

## Product Comparison Chart

MODEL	APELEM	CONTROL-X	CONTROL-X	CONTROL-X
	MAGNUM 65 : MAGNUM 80	Milestone MS 325 : MS 525	Milestone HF MS 350HF	Milestone HF MS 450HF : MS 550HF
WHERE MARKETED	Worldwide	Worldwide	Worldwide	Worldwide
FDA CLEARANCE	Yes	Yes	Yes	Yes
CE MARK (MDD)	Yes	No	Yes	Yes
TYPE	High frequency, 100 kHz	Single-phase	High frequency, single- or 3-phase	High frequency, single- or 3-phase
MICROPROCESSOR CONTROLLED	Yes	Yes	Yes	Yes
POWER RATING kW rating @ 100 kVp mA @ kVp	65 : 80 800 @ 80 : 1,000 @ 80	30 : 40 300 @ 125 : 500 @ 90, 400 @ 110, 300 @ 125	30 360 @ 80, 300 @ 100, 150 @ 150	40 : 50 500 @ 80, 400 @ 100, 200 @ 150 : 600 @ 80, 500 @ 100, 250 @ 150
RADIOGRAPHIC MODE kV range	40-150	40-125	40-150	40-150
mA range Small focus Large focus	10-800 : 10-1,000 10-800 : 10-1,000	25-100 100-300 : 100-500	20-200 100-400	20-200 100-500 : 100-600
mAs range	0.5-1,000	0.2-600	0.4-600	0.4-600
Timer range, sec	0.001-6.3	0.008-6	0.003-6	0.003-6
Switching	IGBT	SCR	IGBT	IGBT
AEC Detector type	Yes Ion chamber	Optional Solid-state	Optional Solid-state	Optional Solid-state
Anatomic programming	768 programs	No	100 exams	100 exams
FLUOROSCOPIC MODE kV range	Yes 40-125	Optional 40-125	Optional 50-125	Optional 50-125
mA range	0.5-6	1-4	0.5-9	0.5-9
Maximum number of exposures/sec Maximum exposure rate, R/min at patient entrance	30 Not specified	10 10 with ABS	10 10 with ABS	10 10 with ABS
Pulsed fluoroscopy, pulses/sec	Optional	No	No	No
Automatic brightness control	Yes	Yes	Yes	Yes

Colons separate data on similar models of a device.

This is the first of two pages covering the above model(s). These specifications continue onto the next page.

**Product Comparison Chart**

<b>MODEL</b>	<b>APELEM</b>	<b>CONTROL-X</b>	<b>CONTROL-X</b>	<b>CONTROL-X</b>
	MAGNUM 65 : MAGNUM 80	Milestone MS 325 : MS 525	Milestone HF MS 350HF	Milestone HF MS 450HF : MS 550HF
<b>TOMOGRAPHIC MODE</b>	Yes	Yes	Yes	Yes
<b>X-RAY TUBES, MAXIMUM</b>	2	1	2	2
<b>LINE-VOLTAGE COMPENSATION</b>	Automatic	Automatic	Automatic	Automatic
<b>SELF-DIAGNOSTICS</b>	Yes	Yes	Yes	Yes
<b>POWER REQUIREMENTS</b>	380 VAC ±10%, 50/60 Hz, 3 phase	208-240 VAC : 380 VAC; 50/60 Hz, 100 A, single phase	208-240 VAC, single or 3 phase or 380-400 VAC, 3 phase, 50/60 Hz	208-240 VAC, 50/60 Hz, single or 3 phase or 380-400 VAC, 50/60 Hz, 3 phase
<b>DIMENSIONS</b>				
<b>Control cabinet H x W x D, cm (in)</b>	7 x 56 x 23 (2.8 x 22 x 9.1)	109 x 40 x 33 (43 x 16 x 13)	40 x 46 x 95 (16 x 18 x 37.5)	40 x 46 x 95 (16 x 18 x 37.5)
<b>Weight, kg (lb)</b>	4 (8.8)	86 (190)	120 (265)	120 (265)
<b>HV transformer H x W x D, cm (in)</b>	Not specified	58 x 33 x 46 (23 x 13 x 18)	Included in cabinet	Included in cabinet
<b>Weight, kg (lb)</b>	107 (236)	154 (340)	Included in cabinet	Included in cabinet
<b>PURCHASE INFORMATION</b>				
<b>List price, std configuration</b>	Not specified	Not specified	Not specified	Not specified
<b>Warranty</b>	1 year	5 years (2 full, 3 prorated)	5 years (2 full, 3 prorated)	5 years (2 full, 3 prorated)
<b>Year first sold Fiscal year</b>	1998 Not specified	Not specified January to December	Not specified January to December	Not specified January to December
<b>OTHER SPECIFICATIONS</b>	Digital display; full x-ray tube protection; 3-, 2-, 1-point techniques; optional high- contrast fluoro mode. Meets require- ments of ISO.	Digital display; tube overload protection; mAs display; digital timer; MS 525 is equipped with overcurrent protection.	Compact control console and cabinet; manual override; technique reprogramming; self- diagnostic software.	Compact control console and cabinet; manual override; technique reprogramming; self- diagnostic software.

Colons separate data on similar models of a device.