

POWER AND NETWORK REQUIREMENTS

POWER SUPPLY

COVER SUPPLY		SINGLE PHASE + GROUND
VOLIAGES		220/230 V ± 10%
MAXIMUM INSTANTANEOU	MAXIMUM INSTANTANEOUS POWER (DURING EXPOSITRES)	
MAYINA DOWNER IN CO.	STOWER (DONING EXPOSURES)	6.9 KVA
WANTED IN STANDBY	DBY	0.5 kVA
FREQUENCIES		E0/60 Up 1 4 Up
		ZH T # ZH OO /UC
	Distribution transformer	0.339 Ohm
LINE INIPEDANCE	Each feeder cable	0.095 Ohm
	Generator input terminal	

0.025 Onm

- The section of the supply cable should be calculated in accordance with its length and the maximum TNS neutral point connection recommended (TNC neutral point connection must not be used)

 Power supply should come into a Power Distribution Box (PDB) containing the protective units and controls.
- (Main low-voltage transformer side) and the protective devices in the PDB. There must be discrimination between supply cable protective device at the beginning of the installation

SUPPLY CHARACTERISTICS

- Power input must be separated from any others which may generate transients (elevators, air conditioning, radiology rooms equipped with high speed film changers...)
- All equipment (lighting, power outlets, etc...) installed with GE system components must be powered

GROUND SYSTEM

cableways and to additional equipotential connections linking up all the conducting units in the rooms where Equipotential : the equipotential link will be by means of an equipotential bar.

This equipotential bar should be connected to the protective earth conductors in the ducts of the non GE

CABLES

- All cables must be isolated and flexible. Power and cable installation must comply with the distribution diagram below
- Cable color codes must comply with standards for electrical installation.
- Case PDB furnished by GE: the cables for signals and remote control (Y, SEO, L...) will go to PDB with a pigtail length of 1.5m, and will be connected during installation. Each conductor will be identified and isolated (screw
- disconnected by use of a tool internal and permanent connection must be made in a way such the line supply cable can only be power distribution box and cannot be externally connected to the Power Distribution Box via a plug. The The ligne supply cable from the generator must be internally and permanently connected to the hospital

CABLEWAYS

The general rules for laying cableways should meet the conditions laid down in current standards and regulations,

- Protecting cables against water (cableways should be waterproof
- Protecting cables against abnormal temperatures (proximity to heating pipes or ducts)
- Protecting cables against temperature shocks

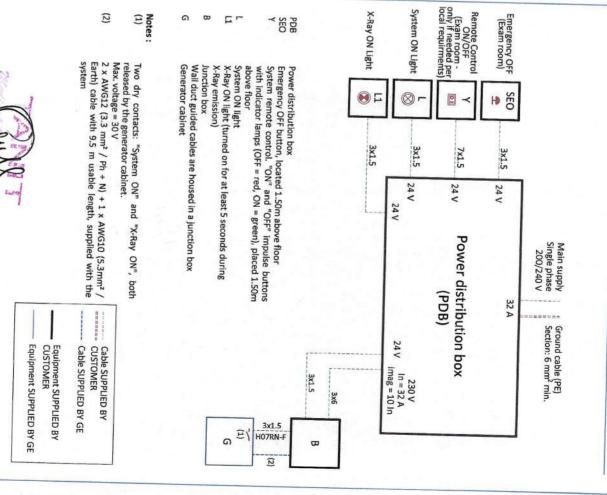
Replacing cables (cableways should be large enough for cables to be replaced). Metal cableways should be

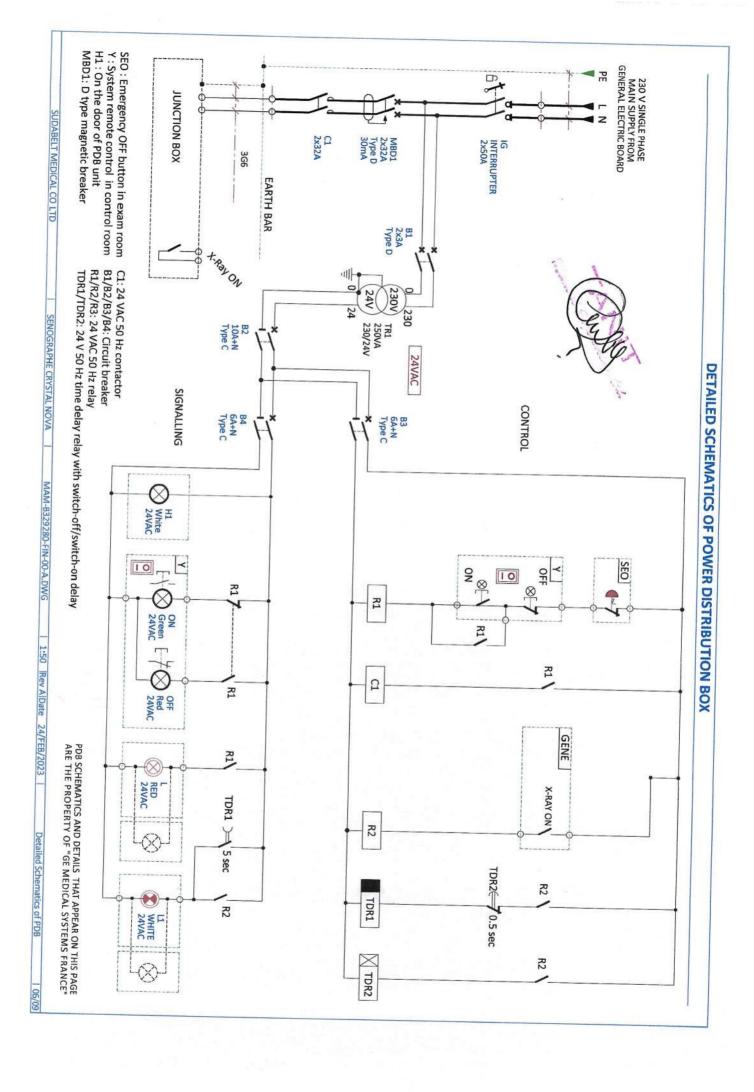
SUDABELT MEDICAL CO LTD SENOGRAPHE CRYSTAL NOVA

MAM-B329280-FIN-00-A.DWG

PDB SCHEMATICS AND DETAILS THAT APPEAR ON THIS PAGE
ARE THE PROPERTY OF "GE MEDICAL SYSTEMS FRANCE"
Power Requirements - Power Distribution | OF

POWER DISTRIBUTION





TEMPERATURE AND HUMIDITY SPECIFICATIONS

IN-USE CONDITIONS

Environmental conditions must ensure patient and operator comfort and must be maintained within the range

oysem neat dissipation		Atmospheric pressure	veigtive numidity (1)	remperature	
				15°C [59°F]	Min
0.44 kW [1507 BTU/h]	Average	700 hPa to 1060 hPa	10% to 80%	23°C±3°C [73°F±5°F]	Recommended
11				30°C [86°F]	Max

STORAGE CONDITIONS

Relative humidity (1)	Atmospheric pressure	lemperature
10% to 95%	500 hPa to 1060 hPa	-5°C to +40°C [23°F to 104°F]

(1) Non-condensing Storage for less than 5 days

AIR RENEWAL

According to local standards

In case of using air conditioning systems that have a risk of water leakage it is recommended not to install it above electric equipment or to take measures to protect the equipment from dropping water.

ENVIRONMENTAL SPECIFICATIONS

MAGNETIC INTERFERENCE

In order to avoid interference on the Senographe system, static field limits from the surrounding environment are

- Static field is specified as less than 1 Gauss in the Examination room (Gantry room), and the Control Area (for all
- Static field is specified as less than 3 Gauss in the Technical Room

LIGHT REQUIREMENTS

in order to obtain a room brightness value of 160 lux or less for correct viewing of monitor images, the room lights must be equipped with a dimmer switch. Shades and/or drapes must be fitted to windows.

ALTITUDE

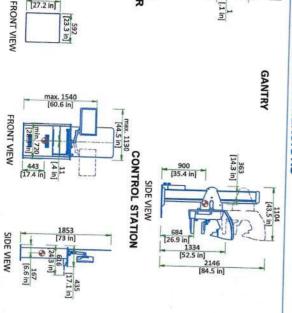
Operating altitude: from 0 m [0 ft] to 3000 m [9,843 ft].



EQUIPMENT DIMENSIONS

2002 [78.8 in]

[:1 in]



GENERATOR FRONT VIEW

CONNECTIVITY REQUIREMENTS

Your new GE Healthcare imaging modality will require local and remote connectivity to enable our full range of

- Local connectivity This allows your system to connect to local devices such as PACS and modality worklist. We will require network information to configure the system(s), and a live ethernet port(s) prior to the delivery of the system(s).
- Remote connectivity Your GE Healthcare service warranty includes InSite™ (applicable to InSite capable hospital against equipment downtime and revenue loss by quickly connecting you to a GE Healthcare products), a powerful broadband-based service which enables digital tools that can help guard your

Depending on product family and software version, imaging systems can be connected in one of the following

- 1. TLS over TCP Port 443 (Preferred method for new products) via:
- b. Customer-provided Proxy or a. DNS resolution
- c. GE Proxy (Available in some regions)
 2. Site-to-Site IPsec VPN tunnel

GEHC prior to delivery of the system to ensure the system is tested and connectivity is enabled prior to the required to set up these connections. GEHC will send out communication to these contacts, which will include the Please provide the GE project manager with the contact information for the resource that can provide information completion of the installation project's Connectivity requirements, and a Connectivity form. This form will need to be completed and returned to

NOT TO SCALE

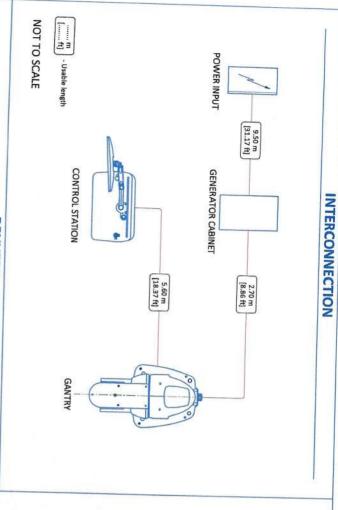
SUDABELT MEDICAL CO LTD

SENOGRAPHE CRYSTAL NOVA

Center of gravity &

SIDE VIEW

690 [27.2 in]





THE CUSTOMER MUST:

- Provide an area, adjacent to the GE suite, for delivery and unloading of the GE equipment.

 Ensure that the dimensions of all doors, corridors, ceiling heights, are sufficient to accommodate the movement of GE equipment from the delivery area to the specific rooms of the GE site.

 Ensure that the access route will accommodate the weights of the equipment and any transportation, lifting
- If the parking and dock facilities are on property which does not belong to the customer, ensure that all necessary steps have been taken to ensure their temporary use by GE.

DELIVERY WITH DOLLIES

Minimum dimensions for door: Width 750 mm [29.52 in] Height 2136 mm [84.09 in] (2002 mm [78.81 in] with gantry's top cover, without dolly)



Rev AlDate 24/FEB/2023

DISCLAIMER

GENERAL SPECIFICATIONS

- GE is not responsible for the installation of developers and associated equipment, lighting, cassette trays and protective screens or derivatives not mentioned in the order.
- wiring and room arrangements. When preparing the study, every effort has been made to consider even aspect of the actual equipment expected to be installed The final study contains recommendations for the location of GE equipment and associated devices, electrical
- the pre-installation work and electrical power supply are given according to the information noted during on-site study and the wishes expressed by the customer. The layout of the equipment offered by GE, the dimensions given for the premises, the details provided for
- be accurate as they may not have been verified on site. GE cannot take any responsibility for errors due to The room dimensions used to create the equipment layout may originate from a previous layout and may not lack of information.
- Dimensions apply to finished surfaces of the room.
- Actual configuration may differ from options presented in some typical views or tables
- be subject to further investigation by GE about the feasibility of installing the equipment. Any reservations If this set of final drawings has been approved by the customer, any subsequent modification of the site must
- customer's responsibility to ensure that the site and final equipment placement complies with all applicable There may be local requirements that could impact the placement of these components. It remains the The equipment layout indicates the placement and interconnection of the indicated equipment components
- All work required to install GE equipment must be carried out in compliance with the building regulations and the safety standards of legal force in the country concerned.
- for any damage resulting therefrom. These drawings are not to be used for actual construction purposes. The company cannot take responsibility

CUSTOMER RESPONSIBILITIES

- It is the responsibility of the customer to prepare the site in accordance with the specifications stated in the final study. A detailed site readiness checklist is provided by GE. It is the responsibility of the customer to up and ensure that actions in the checklist are complete, and if necessary, will aid in the rescheduling of the ensure all requirements are fulfilled and that the site conforms to all specifications defined in the checklist and delivery and installation date. final study. The GE Project Manager of Installation (PMI) will work in cooperation with the customer to follow
- Prior to installation, a structural engineer of record must ensure that the floor and ceiling is designed in such a ceiling, floor or walls are the customer's responsibility. responsibility of the structural engineer. Execution of load bearing structures supporting equipment on the structural elements, dimensioning and the selection of appropriate installation methods are the sole way that the loads of the installed system can be securely borne and transferred. The layout of additional

RADIO-PROTECTION

Suitable radiological protection must be determined by a qualified radiological physicist in conformation with local regulations. GE does not take responsibility for the specification or provision of radio-protection.

THE UNDERSIGNED, HEREBY CERTIFIES THAT I HAVE READ AND APPROVED THE PLANS IN THIS DOCUMENT.

CUSTOMER SITE READINESS REQUIREMENTS

Product specific Pre-installation Manual REQUIRED MANUALS FOR SYSTEM PRE-INSTALLATION **Document Number*** Refer to cover page

*documents can be accessed in multiple languages at https://customer-doc.cloud.gehealthcare.com/#/cdp/dashboard

- A mandatory component of this drawing set is the GE Healthcare Pre-installation manual. Failure to reference the Pre-installation manual will result in incomplete documentation required for site design and preparation.
- The items on the GE Healthcare Site Readiness Checklist DOC1809666 are REQUIRED to facilitate equipment delivery to the site. Equipment will not be delivered if these requirements are not satisfied
- Any deviation from these drawings must be communicated in writing to and reviewed by your local GE Healthcare installation project manager prior to making changes
- manager can supply a reference list of rigging contractors Make arrangements for any rigging, special handling, or facility modifications that must be made to deliver the equipment to the installation site. If desired, your local GE Healthcare installation project
- New construction requires the following:
- Power for drills and other test equipment,
- Provide for refuse removal and disposal (e.g. crates, cartons, packing)
- For CT systems it is required to minimize vibrations within the scan room. It is the customer's meet the GE vibration specification. Refer to the system Pre-installation manual for vibration responsibility to contract a vibration consultant/engineer to implement site design modifications to

