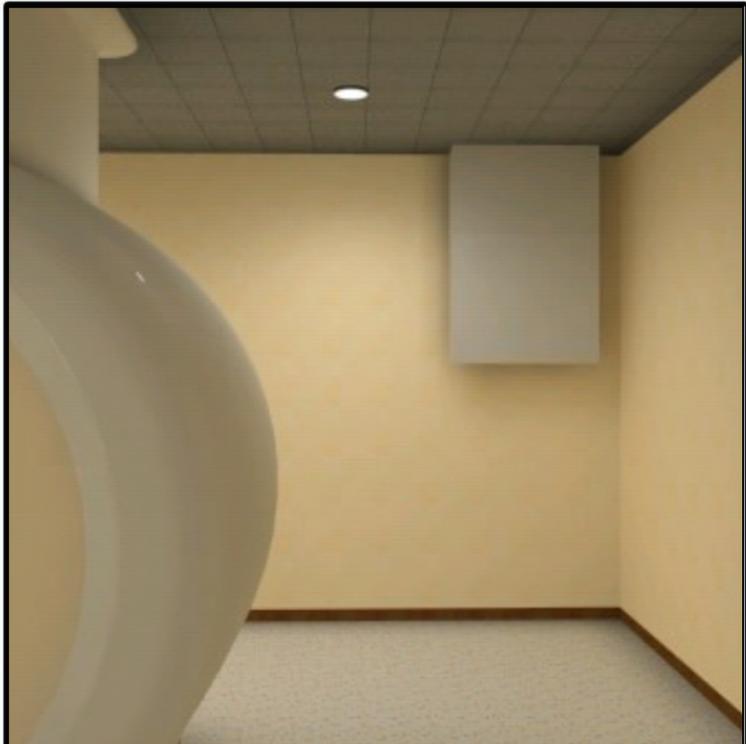


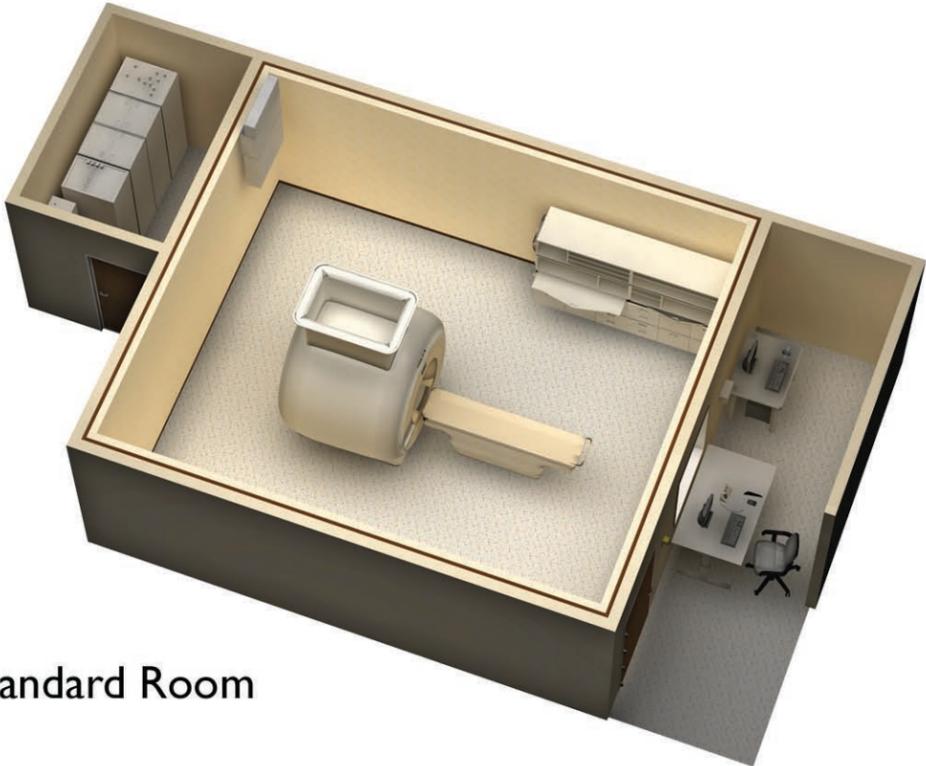
Exam Room View



Click and drag mouse over image to pan around the room



Control Room View



Standard Room

Magnetic Resonance Video



Play



Stop



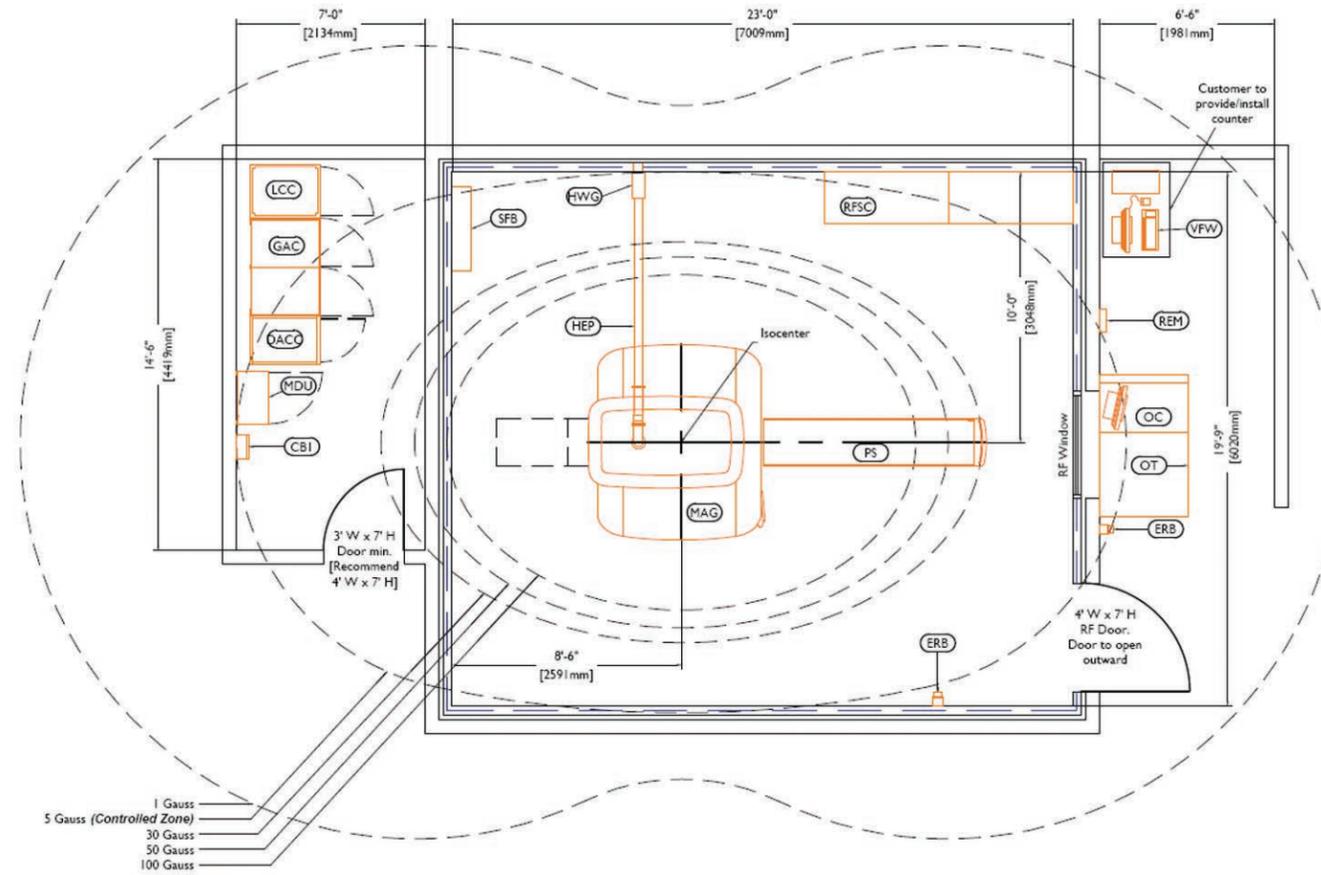
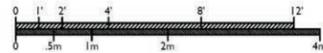
Achieva Quasar Dual 3.0T
Exclusively by Philips Healthcare

Helium Exhaust Pipe Verification
Customer's architect/contractor to provide plan and elevation details of helium exhaust pipe design for verification that specifications are being met, prior to installation. (Refer to sheet MP2 of Final Drawing Package for details)

Equipment Layout

Ceiling Height Guide

Equipment Room:	10' - 6"	(3200 mm)	Recommended
	8' - 6 3/8"	(2600 mm)	Minimum
Exam Room Suspended Ceiling:	8' - 3 3/16"	(2520mm)	Required
Exam Room RF Ceiling:	10' - 6"	(3200 mm)	Recommended
	9' - 6 1/4"	(2900 mm)	Minimum
Control Room:	9' - 10"	(3000 mm)	Recommended
	7' - 3"	(2200mm)	Minimum



Equipment Legend			
Equipment Designation			
Description	Max. Gauss	Weight: Lbs [kg]	Heat Load: Btu/hr [kW]
A OC Operator's Console	30	145 [65]	1700 [498]
G OT Operator's Table	---	220 [100]	0
A VFW Viewforum Workstation	10	125 [57]	1000 [293]
D ERB Emergency Run-Down Button (Qty. = 2)	---	3 [1]	0
J MAG Magnet Assembly	---	12850 [5830]	6800 [1993]
A PS Patient Support (MT)	---	365 [165]	0
A HEP Helium Gas Exhaust Pipe (exam room only)	---	4ft [6in]	0
C HWG Helium Gas Exhaust Wave Guide	---	10 [5]	0
A GAC Gradient Amplifier 787 Double Cabinet	150	2015 [914]	27900 [8177]
A DAC Data Acquisition and Control Cabinet	50	585 [265]	23900 [7004]
D LCC Liquid Cooling Cabinet	150	660 [300]	3400 [996]
D MDU Mains Distribution Unit	150	605 [275]	1700 [498]
A SFB System Filter Box with Covers	70	200 [90]	0
G RFSC RF Coil Storage Cabinet	---	1320 [600]	0
B CBI Circuit Breaker (for system)	50	t.b.d.	t.b.d.
B CBI Circuit Breaker (for Chiller) [not shown]	50	t.b.d.	t.b.d.
D CH Dimplex MEDKOOL 15000 AC Chiller [not shown]	10	2600 [1180]	188000 [55097]
D REM Chiller Remote Controller	10	1 [0.5]	0

General System Requirements

Environmental

Examination Room:

Operating Temperature: 68° - 75° F (20° - 24° C)
Relative Humidity: 40% to 60%, non-condensing
Air Conditioning Capacity: 6800 btu/hr (2 kW)

Equipment Room:

Operating Temperature: 59° - 75° F (15° - 24° C)
Relative Humidity: 30% to 70%, non-condensing
Air Conditioning Capacity (standby): 6800 btu/hr (2 kW)

Control Room:

Operating Temperature: 64° - 75° F (18° - 24° C)
Relative Humidity: 30% to 70%, non-condensing
Air Conditioning Capacity 1700 btu/hr (0.5 kW)

Primary Coolant

Quality: Potable Tap Water

pH: 6.0 - 8.0

CaCO₃: < 250 ppm

Chlorine: < 200 ppm

Suspended Matter: < 10 mg/L, < 100 micron particle size

Cooling Liquid Inlet: 43° - 59° F (6° - 15° C)

Maximum Flow Allowed: 23.8 GPM (90L/min)

Maximum Primary Cooling Liquid Pressure: 87 PSI (6 Bar)

Temperature Stability: +/- 3.6° F (+/- 2° C)

Ethylene Glycol Concentration: 35% Recommended

Heat dissipation: 23,900 - 136,600 btu/hr (7 - 40 kW)

Controlled Zone

Exclusion zone for persons with cardiac pacemakers or other electrical implants - Magnetic field exceeds 5 Gauss (0.5 mT).

Power

Supply Configuration: 3 phase, 3-wire power, and ground

Nominal Line Voltage: 208, 240, 480 VAC, 60 Hz

Branch Power Requirement: 80 kVA

Circuit Breaker: 3 pole, 100A (480 VAC)

Remote Service Diagnostics

Medical Imaging equipment to be installed by Philips is equipped with a service diagnostic feature which allows for remote and on-site service diagnostics. To establish this feature, a RJ45 type Ethernet 10/100/1000 Mbit network connector must be installed. Access to customer's network via their remote access server is needed for Remote Service Network (RSN) connectivity. All costs with this feature are the responsibility of the customer.