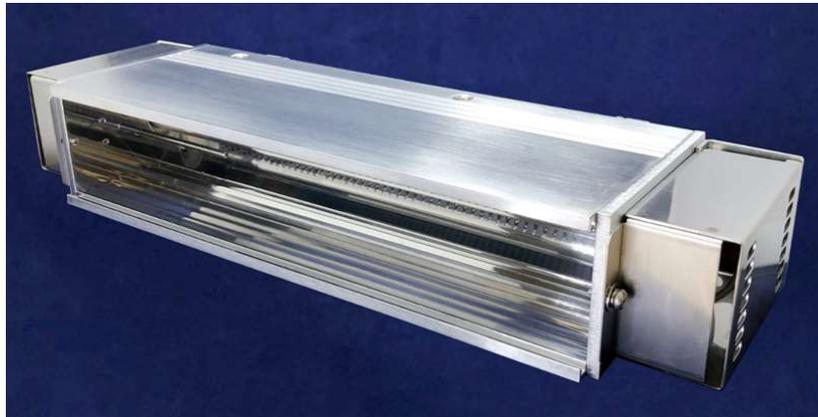


FAST HEATING

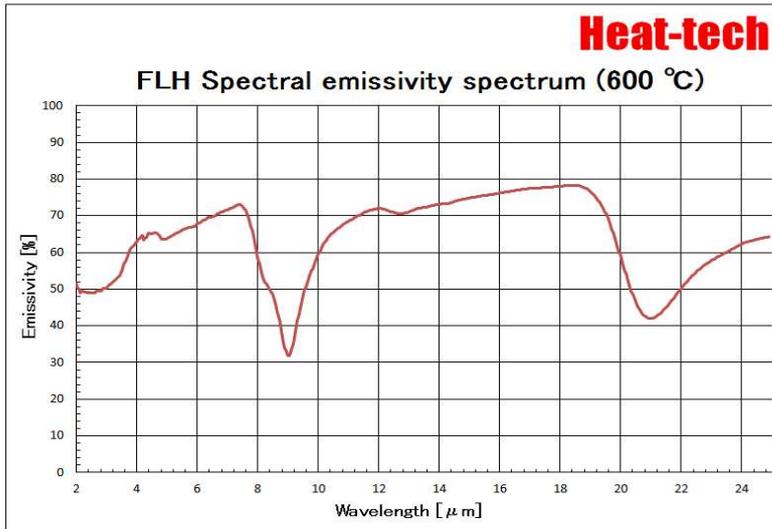
Far-infrared Line Heater

FLH-60 Series

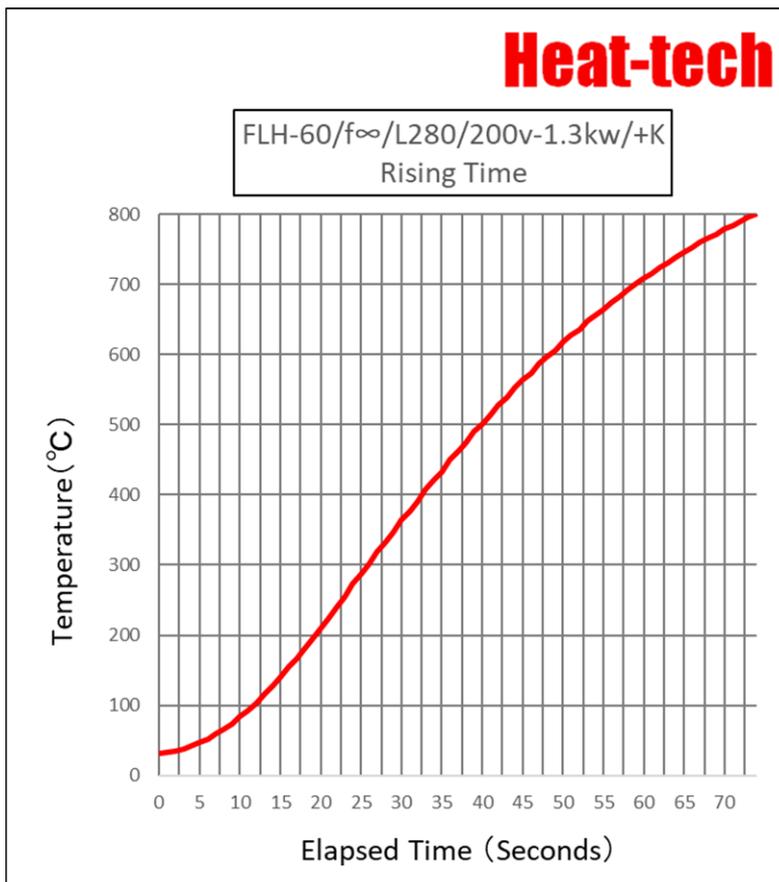


- ◆ Rising is early, so heating time can be reduced.
- ◆ Highly precise temperature control can be done.
- ◆ Frequency management of heating element can be done.
- ◆ This is a far-infrared radiation, so this is good at heating of glass.
- ◆ Ultra-compact.
- ◆ Clean.
- ◆ When this is lined up, plane heating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

Heat-tech

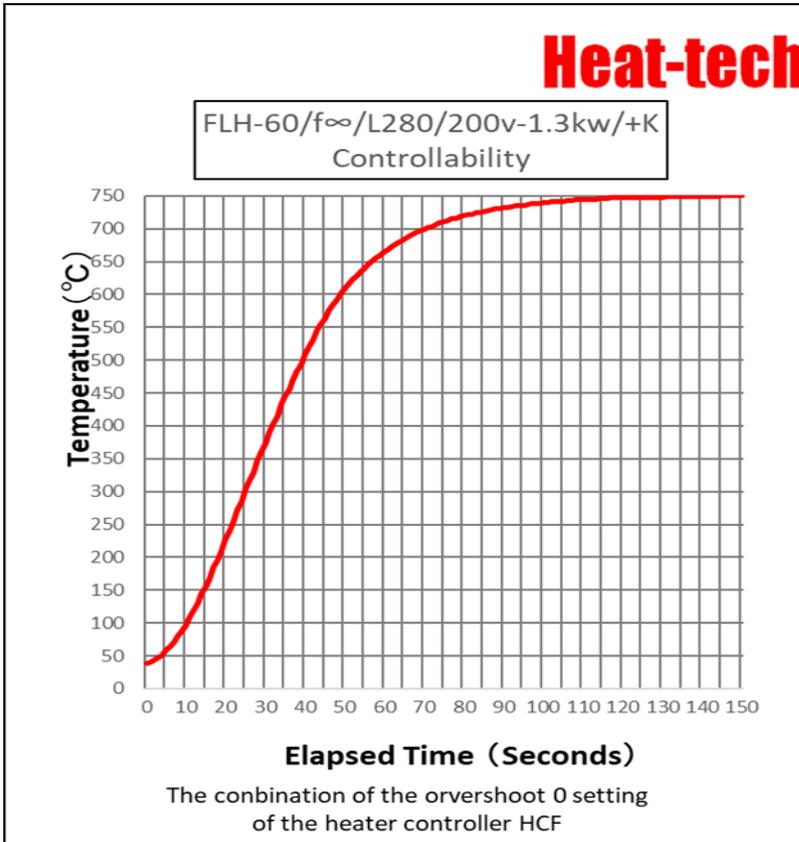


◆ **Rising is early, so heating time can be reduced.**



◆ Highly precise temperature control can be done.

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



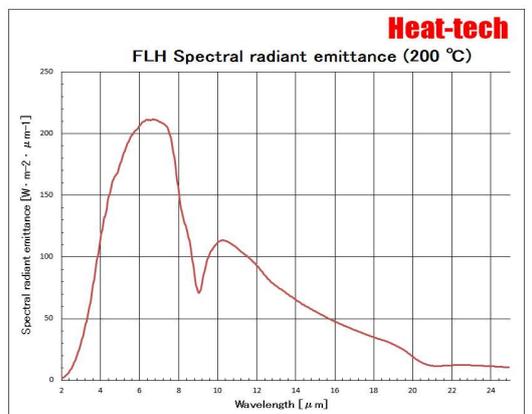
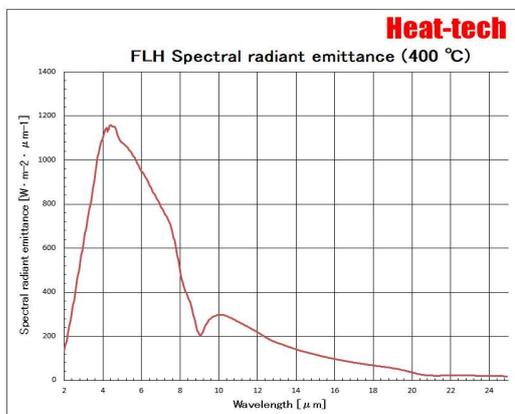
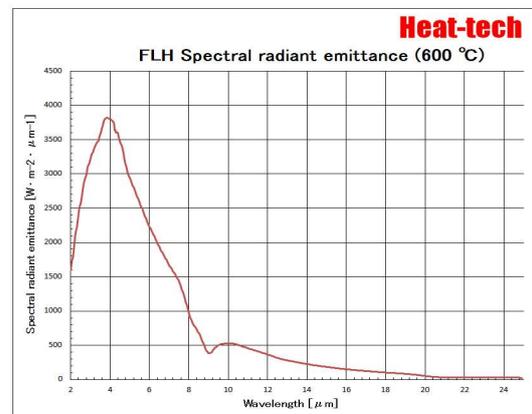
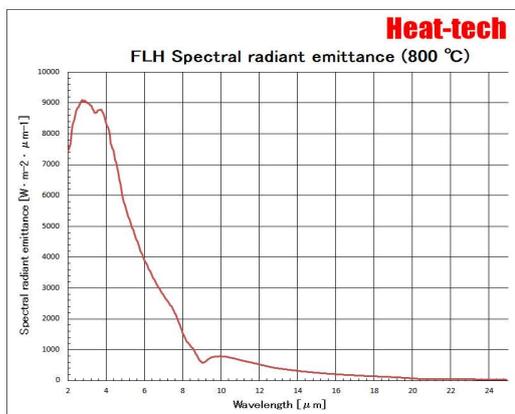
◆ Frequency management of heating element can be done.

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

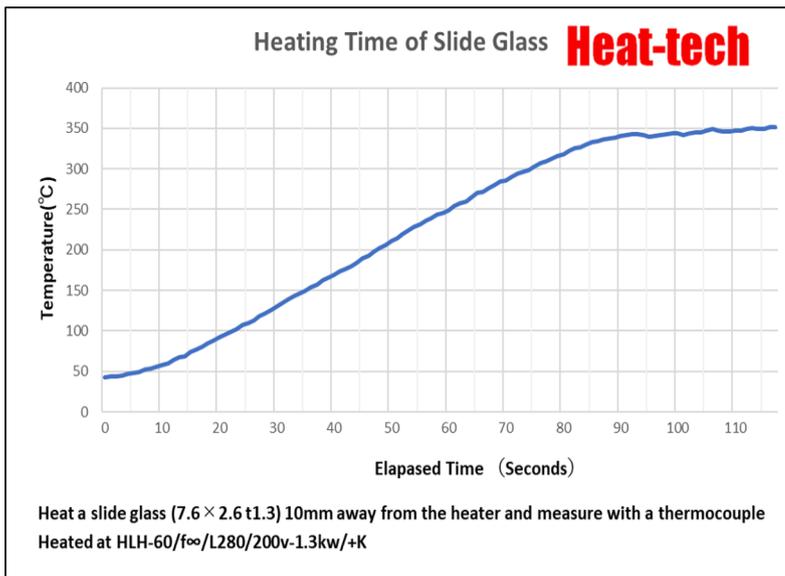
Black body radiation energy

Temp.	Peak wavelength
800°C	2.70 μ m
700°C	2.98 μ m
600°C	3.32 μ m
500°C	3.75 μ m
400°C	4.31 μ m
300°C	5.06 μ m
200°C	6.13 μ m
100°C	7.77 μ m

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



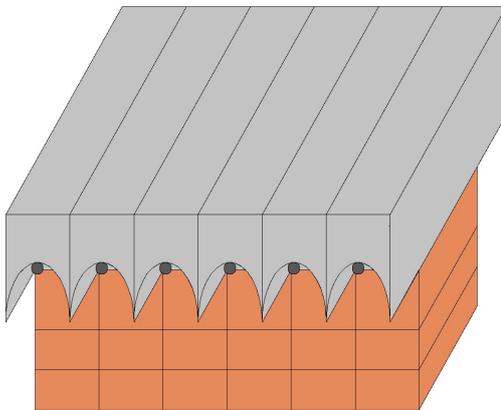
◆ This is a far-infrared radiation, so this is good at heating of glass.



◆ Clean.

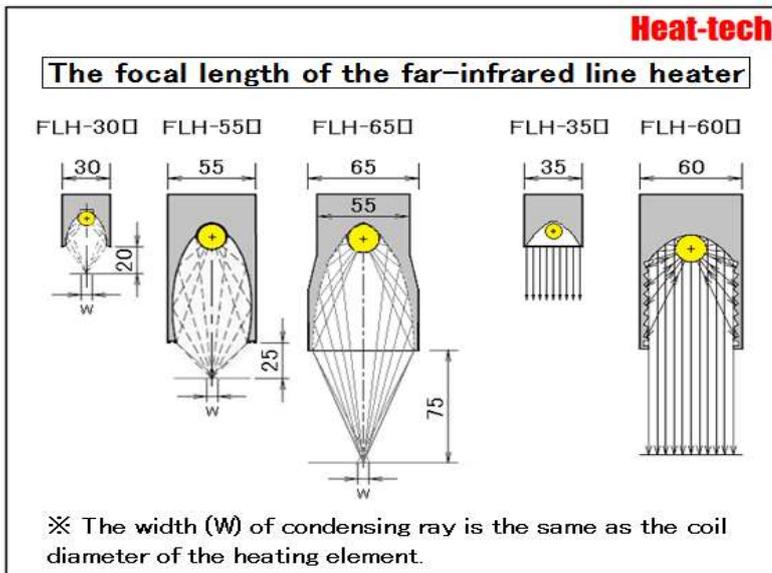
It's medium-less by non-contact heating, so it can be heated very cleanly.

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



So width 60mm, user can side-by-side use and surface heating.
User can achieve uniform far-infrared plane heating.

【 Focal length 】



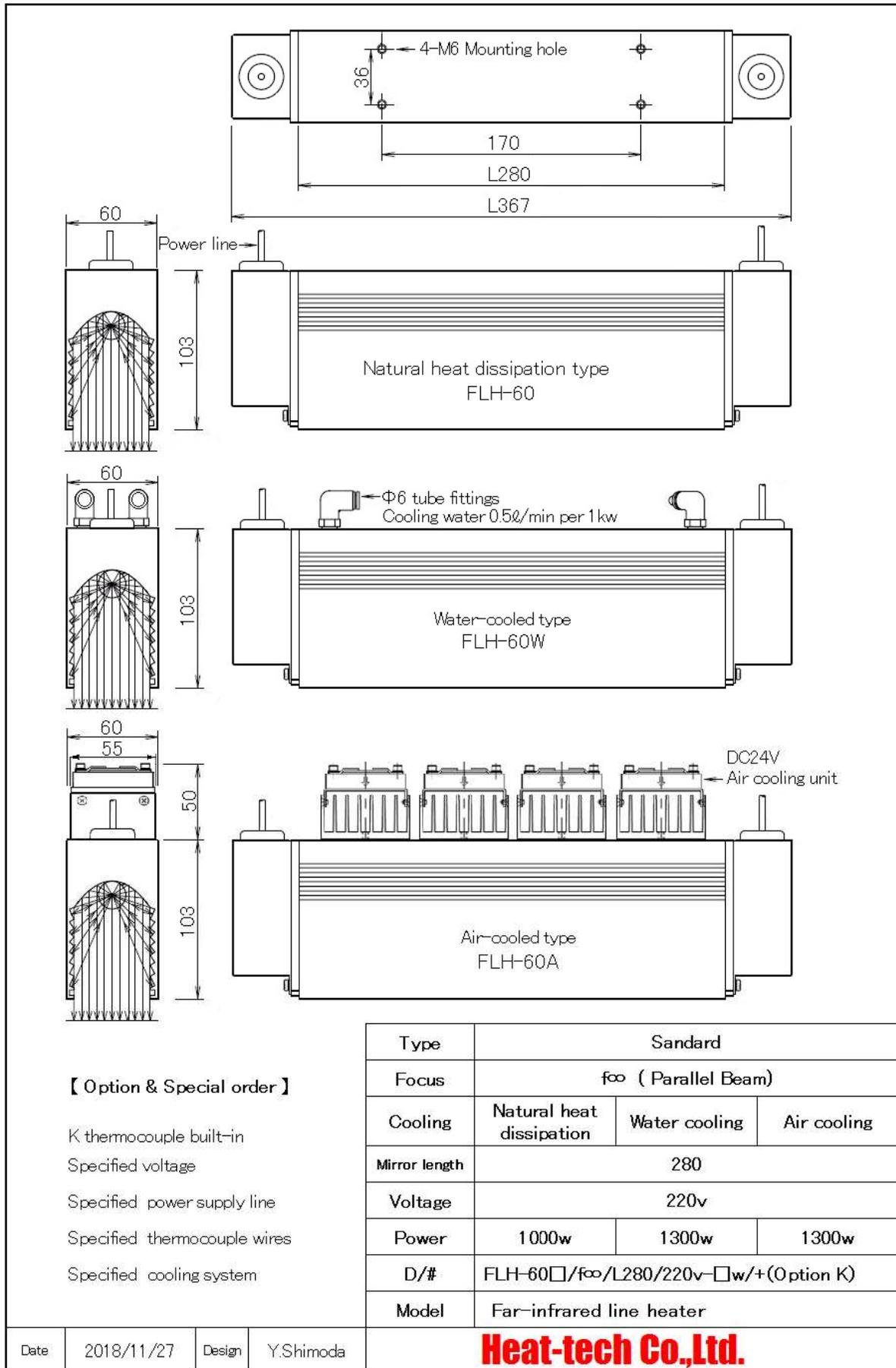
【 Models Variation 】

Model	Optical axis	Parallel beam width	Focal length	Cooling system	Power	Mirror length
FLH-60	Parallel	60mm	∞	Natural dissipation	300w~1kw	100~280mm
FLH-60A				Air cooling	350w~1.3kw	100~280mm
FLH-60W				Water-cooled	350w~1.3kw	100~280mm

【 Models constitution 】

(Example) FLH-60A/f ∞ /L280/220v-1300w/+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-	60	□	/f ∞	/L□	/□v-	□w	/+K	/P□m	K□m	Far-infrared line heater Parallel beam
		無								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
								Blank		Nothing
								Specified		Nothing
									Blank	Nothing
									Specified	T/C lead wire specified length



【 Option & Special order 】

- K thermocouple built-in
- Specified voltage
- Specified power supply line
- Specified thermocouple wires
- Specified cooling system

Type	Sandard		
Focus	$f\infty$ (Parallel Beam)		
Cooling	Natural heat dissipation	Water cooling	Air cooling
Mirror length	280		
Voltage	220v		
Power	1000w	1300w	1300w
D/#	FLH-60□/ $f\infty$ /L280/220v-□w/+(Option K)		
Model	Far-infrared line heater		

Date 2018/11/27 Design Y.Shimoda

Heat-tech Co.,Ltd.

No-touch High Temperatures Hating

Heat-tech

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