

	OFFICE USE ONLY	
APPLICATION FOR OSHPD SPECIAL SEISMIC CERTIFICATION PREAPPROVAL (OSP)	APPLICATION #: OSP - 0127 - 1	10
OSHPD Special Seismic Certification Preapproval (OSP)		
Type: 🗌 New 🖾 Renewal		
Manufacturer Information		
Manufacturer: L&H Airco		
Manufacturer's Technical Representative: Kevin Castle		
Mailing Address: 5466 E. Lamona Suite 102, Fresno, CA 93727		
Telephone: <u>559-253-9660</u> Email: KevinC	C@LHAirco.com	
Product Information		
Product Name:		
Product Type: _ Energy Management System		
Product Model Number: See Certified Product Table attached (List all unique product identification numbers and/or part numbers) General Description: Wall-mounted control panels in light-gauge meta	al enclosures for buildings (global controlle	ars) and
mechanical equipment		
Mounting Description: _ Rigid wall mounted		
Applicant Information		
Applicant Company Name: L&H Airco		
Contact Person: Kevin Castle		
Mailing Address: 5466 E. Lamona Suite 102, Fresno, CA 93727		
Telephone: <u>559-253-9660</u> Email: <u>Kevin(</u>	C@LHAirco.com	
I hereby agree to reimburse the Office of Statewide Health I accordance with the California Administrative Code, 2016.	Planning and Development reviev	v fees in
Signature of Applicant: K- Could	Date: <u>May 11, 201</u>	6
Title: <u>Executive Project Manager</u> Company Name: <u>L&H A</u>	irco	
"Access to Safe, Quality Healthcare Environments that Meet California's Diverse and Dynamic Needs"		SHPD

OSH-FD-759 (REV 12/16/15) 08/06/2016

STATE OF CALIFORNIA - HEALTH AND HUMAN SERVICES AGENCY

Page 1 of 3



California Licensed Structural Engineer Responsible for the Engineering and Test Report(s)						
Company Name: Forell/Elsesser Engineers, Inc.						
Name: Marco Scanu, SE California License Number: S4454						
Mailing Address:160 Pine St., 6 th Flr., San Francisco, CA 94111						
Telephone: _(415) 837-0700 Email:m.scanu@forell.com						
Supports and Attachments Preapproval						
Supports and attachments are preapproved under OPM- (Separate application for OSHPD Preapproval of Manufacturer's Certification (OPM) of Supports and attachments is required)						
Supports and attachments are not preapproved						
Certification Method						
 Testing in accordance with: ICC-ES AC156 Other (Please Specify):						
Testing Laboratory						
Company Name: Stork Garwood Laboratories						
Contact Name: Jerry Cederstrom						
Mailing Address: 7829 Industry Avenue, Pico Rivera, CA 90660						

Telephone: _562-679-4159 Email: _Jerry.Cederstrom@us.stork.com

"Access to Safe, Quality Healthcare Environment	nts that Meet California's Diverse and Dy	namic Needs'
---	---	--------------

OSP-0127-10

OFFICE OF STATEWIDE HEALTH PLANNING AND DEVELOPMENT FACILITIES DEVELOPMENT DIVISION

Seismic Parameters								
Design in accordance with ASCE 7-10 Chapter 13: 🖂 Yes 🗌] No							
Design Basis of Equipment or Components $(F_p/W_p) = 1.52 \text{ g}$								
S_{DS} (Design spectral response acceleration at short pe	eriod, g) = <u>2.03 g</u>							
ap (In-structure equipment or component amplification	factor) = _2.5							
R_p (Equipment or component response modification factor) = <u>6.0</u>								
Ω_0 (System overstrength factor) = _2.0								
I_p (Importance factor) = 1.5								
z/h (Height factor ratio) =1.0								
Equipment or Component Natural Frequencies (Hz) =	See attachment, UUT Summary S	heets						
Overall dimensions and weight (or range thereof) =	See attachment, Certified Products	Table						
Equipment or Components @ grade designed in accordance v	with ASCE 7-10 Chapter 15: 🗌 Yes	🖂 No						
Design Basis of Equipment or Components (V/W) =								
S_{DS} (Design spectral response acceleration at short pe								
S_{D1} (Design spectral response acceleration at 1 secon								
R (Response modification coefficient) = <u>1.0</u>								
Ω_0 (System overstrength factor) = <u>1.0</u>								
C_d (Deflection amplification factor) = 1.0								
I_{p} (Importance factor) = 1.5								
Height to Center of Gravity above base =								
Equipment or Component Natural Frequencies (Hz) =								
Tank(s) designed in accordance with ASME BPVC, 2015:								
List of Attachments Supporting Special Seismic Cert	ification							
☑ Test Report(s)	ons 🛛 Manufacturer's Catalog							
 Other(s) (Please Specify): Certified Products Table, C 		Summary Sheets						
OSHPD Approval (For Office Use Only) – Approval Exp	pires on December 31, 2022							
Signature:	Date: August 6, 2016							
Print Name: Timothy J. Piland								
Special Seismic Certification Valid Up to : $S_{DS}(g) = 2.03$								
• • • • • • • • • • • • • • • • • • •								
	4							
"Access to Safe, Quality Healthcare Environments that Meet California's Diverse and Dynamic Needs"	. In All Ann	OSHPD						
TATE OF CALIFORNIA – HEALTH AND HUMAN SERVICES AGENCY OSH-FD-759 (REV 12/16/15)		Page 3 of 3						

STATE OF CALIFORNIA - HEALTH AND HUMAN SERVICES AGENCY OSH-FD-759 (REV 12/16/15)

L&H Airco - Temperature Control Panels I. Certified Product Table							
Height	Width	Depth	Max. Service Weight	Notes	Test Status		
24"	20"	6.6"	45 lbs	1,2,3	TCP-1		
24"	20"	10"	84 lbs	1,2,4	TCP-4		
36"	24"	6.6"	96 lbs	1,2,3	TCP-2		
16"-60"	12"-36"	6"-16"	250 lbs	1,2,5	Interpolated		
60"	36"	12"	248 lbs	1,2,4	TCP-3		

Notes:

1. L&H Airco Temperature Control Panels are customizable control panels comprised of the Certified Subcomponent Table (see next page) contained in Pentair (formerly Hoffman) enclosures constructed out

of 14 ga cold-formed carbon steel.

2. Units are rigidly wall mounted.

3. NEMA 1 rated

4. NEMA 3R rated

5. NEMA 1, NEMA 3R, or NEMA 4 enclosure

HeightWidthDepthManufacturerNEMA RatingPart NumberTested12.0 in12.0 in6.00 inPentair (formerly Hoffman)NEMA 4CSD12126Extrapolated16.0 in12.0 in6.00 inPentair (formerly Hoffman)NEMA 4CSD16126Extrapolated16.0 in12.0 in6.00 inPentair (formerly Hoffman)NEMA 4CSD16126Extrapolated16.0 in12.0 in8.00 inPentair (formerly Hoffman)NEMA 4CSD16126Extrapolated16.0 in12.0 in8.00 inPentair (formerly Hoffman)NEMA 4CSD16126Extrapolated16.0 in16.0 in6.00 inPentair (formerly Hoffman)NEMA 4CSD16126Extrapolated16.0 in16.0 in6.00 inPentair (formerly Hoffman)NEMA 4CSD16166Extrapolated16.0 in16.0 in6.00 inPentair (formerly Hoffman)NEMA 4CSD16160Extrapolated16.0 in10.0 in6.00 inPentair (formerly Hoffman)NEMA 4CSD16160Extrapolated16.0 in0.0 inPentair (formerly Hoffman)NEMA 4CSD16206Extrapolated16.0 in0.0 inPentair (formerly Hoffman)NEMA 4CSD1	L&H Airco - Temperature Control Panels									
HeightWidthDepthManufacturerNEMA RatingPart NumberTested12.0 in12.0 in6.00 inPentair (formerly Hoffman)NEMA 4CSD12126Extrapolated16.0 in12.0 in6.00 inPentair (formerly Hoffman)NEMA 4CSD16126Extrapolated16.0 in12.0 in6.00 inPentair (formerly Hoffman)NEMA 4CSD16126Extrapolated16.0 in12.0 in8.00 inPentair (formerly Hoffman)NEMA 4CSD16126Extrapolated16.0 in12.0 in8.00 inPentair (formerly Hoffman)NEMA 4CSD16126Extrapolated16.0 in16.0 in6.00 inPentair (formerly Hoffman)NEMA 4CSD16126Extrapolated16.0 in16.0 in6.00 inPentair (formerly Hoffman)NEMA 4CSD16166Extrapolated16.0 in16.0 in6.00 inPentair (formerly Hoffman)NEMA 4CSD16160Extrapolated16.0 in10.0 in6.00 inPentair (formerly Hoffman)NEMA 4CSD16160Extrapolated16.0 in0.0 inPentair (formerly Hoffman)NEMA 4CSD16206Extrapolated16.0 in0.0 inPentair (formerly Hoffman)NEMA 4CSD1		II. Certified Subcomponents Table								
12.0 in 12.0 in 6.00 in Pentair (formerly Hoffman) NEMA 4 CSD12126 Extrapolated 16.0 in 12.0 in 6.00 in Pentair (formerly Hoffman) NEMA 4 CSD16126 Extrapolated 16.0 in 12.0 in 6.00 in Pentair (formerly Hoffman) NEMA 4 CSD16126 Extrapolated 16.0 in 12.0 in 8.00 in Pentair (formerly Hoffman) NEMA 4 CSD16128 Extrapolated 16.0 in 12.0 in 8.00 in Pentair (formerly Hoffman) NEMA 4 CSD16120 Extrapolated 16.0 in 16.0 in 6.00 in Pentair (formerly Hoffman) NEMA 4 CSD16166 Extrapolated 16.0 in 16.0 in 6.00 in Pentair (formerly Hoffman) NEMA 4 CSD16160 Extrapolated 16.0 in 16.0 in 6.00 in Pentair (formerly Hoffman) NEMA 4 CSD16160 Extrapolated 16.0 in 10.00 in Pentair (formerly Hoffman) NEMA 4 CSD16206 Extrapolated 16.0 in 6.00 in Pentair (formerly Hoffman) NEMA 4 CSD16200 Extrapolated 16.0 in <	Enclosu	Enclosures								
16.0 in 12.0 in 6.00 in Pentair (formerly Hoffman) NEMA 3R A16R126HCR Extrapolated 16.0 in 12.0 in 6.62 in Pentair (formerly Hoffman) NEMA 1 A16N12ALP Extrapolated 16.0 in 12.0 in 8.62 in Pentair (formerly Hoffman) NEMA 1 A16N12ALP Extrapolated 16.0 in 12.0 in 8.00 in Pentair (formerly Hoffman) NEMA 4 CSD16120 Extrapolated 16.0 in 16.0 in 6.00 in Pentair (formerly Hoffman) NEMA 4 CSD16160 Extrapolated 15.0 in 16.0 in 6.00 in Pentair (formerly Hoffman) NEMA 4 CSD16160 Extrapolated 16.0 in 16.0 in 6.00 in Pentair (formerly Hoffman) NEMA 4 CSD16100 Extrapolated 16.0 in 20.0 in 6.00 in Pentair (formerly Hoffman) NEMA 4 CSD16200 Extrapolated 16.0 in 20.0 in 6.00 in Pentair (formerly Hoffman) NEMA 4 CSD16200 Extrapolated 16.0 in 20.0 in 10.00 in Pentair (formerly Hoffman) NEMA 4 CSD16200 Extrapolated <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th>										
16.0 in 12.0 in 6.00 in Pentair (formerly Hoffman) NEMA 4 CSD16126 Extrapolated 16.0 in 12.0 in 6.82 in Pentair (formerly Hoffman) NEMA 1 A16N12ALP Extrapolated 16.0 in 12.0 in 8.62 in Pentair (formerly Hoffman) NEMA 4 CSD16128 Extrapolated 16.0 in 10.00 in Pentair (formerly Hoffman) NEMA 4 CSD16166 Extrapolated 16.0 in 16.0 in 6.00 in Pentair (formerly Hoffman) NEMA 4 CSD16166 Extrapolated 16.0 in 16.0 in 8.00 in Pentair (formerly Hoffman) NEMA 4 CSD16160 Extrapolated 16.0 in 10.00 in Pentair (formerly Hoffman) NEMA 4 CSD16160 Extrapolated 16.0 in 10.00 in Pentair (formerly Hoffman) NEMA 4 CSD16200 Extrapolated 16.0 in 10.00 in Pentair (formerly Hoffman) NEMA 4 CSD16200 Extrapolated 16.0 in 10.00 in Pentair (formerly Hoffman) NEMA 4 CSD16200 Extrapolated 16.0 in 10.00 in Pentair (formerly Hoffman)										
16 0 in 12.0 in 6.6 2 in Pentair (formerly Hoffman) NEMA 1 A16N12ALP Extrapolated 16 0 in 12.0 in 8.6 2 in Pentair (formerly Hoffman) NEMA 4 CSD16128 Extrapolated 16 0 in 12.0 in 0.00 in Pentair (formerly Hoffman) NEMA 4 CSD161210 Extrapolated 16 0 in 16.0 in 6.00 in Pentair (formerly Hoffman) NEMA 4 CSD16166 Extrapolated 16 0 in 16.0 in 6.00 in Pentair (formerly Hoffman) NEMA 4 CSD16160 Extrapolated 16.0 in 16.0 in 6.00 in Pentair (formerly Hoffman) NEMA 4 CSD16101 Extrapolated 16.0 in 10.00 in Pentair (formerly Hoffman) NEMA 4 CSD16200 Extrapolated 16.0 in 20.0 in 6.00 in Pentair (formerly Hoffman) NEMA 4 CSD16200 Extrapolated 16.0 in 10.00 in Pentair (formerly Hoffman) NEMA 4 CSD16200 Extrapolated 16.0 in 10.00 in Pentair (formerly Hoffman) NEMA 4 CSD16200 Extrapolated 16.0 in 10.00 in										
16.0 in 12.0 in 8.00 in Pentair (formerly Hoffman) NEMA 4 CSD16128 Extrapolated 16.0 in 12.0 in 10.00 in Pentair (formerly Hoffman) NEMA 4 CSD161210 Extrapolated 16.0 in 16.0 in 6.00 in Pentair (formerly Hoffman) NEMA 4 CSD161210 Extrapolated 16.0 in 16.0 in 6.00 in Pentair (formerly Hoffman) NEMA 4 CSD16166 Extrapolated 16.0 in 16.0 in 6.00 in Pentair (formerly Hoffman) NEMA 4 CSD16160 Extrapolated 16.0 in 10.00 in Pentair (formerly Hoffman) NEMA 4 CSD16206 Extrapolated 16.0 in 20.0 in 6.00 in Pentair (formerly Hoffman) NEMA 4 CSD16200 Extrapolated 16.0 in 20.0 in 6.00 in Pentair (formerly Hoffman) NEMA 4 CSD16200 Extrapolated 16.0 in 10.00 in Pentair (formerly Hoffman) NEMA 4 CSD16200 Extrapolated 16.0 in 8.00 in Pentair (formerly Hoffman) NEMA 4 CSD16200 Extrapolated 18.0 in 18.0 in										
16.0 in12.0 in8.62 inPentair (formerly Hoffman)NEMA 4A16N12BLPExtrapolated16.0 in11.0 in10.00 inPentair (formerly Hoffman)NEMA 3RA16R166HCRExtrapolated16.0 in16.0 in6.00 inPentair (formerly Hoffman)NEMA 1A16N16ALPExtrapolated16.0 in16.0 in6.00 inPentair (formerly Hoffman)NEMA 4CSD161610Extrapolated16.0 in16.0 in8.00 inPentair (formerly Hoffman)NEMA 4CSD161610Extrapolated16.0 in10.0 in6.00 inPentair (formerly Hoffman)NEMA 4CSD16206Extrapolated16.0 in20.0 in6.00 inPentair (formerly Hoffman)NEMA 4CSD16206Extrapolated16.0 in20.0 in8.00 inPentair (formerly Hoffman)NEMA 4CSD16206Extrapolated18.0 in10.00 inPentair (formerly Hoffman)NEMA 4CSD16206Extrapolated18.0 in10.00 inPentair (formerly Hoffman)NEMA 4CSD16206Extrapolated18.0 in18.0 in10.00 inPentair (formerly Hoffman)NEMA 4CSD16206Extrapolated18.0 in18.0 in10.00 inPentair (formerly Hoffman)NEMA 1A18N18CHCExtrapolated18.0 in18.0 in10.00 inPentair (formerly Hoffman)NEMA 1A20N16HCExtrapolated20.0 in15.0 in6.00 inPentair (formerly Hoffman)NEMA 1A20N16HCExtrapolated20.0 in16										
16.0 in 12.0 in 10.00 in Pentair (formerly Hoffman) NEMA 4 CSD16120 Extrapolated 16.0 in 16.0 in 6.00 in Pentair (formerly Hoffman) NEMA 4 CSD16166 Extrapolated 16.0 in 16.0 in 6.00 in Pentair (formerly Hoffman) NEMA 4 CSD16168 Extrapolated 16.0 in 16.0 in 16.0 in 16.0 in Pentair (formerly Hoffman) NEMA 4 CSD16108 Extrapolated 16.0 in 10.0 in 6.62 in Pentair (formerly Hoffman) NEMA 4 CSD162010 Extrapolated 16.0 in 20.0 in 6.62 in Pentair (formerly Hoffman) NEMA 4 CSD162010 Extrapolated 16.0 in 20.0 in 8.00 in Pentair (formerly Hoffman) NEMA 4 CSD162010 Extrapolated 18.0 in 18.0 in 10.62 in Pentair (formerly Hoffman) NEMA 1 A18R180HCR Extrapolated 18.0 in 16.0 in 6.00 in Pentair (formerly Hoffman) NEMA 1 A18N1810HCR Extrapolated 20.0 in 1										
16.0 in16.0 in0.0 inPentair (formerly Hoffman)NEMA 3RA16R16FLCExtrapolated16.0 in16.0 in6.00 inPentair (formerly Hoffman)NEMA 4CSD16166Extrapolated16.0 in16.0 in6.00 inPentair (formerly Hoffman)NEMA 4CSD16166Extrapolated16.0 in10.0 inPentair (formerly Hoffman)NEMA 4CSD16160Extrapolated16.0 in10.0 in0.0 inPentair (formerly Hoffman)NEMA 4CSD16160Extrapolated16.0 in20.0 in6.00 inPentair (formerly Hoffman)NEMA 4CSD16208Extrapolated16.0 in20.0 in8.00 inPentair (formerly Hoffman)NEMA 4CSD16208Extrapolated18.0 in18.0 in10.00 inPentair (formerly Hoffman)NEMA 3RA18R186HCRExtrapolated18.0 in18.0 in10.00 inPentair (formerly Hoffman)NEMA 1A18N18CLPExtrapolated18.0 in18.0 in10.62 inPentair (formerly Hoffman)NEMA 1A18N18CLPExtrapolated20.0 in12.0 in8.62 inPentair (formerly Hoffman)NEMA 1A20N16HCPExtrapolated20.0 in16.0 in6.00 inPentair (formerly Hoffman)NEMA 4CSD20166Extrapolated20.0 in16.0 in6.00 inPentair (formerly Hoffman)NEMA 4CSD20168Extrapolated20.0 in16.0 in6.00 inPentair (formerly Hoffman)NEMA 4CSD20168Extrapolated20.0 in										
16.0 in 16.0 in 6.00 in Pentair (formerly Hoffman) NEMA 1 A16N16ALP Extrapolated 16.0 in 16.0 in 8.00 in Pentair (formerly Hoffman) NEMA 4 CSD16168 Extrapolated 16.0 in 16.0 in 10.00 in Pentair (formerly Hoffman) NEMA 4 CSD16206 Extrapolated 16.0 in 20.0 in 6.62 in Pentair (formerly Hoffman) NEMA 4 CSD16206 Extrapolated 16.0 in 20.0 in 8.00 in Pentair (formerly Hoffman) NEMA 4 CSD162010 Extrapolated 18.0 in 18.0 in 10.00 in Pentair (formerly Hoffman) NEMA 3 A18R186HCR Extrapolated 18.0 in 10.00 in Pentair (formerly Hoffman) NEMA 1 A18N180HCR Extrapolated 18.0 in 10.62 in Pentair (formerly Hoffman) NEMA 1 A18N180HCR Extrapolated 20.0 in 16.0 in 6.00 in Pentair (formerly Hoffman) NEMA 1 A20N162HE Extrapolated 20.0 in 16.0 in 6.00 in Pentair (formerly Hoffm										
16.0 in 16.0 in 8.62 in Pentair (formerly Hoffman) NEMA 4 CSD16168 Extrapolated 16.0 in 10.00 in Pentair (formerly Hoffman) NEMA 4 CSD16206 Extrapolated 16.0 in 20.0 in 8.00 in Pentair (formerly Hoffman) NEMA 4 CSD16208 Extrapolated 18.0 in 18.0 in 10.00 in Pentair (formerly Hoffman) NEMA 3R A188180HCR Extrapolated 18.0 in 18.0 in 10.02 in Pentair (formerly Hoffman) NEMA 3R A188180HCR Extrapolated 18.0 in 18.0 in 10.62 in Pentair (formerly Hoffman) NEMA 1 A180180HCR Extrapolated 20.0 in 16.0 in 6.00 in Pentair (formerly Hoffman) NEMA 1 A20816HCR Extrapolated 20.0 in 16.0 in 6.00 in Pentair (formerly Hoffman) NEMA 4 CSD20166 Extrapolated 20.0 in										
16.0 in 16.0 in 10.00 in Pentair (formerly Hoffman) NEMA 4 CSD16168 Extrapolated 16.0 in 20.0 in 6.00 in Pentair (formerly Hoffman) NEMA 4 CSD161610 Extrapolated 16.0 in 20.0 in 6.62 in Pentair (formerly Hoffman) NEMA 4 CSD16200 Extrapolated 16.0 in 20.0 in 8.00 in Pentair (formerly Hoffman) NEMA 4 CSD162010 Extrapolated 18.0 in 18.0 in 10.00 in Pentair (formerly Hoffman) NEMA 3R A1881801CR Extrapolated 18.0 in 10.02 in Pentair (formerly Hoffman) NEMA 3R A1881801CR Extrapolated 20.0 in 18.0 in 10.62 in Pentair (formerly Hoffman) NEMA 1 A1881801CP Extrapolated 20.0 in 16.0 in 6.00 in Pentair (formerly Hoffman) NEMA 4 CSD2066 Extrapolated 20.0 in 16.0 in 6.02 in Pentair (formerly Hoffman) NEMA 4 CSD201616 Extrapolated 20.0 in 16.0 in 8.00 in <										
16.0 in 16.0 in 10.00 in Pentair (formerly Hoffman) NEMA 4 CSD16100 Extrapolated 16.0 in 20.0 in 6.62 in Pentair (formerly Hoffman) NEMA 1 A16N20AP Extrapolated 16.0 in 20.0 in 8.00 in Pentair (formerly Hoffman) NEMA 4 CSD16208 Extrapolated 18.0 in 18.0 in 10.00 in Pentair (formerly Hoffman) NEMA 3R A18R180HCR Extrapolated 18.0 in 18.0 in 10.02 in Pentair (formerly Hoffman) NEMA 3R A18R180HCR Extrapolated 18.0 in 18.0 in 10.62 in Pentair (formerly Hoffman) NEMA 1 A18R180HCR Extrapolated 20.0 in 16.0 in 6.00 in Pentair (formerly Hoffman) NEMA 1 A20R166HCR Extrapolated 20.0 in 16.0 in 6.00 in Pentair (formerly Hoffman) NEMA 4 CSD20166 Extrapolated 20.0 in 16.0 in 8.62 in Pentair (formerly Hoffman) NEMA 4 CSD20168 Extrapolated 20.0 in 16.0 in <										
16.0 in 20.0 in 6.00 in Pentair (formerly Hoffman) NEMA 4 CSD1206 Extrapolated 16.0 in 20.0 in 6.62 in Pentair (formerly Hoffman) NEMA 4 CSD1208 Extrapolated 16.0 in 20.0 in 8.00 in Pentair (formerly Hoffman) NEMA 4 CSD12010 Extrapolated 18.0 in 18.0 in 18.0 in 10.00 in Pentair (formerly Hoffman) NEMA 3R A18R1810HCR Extrapolated 18.0 in 18.0 in 10.62 in Pentair (formerly Hoffman) NEMA 1 A18N18CLP Extrapolated 18.0 in 10.62 in Pentair (formerly Hoffman) NEMA 1 A18N18CLP Extrapolated 20.0 in 15.0 in 6.00 in Pentair (formerly Hoffman) NEMA 4 CSD2166 Extrapolated 20.0 in 16.0 in 6.62 in Pentair (formerly Hoffman) NEMA 4 CSD20166 Extrapolated 20.0 in 16.0 in 8.62 in Pentair (formerly Hoffman) NEMA 4 CSD20168 Extrapolated 20.0 in 16.0 in 8.00										
16.0 in20.0 in6.62 inPentair (formerly Hoffman)NEMA 1A16N20ALPExtrapolated16.0 in20.0 in10.00 inPentair (formerly Hoffman)NEMA 4CSD16208Extrapolated18.0 in18.0 in6.00 inPentair (formerly Hoffman)NEMA 3RA18R180HCRExtrapolated18.0 in18.0 in10.00 inPentair (formerly Hoffman)NEMA 3RA18R1810HCRExtrapolated18.0 in18.0 in10.62 inPentair (formerly Hoffman)NEMA 1A18N18CHPExtrapolated20.0 in18.0 in10.62 inPentair (formerly Hoffman)NEMA 1A20N12BLPExtrapolated20.0 in16.0 in6.00 inPentair (formerly Hoffman)NEMA 1A20N16HCRExtrapolated20.0 in16.0 in6.00 inPentair (formerly Hoffman)NEMA 4CSD20166Extrapolated20.0 in16.0 in6.00 inPentair (formerly Hoffman)NEMA 4CSD20166Extrapolated20.0 in16.0 in8.62 inPentair (formerly Hoffman)NEMA 1A20N16BLPExtrapolated20.0 in16.0 in8.62 inPentair (formerly Hoffman)NEMA 4CSD201610Extrapolated20.0 in16.0 in8.62 inPentair (formerly Hoffman)NEMA 4CSD20206Extrapolated20.0 in16.0 in9.00 inPentair (formerly Hoffman)NEMA 4CSD20206Extrapolated20.0 in10.0 inPentair (formerly Hoffman)NEMA 4CSD2020206Extrapolated<										
16.0 in20.0 in8.00 inPentair (formerly Hoffman)NEMA 4CSD16208Extrapolated16.0 in10.00 inPentair (formerly Hoffman)NEMA 4CSD162010Extrapolated18.0 in18.0 in10.00 inPentair (formerly Hoffman)NEMA 3RA18R186HCRExtrapolated18.0 in18.0 in10.02 inPentair (formerly Hoffman)NEMA 1A18R181DHCRExtrapolated18.0 in10.62 inPentair (formerly Hoffman)NEMA 1A18R181CPExtrapolated20.0 in12.0 in8.62 inPentair (formerly Hoffman)NEMA 1A20N12BLPExtrapolated20.0 in16.0 in6.00 inPentair (formerly Hoffman)NEMA 1A20N16GHCExtrapolated20.0 in16.0 in6.02 inPentair (formerly Hoffman)NEMA 4CSD20166Extrapolated20.0 in16.0 in8.02 inPentair (formerly Hoffman)NEMA 4CSD20161Extrapolated20.0 in16.0 in8.02 inPentair (formerly Hoffman)NEMA 4CSD201610Extrapolated20.0 in10.0 inPentair (formerly Hoffman)NEMA 4CSD201610Extrapolated20.0 in10.0 inPentair (formerly Hoffman)NEMA 4CSD20162Extrapolated20.0 in10.0 inPentair (formerly Hoffman)NEMA 4CSD201610Extrapolated20.0 in10.0 inPentair (formerly Hoffman)NEMA 4CSD20206Extrapolated20.0 in10.0 inPentair (formerly Hoffman)NEMA 4<										
16.0 in 20.0 in 10.00 in Pentair (formerly Hoffman) NEMA 4 CSD2010 Extrapolated 18.0 in 18.0 in 10.00 in Pentair (formerly Hoffman) NEMA 3R A18R180HCR Extrapolated 18.0 in 10.00 in Pentair (formerly Hoffman) NEMA 1 A18R1810HCR Extrapolated 18.0 in 10.62 in Pentair (formerly Hoffman) NEMA 1 A18R1810HCR Extrapolated 20.0 in 12.0 in 8.62 in Pentair (formerly Hoffman) NEMA 1 A20R12BLP Extrapolated 20.0 in 16.0 in 6.00 in Pentair (formerly Hoffman) NEMA 4 CSD20166 Extrapolated 20.0 in 16.0 in 6.00 in Pentair (formerly Hoffman) NEMA 4 CSD20168 Extrapolated 20.0 in 16.0 in 8.62 in Pentair (formerly Hoffman) NEMA 4 CSD201610 Extrapolated 20.0 in 16.0 in 8.00 in Pentair (formerly Hoffman) NEMA 4 CSD201610 Extrapolated 20.0 in 10.0 in Pentair (formerly Hoffman) NE										
18.0 in18.0 in6.00 inPentair (formerly Hoffman)NEMA 3RA18R180HCRExtrapolated18.0 in18.0 in10.00 inPentair (formerly Hoffman)NEMA 1A18R1810HCRExtrapolated18.0 in10.62 inPentair (formerly Hoffman)NEMA 1A18N18CLPExtrapolated20.0 in16.0 in0.00 inPentair (formerly Hoffman)NEMA 1A20N12BLPExtrapolated20.0 in16.0 in0.00 inPentair (formerly Hoffman)NEMA 1A20N16CHCExtrapolated20.0 in16.0 in6.00 inPentair (formerly Hoffman)NEMA 4CSD20166Extrapolated20.0 in16.0 in8.62 inPentair (formerly Hoffman)NEMA 4CSD20161Extrapolated20.0 in16.0 in8.62 inPentair (formerly Hoffman)NEMA 4CSD201610Extrapolated20.0 in16.0 in8.62 inPentair (formerly Hoffman)NEMA 4CSD201610Extrapolated20.0 in10.0 in6.62 inPentair (formerly Hoffman)NEMA 4CSD201610Extrapolated20.0 in20.0 in8.00 inPentair (formerly Hoffman)NEMA 4CSD202010Extrapolated20.0 in10.0 in8.00 inPentair (formerly Hoffman)NEMA 4CSD202010Extrapolated20.0 in20.0 in8.00 inPentair (formerly Hoffman)NEMA 4CSD202010Extrapolated20.0 in10.0 inPentair (formerly Hoffman)NEMA 4CSD202010Extrapolated20.0 in <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<>										
18.0 in10.00 inPentair (formerly Hoffman)NEMA 3RA18R1810HCRExtrapolated18.0 in10.62 inPentair (formerly Hoffman)NEMA 1A18R18CLPExtrapolated20.0 in12.0 in8.62 inPentair (formerly Hoffman)NEMA 1A20N12BLPExtrapolated20.0 in16.0 in6.00 inPentair (formerly Hoffman)NEMA 1A20N12BLPExtrapolated20.0 in16.0 in6.00 inPentair (formerly Hoffman)NEMA 4CSD20166Extrapolated20.0 in16.0 in6.00 inPentair (formerly Hoffman)NEMA 4CSD20168Extrapolated20.0 in16.0 in8.00 inPentair (formerly Hoffman)NEMA 4CSD20168Extrapolated20.0 in16.0 in8.02 inPentair (formerly Hoffman)NEMA 4CSD201610Extrapolated20.0 in16.0 in8.02 inPentair (formerly Hoffman)NEMA 4CSD20206Extrapolated20.0 in16.0 in8.02 inPentair (formerly Hoffman)NEMA 4CSD20206Extrapolated20.0 in20.0 in6.00 inPentair (formerly Hoffman)NEMA 4CSD20208Extrapolated20.0 in20.0 in8.00 inPentair (formerly Hoffman)NEMA 4CSD20208Extrapolated20.0 in20.0 in8.00 inPentair (formerly Hoffman)NEMA 4CSD20208Extrapolated20.0 in20.0 in8.00 inPentair (formerly Hoffman)NEMA 4CSD202010Extrapolated20.0 in8.00										
18.0 in10.62 inPentair (formerly Hoffman)NEMA 1A18N18CLPExtrapolated18.0 in10.67 inPentair (formerly Hoffman)NEMA 1A18N18CLPExtrapolated20.0 in12.0 in8.62 inPentair (formerly Hoffman)NEMA 1A20N12LPExtrapolated20.0 in16.0 in6.00 inPentair (formerly Hoffman)NEMA 4CSD20166Extrapolated20.0 in16.0 in6.00 inPentair (formerly Hoffman)NEMA 4CSD20168Extrapolated20.0 in16.0 in8.00 inPentair (formerly Hoffman)NEMA 4CSD20168Extrapolated20.0 in16.0 in8.00 inPentair (formerly Hoffman)NEMA 4CSD20161Extrapolated20.0 in16.0 in8.62 inPentair (formerly Hoffman)NEMA 4CSD20160Extrapolated20.0 in10.0 in6.62 inPentair (formerly Hoffman)NEMA 4CSD20206Extrapolated20.0 in20.0 in8.00 inPentair (formerly Hoffman)NEMA 4CSD20208Extrapolated20.0 in20.0 in8.00 inPentair (formerly Hoffman)NEMA 4CSD20208Extrapolated20.0 in20.0 in8.00 inPentair (formerly Hoffman)NEMA 4CSD20208Extrapolated20.0 in20.0 in8.00 inPentair (formerly Hoffman)NEMA 4CSD202010Extrapolated20.0 in20.0 in8.00 inPentair (formerly Hoffman)NEMA 4CSD202010Extrapolated <tr<tr>20.0 in20.0 in</tr<tr>										
18.0 in10.62 inPentair (formerly Hoffman)NEMA 1A18N18CLPExtrapolated20.0 in16.0 in6.00 inPentair (formerly Hoffman)NEMA 1A20N12BLPExtrapolated20.0 in16.0 in6.00 inPentair (formerly Hoffman)NEMA 4CSD20166Extrapolated20.0 in16.0 in6.00 inPentair (formerly Hoffman)NEMA 4CSD20166Extrapolated20.0 in16.0 in8.00 inPentair (formerly Hoffman)NEMA 4CSD20168Extrapolated20.0 in16.0 in8.00 inPentair (formerly Hoffman)NEMA 4CSD201610Extrapolated20.0 in16.0 in8.00 inPentair (formerly Hoffman)NEMA 4CSD201610Extrapolated20.0 in16.0 in6.00 inPentair (formerly Hoffman)NEMA 4CSD20204Extrapolated20.0 in20.0 in6.00 inPentair (formerly Hoffman)NEMA 1A20R208HCRExtrapolated20.0 in20.0 in8.00 inPentair (formerly Hoffman)NEMA 4CSD20208Extrapolated20.0 in20.0 in8.00 inPentair (formerly Hoffman)NEMA 4CSD20208Extrapolated20.0 in20.0 in8.00 inPentair (formerly Hoffman)NEMA 4CSD202010Extrapolated20.0 in20.0 in8.00 inPentair (formerly Hoffman)NEMA 4CSD202010Extrapolated20.0 in20.0 in8.00 inPentair (formerly Hoffman)NEMA 4CSD202010Extrapolated20.0 i				. , ,						
20.0 in12.0 in8.62 inPentair (formerly Hoffman)NEMA 1A20N12BLPExtrapolated20.0 in16.0 in6.00 inPentair (formerly Hoffman)NEMA 3RA20R166HCRExtrapolated20.0 in16.0 in6.00 inPentair (formerly Hoffman)NEMA 4CSD20166Extrapolated20.0 in16.0 in8.00 inPentair (formerly Hoffman)NEMA 4CSD20168Extrapolated20.0 in16.0 in8.00 inPentair (formerly Hoffman)NEMA 4CSD20160Extrapolated20.0 in16.0 in0.00 inPentair (formerly Hoffman)NEMA 4CSD20160Extrapolated20.0 in10.0 in6.00 inPentair (formerly Hoffman)NEMA 4CSD20206Extrapolated20.0 in20.0 in6.00 inPentair (formerly Hoffman)NEMA 4CSD20208Extrapolated20.0 in20.0 in8.00 inPentair (formerly Hoffman)NEMA 4CSD20208Extrapolated20.0 in20.0 in8.00 inPentair (formerly Hoffman)NEMA 4CSD202010Extrapolated20.0 in20.0 in8.00 inPentair (formerly Hoffman)NEMA 4CSD20210Extrapolated20.0 in24.0 in10.00 inPentair (formerly Hoffman)NEMA 4CSD20210Extrapolated20.0 in24.0 in10.00 inPentair (formerly Hoffman)NEMA 4CSD20210Extrapolated24.0 in16.0 in6.00 inPentair (formerly Hoffman)NEMA 4CSD202410Extrapolated										
20.0 in16.0 in6.00 inPentair (formerly Hoffman)NEMA 3RA20R166HCRExtrapolated20.0 in16.0 in6.02 inPentair (formerly Hoffman)NEMA 4CSD20166Extrapolated20.0 in16.0 in6.62 inPentair (formerly Hoffman)NEMA 4CSD20168Extrapolated20.0 in16.0 in8.00 inPentair (formerly Hoffman)NEMA 4CSD201610Extrapolated20.0 in16.0 in8.00 inPentair (formerly Hoffman)NEMA 4CSD201610Extrapolated20.0 in10.00 inPentair (formerly Hoffman)NEMA 4CSD2020610Extrapolated20.0 in20.0 in6.00 inPentair (formerly Hoffman)NEMA 4CSD20206Extrapolated20.0 in20.0 in8.00 inPentair (formerly Hoffman)NEMA 4CSD20208Extrapolated20.0 in20.0 in8.00 inPentair (formerly Hoffman)NEMA 4CSD202010Extrapolated20.0 in20.0 in8.00 inPentair (formerly Hoffman)NEMA 4CSD202010Extrapolated20.0 in20.0 in8.00 inPentair (formerly Hoffman)NEMA 4CSD202010Extrapolated20.0 in20.0 in10.00 inPentair (formerly Hoffman)NEMA 4CSD202010Extrapolated20.0 in20.0 in10.00 inPentair (formerly Hoffman)NEMA 4CSD202010Extrapolated24.0 in16.0 in6.00 inPentair (formerly Hoffman)NEMA 4CSD20410Extrapolated2										
20.0 in16.0 in6.00 inPentair (formerly Hoffman)NEMA 4CSD20166Extrapolated20.0 in16.0 in8.00 inPentair (formerly Hoffman)NEMA 4A20N16ALPExtrapolated20.0 in16.0 in8.02 inPentair (formerly Hoffman)NEMA 4CSD20168Extrapolated20.0 in16.0 in8.02 inPentair (formerly Hoffman)NEMA 4CSD201610Extrapolated20.0 in16.0 in0.00 inPentair (formerly Hoffman)NEMA 4CSD20206Extrapolated20.0 in20.0 in6.02 inPentair (formerly Hoffman)NEMA 4CSD20206Extrapolated20.0 in20.0 in6.02 inPentair (formerly Hoffman)NEMA 4CSD20208Extrapolated20.0 in20.0 in8.00 inPentair (formerly Hoffman)NEMA 4CSD20208Extrapolated20.0 in20.0 in8.00 inPentair (formerly Hoffman)NEMA 4CSD20208Extrapolated20.0 in20.0 in10.00 inPentair (formerly Hoffman)NEMA 4CSD20210Extrapolated20.0 in24.0 in10.00 inPentair (formerly Hoffman)NEMA 4CSD202410Extrapolated24.0 in16.0 in6.02 inPentair (formerly Hoffman)NEMA 4CSD20410Extrapolated24.0 in16.0 in6.02 inPentair (formerly Hoffman)NEMA 4CSD20410Extrapolated24.0 in16.0 in6.02 inPentair (formerly Hoffman)NEMA 4CSD24168Extrapolated <tr< td=""><td></td><td></td><td>6.00 in</td><td></td><td></td><td></td><td></td></tr<>			6.00 in							
20.0 in16.0 in8.00 inPentair (formerly Hoffman)NEMA 4CSD20168Extrapolated20.0 in16.0 in8.62 inPentair (formerly Hoffman)NEMA 1A20N16BLPExtrapolated20.0 in10.00 inPentair (formerly Hoffman)NEMA 4CSD201610Extrapolated20.0 in20.0 in6.00 inPentair (formerly Hoffman)NEMA 4CSD20206Extrapolated20.0 in20.0 in6.62 inPentair (formerly Hoffman)NEMA 1A20N20ALPExtrapolated20.0 in20.0 in8.00 inPentair (formerly Hoffman)NEMA 3RA20R208HCRExtrapolated20.0 in20.0 in8.00 inPentair (formerly Hoffman)NEMA 4CSD20208Extrapolated20.0 in20.0 in8.00 inPentair (formerly Hoffman)NEMA 4CSD202010Extrapolated20.0 in20.0 in8.00 inPentair (formerly Hoffman)NEMA 4CSD20248Extrapolated20.0 in24.0 in8.00 inPentair (formerly Hoffman)NEMA 4CSD20248Extrapolated24.0 in16.0 in6.00 inPentair (formerly Hoffman)NEMA 4CSD24166Extrapolated24.0 in16.0 in6.00 inPentair (formerly Hoffman)NEMA 4CSD24168Extrapolated24.0 in16.0 in6.00 inPentair (formerly Hoffman)NEMA 4CSD24168Extrapolated24.0 in16.0 in6.00 inPentair (formerly Hoffman)NEMA 4CSD24168Extrapolated24.0 in<	20.0 in	16.0 in	6.00 in	Pentair (formerly Hoffman)	NEMA 4	CSD20166				
20.0 in16.0 in8.62 inPentair (formerly Hoffman)NEMA 1A20N16BLPExtrapolated20.0 in16.0 in10.00 inPentair (formerly Hoffman)NEMA 4CSD201610Extrapolated20.0 in20.0 in6.62 inPentair (formerly Hoffman)NEMA 4CSD20206Extrapolated20.0 in20.0 in6.62 inPentair (formerly Hoffman)NEMA 3RA20R208HCRExtrapolated20.0 in20.0 in8.00 inPentair (formerly Hoffman)NEMA 4CSD20208Extrapolated20.0 in20.0 in8.00 inPentair (formerly Hoffman)NEMA 4CSD20208Extrapolated20.0 in20.0 in8.00 inPentair (formerly Hoffman)NEMA 4CSD20208Extrapolated20.0 in20.0 in10.00 inPentair (formerly Hoffman)NEMA 4CSD20248Extrapolated20.0 in24.0 in10.00 inPentair (formerly Hoffman)NEMA 4CSD202410Extrapolated24.0 in16.0 in6.00 inPentair (formerly Hoffman)NEMA 4CSD201610Extrapolated24.0 in16.0 in6.00 inPentair (formerly Hoffman)NEMA 4CSD24166Extrapolated24.0 in16.0 in8.00 inPentair (formerly Hoffman)NEMA 4CSD241610Extrapolated24.0 in16.0 in8.00 inPentair (formerly Hoffman)NEMA 4CSD241610Extrapolated24.0 in16.0 in8.00 inPentair (formerly Hoffman)NEMA 4CSD24206Extrapolated<	20.0 in	16.0 in	6.62 in	Pentair (formerly Hoffman)	NEMA 1	A20N16ALP	Extrapolated			
20.0 in16.0 in10.00 inPentair (formerly Hoffman)NEMA 4CSD201610Extrapolated20.0 in20.0 in6.00 inPentair (formerly Hoffman)NEMA 4CSD20206Extrapolated20.0 in20.0 in6.62 inPentair (formerly Hoffman)NEMA 1A20N20ALPExtrapolated20.0 in20.0 in8.00 inPentair (formerly Hoffman)NEMA 3RA20R208HCRExtrapolated20.0 in20.0 in8.00 inPentair (formerly Hoffman)NEMA 4CSD20208Extrapolated20.0 in20.0 in8.00 inPentair (formerly Hoffman)NEMA 4CSD202010Extrapolated20.0 in20.0 in8.00 inPentair (formerly Hoffman)NEMA 4CSD20210Extrapolated20.0 in24.0 in10.00 inPentair (formerly Hoffman)NEMA 4CSD202410Extrapolated24.0 in16.0 in6.00 inPentair (formerly Hoffman)NEMA 4CSD20410Extrapolated24.0 in16.0 in6.00 inPentair (formerly Hoffman)NEMA 4CSD24166Extrapolated24.0 in16.0 in6.00 inPentair (formerly Hoffman)NEMA 4CSD241610Extrapolated24.0 in16.0 in8.00 inPentair (formerly Hoffman)NEMA 4CSD241610Extrapolated24.0 in16.0 in8.00 inPentair (formerly Hoffman)NEMA 4CSD241610Extrapolated24.0 in16.0 in8.00 inPentair (formerly Hoffman)NEMA 4CSD241610Extrapolated	20.0 in	16.0 in	8.00 in		NEMA 4	CSD20168				
20.0 in20.0 in6.00 inPentair (formerly Hoffman)NEMA 4CSD20206Extrapolated20.0 in20.0 in6.62 inPentair (formerly Hoffman)NEMA 1A20N20ALPExtrapolated20.0 in20.0 in8.00 inPentair (formerly Hoffman)NEMA 3RA20R208HCRExtrapolated20.0 in20.0 in8.00 inPentair (formerly Hoffman)NEMA 4CSD20208Extrapolated20.0 in20.0 in8.62 inPentair (formerly Hoffman)NEMA 4CSD202010Extrapolated20.0 in20.0 in10.00 inPentair (formerly Hoffman)NEMA 4CSD20248Extrapolated20.0 in24.0 in8.00 inPentair (formerly Hoffman)NEMA 4CSD20248Extrapolated20.0 in24.0 in10.00 inPentair (formerly Hoffman)NEMA 4CSD202410Extrapolated24.0 in16.0 in6.00 inPentair (formerly Hoffman)NEMA 4CSD24166Extrapolated24.0 in16.0 in6.00 inPentair (formerly Hoffman)NEMA 4CSD24168Extrapolated24.0 in16.0 in6.00 inPentair (formerly Hoffman)NEMA 4CSD241610Extrapolated24.0 in16.0 in6.00 inPentair (formerly Hoffman)NEMA 4CSD24168Extrapolated24.0 in20.0 in6.00 inPentair (formerly Hoffman)NEMA 4CSD241610Extrapolated24.0 in20.0 in6.00 inPentair (formerly Hoffman)NEMA 4CSD24206Extrapolated <td>20.0 in</td> <td>16.0 in</td> <td>8.62 in</td> <td>Pentair (formerly Hoffman)</td> <td>NEMA 1</td> <td>A20N16BLP</td> <td>Extrapolated</td>	20.0 in	16.0 in	8.62 in	Pentair (formerly Hoffman)	NEMA 1	A20N16BLP	Extrapolated			
20.0 in20.0 in6.62 inPentair (formerly Hoffman)NEMA 1A20N20ALPExtrapolated20.0 in20.0 in8.00 inPentair (formerly Hoffman)NEMA 3RA20R208HCRExtrapolated20.0 in20.0 in8.00 inPentair (formerly Hoffman)NEMA 4CSD20208Extrapolated20.0 in20.0 in8.62 inPentair (formerly Hoffman)NEMA 1A20N20BLPExtrapolated20.0 in20.0 in10.00 inPentair (formerly Hoffman)NEMA 4CSD202010Extrapolated20.0 in24.0 in8.00 inPentair (formerly Hoffman)NEMA 4CSD20248Extrapolated20.0 in24.0 in10.00 inPentair (formerly Hoffman)NEMA 4CSD202410Extrapolated24.0 in16.0 in6.00 inPentair (formerly Hoffman)NEMA 4CSD24166Extrapolated24.0 in16.0 in6.00 inPentair (formerly Hoffman)NEMA 4CSD24166Extrapolated24.0 in16.0 in8.00 inPentair (formerly Hoffman)NEMA 4CSD241610Extrapolated24.0 in16.0 in6.00 inPentair (formerly Hoffman)NEMA 4CSD24206Extrapolated24.0 in10.0 in6.62 inPentair (formerly Hoffman)NEMA 4CSD24206Extrapolated24.0 in20.0 in6.00 inPentair (formerly Hoffman)NEMA 4CSD24206Extrapolated24.0 in20.0 in8.00 inPentair (formerly Hoffman)NEMA 1A24N20ALPTCP-1							Extrapolated			
20.0 in20.0 in8.00 inPentair (formerly Hoffman)NEMA 3RA20R208HCRExtrapolated20.0 in20.0 in8.00 inPentair (formerly Hoffman)NEMA 4CSD20208Extrapolated20.0 in20.0 in8.62 inPentair (formerly Hoffman)NEMA 1A20N20BLPExtrapolated20.0 in20.0 in10.00 inPentair (formerly Hoffman)NEMA 4CSD202010Extrapolated20.0 in24.0 in8.00 inPentair (formerly Hoffman)NEMA 4CSD202410Extrapolated20.0 in24.0 in10.00 inPentair (formerly Hoffman)NEMA 4CSD202410Extrapolated24.0 in16.0 in6.00 inPentair (formerly Hoffman)NEMA 4CSD20410Extrapolated24.0 in16.0 in6.62 inPentair (formerly Hoffman)NEMA 4CSD24166Extrapolated24.0 in16.0 in8.00 inPentair (formerly Hoffman)NEMA 4CSD241610Extrapolated24.0 in16.0 in8.00 inPentair (formerly Hoffman)NEMA 4CSD241610Extrapolated24.0 in10.0 inPentair (formerly Hoffman)NEMA 4CSD24206Extrapolated24.0 in20.0 in6.02 inPentair (formerly Hoffman)NEMA 4CSD24206Extrapolated24.0 in20.0 in8.00 inPentair (formerly Hoffman)NEMA 4CSD24206Extrapolated24.0 in20.0 in8.00 inPentair (formerly Hoffman)NEMA 4CSD24208Interpolated24.0					NEMA 4	CSD20206				
20.0 in20.0 in8.00 inPentair (formerly Hoffman)NEMA 4CSD20208Extrapolated20.0 in20.0 in8.62 inPentair (formerly Hoffman)NEMA 1A20N20BLPExtrapolated20.0 in20.0 in10.00 inPentair (formerly Hoffman)NEMA 4CSD202010Extrapolated20.0 in24.0 in8.00 inPentair (formerly Hoffman)NEMA 4CSD20248Extrapolated20.0 in24.0 in10.00 inPentair (formerly Hoffman)NEMA 4CSD202410Extrapolated24.0 in16.0 in6.00 inPentair (formerly Hoffman)NEMA 4CSD24166Extrapolated24.0 in16.0 in6.62 inPentair (formerly Hoffman)NEMA 4CSD24166Extrapolated24.0 in16.0 in8.00 inPentair (formerly Hoffman)NEMA 4CSD24166Extrapolated24.0 in16.0 in6.00 inPentair (formerly Hoffman)NEMA 4CSD241610Extrapolated24.0 in16.0 in8.00 inPentair (formerly Hoffman)NEMA 4CSD24206Extrapolated24.0 in20.0 in6.00 inPentair (formerly Hoffman)NEMA 4CSD24206Extrapolated24.0 in20.0 in8.00 inPentair (formerly Hoffman)NEMA 4CSD24206Extrapolated24.0 in20.0 in8.00 inPentair (formerly Hoffman)NEMA 4CSD24208Interpolated24.0 in20.0 in8.00 inPentair (formerly Hoffman)NEMA 4CSD24208Interpolated <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<>										
20.0 in20.0 in8.62 inPentair (formerly Hoffman)NEMA 1A20N20BLPExtrapolated20.0 in20.0 in10.00 inPentair (formerly Hoffman)NEMA 4CSD202010Extrapolated20.0 in24.0 in8.00 inPentair (formerly Hoffman)NEMA 4CSD202410Extrapolated20.0 in24.0 in10.00 inPentair (formerly Hoffman)NEMA 4CSD202410Extrapolated24.0 in16.0 in6.00 inPentair (formerly Hoffman)NEMA 4CSD24106Extrapolated24.0 in16.0 in6.00 inPentair (formerly Hoffman)NEMA 4CSD24166Extrapolated24.0 in16.0 in6.00 inPentair (formerly Hoffman)NEMA 4CSD24168Extrapolated24.0 in16.0 in8.00 inPentair (formerly Hoffman)NEMA 4CSD241610Extrapolated24.0 in16.0 in6.00 inPentair (formerly Hoffman)NEMA 4CSD241610Extrapolated24.0 in20.0 in6.00 inPentair (formerly Hoffman)NEMA 4CSD24206Extrapolated24.0 in20.0 in8.00 inPentair (formerly Hoffman)NEMA 1A24N20ALPTCP-124.0 in20.0 in8.00 inPentair (formerly Hoffman)NEMA 3A24R208HCRInterpolated24.0 in20.0 in8.00 inPentair (formerly Hoffman)NEMA 4CSD24208Interpolated24.0 in20.0 in8.00 inPentair (formerly Hoffman)NEMA 4CSD242010Interpolated <tr< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr<>										
20.0 in20.0 in10.00 inPentair (formerly Hoffman)NEMA 4CSD202010Extrapolated20.0 in24.0 in8.00 inPentair (formerly Hoffman)NEMA 4CSD20248Extrapolated20.0 in24.0 in10.00 inPentair (formerly Hoffman)NEMA 4CSD202410Extrapolated24.0 in16.0 in6.00 inPentair (formerly Hoffman)NEMA 4CSD202410Extrapolated24.0 in16.0 in6.62 inPentair (formerly Hoffman)NEMA 4CSD24166Extrapolated24.0 in16.0 in8.00 inPentair (formerly Hoffman)NEMA 4CSD24168Extrapolated24.0 in16.0 in8.00 inPentair (formerly Hoffman)NEMA 4CSD241610Extrapolated24.0 in16.0 in10.00 inPentair (formerly Hoffman)NEMA 4CSD24168Extrapolated24.0 in20.0 in6.00 inPentair (formerly Hoffman)NEMA 4CSD24206Extrapolated24.0 in20.0 in6.62 inPentair (formerly Hoffman)NEMA 4CSD24206Extrapolated24.0 in20.0 in6.62 inPentair (formerly Hoffman)NEMA 3A24R208HCRInterpolated24.0 in20.0 in8.00 inPentair (formerly Hoffman)NEMA 4CSD24208Interpolated24.0 in20.0 in8.00 inPentair (formerly Hoffman)NEMA 4CSD24208Interpolated24.0 in20.0 in8.62 inPentair (formerly Hoffman)NEMA 1A24N208LPInterpolated <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>										
20.0 in24.0 in8.00 inPentair (formerly Hoffman)NEMA 4CSD20248Extrapolated20.0 in24.0 in10.00 inPentair (formerly Hoffman)NEMA 4CSD202410Extrapolated24.0 in16.0 in6.00 inPentair (formerly Hoffman)NEMA 4CSD204166Extrapolated24.0 in16.0 in6.62 inPentair (formerly Hoffman)NEMA 1A24N16ALPExtrapolated24.0 in16.0 in8.00 inPentair (formerly Hoffman)NEMA 4CSD24168Extrapolated24.0 in16.0 in0.00 inPentair (formerly Hoffman)NEMA 4CSD241610Extrapolated24.0 in16.0 in0.00 inPentair (formerly Hoffman)NEMA 4CSD241610Extrapolated24.0 in20.0 in6.00 inPentair (formerly Hoffman)NEMA 4CSD24206Extrapolated24.0 in20.0 in6.62 inPentair (formerly Hoffman)NEMA 4CSD24206Extrapolated24.0 in20.0 in8.00 inPentair (formerly Hoffman)NEMA 4CSD24208Interpolated24.0 in20.0 in8.00 inPentair (formerly Hoffman)NEMA 4CSD24208Interpolated24.0 in20.0 in8.00 inPentair (formerly Hoffman)NEMA 4CSD24208Interpolated24.0 in20.0 in8.62 inPentair (formerly Hoffman)NEMA 4CSD24208Interpolated24.0 in20.0 in10.62 inPentair (formerly Hoffman)NEMA 1A24N200LPInterpolated				•						
20.0 in24.0 in10.00 inPentair (formerly Hoffman)NEMA 4CSD202410Extrapolated24.0 in16.0 in6.00 inPentair (formerly Hoffman)NEMA 4CSD24166Extrapolated24.0 in16.0 in6.62 inPentair (formerly Hoffman)NEMA 1A24N16ALPExtrapolated24.0 in16.0 in8.00 inPentair (formerly Hoffman)NEMA 4CSD24168Extrapolated24.0 in16.0 in10.00 inPentair (formerly Hoffman)NEMA 4CSD241610Extrapolated24.0 in20.0 in6.00 inPentair (formerly Hoffman)NEMA 4CSD24206Extrapolated24.0 in20.0 in6.00 inPentair (formerly Hoffman)NEMA 4CSD24206Extrapolated24.0 in20.0 in6.62 inPentair (formerly Hoffman)NEMA 1A24N20ALPTCP-124.0 in20.0 in8.00 inPentair (formerly Hoffman)NEMA 3RA24R208HCRInterpolated24.0 in20.0 in8.00 inPentair (formerly Hoffman)NEMA 4CSD24208Interpolated24.0 in20.0 in8.00 inPentair (formerly Hoffman)NEMA 4CSD24208Interpolated24.0 in20.0 in8.62 inPentair (formerly Hoffman)NEMA 4CSD242010Interpolated24.0 in20.0 in10.62 inPentair (formerly Hoffman)NEMA 4CSD242010Interpolated24.0 in20.0 in10.62 inPentair (formerly Hoffman)NEMA 1A24N20CLPInterpolated<										
24.0 in16.0 in6.00 inPentair (formerly Hoffman)NEMA 4CSD24166Extrapolated24.0 in16.0 in6.62 inPentair (formerly Hoffman)NEMA 1A24N16ALPExtrapolated24.0 in16.0 in8.00 inPentair (formerly Hoffman)NEMA 4CSD24168Extrapolated24.0 in16.0 in10.00 inPentair (formerly Hoffman)NEMA 4CSD241610Extrapolated24.0 in20.0 in6.00 inPentair (formerly Hoffman)NEMA 4CSD241010Extrapolated24.0 in20.0 in6.00 inPentair (formerly Hoffman)NEMA 4CSD24206Extrapolated24.0 in20.0 in6.62 inPentair (formerly Hoffman)NEMA 1A24N20ALPTCP-124.0 in20.0 in8.00 inPentair (formerly Hoffman)NEMA 3RA24R208HCRInterpolated24.0 in20.0 in8.00 inPentair (formerly Hoffman)NEMA 4CSD24208Interpolated24.0 in20.0 in8.00 inPentair (formerly Hoffman)NEMA 4CSD242010Interpolated24.0 in20.0 in8.62 inPentair (formerly Hoffman)NEMA 4CSD242010Interpolated24.0 in20.0 in10.62 inPentair (formerly Hoffman)NEMA 4CSD242010Interpolated24.0 in20.0 in10.62 inPentair (formerly Hoffman)NEMA 1A24N20CLPInterpolated24.0 in24.0 in6.00 inPentair (formerly Hoffman)NEMA 1A24N20CLPInterpolated										
24.0 in16.0 in6.62 inPentair (formerly Hoffman)NEMA 1A24N16ALPExtrapolated24.0 in16.0 in8.00 inPentair (formerly Hoffman)NEMA 4CSD24168Extrapolated24.0 in16.0 in10.00 inPentair (formerly Hoffman)NEMA 4CSD241610Extrapolated24.0 in20.0 in6.00 inPentair (formerly Hoffman)NEMA 4CSD24206Extrapolated24.0 in20.0 in6.62 inPentair (formerly Hoffman)NEMA 1A24N20ALPTCP-124.0 in20.0 in8.00 inPentair (formerly Hoffman)NEMA 3RA24R208HCRInterpolated24.0 in20.0 in8.00 inPentair (formerly Hoffman)NEMA 4CSD24208Interpolated24.0 in20.0 in8.00 inPentair (formerly Hoffman)NEMA 4CSD24208Interpolated24.0 in20.0 in8.62 inPentair (formerly Hoffman)NEMA 1A24N20BLPInterpolated24.0 in20.0 in10.00 inPentair (formerly Hoffman)NEMA 1A24N20CLPInterpolated24.0 in20.0 in10.62 inPentair (formerly Hoffman)NEMA 1A24N20CLPInterpolated24.0 in20.0 in10.62 inPentair (formerly Hoffman)NEMA 1A24N20CLPInterpolated24.0 in24.0 in6.00 inPentair (formerly Hoffman)NEMA 1A24N20CLPInterpolated24.0 in24.0 in6.62 inPentair (formerly Hoffman)NEMA 1A24N20CLPInterpolated <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>										
24.0 in16.0 in8.00 inPentair (formerly Hoffman)NEMA 4CSD24168Extrapolated24.0 in16.0 in10.00 inPentair (formerly Hoffman)NEMA 4CSD241610Extrapolated24.0 in20.0 in6.00 inPentair (formerly Hoffman)NEMA 4CSD24206Extrapolated24.0 in20.0 in6.62 inPentair (formerly Hoffman)NEMA 1A24N20ALPTCP-124.0 in20.0 in8.00 inPentair (formerly Hoffman)NEMA 3RA24R208HCRInterpolated24.0 in20.0 in8.00 inPentair (formerly Hoffman)NEMA 4CSD24208Interpolated24.0 in20.0 in8.00 inPentair (formerly Hoffman)NEMA 4CSD24208Interpolated24.0 in20.0 in8.62 inPentair (formerly Hoffman)NEMA 4CSD242010Interpolated24.0 in20.0 in10.00 inPentair (formerly Hoffman)NEMA 4CSD242010Interpolated24.0 in20.0 in10.62 inPentair (formerly Hoffman)NEMA 1A24N20LPInterpolated24.0 in20.0 in10.62 inPentair (formerly Hoffman)NEMA 1A24N20CLPInterpolated24.0 in24.0 in6.00 inPentair (formerly Hoffman)NEMA 4CSD24246Interpolated24.0 in24.0 in6.00 inPentair (formerly Hoffman)NEMA 1A24N20LPInterpolated24.0 in24.0 in6.00 inPentair (formerly Hoffman)NEMA 1A24N24ALPInterpolated <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<>										
24.0 in16.0 in10.00 inPentair (formerly Hoffman)NEMA 4CSD241610Extrapolated24.0 in20.0 in6.00 inPentair (formerly Hoffman)NEMA 4CSD24206Extrapolated24.0 in20.0 in6.62 inPentair (formerly Hoffman)NEMA 1A24N20ALPTCP-124.0 in20.0 in8.00 inPentair (formerly Hoffman)NEMA 3RA24R208HCRInterpolated24.0 in20.0 in8.00 inPentair (formerly Hoffman)NEMA 4CSD24208Interpolated24.0 in20.0 in8.00 inPentair (formerly Hoffman)NEMA 4CSD24208Interpolated24.0 in20.0 in8.62 inPentair (formerly Hoffman)NEMA 4CSD24208Interpolated24.0 in20.0 in8.62 inPentair (formerly Hoffman)NEMA 4CSD242010Interpolated24.0 in20.0 in10.62 inPentair (formerly Hoffman)NEMA 1A24N20CLPInterpolated24.0 in20.0 in10.62 inPentair (formerly Hoffman)NEMA 1A24N20CLPInterpolated24.0 in24.0 in6.00 inPentair (formerly Hoffman)NEMA 1A24N20CLPInterpolated24.0 in24.0 in6.00 inPentair (formerly Hoffman)NEMA 4CSD24246Interpolated24.0 in24.0 in6.62 inPentair (formerly Hoffman)NEMA 1A24N20LPInterpolated24.0 in24.0 in8.00 inPentair (formerly Hoffman)NEMA 1A24N24R4RInterpolated <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<>										
24.0 in20.0 in6.00 inPentair (formerly Hoffman)NEMA 4CSD24206Extrapolated24.0 in20.0 in6.62 inPentair (formerly Hoffman)NEMA 1A24N20ALPTCP-124.0 in20.0 in8.00 inPentair (formerly Hoffman)NEMA 3RA24R208HCRInterpolated24.0 in20.0 in8.00 inPentair (formerly Hoffman)NEMA 4CSD24208Interpolated24.0 in20.0 in8.00 inPentair (formerly Hoffman)NEMA 4CSD24208Interpolated24.0 in20.0 in8.62 inPentair (formerly Hoffman)NEMA 4CSD242010Interpolated24.0 in20.0 in10.00 inPentair (formerly Hoffman)NEMA 4CSD242010Interpolated24.0 in20.0 in10.62 inPentair (formerly Hoffman)NEMA 1A24N20CLPInterpolated24.0 in20.0 in10.62 inPentair (formerly Hoffman)NEMA 1A24N20CLPInterpolated24.0 in24.0 in6.00 inPentair (formerly Hoffman)NEMA 1A24N20CLPInterpolated24.0 in24.0 in6.00 inPentair (formerly Hoffman)NEMA 1A24N204LPInterpolated24.0 in24.0 in6.62 inPentair (formerly Hoffman)NEMA 4CSD24246Interpolated24.0 in24.0 in8.00 inPentair (formerly Hoffman)NEMA 1A24N204LPInterpolated24.0 in24.0 in8.00 inPentair (formerly Hoffman)NEMA 4CSD24248Interpolated<										
24.0 in20.0 in6.62 inPentair (formerly Hoffman)NEMA 1A24N20ALPTCP-124.0 in20.0 in8.00 inPentair (formerly Hoffman)NEMA 3RA24R208HCRInterpolated24.0 in20.0 in8.00 inPentair (formerly Hoffman)NEMA 4CSD24208Interpolated24.0 in20.0 in8.62 inPentair (formerly Hoffman)NEMA 4CSD242010Interpolated24.0 in20.0 in8.62 inPentair (formerly Hoffman)NEMA 4CSD242010Interpolated24.0 in20.0 in10.00 inPentair (formerly Hoffman)NEMA 4CSD242010Interpolated24.0 in20.0 in10.62 inPentair (formerly Hoffman)NEMA 1A24N20CLPInterpolated24.0 in20.0 in10.62 inPentair (formerly Hoffman)NEMA 1A24N20CLPInterpolated24.0 in24.0 in6.00 inPentair (formerly Hoffman)NEMA 1A24N20CLPInterpolated24.0 in24.0 in6.62 inPentair (formerly Hoffman)NEMA 1A24N204LPInterpolated24.0 in24.0 in6.62 inPentair (formerly Hoffman)NEMA 1A24N24ALPInterpolated24.0 in24.0 in8.00 inPentair (formerly Hoffman)NEMA 3RA24R248HCRInterpolated24.0 in24.0 in8.00 inPentair (formerly Hoffman)NEMA 4CSD24248Interpolated24.0 in24.0 in8.00 inPentair (formerly Hoffman)NEMA 4CSD24248Interpolated </td <td></td> <td></td> <td></td> <td>. , ,</td> <td></td> <td></td> <td></td>				. , ,						
24.0 in20.0 in8.00 inPentair (formerly Hoffman)NEMA 3RA24R208HCRInterpolated24.0 in20.0 in8.00 inPentair (formerly Hoffman)NEMA 4CSD24208Interpolated24.0 in20.0 in8.62 inPentair (formerly Hoffman)NEMA 1A24N20BLPInterpolated24.0 in20.0 in10.00 inPentair (formerly Hoffman)NEMA 4CSD242010Interpolated24.0 in20.0 in10.00 inPentair (formerly Hoffman)NEMA 4CSD242010Interpolated24.0 in20.0 in10.62 inPentair (formerly Hoffman)NEMA 1A24N20CLPInterpolated24.0 in20.0 in10.62 inPentair (formerly Hoffman)NEMA 1A24N20CLPInterpolated24.0 in24.0 in6.00 inPentair (formerly Hoffman)NEMA 4CSD24246Interpolated24.0 in24.0 in6.62 inPentair (formerly Hoffman)NEMA 1A24N20LPInterpolated24.0 in24.0 in8.00 inPentair (formerly Hoffman)NEMA 1A24N24ALPInterpolated24.0 in24.0 in8.00 inPentair (formerly Hoffman)NEMA 3RA24R248HCRInterpolated24.0 in24.0 in8.00 inPentair (formerly Hoffman)NEMA 4CSD24248Interpolated24.0 in24.0 in8.00 inPentair (formerly Hoffman)NEMA 4CSD24248Interpolated24.0 in24.0 in8.62 inPentair (formerly Hoffman)NEMA 1A24N24BLPInterpolated<										
24.0 in20.0 in8.00 inPentair (formerly Hoffman)NEMA 4CSD24208Interpolated24.0 in20.0 in8.62 inPentair (formerly Hoffman)NEMA 1A24N20BLPInterpolated24.0 in20.0 in10.00 inPentair (formerly Hoffman)NEMA 1A24N20BLPInterpolated24.0 in20.0 in10.62 inPentair (formerly Hoffman)NEMA 1A24N20CLPInterpolated24.0 in20.0 in10.62 inPentair (formerly Hoffman)NEMA 1A24N20CLPInterpolated24.0 in20.0 in10.62 inPentair (formerly Hoffman)NEMA 1A24N20CLPInterpolated24.0 in24.0 in6.00 inPentair (formerly Hoffman)NEMA 4CSD24246Interpolated24.0 in24.0 in6.62 inPentair (formerly Hoffman)NEMA 1A24N20LPInterpolated24.0 in24.0 in8.00 inPentair (formerly Hoffman)NEMA 1A24N24ALPInterpolated24.0 in24.0 in8.00 inPentair (formerly Hoffman)NEMA 3RA24R248HCRInterpolated24.0 in24.0 in8.00 inPentair (formerly Hoffman)NEMA 4CSD24248Interpolated24.0 in24.0 in8.62 inPentair (formerly Hoffman)NEMA 1A24N24BLPInterpolated24.0 in24.0 in8.62 inPentair (formerly Hoffman)NEMA 1A24N24BLPInterpolated24.0 in24.0 in8.62 inPentair (formerly Hoffman)NEMA 3RA24R2410HCRTCP-4<										
24.0 in20.0 in8.62 inPentair (formerly Hoffman)NEMA 1A24N20BLPInterpolated24.0 in20.0 in10.00 inPentair (formerly Hoffman)NEMA 4CSD242010Interpolated24.0 in20.0 in10.62 inPentair (formerly Hoffman)NEMA 1A24N20CLPInterpolated24.0 in20.0 in10.62 inPentair (formerly Hoffman)NEMA 1A24N20CLPInterpolated24.0 in20.0 in10.62 inPentair (formerly Hoffman)NEMA 1A24N20CLPInterpolated24.0 in24.0 in6.00 inPentair (formerly Hoffman)NEMA 4CSD24246Interpolated24.0 in24.0 in6.62 inPentair (formerly Hoffman)NEMA 1A24N204LPInterpolated24.0 in24.0 in8.00 inPentair (formerly Hoffman)NEMA 1A24N24ALPInterpolated24.0 in24.0 in8.00 inPentair (formerly Hoffman)NEMA 3RA24R248HCRInterpolated24.0 in24.0 in8.00 inPentair (formerly Hoffman)NEMA 4CSD24248Interpolated24.0 in24.0 in8.62 inPentair (formerly Hoffman)NEMA 1A24N24BLPInterpolated24.0 in24.0 in10.00 inPentair (formerly Hoffman)NEMA 3RA24R2410HCRTCP-424.0 in24.0 in10.00 inPentair (formerly Hoffman)NEMA 4CSD242410Interpolated24.0 in24.0 in10.00 inPentair (formerly Hoffman)NEMA 4CSD242410Interpolated<										
24.0 in20.0 in10.00 inPentair (formerly Hoffman)NEMA 4CSD242010Interpolated24.0 in20.0 in10.62 inPentair (formerly Hoffman)NEMA 1A24N20CLPInterpolated24.0 in20.0 in10.62 inPentair (formerly Hoffman)NEMA 1A24N20CLPInterpolated24.0 in20.0 in10.62 inPentair (formerly Hoffman)NEMA 1A24N20CLPInterpolated24.0 in24.0 in6.00 inPentair (formerly Hoffman)NEMA 4CSD24246Interpolated24.0 in24.0 in6.62 inPentair (formerly Hoffman)NEMA 1A24N24ALPInterpolated24.0 in24.0 in8.00 inPentair (formerly Hoffman)NEMA 3RA24R248HCRInterpolated24.0 in24.0 in8.00 inPentair (formerly Hoffman)NEMA 4CSD24248Interpolated24.0 in24.0 in8.00 inPentair (formerly Hoffman)NEMA 4CSD24248Interpolated24.0 in24.0 in8.62 inPentair (formerly Hoffman)NEMA 1A24N24BLPInterpolated24.0 in24.0 in10.00 inPentair (formerly Hoffman)NEMA 3RA24R2410HCRTCP-424.0 in24.0 in10.00 inPentair (formerly Hoffman)NEMA 4CSD242410Interpolated										
24.0 in20.0 in10.62 inPentair (formerly Hoffman)NEMA 1A24N20CLPInterpolated24.0 in20.0 in10.62 inPentair (formerly Hoffman)NEMA 1A24N20CLPInterpolated24.0 in24.0 in6.00 inPentair (formerly Hoffman)NEMA 4CSD24246Interpolated24.0 in24.0 in6.62 inPentair (formerly Hoffman)NEMA 1A24N24ALPInterpolated24.0 in24.0 in6.62 inPentair (formerly Hoffman)NEMA 1A24N24ALPInterpolated24.0 in24.0 in8.00 inPentair (formerly Hoffman)NEMA 3RA24R248HCRInterpolated24.0 in24.0 in8.00 inPentair (formerly Hoffman)NEMA 4CSD24248Interpolated24.0 in24.0 in8.62 inPentair (formerly Hoffman)NEMA 1A24N24BLPInterpolated24.0 in24.0 in8.62 inPentair (formerly Hoffman)NEMA 1A24N24BLPInterpolated24.0 in24.0 in10.00 inPentair (formerly Hoffman)NEMA 3RA24R2410HCRTCP-424.0 in24.0 in10.00 inPentair (formerly Hoffman)NEMA 4CSD242410Interpolated										
24.0 in20.0 in10.62 inPentair (formerly Hoffman)NEMA 1A24N20CLPInterpolated24.0 in24.0 in6.00 inPentair (formerly Hoffman)NEMA 4CSD24246Interpolated24.0 in24.0 in6.62 inPentair (formerly Hoffman)NEMA 1A24N24ALPInterpolated24.0 in24.0 in6.62 inPentair (formerly Hoffman)NEMA 1A24N24ALPInterpolated24.0 in24.0 in8.00 inPentair (formerly Hoffman)NEMA 3RA24R248HCRInterpolated24.0 in24.0 in8.00 inPentair (formerly Hoffman)NEMA 4CSD24248Interpolated24.0 in24.0 in8.62 inPentair (formerly Hoffman)NEMA 1A24N24BLPInterpolated24.0 in24.0 in10.00 inPentair (formerly Hoffman)NEMA 3RA24R2410HCRTCP-424.0 in24.0 in10.00 inPentair (formerly Hoffman)NEMA 4CSD242410Interpolated										
24.0 in24.0 in6.00 inPentair (formerly Hoffman)NEMA 4CSD24246Interpolated24.0 in24.0 in6.62 inPentair (formerly Hoffman)NEMA 1A24N24ALPInterpolated24.0 in24.0 in8.00 inPentair (formerly Hoffman)NEMA 3RA24R248HCRInterpolated24.0 in24.0 in8.00 inPentair (formerly Hoffman)NEMA 4CSD24248Interpolated24.0 in24.0 in8.00 inPentair (formerly Hoffman)NEMA 4CSD24248Interpolated24.0 in24.0 in8.62 inPentair (formerly Hoffman)NEMA 1A24N24BLPInterpolated24.0 in24.0 in10.00 inPentair (formerly Hoffman)NEMA 3RA24R2410HCRTCP-424.0 in24.0 in10.00 inPentair (formerly Hoffman)NEMA 4CSD242410Interpolated										
24.0 in24.0 in6.62 inPentair (formerly Hoffman)NEMA 1A24N24ALPInterpolated24.0 in24.0 in8.00 inPentair (formerly Hoffman)NEMA 3RA24R248HCRInterpolated24.0 in24.0 in8.00 inPentair (formerly Hoffman)NEMA 4CSD24248Interpolated24.0 in24.0 in8.62 inPentair (formerly Hoffman)NEMA 1A24N24BLPInterpolated24.0 in24.0 in8.62 inPentair (formerly Hoffman)NEMA 1A24N24BLPInterpolated24.0 in24.0 in10.00 inPentair (formerly Hoffman)NEMA 3RA24R2410HCRTCP-424.0 in24.0 in10.00 inPentair (formerly Hoffman)NEMA 4CSD242410Interpolated										
24.0 in24.0 in8.00 inPentair (formerly Hoffman)NEMA 3RA24R248HCRInterpolated24.0 in24.0 in8.00 inPentair (formerly Hoffman)NEMA 4CSD24248Interpolated24.0 in24.0 in8.62 inPentair (formerly Hoffman)NEMA 1A24N24BLPInterpolated24.0 in24.0 in10.00 inPentair (formerly Hoffman)NEMA 3RA24R2410HCRTCP-424.0 in24.0 in10.00 inPentair (formerly Hoffman)NEMA 4CSD242410Interpolated				•						
24.0 in24.0 in8.00 inPentair (formerly Hoffman)NEMA 4CSD24248Interpolated24.0 in24.0 in8.62 inPentair (formerly Hoffman)NEMA 1A24N24BLPInterpolated24.0 in24.0 in10.00 inPentair (formerly Hoffman)NEMA 3RA24R2410HCRTCP-424.0 in24.0 in10.00 inPentair (formerly Hoffman)NEMA 4CSD242410Interpolated										
24.0 in24.0 in8.62 inPentair (formerly Hoffman)NEMA 1A24N24BLPInterpolated24.0 in24.0 in10.00 inPentair (formerly Hoffman)NEMA 3RA24R2410HCRTCP-424.0 in24.0 in10.00 inPentair (formerly Hoffman)NEMA 4CSD242410Interpolated										
24.0 in24.0 in10.00 inPentair (formerly Hoffman)NEMA 3RA24R2410HCRTCP-424.0 in24.0 in10.00 inPentair (formerly Hoffman)NEMA 4CSD242410Interpolated										
24.0 in 24.0 in 10.00 in Pentair (formerly Hoffman) NEMA 4 CSD242410 Interpolated										
	24.0 in	24.0 in	12.62 in	Pentair (formerly Hoffman)	NEMA 1	A24N24DLP	Interpolated			

	L&H Airco - Temperature Control Panels									
	II. Certified Subcomponents Table									
Enclosu	Enclosures									
Height	Width	Depth	Manufacturer	NEMA Rating	Part Number	Tested				
24.0 in	24.0 in	12.62 in	Pentair (formerly Hoffman)	NEMA 1	A24N24DLP	Interpolated				
24.0 in		8.00 in	Pentair (formerly Hoffman)	NEMA 4	CSD24308	Interpolated				
	30.0 in	10.00 in	Pentair (formerly Hoffman)	NEMA 4	CSD243010	Interpolated				
	20.0 in	8.00 in	Pentair (formerly Hoffman)	NEMA 4	CSD30208	Interpolated				
30.0 in		8.62 in	Pentair (formerly Hoffman)	NEMA 1	A30N20BLP	Interpolated				
	20.0 in	10.00 in	Pentair (formerly Hoffman)	NEMA 4	CSD302010	Interpolated				
	24.0 in	6.62 in	Pentair (formerly Hoffman)	NEMA 1	A30N24ALP	Interpolated				
	24.0 in	8.00 in	Pentair (formerly Hoffman)	NEMA 3R	A30R248HCR	Interpolated				
	24.0 in	8.00 in	Pentair (formerly Hoffman)	NEMA 4	CSD30248	Interpolated				
	24.0 in	8.62 in	Pentair (formerly Hoffman)	NEMA 1	A30N24BLP	Interpolated				
	24.0 in	10.00 in	Pentair (formerly Hoffman)	NEMA 3R	A30R2410HCR	Interpolated				
30.0 in		10.00 in	Pentair (formerly Hoffman)	NEMA 4	CSD302410	Interpolated				
	24.0 in	10.62 in	Pentair (formerly Hoffman)	NEMA 1	A30N24CLP	Interpolated				
	24.0 in	10.62 in	Pentair (formerly Hoffman)	NEMA 1	A30N24CLP	Interpolated				
	24.0 in	12.62 in	Pentair (formerly Hoffman)	NEMA 1	A30N24DLP	Interpolated				
30.0 in	24.0 in	12.62 in	Pentair (formerly Hoffman)	NEMA 1	A30N24DLP	Interpolated				
	30.0 in	8.00 in	Pentair (formerly Hoffman)	NEMA 3R	A30R308HCR	Interpolated				
30.0 in	30.0 in	8.00 in	Pentair (formerly Hoffman)	NEMA 4	CSD30308	Interpolated				
	30.0 in	8.62 in	Pentair (formerly Hoffman)	NEMA 1	A30N30BLP	Interpolated				
	30.0 in	10.00 in	Pentair (formerly Hoffman)	NEMA 4	CSD303010	Interpolated				
30.0 in	30.0 in	12.00 in	Pentair (formerly Hoffman)	NEMA 3R	A30R3012HCR	Interpolated				
	30.0 in	16.00 in	Pentair (formerly Hoffman)	NEMA 3R	A30R3016HCR	Interpolated				
	24.0 in	6.62 in	Pentair (formerly Hoffman)	NEMA 1	A36N24ALP	TCP-2				
	24.0 in	8.00 in	Pentair (formerly Hoffman)	NEMA 4	CSD36248	Interpolated				
36.0 in	24.0 in	8.62 in	Pentair (formerly Hoffman)	NEMA 1	A36N24BLP	Interpolated				
	24.0 in	10.00 in	Pentair (formerly Hoffman)	NEMA 4	CSD362410	Interpolated				
36.0 in	24.0 in	12.00 in	Pentair (formerly Hoffman)	NEMA 3R	A36R2412HCR	Interpolated				
	30.0 in	6.62 in	Pentair (formerly Hoffman)	NEMA 1	A36N30ALP	Interpolated				
36.0 in	30.0 in	8.00 in	Pentair (formerly Hoffman)	NEMA 4	CSD36308	Interpolated				
36.0 in	30.0 in	8.62 in	Pentair (formerly Hoffman)	NEMA 1	A36N30BLP	Interpolated				
36.0 in	30.0 in	12.00 in	Pentair (formerly Hoffman)	NEMA 3R	A36R3012HCR	Interpolated				
	30.0 in	12.62 in	Pentair (formerly Hoffman)	NEMA 1	A36N30DLP	Interpolated				
36.0 in	30.0 in	12.62 in	Pentair (formerly Hoffman)	NEMA 1	A36N30DLP	Interpolated				
36.0 in	36.0 in	8.00 in	Pentair (formerly Hoffman)	NEMA 4	CSD36368	Interpolated				
36.0 in	36.0 in	10.00 in	Pentair (formerly Hoffman)	NEMA 3R	A36R3610HCR	Interpolated				
36.0 in	36.0 in	12.00 in	Pentair (formerly Hoffman)	NEMA 3R	A36R3612HCR	Interpolated				
42.0 in	30.0 in	12.00 in	Pentair (formerly Hoffman)	NEMA 3R	A42R3012HCR	Interpolated				
42.0 in	36.0 in	12.00 in	Pentair (formerly Hoffman)	NEMA 3R	A42R3612HCR	Interpolated				
48.0 in	36.0 in	12.00 in	Pentair (formerly Hoffman)	NEMA 3R	A48R3612HCR	Interpolated				
	36.0 in	16.00 in	Pentair (formerly Hoffman)	NEMA 3R	A48R3616HCR	Interpolated				
60.0 in	36.0 in	12.00 in	Pentair (formerly Hoffman)	NEMA 3R	A60R3612HCR	TCP-3				

L&H Airco - Temperature Control Panels II. Certified Subcomponents Table						
Control Transformers	Manufacturer	Model	Test Status			
RIB Transformer, 120-24 VAC, 40 VA	Functional Devices	RIB TR40VA001	TCP-1			
RIB Transformer, 120-24 VAC, 100 VA	Functional Devices	RIB TR100VA001	TCP-2			
Power Supply	Manufacturer	Model	Test Status			
40 VA, 120-24 VAC w/ outlets	Functional Devices	PSH40AB10	TCP-2			
2x100 VA, 120-24 VAC w/ outlets	Functional Devices	PSH100A100AB10	Interpolated			
24 VAC to 1.5-28 VCD	Functional Devices	PSM24A24DAS	Interpolated			
2x100 VA, 120-24 VAC w/ outlets	Functional Devices	PSH100A100AW	TCP-4			
Battery Backup w/ Surge Protection	Manufacturer	Model	Test Status			
600 VA w/ LCD	Cyber Power	CP600LCD	TCP-1, 2, 4			
Ethernet Port & Switch	Manufacturer	Model	Test Status			
Elinx 7 Port 10/100 Ethernet w/ 1 Port Single Mode Fiber Switch	B&B Electronics	EIR208-ST	TCP-2			
Control Modules	Manufacturer	Model	Test Status			
Field Controller	Alerton BACtalk	VAV-DD7	Interpolated			
Field Controller	Alerton BACtalk	VAV-SD2A	Interpolated			
Field Controller	Alerton BACtalk	VAV-SD-A	Interpolated			
Field Controller	Alerton BACtalk	VAViH-SD	Interpolated			
Field Controller	Alerton BACtalk	VLD-362	Interpolated			
Field Controller	Alerton BACtalk	VLC-444	Interpolated			
Field Controller	Alerton BACtalk	VLC-550	Interpolated			
Field Controller	Alerton BACtalk	VLC-651R	Interpolated			
Field Controller	Alerton BACtalk	VLC-660R	Interpolated			
Field Controller	Alerton BACtalk	VLC-853	TCP-1			
Field Controller	Alerton BACtalk	VLC-1188	Interpolated			
Field Controller	Alerton BACtalk	VLCA-1688	Interpolated			
Field Controller	Alerton BACtalk	VLC-1600	Interpolated			
Field Controller	Alerton BACtalk	VLC-16160	Interpolated			
Field Controller	Alerton BACtalk	MSTP-REP	Interpolated			
Field Controller	Alerton BACtalk	FLG-MODBUS	Interpolated			
Field Controller	Alerton BACtalk	VLX	TCP-3			
Field Controller	Alerton BACtalk	VLX Platinum	Interpolated			

L&H Airco - Temperature Control Panels II. Certified Subcomponents Table							
Control Modules	Manufacturer	Model	Test Status				
Field Controller	Alerton BACtalk	EXP-1048	TCP-3				
Field Controller	Alerton BACtalk	EXP-10120	Interpolated				
Field Controller	Alerton BACtalk	EXP-2200	TCP-3				
Control Module Power Supply	Alerton BACtalk	BCM-PWS 715000000	TCP-2				
Control Module Ethernet Module	Alerton BACtalk	BCM-ETH 715000100	TCP-2				
Control Module Modem	Alerton BACtalk	BCM-MDM 715000200	TCP-2				
Control Module w/ Modbus Gateway	Alerton BACtalk	BCM-MDBS 715000900	Interpolated				
Control Module w/ IBEX TUX Trunk	Alerton BACtalk	BCM-TUX 715000400	Interpolated				
Control Module w/ 1 MS/TP Segment	Alerton BACtalk	BCM-MS/TP 715000300	TCP-2				
Transducers	Manufacturer	Model	Test Status				
Universal Differential Pressure Transducer	Veris	PXULX055 w/ LCD	TCP-1, TCP-3				
Relays	Manufacturer	Model	Test Status				
SPDT Relay, Indicator Light, 24 VAC Coil	ldec	RH1B-UL AC24V	TCP-1				
SPDT Relay Base	Idec	SH1B-05	TCP-1				
DPDT Relay, Indicator Light, 24 VAC Coil	Idec	RH2B-UL AC24V	TCP-1, TCP-3				
DPDT Relay Base	Idec	SH2B-05	TCP-1, TCP-3				

Test Report R002900 Rev A – TCP-1

TCP-1 Component Panel for FC-1 24"H x 20"W x 6.6"D NEMA 1, 45 lbs Bottom component shown in picture

Wall mounted (4) -1/4" bolts



Buildi	ng	Т	est	S _{DS}	S _{DS} z/h Horizontal		Vertical		
Code	e	Cri	teria	(g)	2/11	A _{FLX-H} (g)	A _{RIG-H} (g)	A _{FLX-V} (g)	A _{RIG-H} (g)
CBC 20)16	ICC-ES AC 156		2.29	1	3.66	2.75	1.53	0.61
Natural Frequencies Test Results									
F-B	S-	S	v	The UUT maintained structural integrity and functionality					
n/a	n/	′a	n/a	after	after the AC156 test. UUT full of contents during testing.				

Subcomponents	Manufacturer	Part #
Controls Enclosure	Hoffman	A24N20ALP
Field Controller	Alerton BACtalk	VLC-853
Univ. Diff. Pressure Transducer w/ LCD	Veris	PXUL055
RIB Transformer, 40VA	Functional Devices	RIB TR40VA001
Battery Backup w/ Surge Protection, 600VA	Cyber Power	CP600LCD
SPDT Relay, Indicator Light, 24VAC Coil	Idec	RH1B-UL AC24V
SPDT Relay Base	Idec	SH1B-05
DPDT Relay, Indicator Light, 24VAC Coil	Idec	RH2B-UL AC24V
DPDT Relay Base	Idec	SH2B-05

Test Report R002900 Rev A – TCP-2

TCP-2 Component Panel Global 36"H x 24"W x 6.6"D NEMA 1, 96 lbs Top component shown in picture

Wall mounted (4) - 3/8'' bolts



Buildi	ng	٦	ſest	S _{DS}	z/h Horizo		Horizontal		tical
Code	9	Cr	iteria	(g)	2/11	A _{FLX-H} (g)	A _{RIG-H} (g)	A _{FLX-V} (g)	A _{RIG-H} (g)
CBC 20	16	ICC-ES AC 156		2.29	1	3.66	2.75	1.53	0.61
Natu	ral F	reque	encies			Tes	t Results		
F-B	S	-S	V	The UUT maintained structural integrity and functionality					
n/a	n,	/a	n/a	after the AC156 test. UUT full of contents during testing.					

Subcomponents	Manufacturer	Part #
Controls Enclosure	Hoffman	A36N24ALP
Control Module Power Supply	Alerton BACtalk	BCM-PWS 715000000
Control Module Ethernet w/ MS/TP	Alerton BACtalk	BCM-ETH 715000100
Control Module Modem	Alerton BACtalk	BCM-MDM 715000200
Control Module w/ MS/TP	Alerton BACtalk	BCM-MS/TP 715000300
Elinx 7 Port 10/100 Ethernet, 1 Port Single Mode Switch	B&B Electronics	EIR208-ST
40VA Power Supply 120-24VAC	Functional Devices	PSH40AB10
Battery Backup w/ Surge Protection, 600VA	Cyber Power	CP600LCD
RIB Transformer, 100VA	Functional Devices	RIB TR100VA001

Test Report R002900 Rev A – TCP-3

TCP-3 Component Panel for AH-1 60"H x 36"W x 12"D NEMA 3R, 248 lbs

Wall mounted (4) - 3/8'' bolts



Buildi	ng	٦	ſest	S _{DS}	z/h	Horizontal		Vertical	
Code	9	Cr	iteria	(g)	2/ N	A _{FLX-H} (g)	A _{RIG-H} (g)	A _{FLX-V} (g)	A _{RIG-H} (g)
CBC 20	016		C-ES C 156	2.03	1	3.24	2.43	1.36	0.54
Natural Frequencies					Tes	t Results			
F-B	S	-S	v	The UUT maintained structural integrity and functionality					
n/a	n	/a	n/a	after the AC156 test. UUT full of contents during testing.					

Subcomponents	Manufacturer	Part #
Controls Enclosure	Hoffman	A60R3612HCR
Building Controller	Alerton BACtalk	VLX
Building Controller – Expansion	Alerton BACtalk	EXP-1048
Building Controller – Expansions	Alerton BACtalk	EXP-2200
Univ. Diff. Pressure Transducer w/LCD	Veris	PXUL055
DPDT Relay, Indicator Light, 24VAC Coil	Idec	RH2B-UL AC24V
DPDT Relay Base	Idec	SH2B-05

Test Report R002900 Rev A – TCP-4

TCP-4 Power Panel for AH-1 Power 24"H x 20"W x 10"D NEMA 3R, 84 lbs

Wall mounted (4) - 1/4'' bolts



Buildi	ng	٦	ſest	S _{DS}	z/h	Horizontal		Vertical	
Code	e	Cr	iteria	(g)	2/11	A _{FLX-H} (g)	A _{RIG-H} (g)	A _{FLX-V} (g)	A _{RIG-H} (g)
CBC 20	016		C-ES C 156	2.03	1	3.24	2.43	1.36	0.54
Natural Frequencies			Test Results						
F-B	S	-S	v	The UUT maintained structural integrity and functionality					
n/a	n	/a	n/a	after the AC156 test. UUT full of contents during testing.					

Subcomponents	Manufacturer	Part #
Controls Enclosure	Hoffman	A24R2010HCR
Battery Backup w/ Surge Protection, 600VA	Cyber Power	CP600LCD
2x100VA Power S. 120-24VAC	Functional Devices	PSH100A100AW