

Air Plasma Arc Cutting Machine

LGK-series products are air plasma-arc cutting machine with IGBT inverter technology, which are suitable to cut low-carbon steel, alloy steel and nonferrous metal, etc

Main Functions

- Continuous adjustment for cutting current.
- Outstanding cutting quality.
- Two cutting states: hold and no hold.
- Post gas function.
- Protective functions: overheat, over-current, under-voltage and power phase absence, etc.



LGK-40



LGK-60



LGK-120

Technical Specifications

Model	LGK-40 (PG10-40R)	LGK-60 (PG10-60)	LGK-120 (PG20-120)
Rated input voltage	1-220V ± 10% 50-60Hz	3 -380 ± (15-20) % 50-60Hz	3-380V ± 20% 50-60Hz
Rated input power (KW)	4	8.4	17
No-load voltage (V)	230	320	300
Current adjusting range (A)	10 - 40	30 - 60	30 - 120
Rated output voltage (V)	96	104	128
Duty cycle	60%	60%	60%
Efficiency (η)	90%	90%	90%
Power factor (cos Φ)	0.93	0.93	0.90
Quality cutting thickness (mm)	8 (carbon steel)	15 (carbon steel)	32 (carbon steel)
Max. cutting thickness (mm)	12 (carbon steel)	30 (carbon steel)	44 (carbon steel)
Insulation grade	B	F	F
Case protection grade	IP21	IP21	IP21
Dimensions (mm)	375 x 155 x 240	697 x 360 x 526	700 x 360 x 783
Net weight (Kg)	8	38	69
Gas flow (L/mim)	180 - 400	180 - 400	180 - 400
Description	Light and Portable. MOSFET technology, invert frequency is 100KHz.	Two cutting states: hold and no hold. HF arc-striking. Post gas function.	Two cutting states: hold and no hold. Non-HF arc-striking. Post gas function. Suitable for automatic cutting.