

CM-SERIES

HIGH FREQUENCY X-RAY GENERATOR

CM-Series generators offer advanced high quality radiographic capabilities with unmatched performance and reliability resulting in the lowest cost of ownership over the product lifetime. This generator is suitable for Digital Radiography (DR) systems and features leading edge computer-based digital controls to minimize patient dose and maximize image quality while demonstrating excellent reproducibility with user-friendly operator controls.

Key Highlights

High Frequency Performance in Excess of
400 kHz

Anatomical Programs Available in Several
Languages

Exposure Handswitch Included

Select from Five Standard Power Levels:
32, 40, 50, 65 & 80 kW

Or

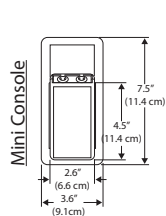
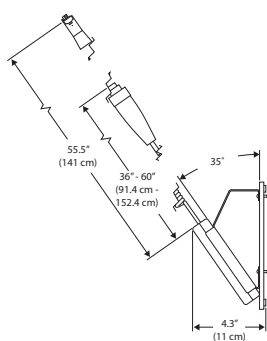
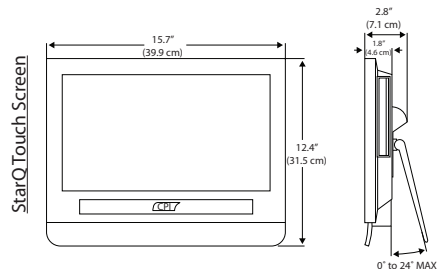
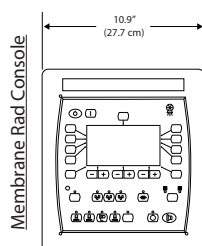
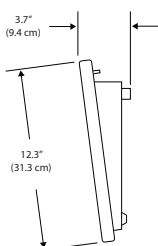
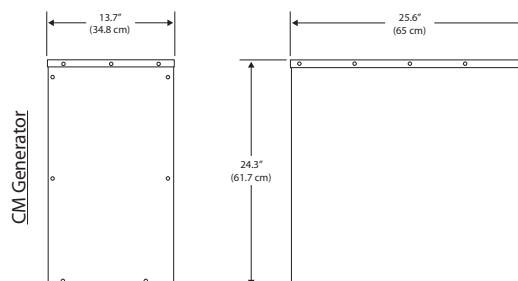
Select from Three Power Levels of Energy Assist
Systems for Sites with Incoming Electrical Limitations:
22, 40 & 50 kW



Technical Specifications

* All specifications subject to change without notice

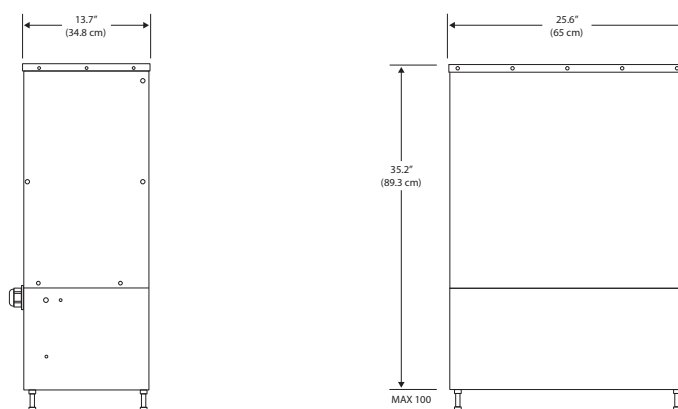
	CM32 (32 kW)	CM40 (40 kW)	CM50 (50 kW)	CM65 (65 kW)	CM80 (80 kW)
Application	Radiographic				
Generator Type	High Frequency Output up to 400 kHz				
kV Range	40 - 125 kV	40 - 125 kV	40 - 150 kV	40 - 150 kV	40 - 150 kV
mA Range	10 - 400 mA	10 - 500 mA	10 - 630 mA	10 - 800 mA	10 - 1000 mA
mAs Range Non-AEC	0.1 - 500 mAs	0.1 - 500 mAs	0.1 - 630 mAs	0.1 - 800 mAs	0.1 - 1000 mAs
Highest Constant Output at 100 kV / 0.1 Seconds	32 kW (320 mA / 100 kV / 0.1 seconds)	40 kW (400 mA / 100 kV / 0.1 seconds)	50 kW (500 mA / 100 kV / 0.1 seconds)	63 kW (630 mA / 100 kV / 0.1 seconds)	80 kW (800 mA / 100 kV / 0.1 seconds)
Rotor Supply	Low Speed	Low Speed (Optional High Speed)	Low Speed (Optional High Speed)	High Speed	High Speed
Line Nominal/Phase	1 ø 208/230 VAC (125 kV) only 3 ø 208/230 VAC (125 kV) 150 kV Optional 3 ø 400/480 VAC (125 kV) 150 kV Optional	1 ø 208/230 VAC (125 kV) only 3 ø 208/230 VAC (125 kV) 150 kV Optional 3 ø 400/480 VAC (125 kV) 150 kV Optional	3 ø 208/230 VAC (150 kV) only 3 ø 400/480 VAC (150 kV) only	3 ø 208/230 VAC (External Transformer Required) 3 ø 400/480 VAC	3 ø 400/480 VAC
Line Frequency	50/60 Hz				
High Voltage Ripple	<1 kV @ 100 kV				
# of X-Ray Tubes	1 Tube Capability				
Auto-Tube Calibration	Yes				
Anatomical Programs (APR)	768 Possible Exam Techniques				
APR Languages	English, French, German, Italian, Spanish, Chinese, Russian (additional available upon request)				
# of Image Receptors	2 Bucky + 1 Non-Bucky				
Technique Selection	kV/AEC, kV/mAs, kV/mA/Time, kV/cm Thickness				
GenWare Service Software	Yes				
Documentation	CD Manual Hard Copy (Optional)				
Tomography Function	Yes				
Auxiliary Collimator Power	Yes				
Exposure Hand Switch	Yes				
Options:					
AEC Interface	Ionization or Solid State				
Membrane Console Wall Mount	Yes				
Membrane Console Pedestal	Yes				
Dose Area Product (DAP) I/F	Yes				
Touchscreen Console	Yes				
DR Integration	Yes	Yes	Yes	Included	Included



Technical Specifications

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	CM22 (32 kW Peak) - Energy Assist	CM40 (40 kW) - Energy Assist	CM50 (50 kW) - Energy Assist
Application	Radiographic		
Generator Type	High Frequency Output up to 450 kHz		
kV Range	40 - 125 kV	40 - 125 kV	40 - 150 kV
mA Range	10 - 400 mA	10 - 500 mA	10 - 630 mA
mAs Range Non-AEC	0.1 - 100 mAs	0.1 - 100 mAs	0.1 - 125 mAs
Rotor Supply	Low Speed Starter		
Input Phase/Voltage	1 ϕ /215 VAC $\pm$ 13% (power derating required below 200 VAC)		
Line Frequency	50/60 Hz		
High Voltage Ripple	<1 kV @ 100 kV		
Auto-Tube Calibration	Yes		
Exposure Timer Range	1 ms - 6.3 s (10 s, 20 s, 30 s optional)		
Anatomical Programs (APR)	1024 20,000+ Techniques		
APR Languages	English, French, German, Italian, Spanish, Chinese, Russian (additional available upon request)		
# of Image Receptors	Up to 5		
Technique Selection	kV/AEC, kV/mAs, kV/mA/ms, kV/cm Thickness (standard console only)		
GenWare Service Software	PC-based diagnostics/technical support		
Documentation	CD manual		
Tomography Function	Yes		
Auxiliary Collimator Power	Yes		
Options:			
AEC Interface	Ionization or Solid State		
Membrane Console Wall Mount	Yes		
Membrane Console Pedestal	Yes		
Dose Area Product (DAP) I/F	Yes		
Touchscreen Console	Yes		
DR Integration	Yes		



DEL MEDICAL



#9000-CM

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