

PLASMA

LGK Series



3
Phase

50/60
Hz

EMC

DC
HF

CC/CV

Duty Cycle
60%

Duty Cycle
100%



CNC



LGK-63MA



LGK-100MA



POWERCUT-105

Functions

Plasma cutting & Air ARC Gouging.

Application Industry

Heavy Industrial Fabrication
Oil & Gas Industries Fabrication
Industrial Maintenance
Automobile Industries
Railways heavy Fabrication
PEB Industries
Stainless Steel Fabrication
Process Industries
Cement Industries
Ship Building yard
Power generation industries



Accessories



PLASMA

LGK Series



Features :-

- ❖ Compact Size, Lightweight & Power Saving
- ❖ Strong Current Output, Superior Cutting and Gouging Performance
- ❖ Stepless Adjustment of Current in a wide range.
- ❖ Digital Display for Accurate Parameter Preset.
- ❖ Suitable for Ferrous & Non Ferrous Metals etc.
- ❖ Adopting Inverter Soft Switch Technology Cutting Current is Stable.
- ❖ With Fast Cutting Speed & High Efficiency the Machine speed is 2-5 times
- ❖ Faster than the Traditional Machine.
- ❖ Good ARC Rigidity & Cutting Groove.
- ❖ Suitable for Automation, Robot & CNC Cutting.

TECHNICAL SPECIFICATIONS:

PARAMETERS	MACHINE MODELS		
	LGK-63MA	LGK-100MA	POWERCUT-105 For CNC
Input Voltage (V)	3Ph. 415 \pm 10%	3Ph. 415 \pm 10%	3Ph. 415 \pm 10%
Frequency (Hz)	50Hz	50Hz	50Hz
Rated Input Current (A)	13 A	22 A	32.5 A
Power (KVA)	9.3 KVA	15.8 KVA	23.4 KVA
No Load Voltage (V)	265 V DC	300 V DC	348 V DC
Output Current Range (A)	30-63 A DC	30-100 A DC	30-105 A DC
Rated Output Voltage (V)	100 V DC	115 V DC	160 V DC
Duty Cycle @40°C (%)	60%	60%	100%
No Load Loss (W)	60 W	80 W	60 W
Efficiency (%)	93%	89%	94.3%
Power Factor (PF)	0.8	0.85	0.76
Arcing Way	High Frequency	Pilot ARC	Non High Frequency Striking
Insulation Grade	FClass	FClass	FClass
Protection Class	IP21S	IP21S	IP21S
Quality Cutting Thickness	12 mm	25 mm	20 mm
Maximum Cutting Thickness	18 mm	30 mm	40 mm
Air Pressure	0.3-0.5 MPa	0.3-0.6 MPa	0.3-0.5 MPa
Nett. Weight Power Source (Kg.)	25 Kg.	30 Kg.	46 Kg.
Dimensions (mm)	530x280x485	530x280x485	675x315x605