The intended use for this Cut Sheet is to communicate the spatial requirements as well as the basic architectural, electrical, structural, and mechanical requirements for this piece of imaging equipment. The information provided in this document is for reference only, during the pre-planning stage, and therefore does not contain any site specific detailed requirements. This information is subject to change without notice. Federal, state and/or local requirements may impact the final placement of the components. It is the customer’s responsibility to ensure that the final layout and placement of the equipment complies with all applicable requirements.
# SOMATOM GO.TOP

## SPECIFICATIONS

### EQUIPMENT LEGEND

<table>
<thead>
<tr>
<th>NO</th>
<th>DESCRIPTION</th>
<th>SMS</th>
<th>WEIGHT (LBS)</th>
<th>BTU/HR</th>
<th>DIMENSIONS (INCHES)</th>
<th>REMARKS</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>OPERATING CONSOLE (OPTION)</td>
<td>☺</td>
<td>79.5</td>
<td>**</td>
<td>47 1/4</td>
<td>36 5/8</td>
</tr>
<tr>
<td>2</td>
<td>19&quot; FLAT SCREEN CONTROL MONITOR, KEYBOARD AND CONTROL DEVICE</td>
<td>☼</td>
<td>20</td>
<td>---</td>
<td>16 9/16</td>
<td>8 1/4</td>
</tr>
<tr>
<td>3</td>
<td>SOMATOM GO.TOP GANTRY WITH INJECTOR ARM (OPTION)</td>
<td>☼</td>
<td>2,855</td>
<td>24,226</td>
<td>87 1/8</td>
<td>32 3/4</td>
</tr>
<tr>
<td>4</td>
<td>PATENT TABLE - VARIO</td>
<td>☺</td>
<td>853</td>
<td>1,024</td>
<td>97 1/16</td>
<td>25 5/8</td>
</tr>
<tr>
<td>5</td>
<td>WIRELESS ACCESS POINT (OPTION)</td>
<td>☺</td>
<td>2.5</td>
<td>---</td>
<td>---</td>
<td>---</td>
</tr>
<tr>
<td>6</td>
<td>EATON SURGE PROTECTIVE DEVICE PANEL (OPTION)</td>
<td>☼</td>
<td>13.5</td>
<td>---</td>
<td>7 1/2</td>
<td>6 11/16</td>
</tr>
<tr>
<td>7</td>
<td>MEDRAD DISPLAY CONTROL UNIT/ BASE UNIT (OPTION)</td>
<td>☼</td>
<td>---</td>
<td>---</td>
<td>---</td>
<td>---</td>
</tr>
<tr>
<td>8</td>
<td>GANTRY MOUNT MEDRAD INJECTOR (OPTION)</td>
<td>☼</td>
<td>---</td>
<td>---</td>
<td>---</td>
<td>---</td>
</tr>
<tr>
<td>9</td>
<td>CAREVISION DUAL MONITOR (OPTION)</td>
<td>☺</td>
<td>104</td>
<td>---</td>
<td>---</td>
<td>---</td>
</tr>
</tbody>
</table>

### FINISHED ROOM HEIGHT

- FOR CT GANTRY ONLY: MINIMUM 6'-10 11/16"
- FOR CT GANTRY WITH GANTRY ARM: MINIMUM 7'-6 9/16"
- CAREVISION MONITOR/CEILING MOUNT: SEE DETAIL ON 5-102 SHEET

### REMOTE SYSTEM DIAGNOSTICS

Siemens Remote Services (SRS) requires a connection between the SRS remote server and Siemens Systems via remote local area network access, to ensure the uptime of your system. A customer VPN capable firewall or other VPN appliance is preferred.
TRANSPORT AND DELIVERY NOTES

TOTAL GANTRY TRANSPORT WEIGHT: 3,272 LBS.
GANTRY WITHOUT TRANSPORT DEVICE: 2,855 LBS.
TRANSPORT DEVICE: 417 LBS.

NORMAL TRANSPORT REQUIREMENTS:
DURING THE MOVEMENT OF THE GANTRY THROUGH CORRIDORS
THE TRANSPORT CASTERS ARE SWIVELED OUT FOR STABILITY AS
SHOWN BELOW. THE MAXIMUM WIDTH IS 5'–4 1/4" AND THE
MAXIMUM LENGTH IS 9'–0 1/4" WHEN CASTERS ARE SWIVELED
OUT.

NARROW SPACE TRANSPORT REQUIREMENTS:
WHEN TRANSPORTING THE GANTRY THROUGH A NARROW SPACE OR
DOORWAY THE TRANSPORT CASTERS ARE SWIVELED IN AS SHOWN
BELOW. THE MAXIMUM WIDTH IS 3'–5" AND THE MAXIMUM LENGTH
IS 11'–3 3/4". THE GANTRY CAN FIT THROUGH A 3'–3 3/8"
OPENING WHEN THE TRANSPORT ADAPTER IS REMOVED.

POWER REQUIREMENTS

<table>
<thead>
<tr>
<th>SYSTEM</th>
<th>SUPPLY VOLTAGE (VOLTS)</th>
<th>POWER CONSUMPTION (kVA)</th>
<th>SUPPLY IMPEDANCE (mΩ)</th>
<th>MAIN CIRCUIT BREAKER (AMPS)</th>
</tr>
</thead>
<tbody>
<tr>
<td>GANTRY WITH PATIENT TABLE</td>
<td>3Φ 480/277Y ±10%</td>
<td>SEE BELOW</td>
<td>≤ 300</td>
<td>125</td>
</tr>
</tbody>
</table>

POWER CONSUMPTION OF GANTRY WITH PATIENT TABLE
OPERATING FOR 4 SEC. ≤ 115 kVA
OPERATING FOR 10 SEC. ≤ 100 kVA
OPERATING FOR 30 SEC. ≤ 75 kVA
OPERATING FOR 60 SEC. ≤ 63 kVA
OPERATING FOR 100 SEC. ≤ 40 kVA
STAND–BY ≤ 3 kVA

IF AN ON–SITE TRANSFORMER IS REQUIRED TO OBTAIN CT OPERATING VOLTAGE, IT MUST BE OF SUFFICIENT CAPACITY AND CHARACTERISTICS TO MAINTAIN SUPPLY VOLTAGE AND IMPEDENCE REQUIREMENTS (TRANSFORMER AND CONDUCTORS).

DO NOT CONNECT ANY EXTERNAL USERS TO THE CT POWER LINES.

THE EXAMINATION ROOM SHOULD BE EQUIPPED WITH AT LEAST ONE EMERGENCY POWER OFF (PANIC) BUTTON.

CASEWORK & ACCESSORY NOTES

1. ALL CASEWORK IS EITHER EXISTING OR IS TO BE DESIGNED, DETAILED, FURNISHED AND INSTALLED BY THE CUSTOMER AND/OR CONTRACTOR. FOLLOW DESIGN RECOMMENDATIONS INCLUDED HEREWITH, AS THEY ARE ESSENTIAL FOR THE SUCCESSFUL INSTALLATION & OPERATION OF THE SIEMENS EQUIPMENT.
2. THE SOUND SYSTEM AND INTERCOM BETWEEN THE EXAMINATION AND CONTROL ROOMS ARE TO BE LOCATED, FURNISHED AND INSTALLED BY THE CUSTOMER/CONTRACTOR.
3. ALL FURNITURE (CHAIRS, ETC.) FOR THE CONTROL ROOM ARE TO BE PROVIDED BY THE CUSTOMER.
### Radiation Scatter

<table>
<thead>
<tr>
<th>INCHES</th>
<th>SOMATOM GO.TOP &amp; GO.ALL</th>
</tr>
</thead>
<tbody>
<tr>
<td>59.1</td>
<td>.030 .013 .003 .006 .023 .010 .046 .048 .034 .025 .019 .015</td>
</tr>
<tr>
<td>39.4</td>
<td>.045 .070 .025 .003 .046 .052 .106 .065 .042 .029 .020 .015</td>
</tr>
<tr>
<td>19.7</td>
<td>.052 .091 .186 .418 .165 .081 .048 .030 .021 .015</td>
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<tr>
<td>0</td>
<td>.051 .092 .213 .840 .215 .091 .050 .030 .021 .015</td>
</tr>
<tr>
<td>-39.4</td>
<td>.000 .000 .000 .000 .000 .000 .000 .000 .000 .000</td>
</tr>
</tbody>
</table>

**SOMATOM GO.TOP & GO.ALL**

**Vertical Local Dose Distribution**

Measurement in uGy/1 mAs

Scale 1/4" = 1' - 0"

The measurement was taken at the maximum slice thickness of 64 x 0.6 mm large at 140 kV in the vertical plane through the system axis. The phantom used was a cylindrical PMMA phantom with a diameter of 32 cm and 15 cm in length. The phantom was centered in the tomographic plane.

### Environmental Conditions

- **Air Temperature**: Minimum 64.4°F to 86°F Maximum
- **Relative Humidity**: 20% to 75%
- **Absolute Humidity**: Maximum 30 g/m³ (no condensation at any time)
- **Temperature Gradient**: Maximum 6 Kelvin per hour
- **Barometric Pressure**: 11.6 to 15.4 PSI
- **Installation Altitude**: Maximum 6562 ft. A.S.L

Exterior air vents should be equipped with a filtration system of the filter class MERV 8 to filter dust particles >10 μm.

The room air should be protected against contamination by hydrogen sulphide, even in small amounts. If a danger of such contamination exists, corrective actions have to be taken. E.g., extractor fans, siphon, modification of ventilation intake, etc.

No sunshine directly on gantry, insulation has to be applied to window (e.g. curtain).

### For More Information

For more detailed planning requirements for this system, see the typical final drawing set number: 18068