



Item	Model	SP9L	SP18L	SP22L
	fuel	LPG	LPG	LPG
	marks	Synchro CHP	Synchro CHP	Synchro CHP
	electrical output(KWt)	Continuous Power 10/8	Continuous Power 20/16	Continuous Power 30/20
	thermal output(KWt)	19.5	32	40
	electrical efficiency	25.60%	28.48%	28.3%
	thermal efficiency	62.40%	56.95%	56.59%
	overall efficiency	88.00%	85.43%	84.89%
	frequency	50	50	50
	voltage	400/230	400/230	400/230
	gas inlet pressure	3-5	3-5	3-5
	dimension (soundproof type)	1630*780*940	1800*780*1020	1800*780*1020
	net weight	580	650	700
	LPG consumption	0.308	0.277	0.279
	LPG consumption per hour	2.5	4.5	5.6
	standard type-db(A)/7m	57	57	58
	Certificate	CE	CE	CE
	water-water heat exchanger	SWEP	SWEP	SWEP
	water-exhaust heat exchanger	made of full stainless steel	made of full stainless steel	made of full stainless steel
	ignition system	Impco	Impco	Impco
	speed governor	Woodward	Woodward	Woodward
	lambda auto control	HUEGLI	HUEGLI	HUEGLI
	(Optional)NOx and CO	<300	<300	<300
	mixer	Venturi type	Venturi type	Venturi type
	gas filter	Impco	Impco	Impco
	zero regulator	Impco	Impco	Impco
	solenoid valve	AFC	AFC	AFC
	MCB	ABB	ABB	ABB
	GCB	ABB	ABB	ABB
	Brand	ComAp IG-200	ComAp IG-200	ComAp IG-200
	Display	(Optional) 3.2 Inches single color screen	3.2 Inches single color screen	3.2 Inches single color screen
	Engine model	SP9EW	SP-4Y	SP-3RZ
	Engine type	4 cylinders,4stroke,16valves,water-cooled	4 cylinders,4stroke,water-cooled	4 cylinders,4stroke,16valves,water-cooled
	RPM	1500	1500	1500
	Compression Ratio	11	8.8	10.5
	Displacement	1.5L	2.237L	2.7L
	Oil capacity	3.9L	4.2L	5.5L
	Charging voltage/current	12V/6A(DC)	12V/6A(DC)	12V/6A(DC)
	Starting system	Electric-start	Electric-start	Electric-start
	model	Meccalte	Meccalte	Meccalte
	phase	3 phase 4 wires	3 phase 4 wires	3 phase 4 wires
	insulation system	class H	class H	class H
	protection	IP23	IP23	IP23
	Cooling Type	air cooled	air cooled	air cooled
CHP				
Controller				
Engine				
Alternator				