

Cartridge Heaters

High Temperature

Cartridge Heaters – High Temperature

RoHS 10

MHK No Flange

MHKA Flange Shape A

MHKB Flange Shape B

Material: Heater: Incoloy
Lead Wire: Glass Braid Lead (Heat Resistance Temperature: 200°C)

Precautions for Use

- Ⓢ Do not let heater run exposed in the atmosphere. Operating the heater when heat-generating part is out of heated products, the wire may break or ignite due to abnormal heating.
- Ⓢ Pay attention to insulation tube as it is easy to fall off.
- Ⓢ Keep the temperature around the lead wire exit at 130°C or less.

Features of the Cartridge Heater – High Temperature

This cartridge heater has higher electrical power density and excels in thermal efficiency compared with conventional products.

Maximum operating temperature: 871°C. (Heater Surface Temperature)

Sheath part, made of Incoloy that excels in heat-resistance, is strong and has long operation life.

High Temperature

Part Number	Type	D	L	V Voltage	W Electrical Power	Electrical Power Density W/cm ²
MHK	MHKA	6.25	25.4	120	80	32.3
				120	100	40.3
				120	150	60.5
			31.8	120	75	20.2
				120	100	26.8
				120	125	33.7
				120	150	40.3
				240	150	40.3
				240	200	53.6
			38.1	120	100	20.2
				120	150	30.2
				240	150	30.2
240	175	35.4				
120	200	40.3				
240	200	40.3				
50.8	120	50	7.4			
	120	100	13.5			
	120	150	20.2			
	240	150	20.2			
	240	200	26.8			
	240	250	33.6			
76.2	120	100	8.1			
	120	150	12.1			
	120	200	16.1			
	240	200	16.1			
	120	250	20.2			
	240	250	20.2			
101.6	120	300	24.2			
	240	300	24.2			
	120	100	5.7			
	120	150	8.7			
	120	200	11.5			
	240	200	11.5			
152.4	120	250	14.4			
	240	250	14.4			
	120	300	17.2			
	240	300	17.2			
	120	300	11.0			
	240	300	11.0			
MHK	MHKA	9.42	25.4	120	50	13.2
				120	100	26.7
				120	150	40.1
			31.8	120	75	13.2
				120	100	17.5
				120	125	22.0
				120	150	26.4
				240	150	26.4
				120	200	35.7
			38.1	120	100	13.2
				120	150	19.7
				240	150	19.7
120	200	26.4				
240	200	26.4				
120	250	33.5				
44.5	120	120	13.3			
	120	150	15.8			
	120	175	18.9			
	240	200	21.2			
	120	250	26.7			
	240	250	26.7			
50.8	120	50	4.3			
	120	100	8.7			
	120	150	13.2			
	240	150	13.2			
	120	200	17.5			
	240	200	17.5			
57.2	120	250	22.0			
	240	250	22.0			
	120	300	26.8			
	240	300	26.8			
	120	350	30.7			
	240	350	30.7			
63.5	120	400	35.7			
	240	400	35.7			
	120	75	5.7			
	120	100	7.6			
	240	150	11.3			
	120	175	13.2			
MHK	MHKA	9.42	76.2	120	100	5.3
				120	150	8.0
				120	200	10.5
			88.9	120	250	13.2
				240	250	13.2
				120	300	15.8
				240	300	15.8
				120	400	21.4
				240	400	21.4
			101.6	120	500	26.4
				240	500	26.4
				120	600	32.2
120	250	11.2				
120	300	13.3				
240	300	13.3				
127.0	120	500	22.3			
	240	500	22.3			
	120	150	5.7			
	120	200	7.6			
	120	250	9.5			
	240	250	9.5			
152.4	120	300	11.3			
	240	300	11.3			
	120	400	15.0			
	240	400	15.0			
	120	500	18.9			
	240	500	18.9			
MHK	MHKA	9.42	101.6	120	125	5.0
				120	150	6.6
				120	200	8.8
			127.0	120	250	12.6
				240	250	12.6
				120	300	15.0
				240	300	15.0
				120	400	20.0
				240	400	20.0
			152.4	120	500	25.0
				240	500	25.0
				120	600	32.2
120	250	12.6				
120	300	14.9				
240	300	14.9				
MHK	MHKA	9.42	152.4	120	150	15.0
				120	200	20.0
				120	250	25.0
			177.8	120	300	33.3
				240	300	33.3
				120	400	44.4
				240	400	44.4
				120	500	55.5
				240	500	55.5
			203.2	120	600	72.0
				240	600	72.0
				120	750	90.0
240	750	90.0				
120	1000	120.0				
240	1000	120.0				

Ⓢ Please refer to "Precautions for Use" in the Cartridge Heaters Overview on P.3704. Ⓢ Part number "MCHK" has changed to "MHK". (No changes in performance).

Cartridge Heaters

High Temperature, continued

Part Number	Type	D	L	V Voltage	W Electrical Power	Electrical Power Density W/cm ²
MHK	MHKA	9.42	177.8	120	250	5.1
				120	600	12.4
				240	600	12.4
			203.2	120	300	5.3
				120	450	7.9
				120	500	9.0
				240	500	9.0
				240	750	13.2
				240	1000	17.5
			254.0	120	400	5.6
				120	500	7.0
				240	500	7.0
240	600	8.4				
240	800	11.2				
240	1000	14.0				
304.8	120	400	4.7			
	120	600	7.0			
	240	600	7.0			
	240	1000	11.5			
	31.8	120	125	16.6		
	38.1	120	150	15.0		
MHK	MHKA	12.6	50.8	120	75	5.0
				120	150	8.4
				120	200	13.3
			76.2	240	200	13.3
				120	250	16.7
				240	200	10.5
				120	250	16.7
				120	300	20.0
				240	300	20.0
			57.2	120	400	26.5
				240	400	26.5
				120	75	4.3
120	125	7.1				
120	250	14.3				
240	250	14.3				
63.5	120	500	28.5			
	240	500	28.5			
	120	100	5.0			
	120	250	12.6			
	240	250	12.6			
	120	300	14.9			
MHK	MHKA	12.6	63.5	240	300	14.9
				120	150	5.7
				120	200	7.6
			76.2	120	250	9.5
				240	250	9.5
				120	300	11.3
				240	300	11.3
				120	400	15.0
				240	400	15.0
			88.9	120	500	22.3
				240	500	22.3
				120	150	5.7
120	200	7.6				
120	250	9.5				
240	250	9.5				
MHK	MHKA	15.77	76.2	120	125	5.0
				120	150	6.6
				120	200	8.8
			101.6	240	200	13.3
				120	250	16.7
				240	200	10.5
				120	250	16.7
				120	300	20.0
				240	300	20.0
			127.0	120	400	26.5
				240	400	26.5
				120	75	4.3
120	125	7.1				
120	250	14.3				
240	250	14.3				
152.4	120	500	28.5			
	240	500	28.5			
	120	100	5.0			
	120	250	12.6			
	240	250	12.6			
	120	300	14.9			
MHK	MHKA	15.77	76.2	240	300	14.9
				120	150	5.7
				120	200	7.6
			101.6	120	250	9.5
				240	250	9.5
				120	300	11.3
				240	300	11.3
				120	400	15.0
				240	400	15.0
			127.0	120	500	22.3
				240	500	22.3
				120	150	5.7
120	200	7.6				
120	250	9.5				
240	250	9.5				
152.4	120	300	11.3			
	240	300	11.3			
	120	400	15.0			
	240	400	15.0			
	120	500	18.9			
	240	500	18.9			
MHK	MHKA	15.77	101.6	120	125	5.0
				120	150	6.6
				120	200	8.8
			127.0	240	200	13.3
				120	250	16.7
				240	200	10.5
				120	250	16.7
				120	300	20.0
				240	300	20.0
			152.4	120	400	26.5
				240	400	26.5
				120	75	4.3
120	125	7.1				
120	250	14.3				
240	250	14.3				
MHK	MHKA	15.77	152.4	120	500	28.5
				240	500	28.5
				120	100	5.0
			177.8	120	250	12.6
				240	250	12.6
				120	300	14.9
				240	300	14.9
				120	400	15.0
				240	400	15.0
			203.2	120	500	22.3
				240	500	22.3
				120	100	5.0
120	250	12.6				
240	250	12.6				
120	300	14.9				
MHK	MHKA	15.77	203.2	240	300	14.9
				120	150	5.7
				120	200	7.6
			254.0	120	250	9.5
				240	250	9.5
				120	300	11.3
				240	300	11.3
				120	400	15.0
				240	400	15.0
			304.8	120	500	18.9
				240	500	18.9
				120	150	4.5
120	200	5.9				
120	300	8.8				
240	300	8.8				
MHK	MHKA	15.77	304.8	120	500	14.7
				240	500	14.7
				120	600	23.9
			31.8	240	600	23.9
				120	750	22.0
				240	750	22.0
				120	200	4.8
				120	250	6.0
				120	300	7.3
			50.8	240	300	7.3
				120	400	9.8
				240	400	9.8
120	500	12.2				
240	500	12.2				
120	600	14.6				
76.2	240	600	14.6			
	120	750	18.1			
	240	750	18.1			
	120	900	21.5			
	240	900	21.5			
	120	1000	24.0			
MHK	MHKA	15.77	76.2	120	150	4.8
				120	250	8.1
				120	300	8.1
			101.6	120	500	16.0
				240	500	16.0
				120	750	23.9
				240	750	23.9
				120	250	5.7
				240	250	5.7
			127.0	120	400	9.1
				240	400	9.1
				120	500	11.3
240	500	11.3				
120	1000	22.6				
240	1000	22.6				
MHK	MHKA	15.77	152.4	120	250	4.3
				120	350	7.8
				240	350	7.8
			177.8	120	400	9.0
				240	400	9.0
				120	500	11.2
				240	500	11.2
				120	750	16.6
				240	750	16.6
			203.2	120	1000	22.2
				120	250	4.5
				120	350	6.4
120	500	9.0				
240	500	9.0				
240	750	13.6				
254.0	120	800	14.4			
	240	800	14.4			
	120	1000	18.			