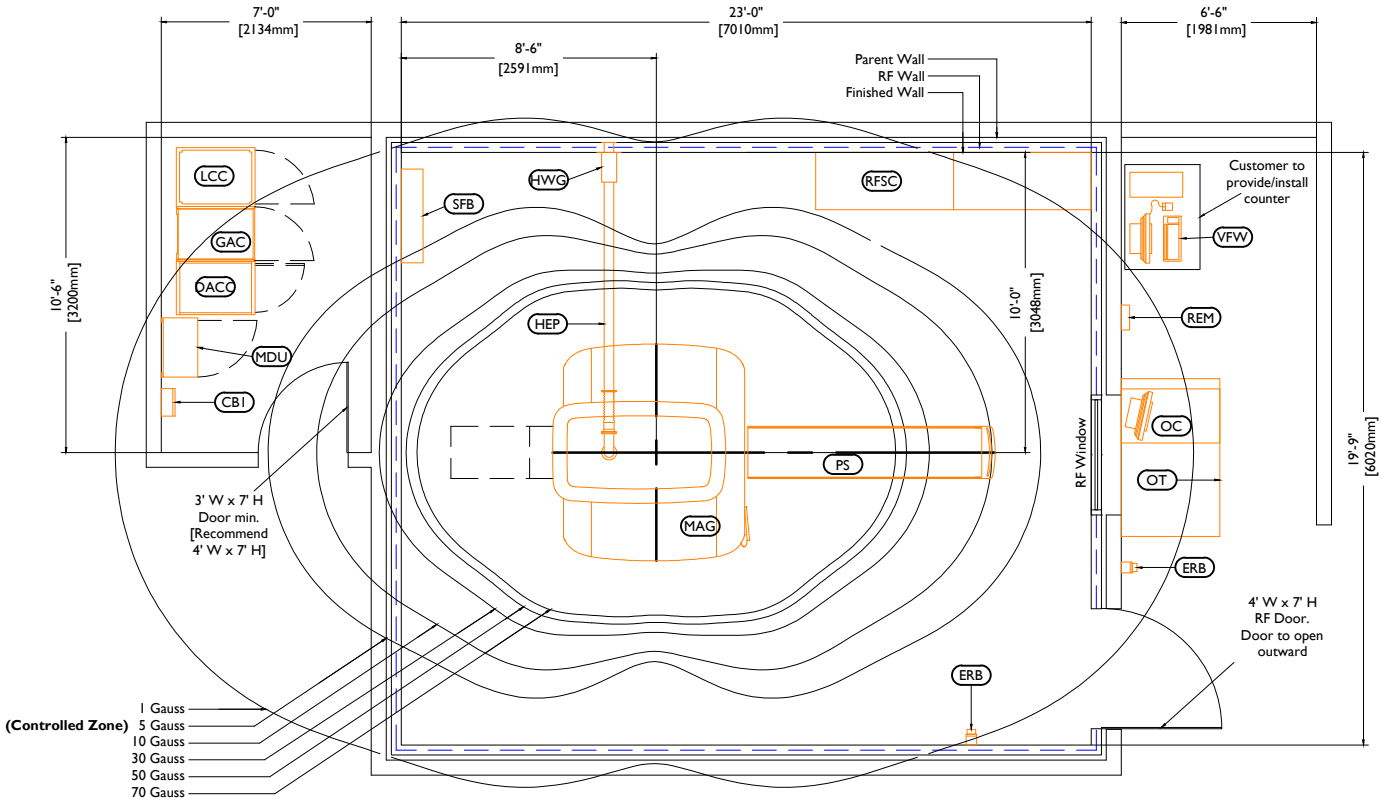
Intera Pulsar HP 1.5T

Preferred Room Layout

The layout shown below is based upon a typical equipment configuration and should be considered as a general design guideline. Site conditions, application requirements, customer preferences, and/or equipment configuration may significantly impact suite design and equipment layout. It is recommended to request site-specific drawings from a Philips representative early in the design process.



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"	(2515mm) **Required**
Exam Room RF Ceiling:	9' - 10"	(3000 mm) Recommended
	9' - 3"	(2820 mm) **Minimum***
Control Room:	9' - 10"	(3000 mm) Recommended
	7' - 3"	(2200mm) **Minimum**

PHILIPS

Equipment Legend

A Furnished and installed by Philips
B Furnished by customer/contractor and installed by customer/contractor
C Installed by customer/contractor
D Furnished by Philips and installed by contractor
E Existing
F Future
G Optional item furnished by Philips

	Equipment Designation	Description	Max. Gauss	Weight Lbs [kg]	Heat Load Btu/hr [W]
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	---	10210 [5830]	6800 [1993]
A	PS	Patient Support (MT)	---	365 [165]	0
A	HEP	Helium Gas Exhaust Pipe (exam room only)	---	4/ft [6/m]	0
C	HWG	Helium Gas Exhaust Wave Guide	---	10 [5]	0
A	GAC	Gradient Amplifier 781 Single Cabinet	150	1030 [467]	14000 [4103]
A	DACC	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	CB1	Circuit Breaker (for system)	50	t.b.d.	t.b.d.
B	CB2	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

Environmental Requirements for General Equipment Locations

Heating, ventilation, air conditioning requirements concern all rooms (equipment room, magnet room, and control room) and must be maintained 24 hours a day, 7 days a week.

Examination Room:

Temperature: 68° to 75° F (20° to 24° C)
Maximum Temperature Rate of Change: 9° F (5° C) per 10 minutes
Humidity: 40% to 60%, non-condensing
Air Conditioning Capacity: **6800 BTU / hr (2 kW)**

- Energy dissipated in the examination room will be removed from the room by an additional air exhaust system.
- Gradient coil heat dissipation (3400 to 51200 BTU / hr [1 to 15 kW]) will be removed via liquid cooling of the gradient coil.

Equipment Room:

Temperature: 59° to 75° F (15° to 24° C)
Maximum Temperature Rate of Change: 9° F (5° C) per 10 minutes
Humidity: 30% to 70%, non-condensing
Air Conditioning Capacity:

- At Standby: 6800 BTU / hr (2 kW)
- Peak Dissipation Scanning: **23900 BTU / hr (7 kW)**

Control Room:

Temperature: 64° to 75° F (18° to 24° C)
Maximum Temperature Rate of Change: 9° F (5° C) per 10 minutes
Humidity: 30% to 70%, non-condensing
Air Conditioning Capacity: **1700 BTU / hr (0.5 k**W

Power Requirements

Supply Configuration:	3 phase, 3 wire power and ground.
Nominal Line Voltage:	400 VAC, 50/60 Hz or 480 VAC, 60 Hz
Branch Power Requirement:	60 kVA
Circuit Breaker:	3 pole, 80 A (@480 V)

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.

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