



**Configuration and Quotation on Natural Gas Generator Sets
(Cummins Engine & Marathon Alternator, 400/230V, 50Hz, 3P4W)**

		Standby(kVA)	131	144	165
Item		Model	MC131N	MC144N	MC165N
Spec.	standby power	kVA/kW	131/105	144/115	165/132
	prime power	kVA/kW	119/95	130/104	150/120
	Frequency	Hz	50	50	50
	rated voltage	V	400V	400V	400V
	rated current	A	171.4	187.6	216.5
	power factor	COSΦ	0.8	0.8	0.8
Engine	brand	—	Cummins brand-new gas engine		
	model	—	M-6CTA	M-6CTAA	M-6LTAA
	displacement	L	8.3	8.3	8.9
	speed	RPM	1500	1500	1500
	compression ratio	—	10:1	10:1	10:1
	bore*stroke	mm*mm	114*135	114*135	114*145
	starting method	—	electric start	electric start	electric start

	cooling method	—	water cooled	water cooled	water cooled
	oil capacity	L	18.9	18.9	27.6
	oil cooler	—	with	with	with
	mixer	—	IMPCO, USA	IMPCO, USA	IMPCO, USA
	ignition system	—	made in Canada	made in Canada	made in Canada
	speed governor	—	WOODWARD	WOODWARD	WOODWARD
Alternator	brand	—	Marathon	Marathon	Marathon
	model	—	MP-104-4	MP-104-4	MP-120-4
	phase	—	3 phases, 4 wires	3 phases, 4 wires	3 phases, 4 wires
	connecting method	—	SAE standard	SAE standard	SAE standard
	way of excitation	—	brushless, self-excitation	brushless, self-excitation	brushless, self-excitation
	insulation grade	—	H level	H level	H level
Generator Set	controller cabinet	—	9902	9902	9902
	controller type	—	SmartGen Digital Controller	SmartGen Digital Controller	SmartGen Digital Controller
	display	—	LCD	LCD	LCD
	fuel	—	PNG	PNG	PNG
	gas inlet pressure	kPa	1-5.5kPa	1-5.5kPa	1-5.5kPa
	dimension (open type)	mm*mm*mm	2250*1050*1560	2250*1050*1560	2460*1010*1700
	net weight (open type)	kg	1600	1600	1600

protection level	—	IP23	IP23	IP23
warranty period	hrs.	1350	1350	1500
NG consumption @full load	m ³ /kW.h	0.3	0.3	0.3

