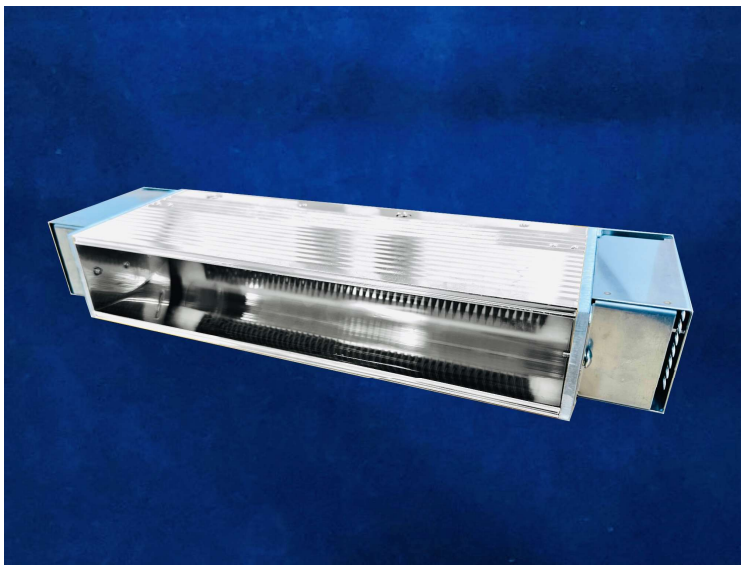


# **FAST HEATING**

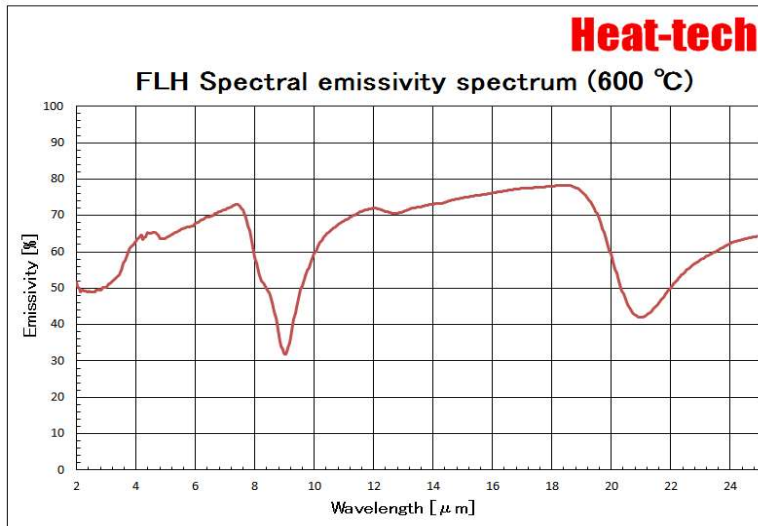
## Far-infrared Line Heater

### FLH-55 Series

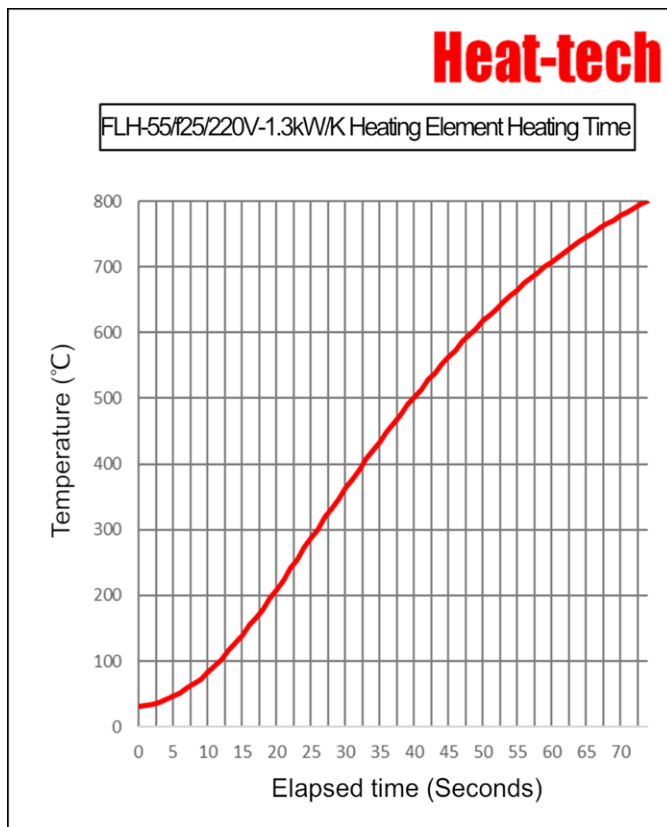


- ◆ Rising is early, so heating time can be reduced.
- ◆ Highly precise temperature control can be done.
- ◆ Frequency management of heating element can be done.
- ◆ This is a far-infrared radiation, so this is good at heating of glass.
- ◆ Ultra-compact.
- ◆ Clean.
- ◆ When this is lined up, plane heating can be done.

# **Heat-tech**

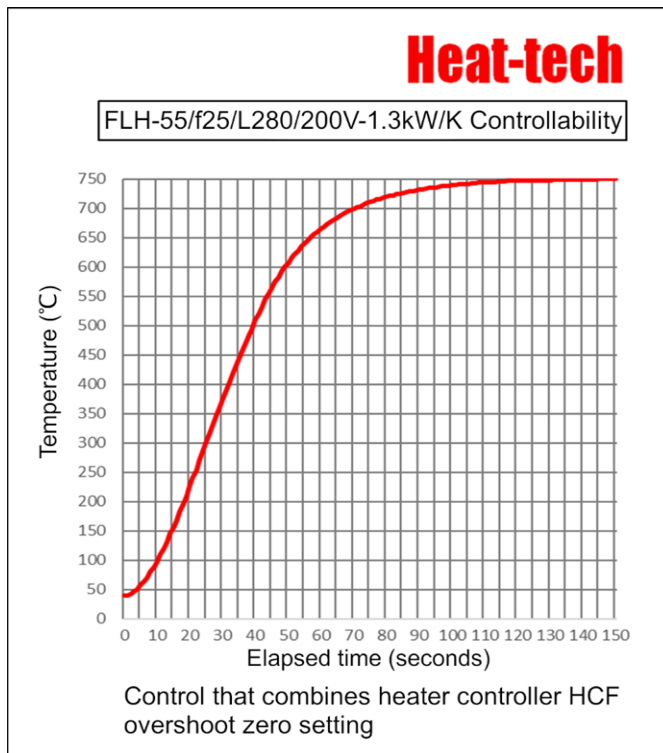


◆ Rising is early, so heating time can be reduced.



◆ Highly precise temperature control can be done.

Since thermocouple built-in, user can adjust freely the temperature of the heating element.



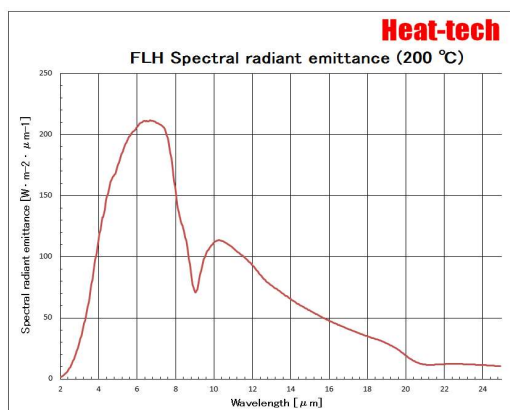
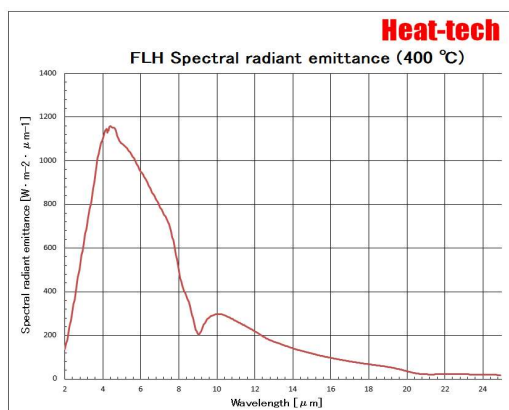
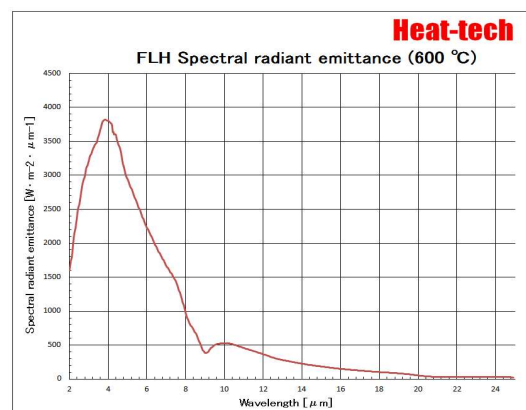
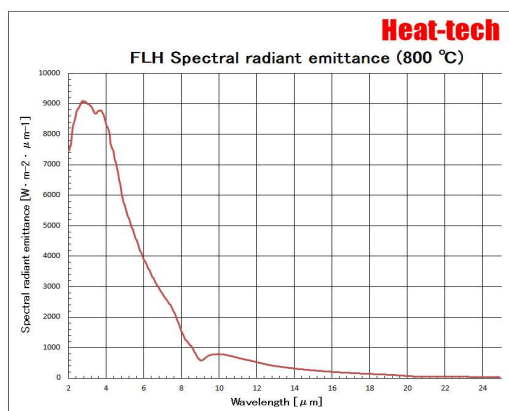
◆ **Frequency management of heating element can be done.**

By adjusting the temperature of the heating element, it is possible to manage the far-infrared rays of the peak frequency

**Black body radiation energy**

Temp.	Peak wavelength
800°C	2.70 $\mu\text{m}$
700°C	2.98 $\mu\text{m}$
600°C	3.32 $\mu\text{m}$
500°C	3.75 $\mu\text{m}$
400°C	4.31 $\mu\text{m}$
300°C	5.06 $\mu\text{m}$
200°C	6.13 $\mu\text{m}$
100°C	7.77 $\mu\text{m}$

✂ It also reduces the transfer (radiation) energy and lower the temperature.



◆ This is a far-infrared radiation, so this is good at heating of glass.

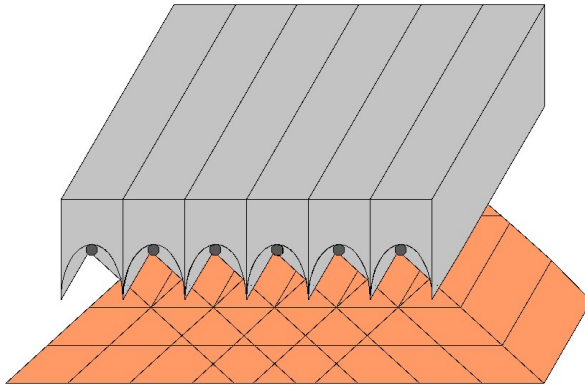
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◆ Clean.

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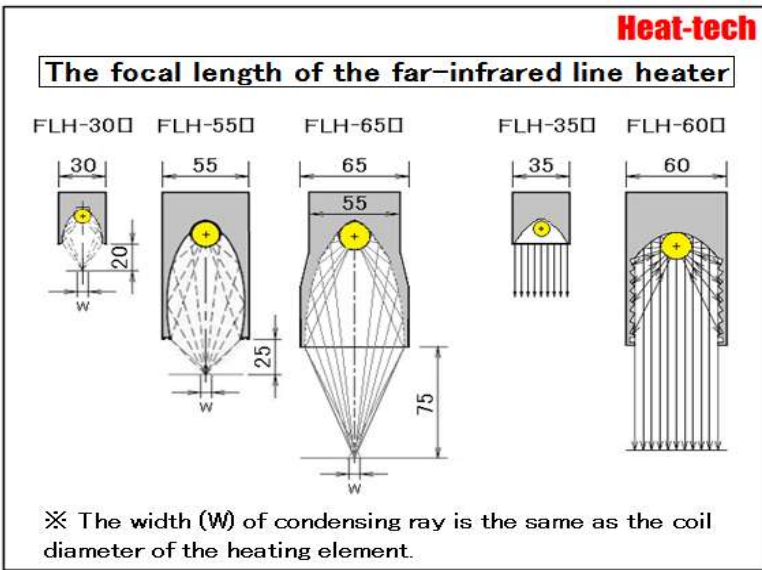
It's medium-less by non-contact heating, so it can be heated very cleanly.

◆ When this is lined up, plane heating can be done.



When used side by side, surface heating is possible.  
Uniform far-infrared surface heating can be achieved.

【 Focal length 】



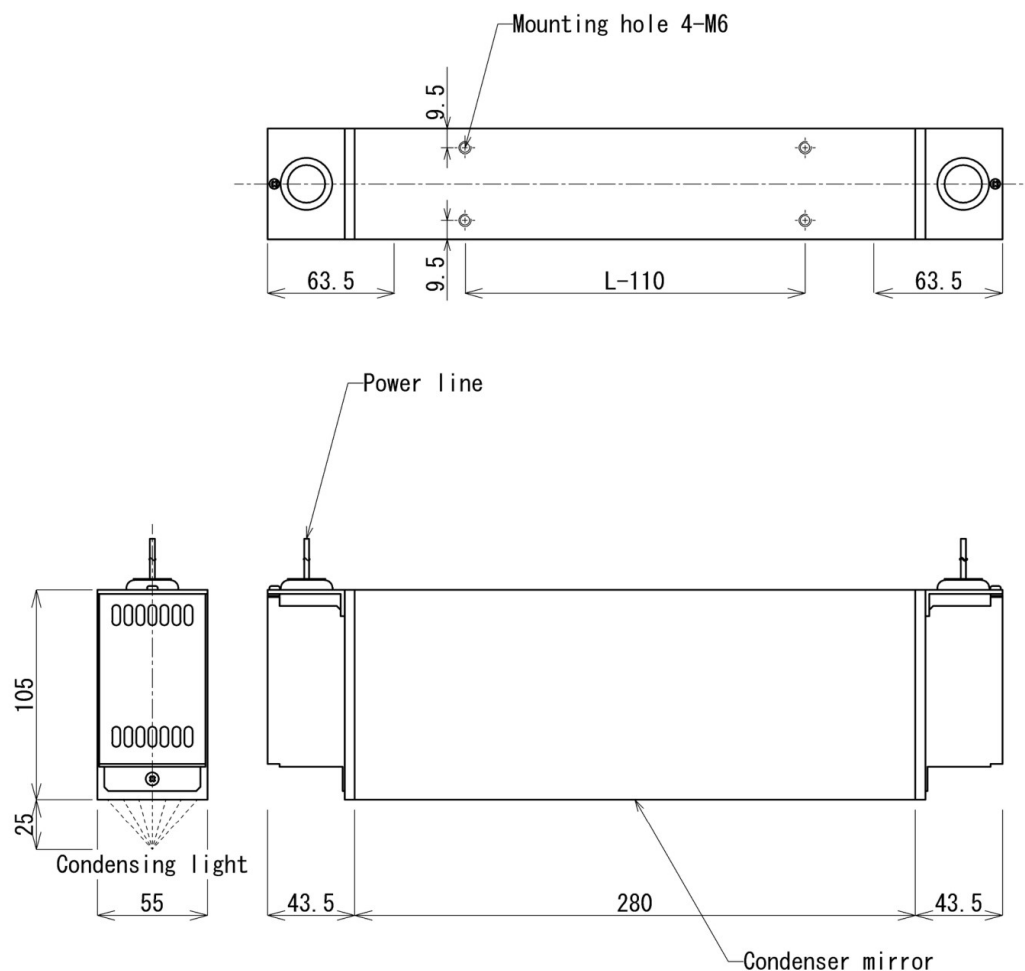
【 Models Variation 】

Model	Optical axis	Condensing beam width	Focal length	Cooling system	Power	Mirror length
FLH-55	Condensing	18mm	25mm	Natural dissipation	300W~1kW	100~280mm
FLH-55A				Air cooling	350W~1.3kW	100~280mm
FLH-55W				Water-cooled	350W~1.3kW	100~280mm

【 Models constitution 】

(Example) FLH-55A/f25/L280/220V-1.3kW/K/P3m•K3m

Basic Model	Mirror width	Cooling	Focal length	Mirror length	Voltage	Wattage	Built-in T/C	Power wire	T/C wire	Detail description
FLH-	55	<input type="checkbox"/>	/f25	/L	/V-	W	/	/Pm	Km	Far-infrared line heater Condensing type
		<input type="checkbox"/>								Natural heat dissipation
		A								Air cooling
		W								Water-cooled
				280						Mirror net length 280mm
				Specified						Mirror net length specified 100~280mm
					220v					Heater voltage 220v
					Specified					Heater voltage Specified
						Specified				Heater power Specified
							Blank			Nothing
							K			K thermocouple
							R			R thermocouple
								Blank		Nothing
								Specified		Nothing
									Blank	Nothing
									Specified	T/C lead wire specified length

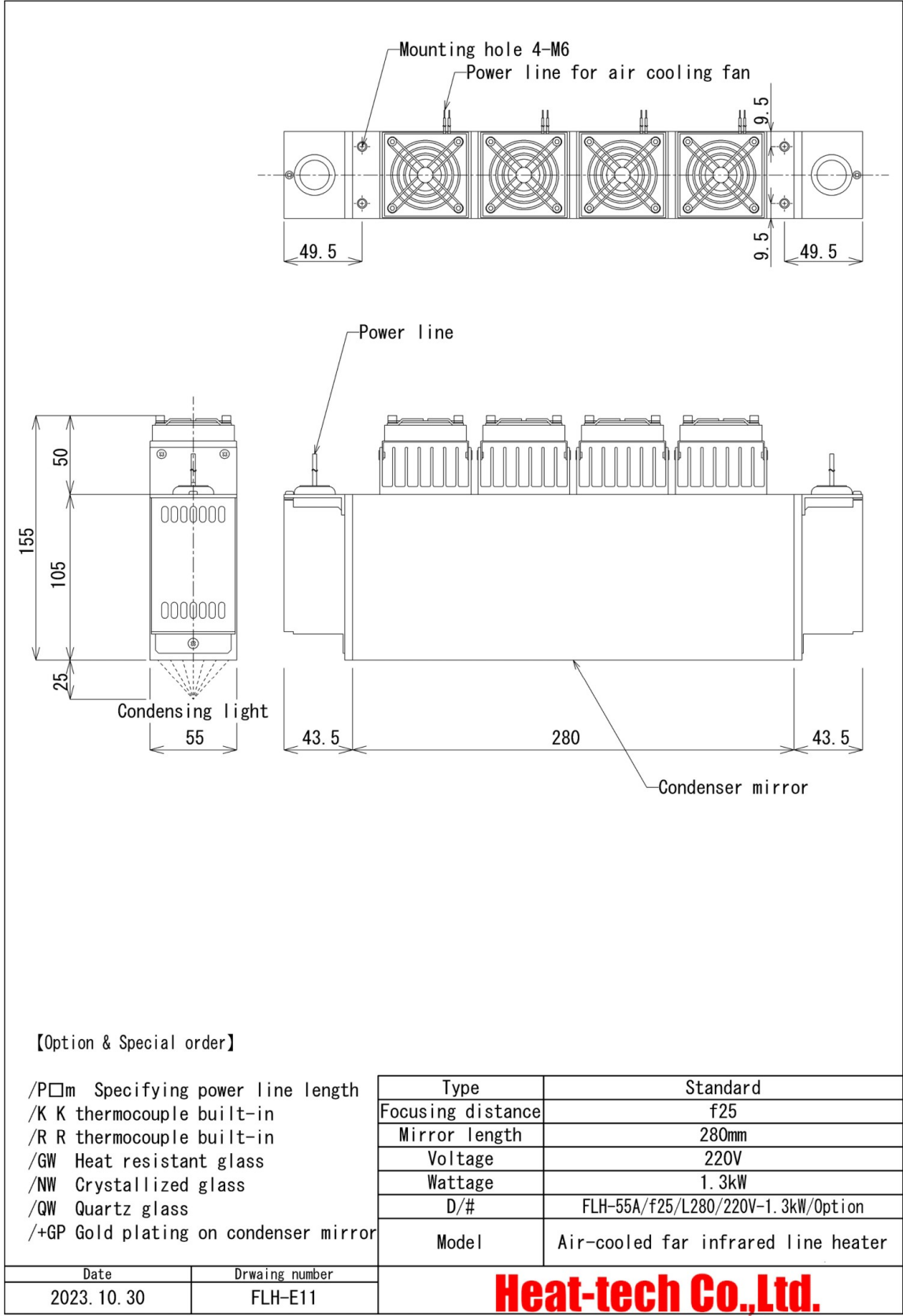


【Option & Special order】

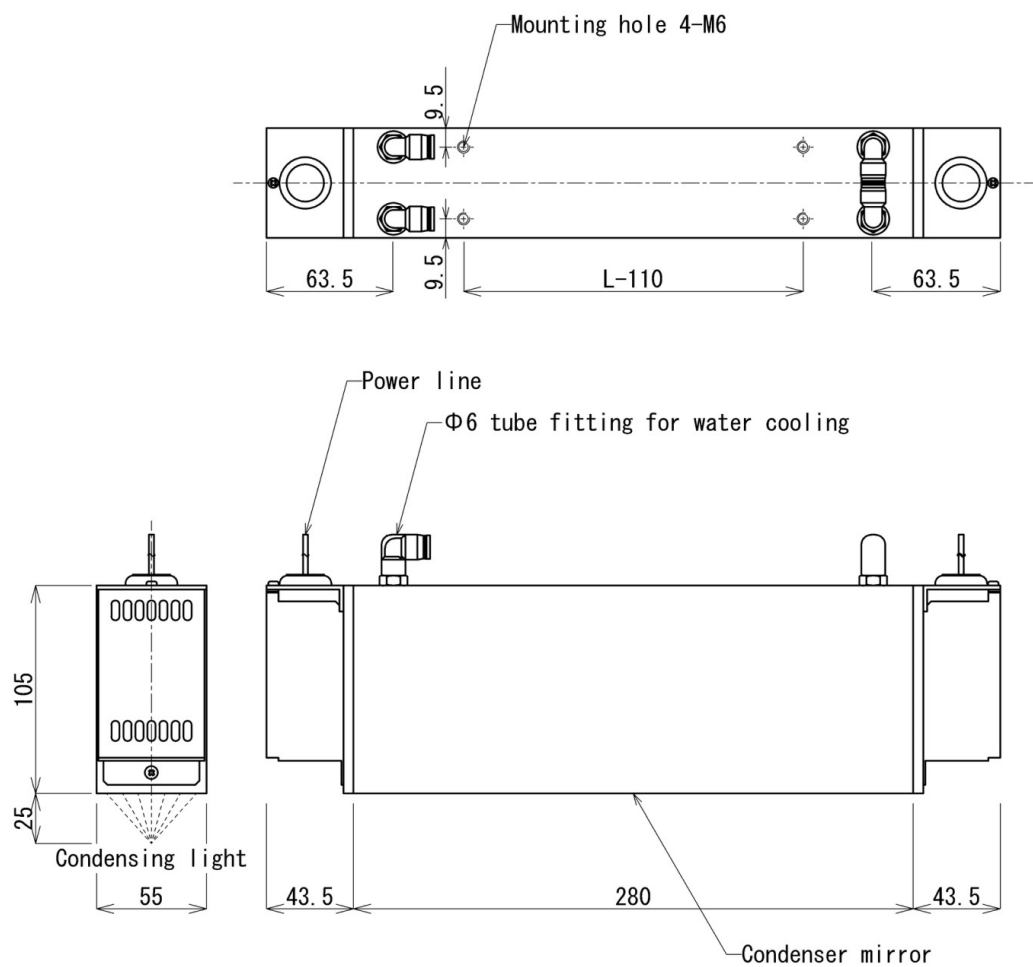
/P□m Specifying power line length  
 /K K thermocouple built-in  
 /R R thermocouple built-in  
 /GW Heat resistant glass  
 /NW Crystallized glass  
 /QW Quartz glass  
 /+GP Gold plating on condenser mirror

Type	Standard
Focusing distance	f25
Mirror length	280mm
Voltage	220V
Wattage	1kW
D/#	FLH-55/f25/L280/220V-1kW/Option
Model	Natural heat dissipation type far infrared line heater

Date	Drwaing number	Heat-tech Co.,Ltd.
2023. 10. 30	FLH-E10	







【Option & Special order】

/P□m Specifying power line length  
 /K K thermocouple built-in  
 /R R thermocouple built-in  
 /GW Heat resistant glass  
 /NW Crystallized glass  
 /QW Quartz glass  
 /+GP Gold plating on condenser mirror

Type	Standard
Focusing distance	f25
Mirror length	280mm
Voltage	220V
Wattage	1.3kW
D/#	FLH-55W/f25/L280/220V-1.3kW/Option
Model	Water-cooled far infrared line heater

Date	Drwaing number
2023. 10. 30	FLH-E12

**Heat-tech Co.,Ltd.**

No-touch High Temperatures Hating

# Heat-tech

**Heat-tech Co., Ltd.**

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