



GROUP	GAS	PRODUCT INFORMATION	INDEX
IC		IC-G-B-36-064	1
POWER RATING			DATE
			22-02-07
			DEP.
			2

ENGINE:	SFGLD 360	SPEED:	1500
JACKET WATER TEMPERATURE(°C):	90	FUEL TYPE:	Sewage Gas
INTERCOOLER WATER TEMP(°C):	55		

APPLICATION:	CONTINUOUS	COMPRESSION RATIO:	11.8:1
COOLING SYSTEM:	TWO STAGE IC	REGULATION:	Electronic
EXHAUST MANIFOLD TYPE:	WATER COOLED	IGNITION TIMING:	17°
EMISSIONS:		MAX. BACK PRESSURE:	450 mmH2O
NOX	mg/Nm3 (8)	500	
CO	mg/Nm3(8)	<800	
NMHC	mg/Nm3	<300	
		AMBIENT CONDITIONS ISO 3046/1:	
		Atmospheric pressure (kPa)=	100
		Ambient temperature (°C)=	25
		Relative humidity (%)=	30

POWER RATING (4)			NOMINAL	PARTIAL LOADS		
LOAD	%		100%	80%	60%	40%
MECHANICAL POWER (3, 4, 5)	kWb	630	504	378	252	
BMEP	bar	14	11,2	8,4	5,6	
FUEL CONSUMPTION (1)	kW	1573	1286	1010	733	
THERMAL EFFICIENCY	%	40,1	39,2	37,4	34,4	
HEAT IN MAIN WATER CIRCUIT (1)	kW	441	359	289	221	
HEAT IN SECONDARY WATER CIRCUIT (1)	kW	101	88	76	64	
HEAT IN CHARGE COOLER (1)	kW	30	23	16	8	
HEAT IN OIL COOLER (1)	kW	71	65	59	57	
HEAT IN EXHAUST GASES (25 °C) (1)	kW	371	307	243	176	
HEAT IN EXHAUST GASES (120°C) (1)	kW	270	225	179	131	
EXHAUST GAS TEMPERATURE (1)	°C	372	379	387	395	
HEAT TO RADIATION (1)	kW	30	28	24	20	

CARBURETION SETTINGS (2)					
O ₂ TO EXHAUST(DRY)(ONLY A REFERENCE)	%	9,0	8,9	8,7	8,2

MASS FLOWS					
INTAKE AIR FLOW (1)	kg/h	3060	2480	1920	1360
EXHAUST GAS FLOW (WET) (1)	kg/h	3340	2710	2100	1490

NOTES:
1. 100% LOAD TOLERANCES: FUEL CONSUMPTION +5%, COOLING CIRCUIT AND EXHAUST GASES ± 15%, RADIATION ±25 EXHAUST TEMPERATURE ±20°C, MASS FLOWS ± 10%.
2. THE ENGINE PERFORMANCE DATA, TIMING ADVANCE AND CARBURETION SETTINGS ARE VALID FOR A GAS THAT FULFILS THE REQUIREMENTS DEFINED IN IC-G-D-30-001 AND IC-G-D-30-002
3. NET POWER, MECHANICAL PUMPS NOT INCLUDED.
4. POWERS ARE VALID FOR AMBIENT TEMP. < 25°C AND AN ALTITUDE OF < 500m. OTHER CONDITIONS IN IC-G-B-00-001
5. OVERLOAD NOT ALLOWED
6. THE SPECIFICATIONS AND MATERIALS ARE SUBJECT TO CHANGE WITHOUT NOTIFICATION
7. A ENGINE WITH INLET OR OUTPUT RESTRICTION OVER PUBLISHED LIMITS, OR WITH INADEQUATE MAINTENANCE OR INSTALLATION CAN MODIFY POWER RATING DATA.
8. EMISSIONS ARE CORRECTED TO 5% OF O ₂

Nuevo	Cod.: C-3C	Elab:	ez16	Version:	5.1/23012007	1/1
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