



CHONGQING RATO TECHNOLOGY CO.,LTD

Next
GENERATION

GASOLINE ENGINE

QUICK START GUIDE



⚠ WARNING

To prevent serious injury:
READ MANUAL BEFORE USE.

PERFECT FOR:



EMERGENCY



RECREATION



LAWN & GARDEN



JOB SITE



HOUSEHOLD



HEATING & COOLING



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BEFORE USING:
Unplug all electrical loads

ADD FLUIDS

Check oil and fuel levels
If needed, fill as shown below



Add oil to engine crankcase
**WITHOUT OIL
GENERATOR WILL
NOT START**



Add fuel to within
1" of the rim of the tank

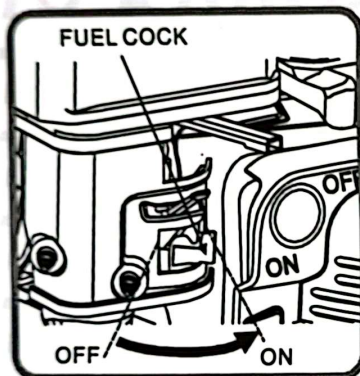
Note: Use regular Unleaded 87 Octane gasoline.
E85 Ethanol blend will damage engine.

GROUND ENGINE TO PREVENT ELECTRIC SHOCK

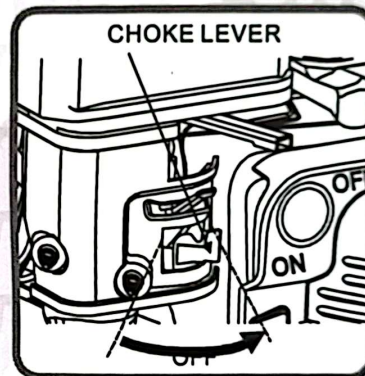




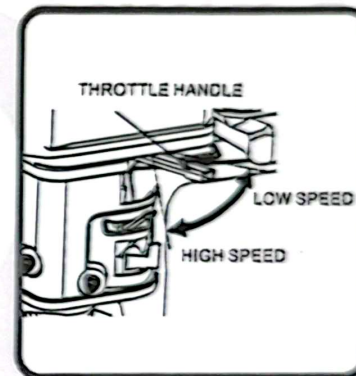
GASOLINE ENGINE STARTING PROCEDURE



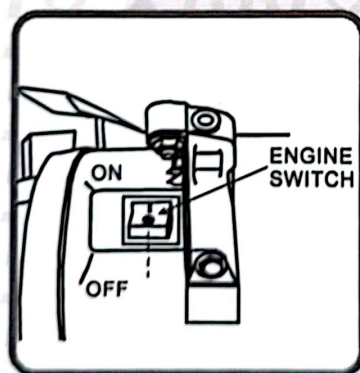
1. Turn the fuel cock to the "ON" position



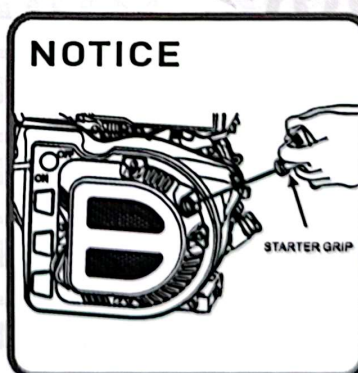
2. Turn the choke lever to the "OFF" position



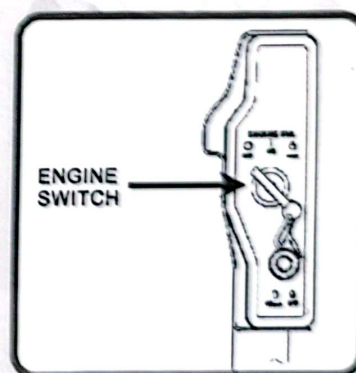
3. Move governor lever to left a little



4. Start the engine



Don't allow the starter grip to snap back against the engine



Only Electric Start



MODEL R100 R210 R270 R390 R420 R440 R500 R670E

ENGINE TYPE	Single Cylinder, 4-Stroke(OHV)							
BORE X STROKE	56X40mm	70X55mm	77X58mm	88X64mm	90X66mm	92X66mm	94X72mm	78X70mm
DISPLACEMENT	98ml	212ml	270ml	389ml	420ml	438ml	500ml	670ml
COMPRESSION RATIO	8.5 : 1	9.0 : 1	8.5 : 1	8.5 : 1	8.5 : 1	8.5 : 1	9.0 : 1	8.1 : 1
NET POWER	1.8kw/ 3600rpm	4.4kw/ 3600rpm	5.8kw/ 3600rpm	7.8kw/ 3600rpm	8.8kw/ 3600rpm	9.8kw/ 3600rpm	12.5kw/ 3600rpm	15.5kw/ 3600rpm
OIL CAPACITY	0.4L	0.55L	1.1L	1.1L	1.1L	1.1L	1.2L	1.5L
FUEL TANK CAPACITY	1.8L	3.6L	5.4L	6.5L	6.5L	6.5L	7.0L	—
DIMENSION	310x290x310	410x370x380	415x392x425	415x413x440	415x413x440	415x413x440	475x425x440	730x580x580
NET WEIGHT	8.8KGS	16KGS/17KGS	26KGS	31KGS	32KGS	34KGS	36KGS	45KGS

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QUICK REFERENCE GUIDE
GUIDE D'UTILISATEUR
GUIDA RAPIDA DI UTILIZZAZIONE
GUÍA DE REFERENCIA RÁPIDA

MODEL MODÈLE MODELLO MODELO	ITEM ARTICLE ARTICOLO ARTÍCULO	RATED WATTS WATTS PUISSANCE NOMINALE WATT POTENZA NOMINALE WATTS (W) NOMINALES	STARTING WATTS PRESANCE AU DÉMARRAGE en POTENZA ALL'AVVIAMENTO en WATTS en MÀXIMOS
1 kW	R100	25	25
4 kW	R210	40	40
5.5 kW	R270	100	100
7 kW	R300	100	100
8 kW	R420	50	150
9 kW	R440	150	150
12 kW	R500E	800	800
15.5 kW	R670E	1250	1250
		1250	1250
		1650	1650
		600	1800
		1000	2000
		800	2100
		1100	3300
		1150	3450
		1250	3750
		1400	4200
		1600	4800
		2000	6000

Table Saw 255 mm
Table saw 255 mm
Säge circulaire 255 mm
Serra de mesa de 255 mm

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Approximate values / Valeurs indicatives / Valori indicativi / Valores orientativos



MAINTENANCE

Maintain the engine periodically in accordance with the maintenance schedule in the manual. The maintenance schedule is made out on the base of normal use in normal conditions, if using under heavy load, dusty or wet circumstances or in high temperature, service of the engine should be done more often.