

1 INTRODUCTION

1.1 Document History

Revision	Reason of changes
00	Introduction of Azurion 7 B20/15, the successor of the Allura Xper FD20/15 Changes with respect to DMR164123_Rev00 are highlighted in <u>yellow</u>

2 PREFERRED SITE LAYOUT

- Azurion 7 B 20/15 is available with Larc C FD15 (tube on doctor side) or Larc N FD15 (tube on nurse side). The drawings in this document show the Larc N FD15.
- Preferred room height for Azurion 7 B20/15 is 2980 mm [-0 mm. + 5 mm]
Please note that the ceiling height specification has changed:
Ceiling height for Allura Xper FD20/15 was 2970 mm [-0. +10]
Ceiling height for Azurion 7 B20/15 is 2980 mm [-0. +5]
The Larc has not changed, but the old ceiling height specification was wrong.
With a ceiling height of 2970 mm, the difference in isocenter height of the frontal and lateral stand is 10 mm: doctors want both isocenters at the same height.
In case of a new room, use the new ceiling height specification.
In case of an upgrade, it is not necessary to change the ceiling height.
- Preferred room length for Azurion 7 B20/15 is 7000 mm
In this case AD7 can rotate 180° and hospital staff can walk behind AD7 and CLEA
If the room is shorter, these solutions are possible:
 1. Restrict space between AD7 and wall to 360 mm (application minimum)
 2. Restrict AD7 rotation to 90° (instead of 180°)
 3. Shift MCS rails inwardsCombination of options given above is possible
Minimum room length of 6480 mm shown in Drawing 3.3 is combination of 1, 2 and 3
- Preferred room width for Azurion 7 B20/15 is 5390 mm
If this case AD7 can rotate 90° degrees in both directions
Minimum room width is 4100 mm (then AD7 can rotate only 45°)
- Distance between CLEA Floorplate and AD7 Swivel Plate is 1120 mm or 1220 mm:
Distance of 1120 mm:
8.8. Advantage: Max. patient coverage is 2000 mm
Disadvantage: When the CLEA is in Head Position, the AD7 will hit the CLEA when swiveled
The CLEA must be moved to Nurse Side first, before AD7 swivel can be moved

Distance of 1220 mm:
Advantage: AD7 will not hit CLEA during swivel movement
Disadvantage: Max. patient coverage is 1900 mm (big enough for most applications)
Most customers will prefer 1220 mm
- Cable length between Stands and Cabinets is 30 m. longer cables are not available
- Do not place cabinets in Examination Room, because of 1) Air pollution 2) Safety 3) Anaesthetic gas 4) Noise
- Do not install cabinets below airco units to prevent condensation, leakage and inverted flow direction
- Lateral distance between cabinets must be at least 50 mm (ventilation requirement)
- Minimum bending radius of cables:
 - Static: min. 5 x diameter of cable
 - Dynamic: min. 10 x diameter of cable
- In some cases the cabinets must be installed on another floor than the examination room because of space restrictions. Please keep in mind that the maximum vertical distance between the cooling unit in the E-cabinet and the X-ray tube is 5 meter.
- The functionality of the system will not be influenced within a magnetic field of 0.5 mTesla (5 Gauss). About 15 volume % of the stand is ferrous material (steel).