



PHILIPS

MobileDiagnost wDR

Mobile digital radiography

Access all areas with the **premium DR room to go**

Key Benefits of Sliding column:

- Clear view of surroundings
 - Compact column
 - Ease of use, and easy to park
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The MobileDiagnost wDR with sliding column option offers excellent visibility making the system easy to drive and easy to park, so you'll reach every area of the hospital with new levels of imaging flexibility. This clear field of vision allows for outstanding workflow as maneuverability is also enhanced when positioning the system. MobileDiagnostwDR is available in 3 configurations: M90 Performance, M90 High Performance and M90 SkyFlow. All three of these configurations are available with the sliding column option. And all three configurations of the MobileDiagnost wDR with sliding column option offer you the superb quality and full efficiency of Philips' premium DR rooms packed into a flexible mobile X-ray system. Quick decisions are made possible thanks to rapid image availability with the lightweight SkyPlates, Philips cassette-sized wireless portable detectors, and you can choose to use SkyFlow, the scatter correction technology, which provides high image contrast for all mobile exams without grid handling.

The overall key advantages of MobileDiagnost wDR

- Smooth handling for workflow excellence
- Supports confident diagnoses with outstanding grid-less imaging
- Philips latest innovations for enhanced patient care

Technical specifications

Mobile unit with sliding column

Type	Mobile X-ray unit with sliding X-ray tube arm and wireless portable detector
Dimensions (l x w x h)	1345 mm x 670 mm x 1275 mm (52.9" x 26.4" x 52.2")
Wheel base length	611 mm (24.1")
Motorization	0 – 5 km/h (0 – 3.1 mph)
Focal point distance from floor	sliding column: 53 to 202 cm (20.9" to 79.5")
Focal point distance to column	max: 1242 mm (48.9") min: 702 mm (27.6")
Tube column rotation	± 317°
Batteries	Separate batteries for drive and generator control
Power for charging	single phase 230/220/110/100 VAC ± 10%; 50/60Hz
Fine positioning from tube head	
Anti-collision sensor and brake	

Generator and tube

M90 Performance

Power: high frequency	20 kW
Tube voltage in steps of 1 kV	40 – 125 kV
mA range	10 to 320 mA
mAs range	0.1 – 500 mAs
Exposure times	With SkyPlate: 0.001 – 1.25 s With free cassette: 0.001 – 4 s
Anode heat storage capability	100 kJ (140 kHU)
Focal spot (small/large)	0.3 / 1.0

Generator and tube

M90 High performance

Power: high frequency	40 kW
Tube voltage in steps of 1 kV	40 – 150 kV
mA range	10 to 500 mA
mAs range	0.1 – 500 mAs
Exposure times	With SkyPlate: 0.001 – 1.25 s With free cassette: 0.001 – 4 s
Anode heat storage capability	220 kJ (300 kHU)
Focal spot (small/large)	0.7 / 1.3

SkyPlate wireless portable detectors

Type	Digital Cesium Iodide (CsI)
Housing	Carbon fiber
Detector sizes	small: 24 cm x 30 cm (10" x 12") approx. large: 35 cm x 43 cm (14" x 17")
Active area	small: 22.2 cm x 28.4 cm (8.7" x 11.2") approx. large: 34.48 cm x 42.12 cm (13.6" x 16.6") approx.
Image matrix size	small: 1500 x 1920 pixel large: 2330 x 2846 pixel
Detector pixels	small: 2.9 Megapixels large: 6.7 Megapixels
Image resolution	up to 3.38 Lp/mm
Pixel size	148µm
Weight (incl. battery)	small: 1.6 kg (3.5 lbs) large: 2.8 kg (6.2 lbs) Except: North America, Korea, Japan, Singapore & China 3.0 kg (6.6 lbs)
Maximum patient weight	100 kg (220 lbs) on 4 cm disk for weight bearing examinations 135 kg (298 lbs) for distributed load
Click on grids in portrait or landscape orientation	

Eleva user interface

Monitor	17" touch-screen monitor
Image storage	up to 4,000 images
Generator control integrated into graphical user interface	more than 600 pre-programmable settings (APRs)
UNIQUE multi-resolution image processing	

Options

SkyFlow scatter correction	
Remote control for exposure and collimator light	
Dose Area Product meter	
Detector holders, grids, handle frame for SkyPlates	

SkyFlow for all anatomies is 510 (k) pending.
SkyFlow for chest exams is FDA cleared

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