

INSPECTION REPORT

Discipline or report series#10 Inspection PLANTAS DE COGENERACION	Document number#12 DNS13007	Report number#52	Issue#13 1
Title#15 4 – COGENERATION PLANTS - MOTOR MWM TCG 2032V16			
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Summary#60

Tag	Mº motor	Mº alternador	nº serie	Año fab.	Año PES	Horas	η_e promedio 2013	Arranques	Último Mantenimiento Preventivo	Horas de servicio en último MP
Motor_A	TCG 2032 V16	DIG150L/6	2203088	2001	2003	85.525		2.374	E40	84.810
Motor_B	TCG 2032 V16	DIG150L/6	2203039	2001	2003	88.995	41,7%	3.237	E30	86.680
Motor_A	TBG 632 V16F	DIG150L/6	2203913	2003	2005	71.904	41,8%	1.882	E40	71899
Motor_B	TBG 632 V16F	DIG150L/6	2203888	2003	2005	74.142		1.759	E30	74137
Motor_A	TCG 2032 V16		2206877	2007	2008	42.983	41,7%	948	E30	42.791
Motor_B	TCG 2032 V16		2206937	2007	2008	43.068		1.583	E40	42.739
Motor_A	TCG 2032 V16	DIG150m/6	2206478	2006	2009	41.052		609	E40	39.814
Motor_B	TCG 2032 V16	DIG150m/6	2206378	2006	2009	39.883	41,7%	620	E30	37.149
Motor_C	TCG 2032 V16	DIG150m/6	2206182	2006	2009	41.220		620	E40	39.934
Motor_D	TCG 2032 V16	DIG150m/6	2206189	2006	2009	41.099		729	E40	39.857

ESPECIFICACIONES COMUNES

Motores

Combustible
Gas natural

Rev. 1000 rpm Pot_mec. 4000 kW Pot_e (SCN) 3788 kW Emisiones tx 500 mgNOx/l 30°C

Alternadores

Pot_aparente 4950 kVA

Tensión 6600 VY Intensidad 433 A cos ϕ 0,8 Giro dcha. Frec. 50 Hz

Observaciones

E30/E40

Gamas de mantenimiento sistemático según manual.

Si están interesados por favor contactar con:

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Document number DNS14009	Issue 1	Security classification	Page 2 of 7
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Performance Data - TCG 2032

Natural gas applications, NOx ≤ 500 mg/Nm³*

		TCG 2032 V16	
		50 Hz	60 Hz**
Electrical output	kW	4300	4000
Thermal output ± 8%	kW	4164	3884
Electrical efficiency	%	44.1	43.7
Thermal efficiency	%	42.7	42.4

* 5% O₂ and dry exhaust gases

** On request

Document number DNS14009	Issue 1	Security classification	Page 3 of 7
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Biogas, landfill gas, and sewage gas applications, NOx ≤ 500 mg/Nm³*

Engine type		TCG 2032 V16	
		50 Hz	60 Hz**
Electrical output	kW	3770	3370
Thermal output ± 8%	kW	3460	3018
Electrical efficiency	%	42.9	43.1
Thermal efficiency	%	39.4	38.6

* 5% O₂ and dry exhaust gases

INSPECTION REPORT





Document number DNS14009	Issue 1	Security classification	Page 6 of 7
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Document number DNS14009	Issue 1	Security classification	Page 7 of 7
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