon St Plastic, Carbon St		3	Extrapolated Extrapolated
EHD2035	Eaton / Cutler Hammer		35A C-Series 2-Pole Circuit Breaker	Plastic, Carbon St		3	Extrapolated
EHD2040	Eaton / Cutler Hammer		40A C-Series 2-Pole Circuit Breaker	Plastic, Carbon St		3	Extrapolated
EHD2045	Eaton / Cutler Hammer		45A C-Series 2-Pole Circuit Breaker	Plastic, Carbon St	eel, and Copper	3	Extrapolated
EHD2050	Eaton / Cutler Hammer		50A C-Series 2-Pole Circuit Breaker	Plastic, Carbon St		3	Extrapolated
EHD2060	Eaton / Cutler Hammer		60A C-Series 2-Pole Circuit Breaker	Plastic, Carbon St		3	Extrapolated
EHD2070	Eaton / Cutler Hammer		70A C-Series 2-Pole Circuit Breaker 80A C-Series 2-Pole Circuit Breaker	Plastic, Carbon St		3	Extrapolated
EHD2080 EHD2090	Eaton / Cutler Hammer Eaton / Cutler Hammer		90A C-Series 2-Pole Circuit Breaker	Plastic, Carbon St Plastic, Carbon St		3	Extrapolated Extrapolated
EHD2100	Eaton / Cutler Hammer		100A C-Series 2-Pole Circuit Breaker	Plastic, Carbon St		3	Extrapolated
FDB2010	Eaton / Cutler Hammer		10A C-Series 2-Pole Circuit Breaker	Plastic, Carbon St		3	Extrapolated
FDB2015	Eaton / Cutler Hammer		15A C-Series 2-Pole Circuit Breaker	Plastic, Carbon St	eel, and Copper	3	Extrapolated
FDB2020	Eaton / Cutler Hammer		20A C-Series 2-Pole Circuit Breaker	Plastic, Carbon St		3	Extrapolated
FDB2025	Eaton / Cutler Hammer	1	25A C-Series 2-Pole Circuit Breaker	Plastic, Carbon St		3	Extrapolated
FDB2030	Eaton / Cutler Hammer	1	30A C-Series 2-Pole Circuit Breaker	Plastic, Carbon St		3	Extrapolated
FDB2035 FDB2040	Eaton / Cutler Hammer Eaton / Cutler Hammer	+	35A C-Series 2-Pole Circuit Breaker 40A C-Series 2-Pole Circuit Breaker	Plastic, Carbon St Plastic, Carbon St		3	Extrapolated Extrapolated
FDB2045	Eaton / Cutler Hammer Eaton / Cutler Hammer	1	45A C-Series 2-Pole Circuit Breaker	Plastic, Carbon St		3	Extrapolated
FDB2043 FDB2050	Eaton / Cutler Hammer		50A C-Series 2-Pole Circuit Breaker	Plastic, Carbon St		3	Extrapolated
FDB2060	Eaton / Cutler Hammer		60A C-Series 2-Pole Circuit Breaker	Plastic, Carbon St		3	Extrapolated
FDB2070	Eaton / Cutler Hammer		70A C-Series 2-Pole Circuit Breaker	Plastic, Carbon St	eel, and Copper	3	Extrapolated
FDB2080	Eaton / Cutler Hammer		80A C-Series 2-Pole Circuit Breaker	Plastic, Carbon St		3	Extrapolated
FDB2090	Eaton / Cutler Hammer		90A C-Series 2-Pole Circuit Breaker	Plastic, Carbon St		3	Extrapolated
FDB2100	Eaton / Cutler Hammer	1	100A C-Series 2-Pole Circuit Breaker	Plastic, Carbon St		3	Extrapolated
FDB2110 FDB2125	Eaton / Cutler Hammer Eaton / Cutler Hammer	1	110A C-Series 2-Pole Circuit Breaker 125A C-Series 2-Pole Circuit Breaker	Plastic, Carbon St Plastic, Carbon St		3	Extrapolated Extrapolated
FDB2125 FDB2150	Eaton / Cutler Hammer	+	150A C-Series 2-Pole Circuit Breaker	Plastic, Carbon St		3	UUT-03
FD2015	Eaton / Cutler Hammer		15A C-Series 2-Pole Circuit Breaker	Plastic, Carbon St		3	Interpolated
	, ,		** *	,			

#### Table 6 - Certified Subcomponents - Base Mounted Units (continued)



51577-2001
Uninterruptable Power Supply (UPS)
UPS Maintenance Bypass
Rigid Base Mounted
SDS = 2.0g, z/h=1.0 DCL Project Number:
Product Type:
Product Line:
Mounting Configuration:
Test Levels:

Test Levels:	SDS = 2.0g, z/h=1.0	Deschare			
		Breakers		Weight	
Model Number	Manufacturer	Description	Material	(lb)	Unit
FD2020	Eaton / Cutler Hammer	20A C-Series 2-Pole Circuit Breaker	Plastic, Carbon Steel, and Copper	3	Interpolated
FD2025	Eaton / Cutler Hammer	25A C-Series 2-Pole Circuit Breaker	Plastic, Carbon Steel, and Copper	3	Interpolated
FD2030	Eaton / Cutler Hammer	30A C-Series 2-Pole Circuit Breaker	Plastic, Carbon Steel, and Copper	3	Interpolated
FD2035	Eaton / Cutler Hammer	35A C-Series 2-Pole Circuit Breaker	Plastic, Carbon Steel, and Copper	3	Interpolated
FD2040 FD2045	Eaton / Cutler Hammer	40A C-Series 2-Pole Circuit Breaker 45A C-Series 2-Pole Circuit Breaker	Plastic, Carbon Steel, and Copper Plastic, Carbon Steel, and Copper	3	Interpolated
FD2045 FD2050	Eaton / Cutler Hammer Eaton / Cutler Hammer	50A C-Series 2-Pole Circuit Breaker	Plastic, Carbon Steel, and Copper	3	Interpolated Interpolated
FD2060	Eaton / Cutler Hammer	60A C-Series 2-Pole Circuit Breaker	Plastic, Carbon Steel, and Copper	3	Interpolated
FD2070	Eaton / Cutler Hammer	70A C-Series 2-Pole Circuit Breaker	Plastic, Carbon Steel, and Copper	3	Interpolated
FD2080	Eaton / Cutler Hammer	80A C-Series 2-Pole Circuit Breaker	Plastic, Carbon Steel, and Copper	3	Interpolated
FD2090	Eaton / Cutler Hammer	90A C-Series 2-Pole Circuit Breaker	Plastic, Carbon Steel, and Copper	3	Interpolated
FD2100	Eaton / Cutler Hammer	100A C-Series 2-Pole Circuit Breaker	Plastic, Carbon Steel, and Copper	3	Interpolated
FD2110	Eaton / Cutler Hammer	110A C-Series 2-Pole Circuit Breaker	Plastic, Carbon Steel, and Copper	3	Interpolated
FD2125	Eaton / Cutler Hammer	125A C-Series 2-Pole Circuit Breaker 150A C-Series 2-Pole Circuit Breaker	Plastic, Carbon Steel, and Copper Plastic, Carbon Steel, and Copper	3	Interpolated
FD2150 FD2175	Eaton / Cutler Hammer Eaton / Cutler Hammer	175A C-Series 2-Pole Circuit Breaker	Plastic, Carbon Steel, and Copper	3	Interpolated Interpolated
FD2200	Eaton / Cutler Hammer	200A C-Series 2-Pole Circuit Breaker	Plastic, Carbon Steel, and Copper	3	Interpolated
FD2225	Eaton / Cutler Hammer	225A C-Series 2-Pole Circuit Breaker	Plastic, Carbon Steel, and Copper	3	Interpolated
ED3015	Eaton / Cutler Hammer	15A C-Series 3-Pole Circuit Breaker	Plastic, Carbon Steel, and Copper	5	Interpolated
ED3020	Eaton / Cutler Hammer	20A C-Series 3-Pole Circuit Breaker	Plastic, Carbon Steel, and Copper	5	Interpolated
ED3025	Eaton / Cutler Hammer	25A C-Series 3-Pole Circuit Breaker	Plastic, Carbon Steel, and Copper	5	Interpolated
ED3030	Eaton / Cutler Hammer	30A C-Series 3-Pole Circuit Breaker	Plastic, Carbon Steel, and Copper	5	Interpolated
ED3035	Eaton / Cutler Hammer	35A C-Series 3-Pole Circuit Breaker	Plastic, Carbon Steel, and Copper	5	Interpolated
ED3040	Eaton / Cutler Hammer	40A C-Series 3-Pole Circuit Breaker 50A C-Series 3-Pole Circuit Breaker	Plastic, Carbon Steel, and Copper	5	Interpolated
ED3050	Eaton / Cutler Hammer	60A C-Series 3-Pole Circuit Breaker	Plastic, Carbon Steel, and Copper Plastic, Carbon Steel, and Copper		Interpolated
ED3060 ED3100	Eaton / Cutler Hammer Eaton / Cutler Hammer	100A C-Series 3-Pole Circuit Breaker	Plastic, Carbon Steel, and Copper Plastic, Carbon Steel, and Copper	5	Interpolated Interpolated
ED3100	Eaton / Cutler Hammer	125A C-Series 3-Pole Circuit Breaker	Plastic, Carbon Steel, and Copper	5	Interpolated
ED3150	Eaton / Cutler Hammer	150A C-Series 3-Pole Circuit Breaker	Plastic, Carbon Steel, and Copper	5	Interpolated
ED3175	Eaton / Cutler Hammer	175A C-Series 3-Pole Circuit Breaker	Plastic, Carbon Steel, and Copper	5	Interpolated
ED3200	Eaton / Cutler Hammer	200A C-Series 3-Pole Circuit Breaker	Plastic, Carbon Steel, and Copper	5	Interpolated
ED3225	Eaton / Cutler Hammer	225A C-Series 3-Pole Circuit Breaker	Plastic, Carbon Steel, and Copper	5	Interpolated
EDB3100	Eaton / Cutler Hammer	100A C-Series 3-Pole Circuit Breaker	Plastic, Carbon Steel, and Copper	5	Interpolated
EDB3125	Eaton / Cutler Hammer	125A C-Series 3-Pole Circuit Breaker 150A C-Series 3-Pole Circuit Breaker	Plastic, Carbon Steel, and Copper	5	Interpolated
EDB3150 EDB3175	Eaton / Cutler Hammer	150A C-Series 3-Pole Circuit Breaker  175A C-Series 3-Pole Circuit Breaker	Plastic, Carbon Steel, and Copper Plastic, Carbon Steel, and Copper	5	Interpolated
EDB3175 EDB3200	Eaton / Cutler Hammer Eaton / Cutler Hammer	200A C-Series 3-Pole Circuit Breaker	Plastic, Carbon Steel, and Copper	5	Interpolated Interpolated
EDB3200	Eaton / Cutler Hammer	225A C-Series 3-Pole Circuit Breaker	Plastic, Carbon Steel, and Copper	5	Interpolated
EHD3010	Eaton / Cutler Hammer	10A C-Series 3-Pole Circuit Breaker	Plastic, Carbon Steel, and Copper	5	Interpolated
EHD3015	Eaton / Cutler Hammer	15A C-Series 3-Pole Circuit Breaker	Plastic, Carbon Steel, and Copper	5	Interpolated
EHD3020	Eaton / Cutler Hammer	20A C-Series 3-Pole Circuit Breaker	Plastic, Carbon Steel, and Copper	5	Interpolated
EHD3025	Eaton / Cutler Hammer	25A C-Series 3-Pole Circuit Breaker	Plastic, Carbon Steel, and Copper	5	Interpolated
EHD3030	Eaton / Cutler Hammer	30A C-Series 3-Pole Circuit Breaker	Plastic, Carbon Steel, and Copper	5	Interpolated
EHD3035	Eaton / Cutler Hammer	35A C-Series 3-Pole Circuit Breaker	Plastic, Carbon Steel, and Copper	5	Interpolated
EHD3040 EHD3045	Eaton / Cutler Hammer Eaton / Cutler Hammer	40A C-Series 3-Pole Circuit Breaker 45A C-Series 3-Pole Circuit Breaker	Plastic, Carbon Steel, and Copper Plastic, Carbon Steel, and Copper	5	Interpolated Interpolated
EHD3050	Eaton / Cutler Hammer	50A C-Series 3-Pole Circuit Breaker	Plastic, Carbon Steel, and Copper	5	Interpolated
EHD3060	Eaton / Cutler Hammer	60A C-Series 3-Pole Circuit Breaker	Plastic, Carbon Steel, and Copper	5	Interpolated
EHD3070	Eaton / Cutler Hammer	70A C-Series 3-Pole Circuit Breaker	Plastic, Carbon Steel, and Copper	5	Interpolated
EHD3080	Eaton / Cutler Hammer	80A C-Series 3-Pole Circuit Breaker	Plastic, Carbon Steel, and Copper	5	Interpolated
EHD3090	Eaton / Cutler Hammer	90A C-Series 3-Pole Circuit Breaker	Plastic, Carbon Steel, and Copper	5	Interpolated
EHD3100	Eaton / Cutler Hammer	100A C-Series 3-Pole Circuit Breaker	Plastic, Carbon Steel, and Copper	5	Interpolated
FDB3010	Eaton / Cutler Hammer	10A C-Series 3-Pole Circuit Breaker  15A C-Series 3-Pole Circuit Breaker	Plastic, Carbon Steel, and Copper	5	Interpolated
FDB3015 FDB3020	Eaton / Cutler Hammer Eaton / Cutler Hammer	20A C-Series 3-Pole Circuit Breaker	Plastic, Carbon Steel, and Copper Plastic, Carbon Steel, and Copper	5	Interpolated Interpolated
FDB3025	Eaton / Cutler Hammer	25A C-Series 3-Pole Circuit Breaker	Plastic, Carbon Steel, and Copper	5	Interpolated
FDB3030	Eaton / Cutler Hammer	30A C-Series 3-Pole Circuit Breaker	Plastic, Carbon Steel, and Copper	5	Interpolated
FDB3035	Eaton / Cutler Hammer	35A C-Series 3-Pole Circuit Breaker	Plastic, Carbon Steel, and Copper	5	Interpolated
FDB3040	Eaton / Cutler Hammer	40A C-Series 3-Pole Circuit Breaker	Plastic, Carbon Steel, and Copper	5	Interpolated
FDB3045	Eaton / Cutler Hammer	45A C-Series 3-Pole Circuit Breaker	Plastic, Carbon Steel, and Copper	5	Interpolated
FDB3050	Eaton / Cutler Hammer	50A C-Series 3-Pole Circuit Breaker	Plastic, Carbon Steel, and Copper	5	Interpolated
FDB3060	Eaton / Cutler Hammer	60A C-Series 3-Pole Circuit Breaker	Plastic, Carbon Steel, and Copper	5	Interpolated
FDB3070 FDB3080	Eaton / Cutler Hammer Eaton / Cutler Hammer	70A C-Series 3-Pole Circuit Breaker  80A C-Series 3-Pole Circuit Breaker	Plastic, Carbon Steel, and Copper Plastic, Carbon Steel, and Copper	5	Interpolated Interpolated
FDB3080 FDB3090	Eaton / Cutler Hammer	90A C-Series 3-Pole Circuit Breaker	Plastic, Carbon Steel, and Copper	5	Interpolated
FDB3100	Eaton / Cutler Hammer	100A C-Series 3-Pole Circuit Breaker	Plastic, Carbon Steel, and Copper	5	Interpolated
FDB3110	Eaton / Cutler Hammer	110A C-Series 3-Pole Circuit Breaker	Plastic, Carbon Steel, and Copper	5	Interpolated
FDB3125	Eaton / Cutler Hammer	125A C-Series 3-Pole Circuit Breaker	Plastic, Carbon Steel, and Copper	5	Interpolated
FDB3150	Eaton / Cutler Hammer	150A C-Series 3-Pole Circuit Breaker	Plastic, Carbon Steel, and Copper	5	Interpolated
FD3015	Eaton / Cutler Hammer	15A C-Series 3-Pole Circuit Breaker	Plastic, Carbon Steel, and Copper	5	Interpolated
FD3020	Eaton / Cutler Hammer	20A C-Series 3-Pole Circuit Breaker	Plastic, Carbon Steel, and Copper	5	Interpolated
FD3025 FD3030	Eaton / Cutler Hammer Eaton / Cutler Hammer	25A C-Series 3-Pole Circuit Breaker 30A C-Series 3-Pole Circuit Breaker	Plastic, Carbon Steel, and Copper Plastic, Carbon Steel, and Copper	5	Interpolated Interpolated
FD3035	Eaton / Cutler Hammer	35A C-Series 3-Pole Circuit Breaker	Plastic, Carbon Steel, and Copper	5	Interpolated
FD3040	Eaton / Cutler Hammer	40A C-Series 3-Pole Circuit Breaker	Plastic, Carbon Steel, and Copper	5	Interpolated
FD3045	Eaton / Cutler Hammer	45A C-Series 3-Pole Circuit Breaker	Plastic, Carbon Steel, and Copper	5	Interpolated
FD3050	Eaton / Cutler Hammer	50A C-Series 3-Pole Circuit Breaker	Plastic, Carbon Steel, and Copper	5	Interpolated
FD3060	Eaton / Cutler Hammer	60A C-Series 3-Pole Circuit Breaker	Plastic, Carbon Steel, and Copper	5	Interpolated
FD3070	Eaton / Cutler Hammer	70A C-Series 3-Pole Circuit Breaker	Plastic, Carbon Steel, and Copper	5	Interpolated
FD3080	Eaton / Cutler Hammer	80A C-Series 3-Pole Circuit Breaker	Plastic, Carbon Steel, and Copper	5	Interpolated
FD3090	Eaton / Cutler Hammer	90A C-Series 3-Pole Circuit Breaker	Plastic, Carbon Steel, and Copper	5	Interpolated
FD3100	Eaton / Cutler Hammer	100A C-Series 3-Pole Circuit Breaker 110A C-Series 3-Pole Circuit Breaker	Plastic, Carbon Steel, and Copper	5	Interpolated
			Plastic, Carbon Steel, and Copper	5	Interpolated
FD3110	Eaton / Cutler Hammer				Interpolated
FD3110 FD3125	Eaton / Cutler Hammer	125A C-Series 3-Pole Circuit Breaker	Plastic, Carbon Steel, and Copper	5	Interpolated Interpolated
FD3110				5 5 5	Interpolated Interpolated Interpolated

#### Table 6 - Certified Subcomponents - Base Mounted Units (continued)



DCL Project Number:
Product Type:
Product Line:
Mounting Configuration:
Test Levels: 51577-2001 Uninterruptable Power Supply (UPS) UPS Maintenance Bypass Rigid Base Mounted SDS = 2.0g, z/h=1.0

t Levels:	SDS = 2.0g, z/h=1.0				
Model Number	Manufacturer	Breakers  Description	Material	Weight (lb)	Unit
FD3225	Eaton / Cutler Hammer	225A C-Series 3-Pole Circuit Breaker	Plastic, Carbon Steel, and Copper	5	Interpolated
HFD3015	Eaton / Cutler Hammer	15A C-Series 3-Pole Circuit Breaker	Plastic, Carbon Steel, and Copper	5	Interpolated
HFD3020	Eaton / Cutler Hammer	20A C-Series 3-Pole Circuit Breaker	Plastic, Carbon Steel, and Copper	5	Interpolated
HFD3025	Eaton / Cutler Hammer	25A C-Series 3-Pole Circuit Breaker	Plastic, Carbon Steel, and Copper	5	Interpolated
HFD3030	Eaton / Cutler Hammer	30A C-Series 3-Pole Circuit Breaker	Plastic, Carbon Steel, and Copper	5	Interpolated
HFD3035	Eaton / Cutler Hammer	35A C-Series 3-Pole Circuit Breaker	Plastic, Carbon Steel, and Copper	5	Interpolated
HFD3040	Eaton / Cutler Hammer	40A C-Series 3-Pole Circuit Breaker	Plastic, Carbon Steel, and Copper	5	Interpolated
HFD3045	Eaton / Cutler Hammer	45A C-Series 3-Pole Circuit Breaker	Plastic, Carbon Steel, and Copper	5	Interpolated
HFD3050 HFD3060	Eaton / Cutler Hammer Eaton / Cutler Hammer	50A C-Series 3-Pole Circuit Breaker 60A C-Series 3-Pole Circuit Breaker	Plastic, Carbon Steel, and Copper Plastic, Carbon Steel, and Copper	5	Interpolated Interpolated
HFD3070	Eaton / Cutler Hammer	70A C-Series 3-Pole Circuit Breaker	Plastic, Carbon Steel, and Copper	5	Interpolated
HFD3080	Eaton / Cutler Hammer	80A C-Series 3-Pole Circuit Breaker	Plastic, Carbon Steel, and Copper	5	Interpolated
HFD3090	Eaton / Cutler Hammer	90A C-Series 3-Pole Circuit Breaker	Plastic, Carbon Steel, and Copper	5	Interpolated
HFD3100	Eaton / Cutler Hammer	100A C-Series 3-Pole Circuit Breaker	Plastic, Carbon Steel, and Copper	5	Interpolated
HFD3110	Eaton / Cutler Hammer	110A C-Series 3-Pole Circuit Breaker	Plastic, Carbon Steel, and Copper	5	Interpolated
HFD3125	Eaton / Cutler Hammer	125A C-Series 3-Pole Circuit Breaker	Plastic, Carbon Steel, and Copper	5	Interpolated
HFD3150	Eaton / Cutler Hammer	150A C-Series 3-Pole Circuit Breaker	Plastic, Carbon Steel, and Copper	5	Interpolated
HFD3175	Eaton / Cutler Hammer	175A C-Series 3-Pole Circuit Breaker	Plastic, Carbon Steel, and Copper	5	Interpolated
HFD3200	Eaton / Cutler Hammer	200A C-Series 3-Pole Circuit Breaker	Plastic, Carbon Steel, and Copper	5	Interpolated
HFD3225	Eaton / Cutler Hammer	225A C-Series 3-Pole Circuit Breaker	Plastic, Carbon Steel, and Copper	5	Interpolated
FDE310021	Eaton / Cutler Hammer	40A-100A C-Series 3-Pole Circuit Breaker	Plastic, Carbon Steel, and Copper	5	Interpolated
FDE315021	Eaton / Cutler Hammer	70A-150A C-Series 3-Pole Circuit Breaker	Plastic, Carbon Steel, and Copper	5	Interpolated
FDE322521	Eaton / Cutler Hammer	100A-225A C-Series 3-Pole Circuit Breaker	Plastic, Carbon Steel, and Copper	5	Interpolated
FDE310022	Eaton / Cutler Hammer	40A-100A C-Series 3-Pole Circuit Breaker	Plastic, Carbon Steel, and Copper	5	Interpolated
FDE315022	Eaton / Cutler Hammer	70A-150A C-Series 3-Pole Circuit Breaker	Plastic, Carbon Steel, and Copper	5	Interpolated
FDE322522	Eaton / Cutler Hammer	100A-225A C-Series 3-Pole Circuit Breaker	Plastic, Carbon Steel, and Copper	5	Interpolated
HFDE310021	Eaton / Cutler Hammer	40A-100A C-Series 3-Pole Circuit Breaker	Plastic, Carbon Steel, and Copper	5	Interpolated
HFDE315021	Eaton / Cutler Hammer	70A-150A C-Series 3-Pole Circuit Breaker	Plastic, Carbon Steel, and Copper	5	Interpolated
HFDE322521 HFDE310022	Eaton / Cutler Hammer	100A-225A C-Series 3-Pole Circuit Breaker 40A-100A C-Series 3-Pole Circuit Breaker	Plastic, Carbon Steel, and Copper Plastic, Carbon Steel, and Copper	5	Interpolated Interpolated
HFDE310022	Eaton / Cutler Hammer	70A-150A C-Series 3-Pole Circuit Breaker	Plastic, Carbon Steel, and Copper Plastic, Carbon Steel, and Copper	5	Interpolated
HFDE322522	Eaton / Cutler Hammer Eaton / Cutler Hammer	100A-225A C-Series 3-Pole Circuit Breaker	Plastic, Carbon Steel, and Copper	5	Interpolated
FDE308032	Eaton / Cutler Hammer	15A-80A C-Series 3-Pole Circuit Breaker	Plastic, Carbon Steel, and Copper	5	Interpolated
FDE316032	Eaton / Cutler Hammer	60A-160A C-Series 3-Pole Circuit Breaker	Plastic, Carbon Steel, and Copper	5	Interpolated
FDE322532	Eaton / Cutler Hammer	100A-225A C-Series 3-Pole Circuit Breaker	Plastic, Carbon Steel, and Copper	5	Interpolated
FDE308033	Eaton / Cutler Hammer	15A-80A C-Series 3-Pole Circuit Breaker	Plastic, Carbon Steel, and Copper	5	Interpolated
FDE316033	Eaton / Cutler Hammer	60A-160A C-Series 3-Pole Circuit Breaker	Plastic, Carbon Steel, and Copper	5	Interpolated
FDE322533	Eaton / Cutler Hammer	100A-225A C-Series 3-Pole Circuit Breaker	Plastic, Carbon Steel, and Copper	5	Interpolated
FDE308035	Eaton / Cutler Hammer	15A-80A C-Series 3-Pole Circuit Breaker	Plastic, Carbon Steel, and Copper	5	Interpolated
FDE316035	Eaton / Cutler Hammer	60A-160A C-Series 3-Pole Circuit Breaker	Plastic, Carbon Steel, and Copper	5	Interpolated
FDE322535	Eaton / Cutler Hammer	100A-225A C-Series 3-Pole Circuit Breaker	Plastic, Carbon Steel, and Copper	5	Interpolated
FDE308036	Eaton / Cutler Hammer	15A-80A C-Series 3-Pole Circuit Breaker	Plastic, Carbon Steel, and Copper	5	Interpolated
FDE316036	Eaton / Cutler Hammer	60A-160A C-Series 3-Pole Circuit Breaker	Plastic, Carbon Steel, and Copper	5	Interpolated
FDE322536	Eaton / Cutler Hammer	100A-225A C-Series 3-Pole Circuit Breaker	Plastic, Carbon Steel, and Copper	5	Interpolated
HFDE308032	Eaton / Cutler Hammer	15A-80A C-Series 3-Pole Circuit Breaker	Plastic, Carbon Steel, and Copper	5	Interpolated
HFDE316032	Eaton / Cutler Hammer	60A-160A C-Series 3-Pole Circuit Breaker	Plastic, Carbon Steel, and Copper	5	Interpolated
HFDE322532	Eaton / Cutler Hammer	100A-225A C-Series 3-Pole Circuit Breaker	Plastic, Carbon Steel, and Copper	5	Interpolated
HFDE308033	Eaton / Cutler Hammer	15A-80A C-Series 3-Pole Circuit Breaker 60A-160A C-Series 3-Pole Circuit Breaker	Plastic, Carbon Steel, and Copper	5	Interpolated
HFDE316033 HFDE322533	Eaton / Cutler Hammer	100A-225A C-Series 3-Pole Circuit Breaker	Plastic, Carbon Steel, and Copper Plastic, Carbon Steel, and Copper	5	Interpolated
HFDE322533 HFDE308035	Eaton / Cutler Hammer Eaton / Cutler Hammer	15A-80A C-Series 3-Pole Circuit Breaker	Plastic, Carbon Steel, and Copper Plastic, Carbon Steel, and Copper	5	Interpolated Interpolated
HFDE308035 HFDE316035	Eaton / Cutler Hammer  Eaton / Cutler Hammer	60A-160A C-Series 3-Pole Circuit Breaker	Plastic, Carbon Steel, and Copper Plastic, Carbon Steel, and Copper	5	Interpolated
HFDE316035	Eaton / Cutler Hammer	100A-225A C-Series 3-Pole Circuit Breaker	Plastic, Carbon Steel, and Copper	5	Interpolated
HFDE322333	Eaton / Cutler Hammer	15A-80A C-Series 3-Pole Circuit Breaker	Plastic, Carbon Steel, and Copper	5	Interpolated
HFDE316036	Eaton / Cutler Hammer	60A-160A C-Series 3-Pole Circuit Breaker	Plastic, Carbon Steel, and Copper	5	Interpolated
HFDE322536	Eaton / Cutler Hammer	100A-225A C-Series 3-Pole Circuit Breaker	Plastic, Carbon Steel, and Copper	5	Interpolated
KD3400F	Eaton / Cutler Hammer	100A-400A C-Series 3-Pole Circuit Breaker	Plastic, Carbon Steel, and Copper	12	UUT-04
HKD3400F	Eaton / Cutler Hammer	100A-400A C-Series 3-Pole Circuit Breaker	Plastic, Carbon Steel, and Copper	12	Interpolated
CKD3400F	Eaton / Cutler Hammer	100A-400A C-Series 3-Pole Circuit Breaker	Plastic, Carbon Steel, and Copper	12	Interpolated
CHKD3400F	Eaton / Cutler Hammer	100A-400A C-Series 3-Pole Circuit Breaker	Plastic, Carbon Steel, and Copper	12	Interpolated
LGS3630NN	Eaton / Cutler Hammer	250A-600A G-SERIES 3-Pole Circuit Breaker	Plastic, Carbon Steel, and Copper	16	Interpolated
LGH3630NN	Eaton / Cutler Hammer	250A-600A G-SERIES 3-Pole Circuit Breaker	Plastic, Carbon Steel, and Copper	16	Interpolated
LGE3630NNWC	Eaton / Cutler Hammer	250A-600A G-SERIES 3-Pole Circuit Breaker	Plastic, Carbon Steel, and Copper	16	Interpolated
LGS3630NNWC	Eaton / Cutler Hammer	250A-600A G-SERIES 3-Pole Circuit Breaker	Plastic, Carbon Steel, and Copper	16	Interpolated
LGH3630NNWC	Eaton / Cutler Hammer	250A-600A G-SERIES 3-Pole Circuit Breaker	Plastic, Carbon Steel, and Copper	16	Interpolated
LGE3630NN	Eaton / Cutler Hammer	250A-600A G-SERIES 3-Pole Circuit Breaker	Plastic, Carbon Steel, and Copper	16	UUT-05

#### Table 7 - Tested Units

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CERTIFICATION

LABORATORIES.LLC

DCL Project Number: 51577-2001

Manufacturer: C & C Power, Inc.

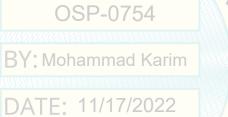
Product Type: Uninterruptable Power Supply (UPS)

Product Line: UPS Maintenance Bypass

Mounting Configuration: Rigid Wall Mounted and Rigid Base Mounted

**Test Levels:** SDS = 2.0g, z/h=1.0

1.000 -0.00	223 2.06, 2, 2					
Model Number		Dimensions (in)		Weight	Mounting	Unit
Woder Number	Depth	Width	Height	(lb)	Widunting	Offic
90880-C483314ECA150A15042MB	10.0	30.0	36.0	130	Rigid Wall	UUT-01
90881-C208365ECA400A40044MB	11.0	30.0	42.0	176	Rigid Wall	UUT-02
90821-C483314ECA150A15042BT	33.0	12.0	79.0	350	Rigid Base	UUT-03
90821-C483335ECA400A40002BT	33.0	12.0	79.0	350	Rigid Base	UUT-04
90820-C208365EGA600A60044BT	33.0	18.0	79.0	420	Rigid Base	UUT-05



# UUT-01 DCL Test Report 51577-2001 UNIT UNDER TEST (UUT) Summary Sheet



DCL Project Number: 51577-2001

Manufacturer: C & C Power, Inc.

**Product Line:** UPS Maintenance Bypass

Model Number: 90880-C483314ECA150A15042MB

# **Product Construction Summary:**Riveted Carbon Steel, NEMA 1

#### Options / Component Summary:

C & C Power Inc. Enclosures, Eaton / Cutler Hammer Circuit Breakers, C & C Power Inc. Busbars, c3Controls Push Button, Mersen Fuses, Eaton / Bussmann Fuse Holder, KIRK Circuit Breaker Lock, KIRK Solenoid Key Lock, Eaton / Cutler Hammer Control Transformers

Note: The UUT was operational before and after shaking and was full of operating content during the tests. The structural integrity of the component attachment system and force-resisting systems was maintained.

			דטט	Properti	es	0.		
Operating Weight(lb)		Dimensio	ns (inche	Lowest Natural Frequency (Hz)				
	Depth	Wic	lth	10.77 (XV) H	eight	Front-Back	Side-Side	Vertical
130	10.0	30	30.0			5.0 N/A	N/A	N/A
	18/	W.	Seismic 1	est Para	meters	m		
Building Code	Test <mark>Criteri</mark> a	Sds (g)	z/h	lp	Aflx-H (g)	Arig-H (g)	Aflx-V (g)	Arig-V (g)
CBC 2022	ICC-ES AC156	2.00	VIq <u>l</u> gar	nm <u>.</u> ad	Ka.201	2.40	1.34	0.54

#### **Unit Mounting Description:**

UUT-01 was mounted to the shake table interface frame at the 4 corners utilizing 3/8-inch grade 5 bolts, washers, 1/4-inch thick plate washers, and channel nuts.



Overall view of UUT-01

# DCL Test Report 51577-2001





DCL Project Number: 51577-2001

**Manufacturer:** C & C Power, Inc.

**Product Line:** UPS Maintenance Bypass

Model Number: 90881-C208365ECA400A40044MB

Product Construction Summary:

Riveted Carbon Steel, NEMA 1

#### Options / Component Summary:

C & C Power Inc. Enclosures, Eaton / Cutler Hammer Circuit Breakers, Eaton / Cutler Hammer Auxiliary Switch, Eaton / Cutler Hammer Shunt Trip, C & C Power Inc. Busbars, c3Controls Push Button, Mersen Fuses, Eaton / Bussmann Fuse Holder, KIRK Circuit Breaker Lock, KIRK Solenoid Key Lock, Eaton / Cutler Hammer Control Transformer

Note: The UUT was operational before and after shaking and was full of operating content during the tests. The structural integrity of the component attachment system and force-resisting systems was maintained.

		7	UU	T Properti	es			
Operating Weight (lb)		Dimensio	ns (inche	Lowest Natural Frequency (Hz)				
	Depth	Wid	lth C	D 074	eight	Front-Back	Side-Side	Vertical
176	11.0	30.0		-073	42.0	N/A	N/A	N/A
			Seismic	Test Parai	meters			
Building Code	Test <mark>Criteri</mark> a	Sds (g)	Mahai	nmpad	Aflx-H (g)	Arig-H (g)	Aflx-V (g)	Arig-V (g)
CBC 2022	ICC-ES AC156	2.00	1.0	1.5	3.20	2.40	1.34	0.54

#### Unit Mounting Description:

UUT-02 was mounted to the shake table interface frame at the 4 corners utilizing 3/8-inch grade 5 bolts, washers, 1/4-inch thick plate washers, and channel nuts.



Overall view of UUT-02

# DCL Test Report 51577-2001 (( UNIT UNDER TEST (UUT) Summary Sheet



DCL Project Number: 51577-2001

**Manufacturer:** C & C Power, Inc.

**Product Line:** UPS Maintenance Bypass

Model Number: 90821-C483314ECA150A15042BT

#### **Product Construction Summary:**

Welded Carbon Steel, NEMA 1

#### Options / Component Summary:

C & C Power Inc. Enclosures, Eaton / Cutler Hammer Circuit Breakers, c3Controls Push Button, Mersen Fuses, Eaton / Bussmann Fuse Holder, KIRK Circuit Breaker Lock, KIRK Solenoid Key Lock, Eaton / Cutler Hammer Control Transformer, C & C Power Inc. Busbars

Note: The UUT was operational before and after shaking and was full of operating content during the tests. The structural integrity of the component attachment system and force-resisting systems was maintained.

		(05)	UUT	r Properti	es			
Operating Weight	/.5	Dimensio	ns (inche	Lowest Natural Frequency (Hz)				
(lb)	Depth	Wic	dth	MAX (XXX)	eight	Front-Back	Side-Side	Vertical
350	33.0	12.0		0.77	79.0	8.0	14.0	>33.3
	18/		Seismic '	Test Parai	neters	m		
Building Code	Test <mark>Criteri</mark> a	Sds (g)	z/h	lp	Aflx-H (g)	Arig <mark>-H (g)</mark>	Aflx-V (g)	Arig-V (g)
CBC 2022	ICC-E <mark>S AC15</mark> 6	2.00	Malaar	n ma.a d	Kanon	2.40	1.34	0.54

#### Unit Mounting Description:

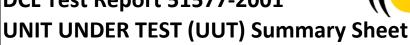
UUT-03 was mounted on manufacturer provided stand (part number 49862A) using (4) 3/8" Grade 8 bolts, washers, and split washers. The provided stand was mounted to the shake table interface plate with (4) 1/2" Grade 5 bolts, washers, 1/4-inch thick plate washers.

The shake table interface plate was mounted to the shake table using M12 threaded rod spaced roughly 12" on center.



Overall view of UUT-03

# **DCL Test Report 51577-2001**





**DCL Project Number:** 51577-2001

Manufacturer: C & C Power, Inc.

Product Line: **UPS Maintenance Bypass** 

Model Number: 90821-C483335ECA400A40002BT

Product Construction Summary:

Welded Carbon Steel, NEMA 1

#### Options / Component Summary:

C & C Power Inc. Enclosures, Eaton / Cutler Hammer Circuit Breakers, KIRK Circuit Breaker Lock, C & C Power Inc. Busbars

Note: The UUT was operational before and after shaking and was full of operating content during the tests. The structural integrity of the component attachment system and force-resisting systems was maintained.

		(O.S.	UUT	Propertion	es			
Operating Weight	/.5	Dimensi	ons (inche	Lowest Natural Frequency (Hz)				
(lb)	Depth	Wi	dth	W// <sub>///</sub> H	eight	Front-Back	Side-Side	Vertical
350	33.0	12.0		0.7/	79.0	6.0	16.0	>33.3
	8	$\langle \rangle$	Seismic T	Test Parai	neters			
Building Code	Test <mark>Criteri</mark> a	Sds (g)	z/h	lp	Aflx-H (g)	Arig-H (g)	Aflx-V (g)	Arig-V (g)
CBC 2022	ICC-E <mark>S AC15</mark> 6	2.00	Maloar	n ma.a d	Kan201	2.40	1.34	0.54

#### **Unit Mounting Description:**

UUT-04 was mounted on manufacturer provided stand (part number 49862A) using (4) 3/8" Grade 8 bolts, washers, and split washers. The provided stand was mounted to the shake table interface plate with (4) 1/2" Grade 5 bolts, washers, 1/4inch thick plate washers.

The shake table interface plate was mounted to the shake table using M12 threaded rod spaced roughly 12" on center.



Overall view of UUT-04

# DCL Test Report 51577-2001 (( UNIT UNDER TEST (UUT) Summary Sheet



DCL Project Number: 51577-2001

**Manufacturer:** C & C Power, Inc.

**Product Line:** UPS Maintenance Bypass

Model Number: 90820-C208365EGA600A60044BT

**Product Construction Summary:** 

Welded Carbon Steel, NEMA 1

#### Options / Component Summary:

C & C Power Inc. Enclosures, Eaton / Cutler Hammer Circuit Breakers, Eaton / Cutler Hammer Auxiliary Switches, Eaton / Cutler Hammer Shunt Trip, c3Controls Push Button, Mersen Fuses, Eaton / Bussmann Fuse Holder, KIRK Circuit Breaker Lock, KIRK Solenoid Key Lock, Eaton / Cutler Hammer Control Transformer, C & C Power Inc. Busbars

Note: The UUT was operational before and after shaking and was full of operating content during the tests. The structural integrity of the component attachment system and force-resisting systems was maintained.

			UUT	Properti	es			
Operating Weight	14	Dimensi	ons (inche	Lowest Natural Frequency (Hz)				
(lb)	Depth	Wi	Width Height		eight	Front-Back	Side-Side	Vertical
420	33.0	18	18.0 OSP-075		79.0	7.8	10.3	>33.3
		MxxxxxxxxX	Seismic 1	Test Parai	meters			
Building Code	Test <mark>Criteri</mark> a	Sds (g)	M <b>z/h</b> ar	nmlad	Aflx-H (g)	Arig <mark>-H (g)</mark>	Aflx-V (g)	Arig-V (g)
CBC 2022	ICC-E <mark>S AC15</mark> 6	2.00	1.0	1.5	3.20	2.40	1.34	0.54

#### Unit Mounting Description:

UUT-05 was mounted on manufacturer provided stand (part number 49862A) using (4) 3/8" Grade 8 bolts, washers, and split washers. The provided stand was mounted to the shake table interface plate with (4) 1/2" Grade 5 bolts, washers, 1/4-inch thick plate washers.

The shake table interface plate was mounted to the shake table using M12 threaded rod spaced roughly 12" on center.



Overall view of UUT-05