

# NARITA LC BURNER

LC-20K-S LC-50K-S LC-100K-S LC-200K-S LC-400K-S LC-800K-S  
LC-20K-L LC-50K-L LC-100K-L LC-200K-L LC-400K-L LC-800K-L



## ●FEATURES

- Aluminum alloy is used for burner body and it is light and compact.
- It is available in wide range of application with its short and long flame specifications.
- Piping around the burner is easy with its main burner direct ignition system.
- Preheated air up to 300 degrees is usable.

## ●PRINCIPAL USES

- Furnace, crucible type nonferrous metal melting furnace, pot type metal heat treatment furnace, ladle heating equipment.

## ●NOTES

- Avoid using in the area burner body may be thermally-damaged when high temperature air blown.
- Avoid using in facilities where ultraviolet phototube is installed to view inside of furnace at the front of burner such as flame other than burner exists in the furnace like an incinerator or the other burner flame exists in the opposite face. (Special edition flame rod detection)
- Internal diameter of the combustion liner must be followed by the dimensional accuracy of specification form. (Use a metal heat chamber for 20K. Metal combustion liner is recommended for 50K and 100K.)
- Input at the time of direct ignition must be under 52kW and the ignition trial time must be within 5 seconds.
- Use an ignition transformer, having a capacity of more than 6kV and 100VA.
- Apply cooling air through ultraviolet phototube when using preheated air.

## NARITA Outline of NARITA Group Companies

### □ NARITA TECHNO CO.,LTD.

20,Kamijinya-cho,Seto,Aichi 489-0063.JAPAN  
Phone: +81-561-21-1111 Facsimile: +81-561-21-1112  
Web Site: <http://www.naritatechno.co.jp/>  
Email: [info@naritaseitoshoco.jp](mailto:info@naritaseitoshoco.jp)

### □ NARITA SEISAKUSHO CO.,LTD.

91,Tomishiro,Simotsuya, Kumiyama-cho,Kuse-gun,Kyoto 613-0035.JAPAN  
Phone: +81-774-43-5811 Facsimile: +81-774-44-1103  
Web Site: <http://www.narita-mfg.co.jp/>  
Email: [narita-inf@narita-mfg.co.jp](mailto:narita-inf@narita-mfg.co.jp)

### □ NARITA SEITOSHO CO.,LTD.

70,Dosen-cho,Seto,Aichi 489-8680,JAPAN  
Phone: +81-561-82-6138 Facsimile: +81-561-84-9677  
Web Site: <http://www.naritaseitoshoco.jp/>  
Email: [webmaster@naritaseitoshoco.jp](mailto:webmaster@naritaseitoshoco.jp)

## ● SPECIFICATIONS

Model No.	LC-20K		LC-50K		LC-100K		LC-200K		LC-400K		LC-800K		Remarks	
Spec	S	L	S	L	S	L	S	L	S	L	S	L	S.Short flame / L.Long flame	
Fuel	13A (LPG)											13A		
Standard Input (kW)	20		52		104		207		427		842		lower heating	
Standard gas rate (m <sup>3</sup> /h)	1.8		4.5		9		18		37		73		13A	
Outside dimensions	A (mm)	236		272		328		387		466		557		S.Short flame spec
	A (mm)	281		262		333		387		466		507		L.Long flame spec
	B (mm)	85		80		80		100		100		150		S.Short flame spec
	B (mm)	130		70		85		100		80		100		L.Long flame spec
	C (mm)	35		55		85		100		140		140		
	D (mm)	46		65		82		119		149		170		
	E (mm)	23		25		34		21		30		50		
Attaching dimensions	F (mm)	65		80		110		115		150		200		
	G (mm)	9		10		11		12		15		18		
	H (mm)	□ 86		□ 110		□ 135		□ 160		□ 200		□ 236		
	I (mm)	□ 68		□ 86		□ 104		□ 130		□ 160		□ 196		
Connection DIA	J (Bolt hole)	4-φ8		4-φ10		4-φ12		4-φ12		4-φ14		4-φ16		
	K (Gas)	PT 10A		PT 15A		PT 20A		PT 20A		PT 32A		PT 50A		
	L (Air)	PT 20A		PT 25A		PT 40A		PT 50A		80A JIS 5kF		150A JIS 5kF		
Combustion nozzle dimension	M	PT 6A		PT 10A		PT 10A		PT 15A		PT 20A		PT 25A		Ultraviolet phototube attaching portion
	N (mm)	/		φ51±1		φ62±2		φ80±2		φ100±3		φ150±3		Inside diameter of combustion nozzle
	O (mm)	200		200		200		200		200		250		Case of straight short flame/long flame
Weight (kg)	200		230		230		250		250		300		Fine-tipped short flame spec	
	200		230		230		250		250		300		Except for combustion nozzle dimension	
Turn-down Ratio	4 : 1		10 : 1		10 : 1		10 : 1		8 : 1		16 : 1			
Method of firing	Direct ignition													
Method of flame detection	Ultraviolet phototube		Ultraviolet phototube (or flame rod)											

## ● OUTER CONFIGURATIONS

