



Secure Supplies
HYDROGEN
Electric Generator

Sets Perkins engine
& Leroy Somer alternator, 400/230V, 50Hz, 3P4W)

	Standby(kVA)	307	375	425	500	875	1000	
Item	Model	SSB384B	SSB469B	SSB531B	SSB625B	SSB1094B	SSB1250B	
	COP Power	kVA/kW	384/307	469/375	531/425	625/500	1094/875	1250/1000
	frequency	Hz	50	50	50	50	50	50
	rated voltage	V	400	400	400	400	400	400
	rated current	A	553.9	676.6	766.8	902.1	1578.7	1804.3
	power factor	COSΦ	0.8-1.0	0.8-1.0	0.8-1.0	0.8-1.0	0.8-1.0	0.8-1.0
Engine	brand	—	Secure Supplies					
	model	—	4006-23TRS1	4006-23TRS2	4008-30TRS1	4008-30TRS2	4016-61TRS1	4016-61TRS2
	displacement	L	22.92	22.92	30.6	30.6	61.1	61.1
	speed	RPM	1500	1500	1500	1500	1500	1500
	compression ratio	—	12:1	12:1	12:1	12:1	12:1	12:1
	bore*stroke	mm*mm	160*190	160*190	160*190	160*190	160*190	160*190
	cooling method	—	dry-type exhaust	dry-type exhaust	dry-type exhaust	dry-type exhaust	dry-type exhaust	dry-type exhaust
	oil cooler	—	with	with	with	with	with	with
	mixer	—	K20 Gas control	K20 Gas control	K20 Gas control	K20 Gas control	K20 Gas control	K20 Gas control
	ignition system	—	Altronic	Altronic	Altronic	Altronic	Altronic	Altronic
	speed governor	—	PANDAROS	PANDAROS	PANDAROS	PANDAROS	PANDAROS	PANDAROS
Gas train	biogas filter	—	DUNGS, Germany					
	Solenoid Valva	—	DUNGS, Germany, 24V					
	biogas pres. reducer (optional)	—	DUNGS, Germany					
Alternator	brand	—	Leroy Somer	Leroy Somer	Leroy Somer	Leroy Somer	Leroy Somer	Leroy Somer
	model	—	LSA 47.2 VS2	LSA 47.2 S5	LSA 47.2 M7	LSA 49.1 S4A	LSA 49.1L11	LSA 50.2 M6
	phase	—	3 phases, 4 wires	3 phases, 4 wires	3 phases, 4 wires	3 phases, 4 wires	3 phases, 4 wires	3 phases, 4 wires
	connecting method	—	SAE standard	SAE standard	SAE standard	SAE standard	SAE standard	SAE standard
	way of excitation	—	brushless, self-excitation	brushless, self-excitation	brushless, self-excitation	brushless, self-excitation	brushless, self-excitation	brushless, self-excitation
	insulation grade	—	H level	H level	H level	H level	H level	H level
Generator Set	controller cabinet	—	9902	9902	9902	9902	9902	9902
	controller type	—	DSE 7320	DSE 7320	DSE 7320	DSE 7320	DSE 7320	DSE 7320
	display	—	LCD	LCD	LCD	LCD	LCD	LCD
	fuel	—	biogas	biogas	biogas	biogas	biogas	biogas
	gas inlet pressure	kPa	2-10kPa	2-10kPa	2-10kPa	2-10kPa	2-10kPa	2-10kPa
	dimension (open type)	mm*mm*mm	4646*1992*2189	4646*1992*2189	5540*1992*2283	5540*1992*2283	4641*1836*2148	4641*1836*2148
	net weight (open type)	kg	6056	6056	7485	7485	10120	10120
	soundproof enclosure	—	optional	optional	optional	optional	optional	optional
	protection level	—	IP23	IP23	IP23	IP23	IP23	IP23
	warranty period	hrs.	8000	8000	8000	8000	8000	8000
	biogas consumption	m3/kW.h	0.46	0.43	0.44	0.45	0.43	0.43
Genset Electrical Efficiency		%	37.4	38.5	38.1	37.4	38.4	38.6
Genset Thermal Efficiency		%	47.1	41.5	41.9	47.1	45.1	49.2

Genset Total Efficiency	%	84.5	80	80	84.5	83.5	87.8
FOB Price	US\$	\$189,833.00	\$255,893.00	\$291,916.00	\$376,933.00	\$415,582.00	\$440,760.00
with heat recovery system (heat recovery from jacket water and exhaust gas)	add	\$26,000.00	\$28,500.00	\$28,500.00	\$29,500.00	\$47,500.00	\$49,500.00
with soundproof enclosure(67dB(A)@7m)	add	\$18,800.00	\$18,900.00	\$18,900.00	\$19,100.00	\$29,500.00	\$30,500.00
Grid Synch.Control Cabinet (with DSE controller 8620)	add	\$15,500.00	\$16,500.00	\$17,500.00	\$19,200.00	\$23,800.00	\$25,500.00
Remote Radiator for CHP		\$6,590.00	\$7,925.00	\$8,915.00	\$11,315.00	\$15,368.00	\$17,957.00
FOB Price / Silent CHP with Grid	add	\$256,723.00	\$327,718.00	\$365,731.00	\$456,048.00	\$531,750.00	\$564,217.00

Notes:1.The above price is based on 0.8PF, 60Hz, 3P4W, 480V/277V, other voltage grade or single-phase alternator is available on request.

2. The above price is based on open type.

3. Discount is available according to gensets' model and quantity. 3% off for a 20ft container and 5% for a 40ft container.

4. Price of other brand of alternator (Stamford, Marathon,or etc) or controller (ComAp) is available on request.

5. Additional price for parallel control system system and maintenance-free storage battery is available on request.

6. Validity of the quotation: will be advised on your purchase order request to danieldonatelli1@gmail.com

7. Explanation to the MODEL: -(1) The Model #: the 1st M: MiracleGen, the 2nd M: MAN, Y: Y Serial Gas Engine, C: Cummins Gas Engine (2) COP: Continuous Power Rating (24-7-365) (3) N/A: Naturally Aspirated

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