

Solid-State RF Amplifiers

70 / 72 / 78 / 91 MHz

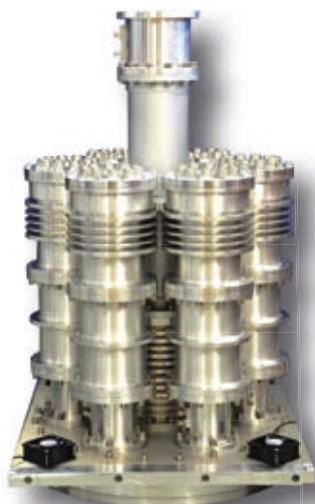
Model CRE-312C / CRE-313A

Power Sold: 4650 kW

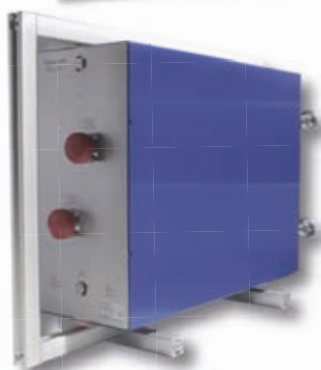
Customer: *Varian Medical Systems Particle Therapy GmbH*
Application: *Proton Therapy*
Frequency: *72 MHz / 70 MHz*
RF Output Power: *150 kW cw*
RF Input Power: *-6 dBm*
Efficiency (Wall-plug): *> 60%*
Bandwidth: *> 1 MHz*
Number of Transistors: *240*
Number of Modules: *30*
Main Combiner Type: *Coaxial 60-way*
RF Output Connector: *6 1/8" EIA*
Amplifiers Sold: *31*



CRE-313A



RF Combiner of CRE-312C



RF Module 313A-1



CRE-312C with doors removed

Model CRE-368A / CRE-368B

Power Sold: 360 kW

Customer: *Hefei CAS Ion Medical and Technical Devices Co. Ltd*
Application: *Proton Therapy*
Frequency: *91 MHz / 78 MHz*
RF Output Power: *120 kW cw*
RF Input Power: *-6 dBm*
Efficiency (Wall-plug): *> 60%*
Bandwidth: *> 1 MHz*
Number of Transistors: *192*
Number of Modules: *24*
Main Combiner Type: *Coaxial 48-way*
RF Output Connector: *6 1/8" EIA*
Amplifiers Sold: *3*



CRE-368A



CRE-368B with water cooled RF load attached