

IGBT INVERTER AIR PLASMA CUTTING MACHINE

Main Features

- ✓ Applicable for both manual & CNC cutting
- ✓ Heavy duty design, duty cycle 100% at rated current
- ✓ Digital control with steady current, high concentration and high cutting quality



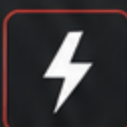
MANUAL &
CNC CUTTING



100% DUTY
CYCLE



DIGITAL
CONTROL



STEADY
CURRENT



HIGH CUTTING
QUALITY



Technical Specifications

Model	LGK-60	LGK-100	LGK-120
Voltage/Frequency(V/Hz)	3~380V±15% 50-60Hz		
Rated input capacity (KVA)	10	19	26
Rated input current(A)	15	29	37
Power factor	0.72		
Efficiency (%)	90	90	90
Rated output current(A)	60	100	120
Rated output voltage(V)	104	120	128
Output voltage(V)	180	200	200
Duration of rated load (%)	100/40°C	100/40°C	100/40°C
Output no-load voltage(V)	308	310	310
Output current range(A)	25~60	30~100	30~120
Quality cutting thickness(steel-mm)	12	18	22
Maximum cutting thickness(steel-mm)	25	40	50
Plasma gas usage	Compressed Air		
Working gas pressure range (Mpa)	0.45 ~ 0.55	0.45 ~ 0.55	0.5 ~ 0.6
Insulation class	F		
Case protection class	IP21S		
Cooling mode	Air		
Arc starting mode	Non-Contact arc-striking		
Dimensions (L×W×H)	580×295×480	645×295×550	670×325×595
Net weight (Kg)	28.5	54	55

Cutting Parameters

Parameter	Model	LGK-60	LGK-100	LGK-120
Mild steel	Quality cut	12mm	18mm	22mm
	Severance ability	25mm	40mm	45mm
	Max pierce	10mm	20mm	22mm
Stainless steel	Quality cut	12mm	28mm	32mm
	Severance ability	28mm	18mm	32mm
	Max pierce	8mm	18mm	20mm
Aluminum	Quality cut	12mm	28mm	32mm
	Severance ability	28mm	18mm	32mm
	Max pierce	8mm	18mm	20mm



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