



# IRIZAR HEAVY INDUSTRIES INC

1512 Adamson View, Edmonton, Alberta T6W 0V4, Canada

Phone: 1 780 450 6695, Fax: 1 780 485 6677

Email: [jirizar@jirizar.com](mailto:jirizar@jirizar.com), Website: [www.jirizar.com](http://www.jirizar.com)



## WR 1200 CERTIFICATE

Buyer Name:	<b>WESTINGHOUSE ELECTRIC COMPANY LLC</b> <b>NUCLEAR POWER PLANTS</b> AP1000 STEAM GENERATOR DRAWING APP-VH01-V8-004, REV 0
IRIZAR Invoice #:	1789 – 162
Product Name #:	Conventional Welding Rotator Model WR 1200
Serial #:	356348
Fabrication date:	Oct 15, 2009
Power rotator Model WR 1200	Max design rotation capacity, 1200 MT Max design load capacity, 600 MT
Idler Rotator Model IR 1200	Max design load capacity, 600 MT
Design Security Factor	1.25
Vessel diameter range:	From 1,500 to 12,000 mm
Variable speed range:	From 100 up to 1,000 mm/min
Reducer rate	5600
Output moment of torsion	92000 NM @ 2 Nos
Motor	2 Nos @ 11 kW, 1700 RPM
Input Power:	380 V, 50 HZ, 3 P

**IRIZAR HEAVY INDUSTRIES INC** certifies the conventional welding rotator Model WR 1200 has been designed and built according with the following international standards:

**Mechanical Design:** By means of sophisticated software developed by Irizar engineers

**Electric Design:** CSA (Canadian Standard Association) **Standard C22.2 No 0,0,4,14 SEP 1000-99, Provincial guideline, Part A. Certification # 4749840**

**Safety Design: CE Standards:** Machine directive 2006/42/EC, Low-Voltage directive 2006/95/EC, EMC Directive 2004/108/EC, and amongst others the following standards: NEN-EN 14121 EN-ISO 12100-1 NEN-ISO 12100-2, NEN-EN 61000 EN 60204 NEN-EN 55022 NEN-EN 55024, NEN-EN 12100 NEN-EN-IEC 61310-3. **CE DECLARATION OF CONFORMITY: Nr 181108/JIR/05**, by Consultants Europe BV in The Netherlands

**Manufacturing Certificate:** IRIZAR HEAVY INDUSTRIES INC certifies the WR 1200 has been static and dynamic tested at **full capacity** by **C –FER Incorporated** on its testing laboratory located in Edmonton Alberta Canada.

**Limited Warranty Certificate:** IRIZAR HEAVY INDUSTRIES INC warrants all new equipment to be free from defects in material and workmanship for the period of one year, provided that the equipment is installed and operated according to instructions. Any repairs or modification made by unauthorized third parties without written consent shall void this warranty. IRIZAR HEAVY INDUSTRIES INC's obligation under this warranty is expressly limited to replacing or repairing any defective part or correcting any manufacturing defect without charge during the warranty period, if IRIZAR's factory inspection confirms the existence of such defects. Exercise of IRIZAR's option of replacement or repair will be at IRIZAR's factory and/or warehouse; Therefore, no reimbursement for transportation cost of any kind will be allowed. IRIZAR HEAVY INDUSTRIES INC will not be liable for any loss or consequential damage or expense accruing directly or indirectly from the use of equipment covered by this limited warranty.

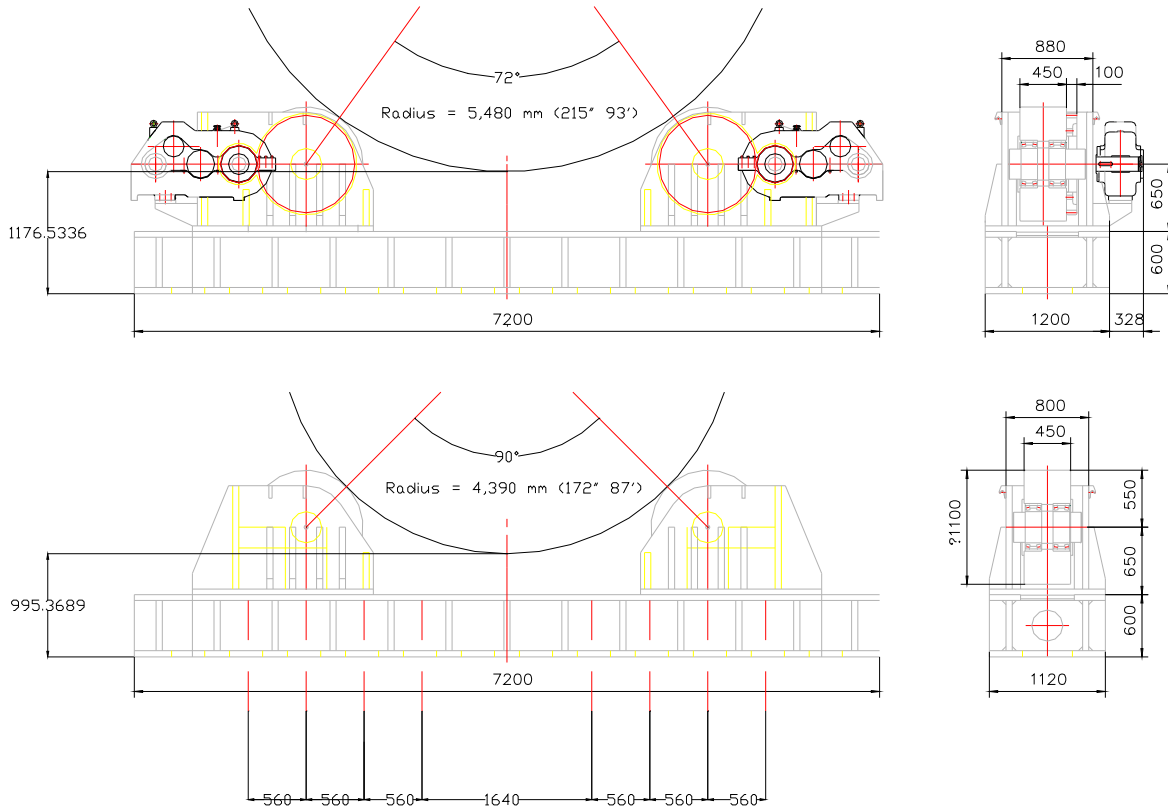


# IRIZAR HEAVY INDUSTRIES INC

1512 Adamson View, Edmonton, Alberta T6W 0V4, Canada

Phone: 1 780 450 6695, Fax: 1 780 485 6677

Email: [jirizar@jirizar.com](mailto:jirizar@jirizar.com), Website: [www.jirizar.com](http://www.jirizar.com)





# IRIZAR HEAVY INDUSTRIES INC

1512 Adamson View, Edmonton, Alberta T6W 0V4, Canada

Phone: 1 780 450 6695, Fax: 1 780 485 6677

Email: [jirizar@jirizar.com](mailto:jirizar@jirizar.com), Website: [www.jirizar.com](http://www.jirizar.com)





# IRIZAR HEAVY INDUSTRIES INC

1512 Adamson View, Edmonton, Alberta T6W 0V4, Canada  
Phone: 1 780 450 6695, Fax: 1 780 485 6677  
Email: [jirizar@jirizar.com](mailto:jirizar@jirizar.com), Website: [www.jirizar.com](http://www.jirizar.com)

