

DEPARTMENT OF HEALTH CARE ACCESS AND INFORMATION OFFICE OF STATEWIDE HOSPITAL PLANNING AND DEVELOPMENT

APPLICATION FOR HCAI SPECIAL SEISMIC	OFFICE USE ONLY
CERTIFICATION PREAPPROVAL (OSP)	APPLICATION #: OSP-0821
HCAI Special Seismic Certification Preapproval (OSP)	
Type: X New Renewal	
Manufacturer Information	
Manufacturer: Philips Healthcare	
Manufacturer's Technical Representative: Curtis Stemm	
Mailing Address: Veenpluis 4-6,, Best, 5684PC	
Telephone: (440) 869-4608 Email: curtis.stemm@	philips.com
Product Information	
Product Name: See Attachement 1	P A A
Product Model Number(s): See Attachement 1	- F
Product Category: CT Systems OSP-0821	i ci
Product Sub-Category: NA	
General Description: System components of Philips CT systems. Docu listed in Attachement 1 for use with Philips CT ima	ment is limited to the componet identification numbers aging systems.
Mounting Description: Base Mounted Rigid DATE: 09/06/2024	
Tested Seismic Enhancements: Seismic enhancements made to the test anomalies during the tests shall be income	st units and/or modifications required to address or porated into the production units.
Applicant Information	
Applicant Company Name: EASE LLC	
Contact Person: Jonathan Roberson	
Mailing Address: 5877 Pine Ave. Suite 210, Chino Hills, CA 91709	
Telephone: (909) 606-7622 Email: jon@easeco.co	om
Title: Principal Structural Engineer	



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esponsible for the Engineering and Test Report(s)
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Email: jon@EASECo.com
☐ IEEE 344 ☐ IEEE 693 ☐ NEBS 3
FOR CODE CON
ABORATORIES, INC. (ETL)
5229-3513
Email: Jeremy@etIdallas.com
ATE: 09/06/2024
ATE: 09/06/2024



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Seismic Parameters

Desig	n Basis of Equipment or Components	(Fp/Wp) =	1.44 (SDS=2.0 @ z/h=	1) / 1.13 (SE	DS=2.5 @ z/h=0)
	SDS (Design spectral response accele	eration at she	ort period, g) = $2.0 (z/h=$	=1) / 2.5 (z/h	=0)
	ap (Amplification factor) =	1			
	Rp (Response modification factor) =	2.5			
	Ω_0 (System overstrength factor) =	2.0			
	Ip (Importance factor) =	1.5			
	z/h (Height ratio factor) =	1 and 0			
	Natural frequencies (Hz) =	See Attach	ment		
	Overall dimensions and weight =	See Attach	- NIL	0	
	Approval (For Office Use Only) -	Approvar	203 201 - 102 201 - 102 20		
Date:	<u>9/6/2024</u>			Titles	Queen ison Lleelth Facilities
Name		BY:M	ohammad Karim	Title:	Supervisor, Health Facilities
-	al Seismic Certification Valid Up to: SE tion of Approval (if applicable):	DATE	09/06/2024	z/h =	<u> </u>
		PRNIA 6	UILDINGCO		



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EASE EQUIPMENT ANCHORAGE & SEISMIC ENGINEERING

ATTACHMENT 1: SEISMIC CERTIFIED COMPONENTS

ATTACHMENT PAGE | 1 OF 1

TABLE 1:

Distributor Philips Healthcare									S _{DS} = 2.0 at z/h = 1 S _{DS} = 2.5 at z/h = 0			
Component		Identification	Approx. Dimensions [In.]			Weight	Maxint				P	
Componei	nt	Number	W	D	Н	[lb.]	Mount	Basis ^[1]	F ₽/W₽	ap	R _P	Ω_0
Cabinet Co (GAST/JUN	ompressor - 50/60 Hz N AIR) ^[2]	459800882783	24.8	23.8	0 33.8	248	Floor	2303-1	1.44 1.13	1	2 1⁄2	2
•	co SF1 FF 60 Hz. or w/ Filter Kit ^[3]	300007683391	39.1	26.4	45.5	437	Floor	2303-2	1.44 1.13	1	2 1⁄2	2
	co SF1 FF 50 Hz. or w/ Filter Kit ^[3]	300007539331	39.1	26.4	45.5 P-0821	437	Floor	SAME (2303-2)	1.44 1.13	1	2 1⁄2	2
Automatior Air Buffer A	n Yeruham Assembly ^[4]	459801790583	27.6	17.8	19.8	68	Floor	2303-3	1.44 1.13	1	2 1⁄2	2
Mounting	Rigid Base: free-standi	ng, base-mounted co	<mark>nfigur</mark> ation w	vith the compo	nent rigidly atta	iched to a su	p <mark>portin</mark> g struc	ture and no la	teral suppo	ort above	the base.	
Notes	 SAME indicates and/or software. Cabinet Compress Requires use of At 	Indicates that a unit n component is physica or requires use of Ph las Copco seismic bra r buffer seismic kit se	ally, mechan ilips Seismic acket (Part N	ically, and elec Kit 45980106 Io. 300011910	trically the sar 7821 181).				nces limited	l to mod	el number,	color,

BUILDING



EQUIPMENT ANCHORAGE & SEISMIC ENGINEERING

Philips Healthcare

ATTACHMENT 2: TEST SPECIMEN SUMMARY

ATTACHMENT PAGE | 1 OF 2

UUT2303-1	JUN AIR Cabi	net Compress	sor					
Manufacturer:	GAST / JUN AIR	/						
Identification:	Jun Air Model No. 120R689-40MA (as labeled) Jun Air Model No. 120R-40MA (as configured) Philips Part No.: 459800882783 (No label)							
Description:	Production-equiva 200-240V 60Hz /		prototype	Cum				
	Requires the use Kit-compressor se							
Mounting:	<u>Rigid Base mount</u> J429 Grade 5 bol	<u>ted</u> using (4) – 3/8 ts to aluminum in	8" dia. SAE terface plate.					
		FOR	CODEC			-		
	Dimensions (in.)	ED.		Lowest	Resonant Freque	ncy (Hz.)		
Width	Depth	Height	Weight (lb.)	Side-Axis	Front-Axis	Vert-Axis		
24.8	23.8	33.8	248	13.3	21.8	37.8		
CC-ES AC156 S	Shake Table Test Par	ameters	SP-0821	Ċ				
S _{DS} (G)	z/h	IP ////	A _{FLX-H} (G)	Arig-н <mark>(G)</mark>	A _{FLX-V} (G)	A _{RIG-V} (G)		
2.0	1							
2.5	1 0 156 requirements for s			onal per ma <mark>nufac</mark> tu	1.68 rer requirement afte	0.68 r AC156 test.		
2.5	0	structural integrity a	nd remained function	onal per ma <mark>nufac</mark> tu				
2.5 Unit satisfied AC	0 156 requirements for s Atlas Copco SF	structural integrity a	nd remained function mpressor	onal per ma <mark>nufac</mark> tu				
2.5 Unit satisfied AC UUT2303-2 <i>Manufacturer:</i>	0 156 requirements for s Atlas Copco SF Atlas Copco Philips Part No. 3 Atlas Copco Type (455300129861) x (300007590351)	estructural integrity a 51 FF 60 Hz Co 00007683391 (as a SF1 FF 60 Hz Co with Filter Kit for o	nd remained function mpressor ssembly) ompressor compressor	onal per ma <mark>nufac</mark> tu				
2.5 Unit satisfied AC UUT2303-2 <i>Manufacturer:</i> <i>Identification:</i>	0 156 requirements for s Atlas Copco SF Atlas Copco Philips Part No. 3 Atlas Copco Type (455300129861)	estructural integrity a 51 FF 60 Hz Co 00007683391 (as a SF1 FF 60 Hz Co with Filter Kit for o	nd remained function mpressor ssembly) ompressor compressor	onal per ma <mark>nufac</mark> tu				
2.5 Unit satisfied AC UUT2303-2 Manufacturer: Identification:	0 156 requirements for s Atlas Copco SF Atlas Copco Philips Part No. 3 Atlas Copco Type (455300129861) v (300007590351) Requires use of A	estructural integrity a 51 FF 60 Hz Co 00007683391 (as e SF1 FF 60 Hz C with Filter Kit for o Atlas Copco Seisn ted using (4) – 3/8	nd remained function mpressor (sembly) (compressor (compressor (compressor) (compre	onal per ma <mark>nufac</mark> tu				
2.5 Jnit satisfied AC UUT2303-2 Manufacturer: Identification: Description:	0 156 requirements for s Atlas Copco SF Atlas Copco SF Atlas Copco Type (455300129861) (300007590351) Requires use of A (300011910181) <u>Rigid Base mount</u>	estructural integrity a 51 FF 60 Hz Co 00007683391 (as e SF1 FF 60 Hz C with Filter Kit for o Atlas Copco Seisn ted using (4) – 3/8	nd remained function mpressor (sembly) (compressor (compressor (compressor) (compre	onal per manufactu		r AC156 test.		
2.5 Jnit satisfied AC UUT2303-2 Manufacturer: Identification: Description:	0 156 requirements for s Atlas Copco SF Atlas Copco Philips Part No. 3 Atlas Copco Type (455300129861) v (300007590351) Requires use of A (300011910181) <u>Rigid Base mount</u> J429 Grade 5 bolt	estructural integrity a 51 FF 60 Hz Co 00007683391 (as e SF1 FF 60 Hz C with Filter Kit for o Atlas Copco Seisn ted using (4) – 3/8	nd remained function mpressor (sembly) (compressor (compressor (compressor) (compre	onal per manufactu	rer requirement afte	r AC156 test.		
2.5 Jnit satisfied AC UUT2303-2 Manufacturer: Identification: Description: Mounting:	0 156 requirements for s Atlas Copco SF Atlas Copco SF Atlas Copco Type (455300129861) v (300007590351) Requires use of A (300011910181) <u>Rigid Base mount</u> J429 Grade 5 bolt	estructural integrity a 51 FF 60 Hz Co 00007683391 (as e SF1 FF 60 Hz C with Filter Kit for o Atlas Copco Seisn ted using (4) – 3/8 ts to aluminum in	nd remained function mpressor (sembly) compressor compressor nic Bracket B" dia. SAE terface plate.	onal per manufactu	rer requirement afte	r AC156 test.		
2.5 Jnit satisfied AC UUT2303-2 Manufacturer: Identification: Description: Mounting: Width 39.1	0 156 requirements for s Atlas Copco SF Atlas Copco SF Atlas Copco Type (455300129861) v (300007590351) Requires use of A (300011910181) <u>Rigid Base mount</u> J429 Grade 5 bolt Dimensions (in.) Depth	atructural integrity a 51 FF 60 Hz Co 00007683391 (as a SF1 FF 60 Hz C with Filter Kit for o Atlas Copco Seisn ted using (4) – 3/8 ts to aluminum in Height 45.5	nd remained function mpressor esembly) ompressor compressor nic Bracket B" dia. SAE terface plate. Weight (lb.)	onal per manufactu	rer requirement afte	r AC156 test.		
2.5 Jnit satisfied AC UUT2303-2 Manufacturer: Identification: Description: Mounting: Width 39.1	0 156 requirements for s Atlas Copco SF Atlas Copco SF Atlas Copco Type (455300129861) v (300007590351) Requires use of A (300011910181) <u>Rigid Base mount</u> J429 Grade 5 bolt Dimensions (in.) Depth 26.4	atructural integrity a 51 FF 60 Hz Co 00007683391 (as a SF1 FF 60 Hz C with Filter Kit for o Atlas Copco Seisn ted using (4) – 3/8 ts to aluminum in Height 45.5	nd remained function mpressor esembly) ompressor compressor nic Bracket B" dia. SAE terface plate. Weight (lb.)	onal per manufactu	rer requirement afte	r AC156 test.		



Philips Healthcare

ATTACHMENT 2: TEST SPECIMEN SUMMARY

ATTACHMENT PAGE | 2 OF 2

UUT2303-3	Automation Y	reruham Air Bu	ffer Assembly			
Manufacturer:	Automation Yer	uham				-
Identification:	Philips Part No.	459801790583				- /
						Carlos de
Description:	Air Buffer Asser	mbly				
		f Air buffer seismic	: kit	A	-	
	(300009849731			- AMERICAN	Constant of the	F
Mounting:		<u>unted</u> using (4) – 3			100	4.
	J429 Grade 5 b	olts to aluminum i	nterface plate.			
		FO	R CODE CO			
	Dimensions (ir	1.)		Lowest	Resonant Frequer	ncy (Hz.)
				Side-Axis	Front-Axis	Vert-Axis
Width	Depth	Height	Weight (lb.)	Olde-ANI3	TTOTIL-AXIS	Vert-Axis
Width 27.6	Depth 17.8	Height 19.8	Weight (lb.) 68	13.1	11.9	12.4
27.6	· · ·	19.8				
27.6	17.8	19.8				
27.6 CC-ES AC156	17.8 SHAKE TABLE TES	19.8 ST PARAMETERS	0SP-0821	13.1	11.9	12.4

