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**THE FOLLOWING ALTERNATOR/ GENERATOR END IS AVAILABLE FORSALE WITH US WITH IMMEDIATE DELIVERY:**

**1 No. - 170 MVA ABB (1993) make UNUSED Alternator/ Generator End having the following technical specifications:**



<b>Year of Manufacture</b>	<b>:</b>	<b>1993</b>
<b>Condition</b>	<b>:</b>	<b>UNUSED</b>
<b>Operating Hours</b>	<b>:</b>	<b>0</b>
<b>Status</b>	<b>:</b>	<b>In Storage</b>

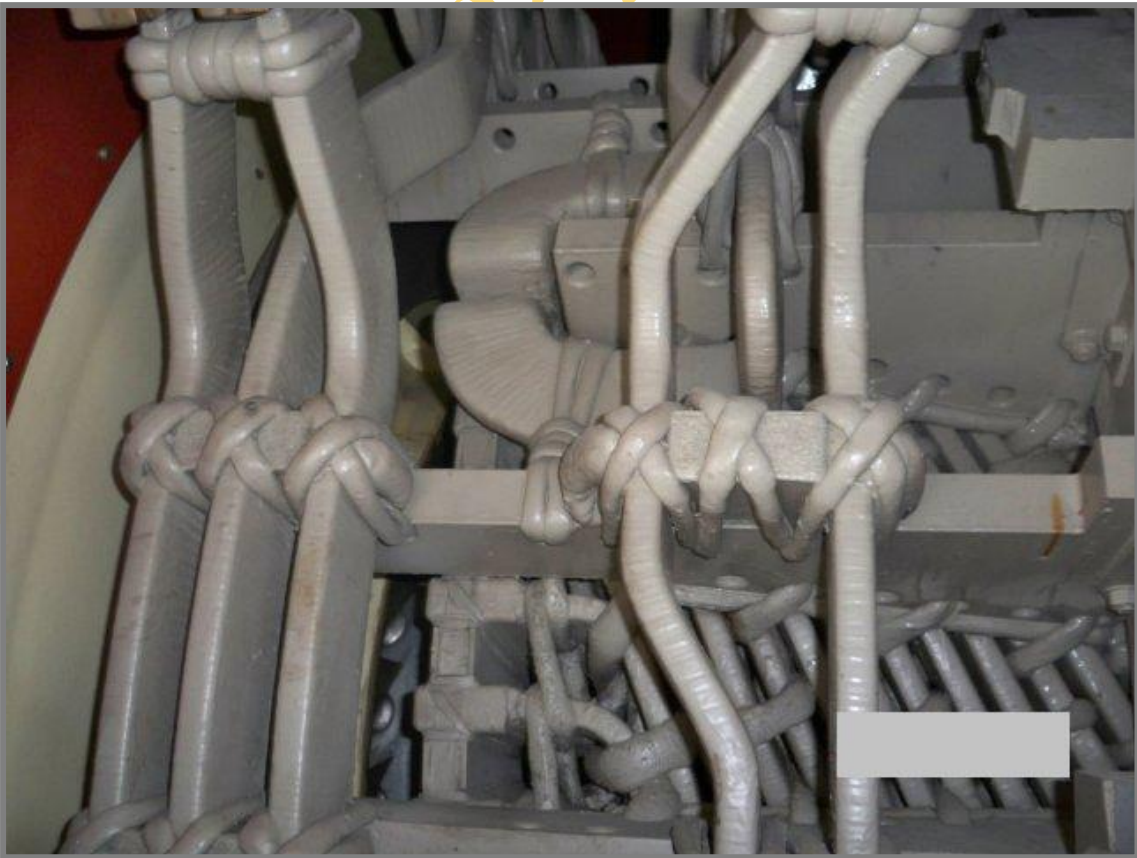
## TECHNICAL SPECIFICATIONS:

General Data		Eng. Units	SHB	Design Reference Data
Type			WY21Z-092LLT	WY21-097LLT
Manufacturer			ABB	ABB
Year of Manufacture			1993	N/A
Rated Apparent Power at 40C Generator Cold Air Temperature		kVA	210000 [Tcg=40C]	210000
Rated Output Apparent Power [at Minimum Ambient Temperature]		kVA	235500 [Ta = -15C]	
Rated Output Apparent Power [at Maximum Ambient Temperature]		kVA	204800 [Ta = 30C]	
Rated Output Apparent Power [at Design Point Ambient Temperature]		kVA	229000 [Ta = 7.5C]	
Rated Active Power [at Design Point Ambient Temperature]		kW	167350	168000
Power Factor			0.85	0.8
Armature Voltage		V	16000	15750
Voltage Range		+/- %	5	7.5
Upper Operational Voltage		V	16800	16931.25
Lower Operational Voltage		V	15200	14568.75
Armature Current (per phase)		A	7578 / 7015	7698
Maximum Armature Current (per phase)		A		
Field Voltage	UFN	V	323	
Field Current	IFN	A	1550	
Frequency		Hz	50	50
Allowable Frequency Variation		Hz (+/-)		
Speed		RPM	3000	3000
Overspeed Maximum		RPM		
Connection			Star	Star
Connection Orientation			TOP	TOP
Direction (from driven end)			ccw	
Standard			IEC	IEC 34-1(1983)
Stator Insulation			Class F	Class F
Stator Winding Temp Rise			Class B	Class B
Field Insulation			Class F	Class F
Field Winding Temp Rise			Class B	Class B
Field Winding Temperature Rise at rated conditions		C		
Stator Winding Temperature Rise at rated conditions		C		
Stator Magnetic Circuit at rated conditions				
Stator - 60s Test Voltage		V		
Rotor - 60s Test Voltage		V		
Air Inlet Temperature (Air Cooler Outlet)		C	40	42
Altitude		m	0	

Rotor Cooling Medium			Air	Air
Stator Winding Cooling Medium			Air	Air
Stator Core Cooling Medium			Air	Air
Construction Class				
Degree of Protection				
Noise				
Efficiency at rated Power Factor	4/4 Load	%	98.68	98.61
Efficiency at rated Power Factor	3/4 Load	%	98.52	98.44
Efficiency at rated Power Factor	1/2 Load	%	98.1	98.1
Efficiency at rated Power Factor	1/4 Load	%	96.64	96.24
Stator Mass		kg	168800	194100
Rotor Mass		kg	41500	42300
Bearings		kg	6800	
Foundation Bolts		kg		
Exciter		kg	N/A	N/A
Brushgear / Slip Ring Housing		kg	1500	
Coolers (empty)		kg	3200	35200
Total Mass		kg	221800	236000
Check Total is sum of parts		kg	221800	236400

## PHOTOS







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