



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

		Standby(kVA)	247	385	688	963
Item	Model		MC247N	MC385N	MC688N	MC963N
Spec.	standby power	kVA/kW	247/198	385/308	688/550	963/770
	prime power	kVA/kW	225/180	350/280	625/500	875/700
	Frenquency	Hz	50	50	50	50
	rated voltage	V	400V	400V	400V	400V
	rated current	A	324.8	505.2	902.1	1263.0
	power factor	COSΦ	0.8	0.8	0.8	0.8
Engine	brand	—	Cummins brand-new gas engine			
	model	—	M-NTAA855	M-KTAA19	M-KTAA38	M-KTAA50
	displacement	L	14	18.9	37.8	50.3
	speed	RPM	1500	1500	1500	1500
	compression ratio	—	10:1	10:1	10:1	10:1
	bore*stroke	mm*mm	140*152	159*159	159*159	159*159
	starting method	—	electric start	electric start	electric start	electric start
	cooling method	—	water cooled	water cooled	water cooled	water cooled
	oil capacity	L	36	38	114	151
	oil cooler	—	with	with	with	with

	mixer	—	IMPCO, USA	IMPCO, USA	IMPCO, USA	IMPCO, USA
	ignition system	—	made in Canada	WOODWARD/ ALTRONIC	WOODWARD	WOODWARD
	speed governor	—	WOODWARD	GAC/ WOODWARD	WOODWARD	WOODWARD
Alternator	brand	—	Marathon	Marathon	Marathon	Marathon
	model	—	MP-180-4	MP-280-4	MX-500-4	MX-700-4
	phase	—	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
	way of excitation	—	brushless, self- excitation	brushless, self- excitation	brushless, self- excitation	brushless, self- excitation
	insulation grade	—	H level	H level	H level	H level
Generator Set	controller cabinet	—	9902	9902	9902	9902
	controller type	—	SmartGen Digital Controller	SmartGen Digital Controller	SmartGen Digital Controller	SmartGen Digital Controller
	display	—	LCD	LCD	LCD	LCD
	fuel	—	PNG	PNG	PNG	PNG
	gas inlet pressure	kPa	1-5.5kPa	1-5.5kPa	1-5.5kPa	1-5.5kPa
	dimension (open type)	mm*mm*mm	2900*1200*1850	3443*1300*1916	4800*2060*2380	5000*2200*2400
	net weight (open type)	kg	2200	4630	7500	9800
	protection level	—	IP23	IP23	IP23	IP23
	warranty period	hrs.	1000	1000	1000	1000
	NG consumption @full load	m ³ /kW.h	0.3	0.3	0.3	0.3

