

OFFICE OF STATEWIDE HEALTH PLANNING AND DEVELOPMENT FACILITIES DEVELOPMENT DIVISION

APPLICATION FOR OSHPD SPECIAL SEISMIC	OFFICE USE ONLY				
CERTIFICATION PREAPPROVAL (OSP)	APPLICATION #: OSP-0702				
OSHPD Special Seismic Certification Preapproval (OSP)					
Type: X New Renewal					
Manufacturer Information					
Manufacturer: Philips Medical Systems DMC GmbH					
Manufacturer's Technical Representative: Ming Xiao					
Mailing Address: Roentgenstrasse 24, Hamburg, Ha 22335					
Telephone: (94034) 971-2306 Email: Ming.Xiao@Philip	s.com				
FORCODECON					
Product Information	D				
Product Name: Fluoroscopy and Radiography Systems	Z.				
Product Type: NA OSP-0702	1 CF				
Product Model Number: CombiDiagnost R90					
General Description: Multiple component digital radiography and fluorosc	opy medical diagnostic imaging system.				
Mounting Description: Rigid, See Certified Product Tables					
Tested Seismic Enhancements: Seismic enhancements made to the test anomalies during the tests shall be incorp	units and/or modifications required to address porated into the production units.				
Applicant Information	2				
Applicant Company Name: WE Gundy & Associates, Inc	DE				
Contact Person: Travis Soppe					
Mailing Address: PO Box 9121, Boise, ID 83707					
Telephone: (208) 342-5989 Email: tsoppe@wegai.co	bm				

Title: President

"Access to Safe. Quality Healthcare Environments that Meet California's Diverse and Dynamic Needs"

STATE OF CALIFORNIA – HEALTH AND HUMAN SERVICES AGENCY

OSHPD



OFFICE OF STATEWIDE HEALTH PLANNING AND DEVELOPMENT FACILITIES DEVELOPMENT DIVISION

California Licensed Structural Engineer Responsible for the Engineering and Test Report(s)
Company Name: W.E. GUNDY & ASOCIATES INC.
Name: Travis Soppe California License Number: S6115
Mailing Address: P.O. Box 9121, Boise, ID 83707
Telephone: (208) 342-5989 Email: tsoppe@wegai.com
Certification Method
GR-63-Core X ICC-ES AC156 IEEE 344 IEEE 693 NEBS 3
Other (Please Specify):
EDR CODE CO.
Testing Laboratory
Company Name: IABG TEST LABORATORY
Contact Person: Florian Bösl
Mailing Address: Einsteinstrasse 20, Ottobrunn Barvaria 85521
Telephone: (4034) 971-1821Email: _boesl@iabg.de
DATE: 08/24/2021
C A A A A A A A A A A A A A A A A A A A
FILEORNIA BUILDING CODE 200
ABUILDING

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Seismic Parameters									
Design Basis of Equipment or Component	s (Fp/Wp) = See Attachments								
SDS (Design spectral response acce	leration at short period, g) = 2.0 at z / l	h = 1.0 and	d 2.5 at z / h = 0						
ap (Amplification factor) =	ap (Amplification factor) = See attachments								
R _P (Response modification factor) =	R _P (Response modification factor) = See attachments								
Ω_0 (System overstrength factor) =									
lp (Importance factor) =	1.5								
z/h (Height ratio factor) =	1 and 0								
Natural frequencies (Hz) =	See Attachment								
Overall dimensions and weight =	See Attachment CODE								
	ED FORTE COMS								
	UN OCHDO	12							
OSHPD Approval (For Office Use Onl	y) - Approval Expires on 12/31/20	252							
Date: 8/24/2021	OSP-0702	(m)							
Name: Mohammad Karim		Title:	Supervisor, Health Facilities						
Special Seismic Certification Valid Up to: S	SDS (g) = See Above	z/h =	See Above						
Condition of Approval (if applicable):	DATE: 08/24/2021								
		0							
	RIA BUILDING CODE	201							
	OP.								
	ORNIA BUILDING CODE								

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OSHPD

Table 1

PHILIPS MEDICAL SYSTEMS DMC GmbH SPECIAL SEISMIC CERTIFICATION **CERTIFIED SYSTEM AND COMPONENTS**



System: CombiDiagnost R90		ufacture	r: Philips	l Systems DMC GmbH							
Philips	Din	nensions	(in)	Weight	Mounting	UUT					
Part Number	Width	Depth	Height	(lb)	Withunting						
Geometry Stand											
9890-010-70151	93.9	80.4	109.2	2976 ²	floor	UUT-6A					
9890-010-70151	153.3	80.4	140.7	2976	floor	UUT-6B					
Generator Cabinets											
4512-202-03621	21.7	20.5	77.0	420	floor/wall	UUT-11					
9890-000-70307	21.7	20.5	77.0	745	floor/wall	UUT-12					
4512-202-03591	0521.70	7020.5	77.0	485	floor/wall	UUT-13					
Touch Screen Console and M-Shield											
4512-134-69652	08/4294/2	2014.0	4.3	12	floor	UUT-10					
4512-133-65532	9.1	6.0	1.8	1	wall	UUT-3					
	Philips Part Number Ge 9890-010-70151 9890-010-70151 9890-010-70151 9890-010-70151 9890-010-70151 9890-010-70151 9890-010-70151 9890-010-70151 1 9890-010-70151 1 9890-000-70307 4512-202-03591 1	Philips Part Number Din Width 9890-010-70151 93.9 9890-010-70151 93.9 9890-010-70151 153.3 9890-000-70307 21.7 4512-202-03621 21.7 4512-202-03591 21.7 4512-202-03591 21.7 4512-202-03591 21.7	Philips Part Number Dimensions Width 9890-010-70151 93.9 80.4 9890-010-70151 153.3 80.4 9890-010-70151 153.3 80.4 9890-010-70151 153.3 80.4 9890-010-70151 153.3 80.4 9890-010-70151 153.3 80.4 4512-202-03621 21.7 20.5 4512-202-03591 21.7 20.5 4512-202-03591 21.7 20.5 4512-202-03591 21.7 20.5 4512-202-03591 21.7 20.5 4512-134-69652 14.04 14.0	Philips Part Number Dimensions (in) Width Depth Height Geometry Stand 109.2 9890-010-70151 93.9 80.4 109.2 9890-010-70151 153.3 80.4 140.7 9890-010-70151 153.3 80.4 140.7 9890-010-70151 21.7 20.5 77.0 4512-202-03621 21.7 20.5 77.0 4512-202-03591 21.7 20.5 77.0 4512-202-03591 21.7 20.5 77.0 4512-202-03591 21.7 20.5 77.0 4512-134-69652 14.0 4.3 4.3	Philips Part Number Dimensions (in) Width Weight Depth Weight (lb) 9890-010-70151 93.9 80.4 109.2 2976 ² 9890-010-70151 93.9 80.4 140.7 2976 9890-010-70151 153.3 80.4 140.7 2976 4512-202-03621 21.7 20.5 77.0 420 9890-000-70307 21.7 20.5 77.0 420 4512-202-03591 21.7 20.5 77.0 485 Touch Screen Console and Haus 4451 140.7 12	Philips Part Number Dimensions (in) Width Weight Depth Mounting (lb) 9890-010-70151 93.9 80.4 109.2 2976 ² floor 9890-010-70151 93.9 80.4 140.7 2976 floor 9890-010-70151 153.3 80.4 140.7 2976 floor Generator Cabinets 4512-202-03621 21.7 20.5 77.0 420 floor/wall 9890-000-70307 21.7 20.5 77.0 485 floor/wall 4512-202-03591 21.7 20.5 77.0 485 floor/wall 4512-134-69652 014.04 014.0 4.3 12 floor					

Notes: ¹ All components are manufactured by Philips Medical Systems DMC GmbH unless noted in (). The part numbers listed uniquely identify the type of component, manufacturer, and material of construction for each sub-component within the tested units. ²Geometry stand weight does not include simulated patient weight used for test on UUT-6A. See UUT summary sheet for simulated patient weight.

SEISMIC CERTIFICATION LIMITS										
System Component	Code	S _{DS} (g)	z / h	Ip	a _P	R _P	Ω ₀	$\mathbf{F}_{\mathbf{P}}$ / $\mathbf{W}_{\mathbf{P}}$		
Geometry Stand	CBC	2.0	1.0	1.50	1.0	1.5	1.5	2.40		
	2019	2.5	0	1.30				1.13		
Generator Cabinets	CBC	2.0	1.0	1.50	2.5	6.0	2.0	1.50		
	2019	2.5	0					1.13		
Geo Touch Screen Console	CBC	2.0	1.0	1.50	1.0	2.5	2.0	1.44		
	2019	2.5	0	1.50	0 1.0			1.13		
M-Shield	CBC	2.0	1.0	1.50	1.0	2.5	2.0	1.44		
	2019	2.5	0	1.30	1.0			1.13		

UUT-6A

UNIT UNDER TEST (UUT) SUMMARY SHEET



Mounting Details: Floor mount with $8 - \frac{3}{4}$ inch grade 8 bolts with washers.

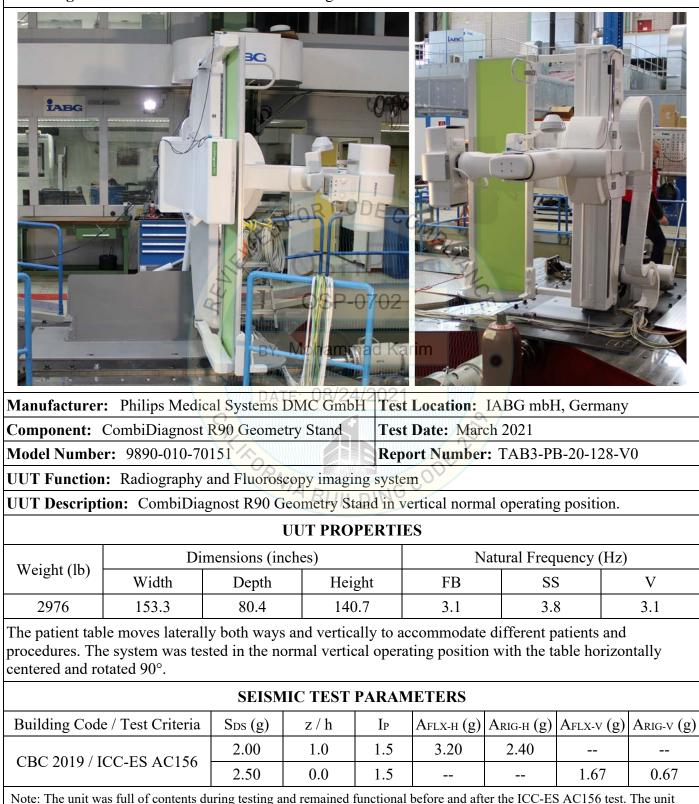
Mounting Det	ans: Floor moul	11 with 6 - 7	4 men grau		with washe	15.				
Manufacturer: Philips Medical Systems DMC GmbH Test Location: LABG mbH, Germany										
	CombiDiagnost	0		1	Date: Sept		-			
-	er: 9890-010-70		iry Stallo		ort Number			<u></u>		
	Radiography		ima gi	-		• IAD3-F	D-20-126- v	0		
	ion: CombiDiag	4				rmal an area	ting position	-		
UUT Descript						mai opera	ling position	1.		
			UUT PRO	PERTI						
Weight (lb)		nensions (in					uency (Hz)			
_ 、 /	Width	Depth	Hei	-	FB	SS		V		
2976	93.9	80.4	109		3.2	3.		3.5		
procedures. Th	le moves laterall e system was tes t of 32.9", and a t	ted in the no	ormal opera	ating pos	sition with th			ntered, a		
		SEISM	IC TEST	PARAN	IETERS					
Building Code	e / Test Criteria	S _{DS} (g)	z / h	IP	AFLX-H (g)	Arig-h (g)	AFLX-V (g)	Arig-v (g)		
CDC 2010 / I		2.00	1.0	1.5	3.20	2.40				
СВС 2019 / 1	CBC 2019 / ICC-ES AC156 2.50 0.0 1.5 1.67 0.67									
	as full of contents du ural integrity during				before and aft	er the ICC-ES	S AC156 test.	The unit		

UUT-6B

UNIT UNDER TEST (UUT) SUMMARY SHEET



Mounting Details: Floor mount with $8 - \frac{3}{4}$ inch grade 8 bolts with washers.

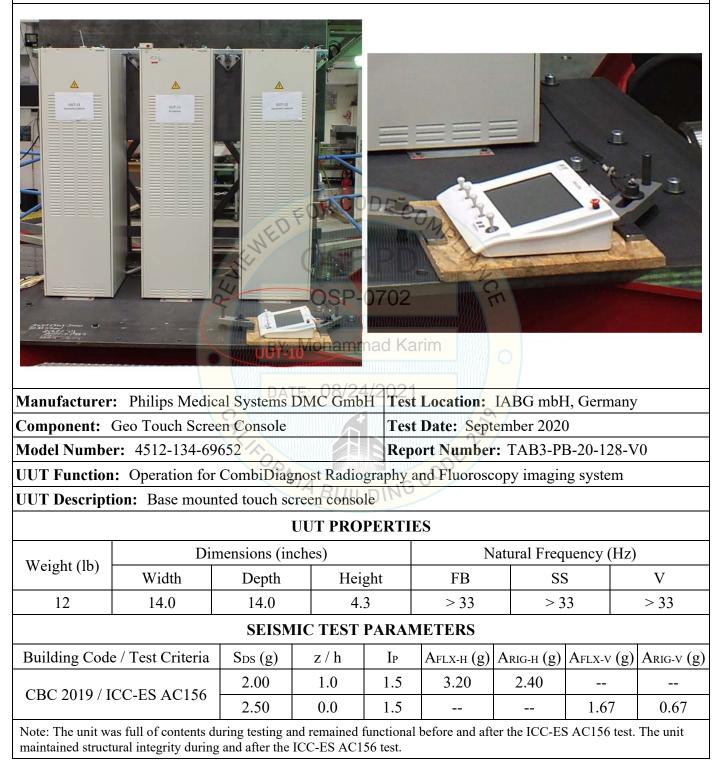


maintained structural integrity during and after the ICC-ES AC156 test.

UNIT UNDER TEST (UUT) SUMMARY SHEET



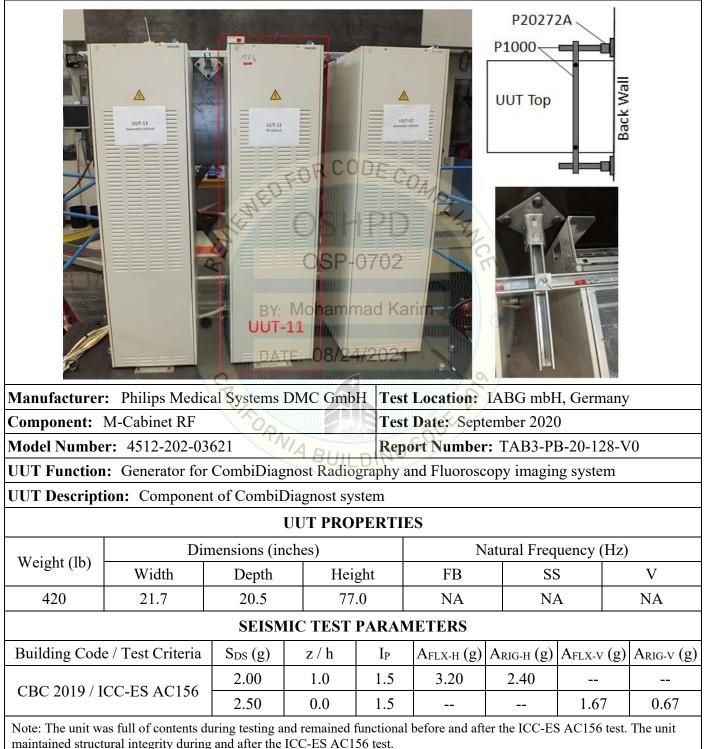
Mounting Details: Floor mount with 3 – M5 grade 8 bolts.



UNIT UNDER TEST (UUT) SUMMARY SHEET



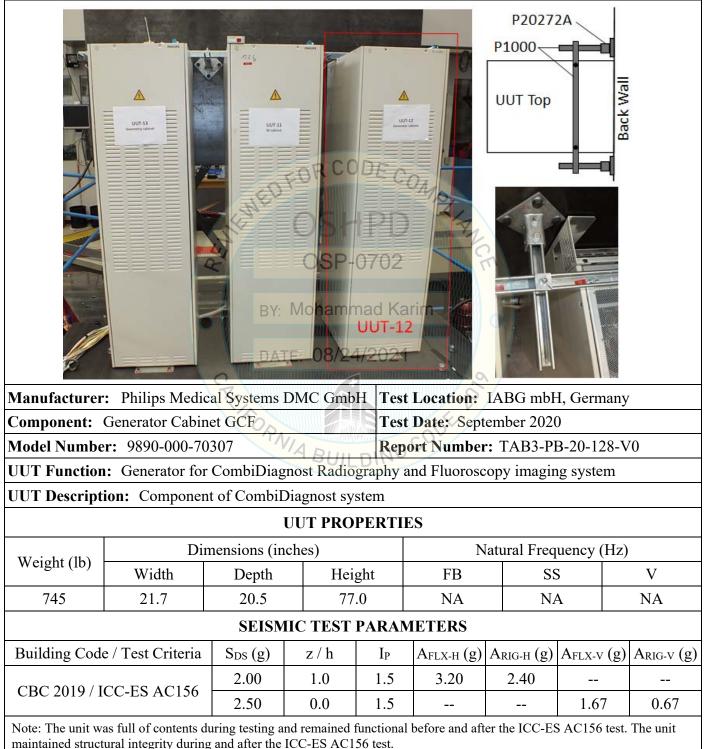
Combined floor, wall, top restraint. Floor restrained in the front with 2 - 3/8" grade 8 Mounting Details: bolts / washers, wall restrained in the rear with 4 - 1/4" grade 8 bolts / washers, and top restrained with 2 - M8 grade 8 bolts to a Unistrut top support (see detail below).



UNIT UNDER TEST (UUT) SUMMARY SHEET



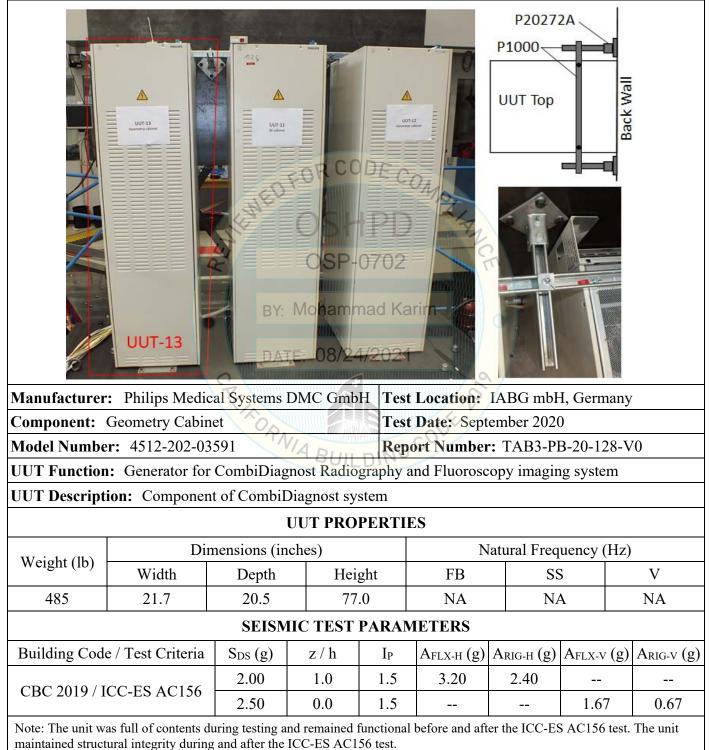
Mounting Details: Combined floor, wall, top restraint. Floor restrained in the front with 2 - 3/8" grade 8 bolts / washers, wall restrained in the rear with 4 - 1/4" grade 8 bolts / washers, and top restrained with 2 - M8 grade 8 bolts to a Unistrut top support (see detail below).



UNIT UNDER TEST (UUT) SUMMARY SHEET



Combined floor, wall, top restraint. Floor restrained in the front with 2 - 3/8" grade 8 Mounting Details: bolts / washers, wall restrained in the rear with 4 - 1/4" grade 8 bolts / washers, and top restrained with 2 - M8 grade 8 bolts to a Unistrut top support (see detail below).



UNIT UNDER TEST (UUT) SUMMARY SHEET



Mounting Details: Wall mounted with 4 – M3 grade 5 screws.

Manufacturer: AXIOMTEC									
Component: Model Numbe	M-Shield er: 4512-133-65:	532			t Date: Mar oort Number	1	B_20_128_	VO	
	: Firewall hardy	0					<u> </u>		
	ion: Component		Radiogra	phy and H	luoroscopy	imaging sys	stems		
				OPERTI					
	Din	nensions (in	ches)		Natural Frequency (Hz)				
Weight (lb)	Width	Depth	-	eight	FB	SS		V	
1	9.1	6.0		1.8	NA	Nz	4	NA	
		SEISM	IIC TES	F PARA	METERS				
Building Code	e / Test Criteria	S _{DS} (g)	z / h	Ip	Aflx-H (g)	Arig-H (g)	AFLX-V (g) Arig-v (g)	
		2.00	1.0	1.5	3.20	2.40			
СВС 2019/1	CC-ES AC156	2.50	0.0	1.5			1.67	0.67	
	as full of contents du cural integrity during				l before and aft	ter the ICC-ES	S AC156 tes	t. The unit	