



Biomass 25kW CHP System

**LSM-Yanmar Div.
(800) 663-1753**

	Methan	STD	BOS
Lower Methan Model	55-75%	CP25BG-TF	CP25BGZ-TF
Higer Methan Model	75-95%	CP25BG-TM	CP25BGZ-TM

Model				CP25BG-TF	
Output	Rated output	Grid connection	kW	25	
	Frequency		Hz	50/60	
	Voltage		V	200	
	Current		A	72.2	
	The number of phases			Three-phase three-wire	
	Power factor		%	97 or higher	
Heat recovery	Recovered heat *1		kW (MJ/h)	40.6 (146.2)	
	Outlet hot water temp.		C	Max 85	
	Hot water flow rate (Rated)		L/min	Max 116	
Efficiency	Overall efficiency (Case of 88 C)		%	84	
	Electrical generation efficiency		%	32	
	Exhaust heat recovery (Case of 88 C)		%	52	
Sound level	During Rated output	With radiator fan OFF	dB(A)	62	
		With heat radiator fan ON	dB(A)	64	
Input power supply	Voltage	Three-phase three-wire	V	200	
	Power consumption 60Hz	With radiator fan OFF	kW	0.56	
		With heat radiator fan ON	kW	0.96	
Fuel	Consumption (LHV-based)		kW	78.1	
	Gas supply pressure	Bio-Gas	kPa	2.0 ± 0.5	
	Gas quality	H2S		ppm	≤ 10
		Total Sulfer		ppm	≤ 100
		Siloxane compound		ppm	≤ 0.02 (0.33 mg/Nm3)
		Moisture	below the saturation at gas use temperature		
		other	Without any corrosion compound		
methane concentration fluctuation allowance				± 5%	
External dimensions	Width		mm	1,990	
	Depth	(installation leg)	mm	800 (900)	
	Height		mm	2,010	
	Mass(including cooling water and lubricating oil)		kg	1,225	

*1 in case of 60% of methane concentration

LSM - Yanmar Canada Distributor

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