

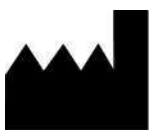
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GXR-SD/CSD/USD

DIGITAL RADIOGRAPHY SYSTEM

Operation Manual



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D/N: RMD1311-005, Rev.27



1.2.3 X-RAY GENERATORS

| System Model | GXR-32SD | GXR-40SD | GXR-52SD# | GXR-68SD# | GXR-82SD# |
|-------------------------------|---|---|---|---|---|
| Generator Model | GXR-32 | GXR-40 | GXR-52 | GXR-68 | GXR-82 |
| Output Rating | 32kW | 40kW | 52kW | 68kW | 82kW |
| Line Nominal, Phase | 220~230V~, 380/400/480V3~ | | 380/400/480V3~ | | |
| Line Voltage Range | ±10% (Frequency: 50/60Hz) | | | | |
| kV Range | 40~125kV, 1kV step 40~150kV for 3 phase line power | | 40~150kV, 1kV step | | |
| mA Range | 10 to 400mA | 10 to 500mA | 10 to 640mA | 10 to 800mA | 10 to 1,000mA |
| Timer Range | 0.001 to 10 sec, 38 steps | | | | |
| mAs Range | 0.1 to 500mAs (Optional up to 1,000mAs) | | | | |
| AEC Shortest Irradiation Time | 1ms | | | | |
| Max. Power Output | 400mA@80kV 320mA@100kV 250mA@125kV 200mA@150kV(3 Φ) | 500mA@80kV 400mA@100kV 320mA@125kV 250mA@150kV(3 Φ) | 640mA@81kV 500mA@104kV 400mA@130kV 320mA@150kV | 800mA@85kV 640mA@106kV 500mA@136kV 400mA@150kV | 1,000mA@82kV 800mA@102kV 640mA@128kV 500mA@150kV |
| Power Requirement | Minimum 125% of output rating | | | | |
| Minimum Breaker Rating | 75A(220-230Vac,1Φ) 50A(380Vac,3Φ) 50A(400Vac,3Φ) 40A(480Vac,3Φ) | 100A(220-230Vac,1Φ) 65A(380Vac,3Φ) 65A(400Vac,3Φ) 50A(480Vac,3Φ) | 75A(380Vac,3Φ) 75A(400Vac,3Φ) 65A(480Vac,3Φ) | 75A(380Vac,3Φ) 90A(400Vac,3Φ) 75A(480Vac,3Φ) | 100A(380Vac,3Φ) 100A(400Vac,3Φ) 90A(480Vac,3Φ) |
| Rotor Supply | Low Speed (Option: LSS Brake, Dual Speed for 3Φ) | | Low Speed (Option: LSS Brake, Dual Speed) | Dual Speed | |
| Technique Selection | 4 point display(kV, mA, Time, mAs): kV/mAs, kV/mA/Time, kV/AEC option | | | | |
| Image Receptors | 2 Bucky + 1 Non-Bucky | | | | |
| Auxiliary Power Supply | External System Power | | 230VAC, 1A, 230W (PBT-4) | | |
| | | | 230VAC, 2A, 460W (PBT-6) | | |
| | Magnetic Lock(Brake) Power | | 110VAC, 1A, 110W | | |
| | Collimator Lamp Power | | 28VDC, 6.3A, 176W | | |
| Reproducibility | Coefficient of Variation: kV < 0.005, Time < 0.005, mAs < 0.01 | | | | |
| Accuracy | kV < ±(1%+1kV), mA < ±(3%+1mA), Time < ±(1%+0.5ms), mAs < ±(3%+0.1mAs) | | | | |
| Linearity | Coefficient of Linearity < 0.01 : CL = (X1-X2)/(X1+X2), where X is mR/mAs | | | | |
| Dimension / Weight | 650(W) x 655(H) x 405(D) mm / 100kg(220lbs) | | | | |

* #: It can be combined with TS-CSP.