

# VERSA HD System – ELEKTA



The VERSA HD System is designed to deliver therapeutic beams of X-rays and electrons for a wide range of conventional and advanced radiotherapy techniques.

It is equipped with a 160 Multi-leaf Collimator and an embedded 3D kV CBCT imaging system.

It is equipped by a MV imager with 41x41 cm<sup>2</sup> amorphous silicon.

VERSA HD system includes two high dose rate modes at 6 and 10 MV.

The system includes a carbon radiotransparent patient support system.



## X-ray Configuration

Nominal Energy	Minimum output dose rates	Nominal Energy	Minimum output dose rates
6 MV	6 cGy.min <sup>-1</sup> at D <sub>max</sub>	5 Gy.min <sup>-1</sup> at D <sub>max</sub>	0,5x0,5 cm <sup>2</sup> to 40x40 cm <sup>2</sup>
10 MV	6 cGy.min <sup>-1</sup> at D <sub>max</sub>	5 Gy.min <sup>-1</sup> at D <sub>max</sub>	0,5x0,5 cm <sup>2</sup> to 40x40 cm <sup>2</sup>
15 MV	6 cGy.min <sup>-1</sup> at D <sub>max</sub>	6 Gy.min <sup>-1</sup> at D <sub>max</sub>	0,5x0,5 cm <sup>2</sup> to 40x40 cm <sup>2</sup>
18 MV	6 cGy.min <sup>-1</sup> at D <sub>max</sub>	6 Gy.min <sup>-1</sup> at D <sub>max</sub>	0,5x0,5 cm <sup>2</sup> to 40x40 cm <sup>2</sup>
6 MV high dose rate	2 Gy.min <sup>-1</sup> at D <sub>max</sub>	14 Gy.min <sup>-1</sup> at D <sub>max</sub>	0,5x0,5 cm <sup>2</sup> to 40x40 cm <sup>2</sup>
10 MV high dose rate	4 Gy.min <sup>-1</sup> at D <sub>max</sub>	22 Gy.min <sup>-1</sup> at D <sub>max</sub>	0,5x0,5 cm <sup>2</sup> to 40x40 cm <sup>2</sup>

## Electrons Configuration

Nominal Energy	Minimum output dose rates	Maximum output dose rates	Maximum static field size of 25x25 cm <sup>2</sup>
6 MeV	25 cGy.min <sup>-1</sup>	6 Gy.min <sup>-1</sup>	Electron applicators 6x6, 10x10, 14x14 et 20x20 cm <sup>2</sup>
12 MeV	25 cGy.min <sup>-1</sup>	6 Gy.min <sup>-1</sup>	
18 MeV	25 cGy.min <sup>-1</sup>	6 Gy.min <sup>-1</sup>	