



STAMFORD MVWI734G2 4,160 V 60 Hz Alternator

OEM Test Specification

Exact GE Jenbacher factory test/specification excerpt for the installed medium-voltage alternator configuration.

Confirmed equipment relationship

- Installed STAMFORD nameplates on both units confirm frame/core MVWI734G2.
- Installed nameplates confirm 1,875 kVA base rate, 1,500 kW base rate, 4,160 V, 60 Hz, 1,800 RPM and continuous duty.
- The OEM test record confirms the JGS 416 GS-S.L genset and J 416 GS-B91 engine pairing.

Source and use

Source page is the original GE Jenbacher ISO 3046 / ISO 8528 factory test certificate. Equipment and project identification numbers, internal order references and personal names were permanently removed from this public web copy.

This public excerpt confirms component configuration; qualified buyers may request controlled access to supporting unit-specific records through ARC Power Systems.

ARC Power Systems

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TEST CERTIFICATE

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QSEDOK1|QSEDOK 2 TEST BED 1

ENGINE TEST CERTIFICATE ACCORDING TO		ISO 3046		GENSET TEST CERTIFICATE ACCORDING TO		ISO 8528	
PASSWORD:							
Order-No.:				Customer:			
Outfit-No.:				WAJAX POWER SYSTEMS			
GENERATOR SET							
Manufacturer:		GEJenbacher		Type:	JGS 416 GS-S.L	Number:	
ENGINE							
Manufacturer:		GEJenbacher		Type:	J 416 GS-B91	Number:	
Coolant:		40% Glycol - Water		Starter:	E-Starter	Oil:	Mobil Pegasus 705
ALTERNATOR							
Manufacturer:		NEWAGE STAMFORD		Type:	MVWI 734 G2	Number:	
Style:		IM 1001		Safety Class:	IP23	Isolation class: H	
Nominal Power: (Type "F")		1875 kVA		cosφ	0,8	Nominal Voltage: 4160 V	
Nominal Current:		260 A				Nominal Frequency: 60 Hz	
SWITCHGEAR							
Type:		Number:		Manufacturer:		Type:	
Module Control				GE Jenbacher			
Interface				GE Jenbacher			
NOMINAL VALUES OF GEN-SET							
				US			
ELECTRIC POWER				1127 kW			
ENGINE OUTPUT				1573 bhp			
NOMINAL VOLTAGE				4160 V			
NOMINAL CURRENT				156 A			
NOMINAL POWER FACTOR				1,00 cosφ			
SPEC. HEAT CONSUMPTION				(+/- 5%) 6004 Btu Bhp.hr			
ELECTRICAL EFFICIENCY				(+/- 5%) 40,8 %			
HIGH TEMP. CIRCUIT THERMAL OUTPUT				(+/- 8%) - MBTU hr 2)			
LOW TEMP. CIRCUIT THERMAL OUTPUT				(+/- 8%) - MBTU hr 2)			
MIXTURE TEMPERATURE				122 °F			
ENGINE COOLANT DISCHARGE TEMP.				194 °F			
SPEED				1800 RPM			
NOx				1,1 g bhp.hr			
-				- g bhp.hr			
-				-			
FUEL GAS (at test bench)							
				NATURAL GAS			
LOWER CALORIC VALUE				981,94 Btu scft			
DENSITY				0,101 oz g			
METHANE NUMBER				87,9			
test run,date				tested by			
25.11.2011							