Project _____

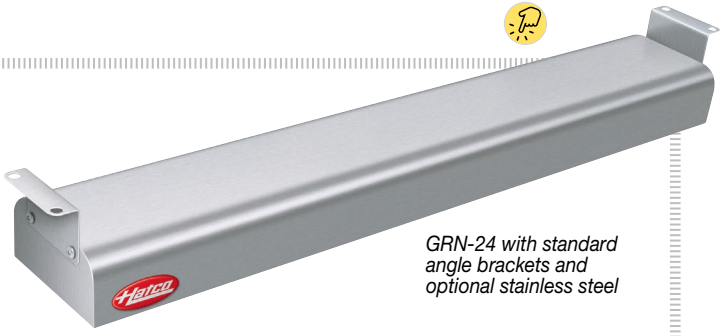
Item # _____

Quantity _____

Glo-Ray® Narrow Infrared Strip Heaters

Models: GRN-18, -24, -30, -36, -42, -48, -54, -60, -66, -72
GRNH-18, -24, -30, -36, -42, -48, -54, -60, -66, -72
GRNM-18, -24, -30, -36, -42, -48, -54, -60, -66, -72

Hatco Glo-Ray® Narrow Strip Heaters are great for use in tight spaces and keep the focus on food items being displayed. Ideal for minimal sight obstruction of food product in heated buffet areas. Even the most delicate dishes hold that "just-prepared" look.



GRN-24 with standard angle brackets and optional stainless steel

Remote Control Enclosures



RMB-3D with toggle switch



RMB-3F with toggle switch and indicator light

Standard features

- Sleek, slim design with just 2" (51 mm) height and 4" (102 mm) depth keeps the focus on the food in buffet lines
- Available in widths from 18" to 72" (457-1829 mm)
- Pre-focused heat maintains serving temperatures longer without continuing to cook the food
- Optional remote control enclosure in *Designer* colors†
- Sturdy continuous heavy duty Steel housings available in *Designer* colors: Warm Red, Black (standard), Gray Granite, White Granite, Navy Blue, Hunter Green, Antique Copper or Stainless Steel⊗▪ (GRNM models available in Stainless Steel only)
- Accessorize units with non-adjustable tubular stands in *Designer* colors† (Available in Stainless Steel only for GRNM models)
- Models come with non-adjustable 1.5" (38 mm) angle brackets available in *Designer* colors⊗▪ (Available in Stainless Steel only for GRNM models)
- Lower wattage elements also available, please consult factory for more information

Options (available at time of purchase only)

Housing in *Designer* Color – Black Standard⊗▪ (not available for GRNM models)
☐Warm Red ☐Gray Granite ☐White Granite ☐Navy Blue ☐Hunter Green ☐Antique Copper ☐Stainless Steel

Power Leads – Standard 6" (152 mm) – must specify lead length
☐1'-5' (305-1525 mm) ☐6'-10' (1829-3048 mm)
☐11'-15' (3352-4572 mm) ☐16'-20' (4877-6096 mm)

☐No Control included – requires selectoin of RMB2-xx control

Remote Box(RMB) – in *Designer* Color – clear Anodized Standard⊗▪ (GRNM requires RMB2-xx Remote Box)
☐Warm Red ☐Black ☐Gray Granite ☐White Granite ☐Navy Blue ☐Hunter Green ☐Antique Copper

☐Stainless Steel Hanger tabs in lieu of angle brackets (GRN, GRNH only)

☐Attached 6' (1829 mm) Cord and Plug Set (120V GRN and GRNH only) on models up to 72" (1829 mm) wide with Standard Chain Mount Kit (two S hooks with two 6" (152 mm) lengths of chain) and hanger tabs (max.1800 watt)

☐Two S Hooks with two 6" lengths of chain (GRN, GRNH only)

☐Adjustable Tubular Stands 10"-14" (254-356 mm)

Non-Adjustable Tubular Stands – choose clearance
☐10" (254 mm) – not availabe for GRNM models
☐12" (305 mm) – not availabe for GRNM models
☐14" (356 mm) ☐16" (406 mm)

Designer Color for Tubular Stands (clear Anodized Standard)⊗▪ ☐Warm Red ☐Black ☐Gray Granite ☐White Granite ☐Navy Blue ☐Hunter Green ☐Antique Copper

⊗ Non-standard color are non-returnable

NOTE: Install Remote Box outside Heat Zone or damage will occur.

▪ **IFS anti-microbial coatings use naturally-occurring, environmentally sustainable, silver ions to help inhibit the growth of microbes on the powder coated surface. See www.hatcocorp.com/antimicrobial-paint for more information.**

For operation, location and safety information, please refer to the Installation and Operating Manual.

ANSI/NSF 4

MADE IN THE USA

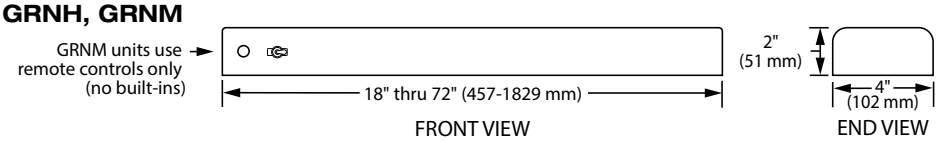
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Glo-Ray® Narrow Infrared Strip Heaters

Models: GRN-18, -24, -30, -36, -42, -48, -54, -60, -66, -72
GRNH-18, -24, -30, -36, -42, -48, -54, -60, -66, -72
GRNM-18, -24, -30, -36, -42, -48, -54, -60, -66, -72

GRN, GRNH, GRNM



SPECIFICATIONS - Glo-Ray® Narrow Infrared Strip Heaters

Phase: Single

The shaded areas contain electrical information for International models

Standard Watt				High Watt				Max Watt				All Models		
Model	Volts	Watts	Amps	Model	Volts	Watts	Amps	Model◎	Volts	Watts	Amps	Dimensions W x D x H	Optional Plug GRN, GRNH only	Approx. Ship Weight▲
GRN-18	120	250	2.1	GRNH-18	120	350	2.9	GRNM-18	120	450	3.8	18" x 4" x 2" (457 x 102 x 51 mm)	NEMA 5-15P	GRN 5 lbs. (3 kg.)
	208		1.2		208		1.7		208		2.2		–	
	240		1.0		240		1.5		240		1.9			GRNH 7 lbs. (4 kg.)
	220	250	1.1		220	350	1.6		–	–	–		–	
	240		1.0		240		1.5		–	–	–			GRNM 7 lbs. (4 kg.)
	220-230 (CE)‡	250-273	1.1-1.2		220-230 (CE)‡	350-383	1.6-1.7		–	–	–			
	230-240 (CE)‡	230-250	1.0-1.0		230-240 (CE)‡	321-350	1.4-1.5		–	–	–			
GRN-24	120	350	2.9	GRNH-24	120	500	4.2	GRNM-24	120	650	5.4	24" x 4" x 2" (610 x 102 x 51 mm)	NEMA 5-15P	GRN 6 lbs. (3 kg.)
	208		1.7		208		2.4		208		3.1		–	
	240		1.5		240		2.1		240		2.7			GRNH 6 lbs. (3 kg.)
	220	350	1.6		220	500	2.3		–	–	–		–	
	240		1.5		240		2.1		–	–	–			GRNM 8 lbs. (4 kg.)
	220-230 (CE)‡	350-383	1.6-1.7		220-230 (CE)‡	500-547	2.3-2.4		–	–	–			
	230-240 (CE)‡	321-350	1.4-1.5		230-240 (CE)‡	459-500	2.0-2.1		–	–	–			
GRN-30	120	450	3.8	GRNH-30	120	660	5.5	GRNM-30	120	825	6.9	30" x 4" x 2" (762 x 102 x 51 mm)	NEMA 5-15P	GRN 9 lbs. (5 kg.)
	208		2.2		208		3.2		208		4.0		–	
	240		1.9		240		2.8		240		3.4			GRNH 7 lbs. (4 kg.)
	220	450	2.1		220	660	3.0		–	–	–		–	
	240		1.9		240		2.8		–	–	–			GRNM 9 lbs. (5 kg.)
	220-230 (CE)‡	450-492	2.1-2.2		220-230 (CE)‡	660-721	3.0-3.1		–	–	–			
	230-240 (CE)‡	413-450	1.8-1.9		230-240 (CE)‡	606-660	2.6-2.8		–	–	–			
GRN-36	120	575	4.8	GRNH-36	120	800	6.7	GRNM-36	120	1000	8.3	36" x 4" x 2" (914 x 102 x 51 mm)	NEMA 5-15P	GRN 9 lbs. (5 kg.)
	208		2.8		208		3.8		208		4.8		–	
	240		2.4		240		3.3		240		4.2			GRNH 8 lbs. (4 kg.)
	220	575	2.6		220	800	3.6		–	–	–		–	
	240		2.4		240		3.3		–	–	–			GRNM 10 lbs. (5 kg.)
	220-230 (CE)‡	575-629	2.6-2.7		220-230 (CE)‡	800-875	3.6-3.8		–	–	–			
	230-240 (CE)‡	528-575	2.3-2.4		230-240 (CE)‡	735-800	3.2-3.3		–	–	–			
GRN-42	120	675	5.6	GRNH-42	120	950	7.9	GRNM-42	120	1175	9.8	42" x 4" x 2" (1067 x 102 x 51 mm)	NEMA 5-15P	GRN 9 lbs. (5 kg.)
	208		3.2		208		4.7		208		5.6		–	
	240		2.8		240		4.0		240		4.9			GRNH 9 lbs. (5 kg.)
	220	675	3.1		220	950	4.3		–	–	–		–	
	240		2.8		240		4.0		–	–	–			GRNM 11 lbs. (5 kg.)
	220-230 (CE)‡	675-738	3.1-3.2		220-230 (CE)‡	950-1038	4.3-4.5		–	–	–			
	230-240 (CE)‡	620-675	2.7-2.8		230-240 (CE)‡	873-950	3.8-4.0		–	–	–			
GRN-48	120	800	6.7	GRNH-48	120	1100	9.2	GRNM-48	120	1300	10.8	48" x 4" x 2" (1219 x 102 x 51 mm)	NEMA 5-15P	GRN 11 lbs. (5 kg.)
	208		3.8		208		5.3		208		6.3		–	
	240		3.3		240		4.6		240		5.4			GRNH 11 lbs. (5 kg.)
	220	800	3.6		220	1100	5.0		–	–	–		–	
	240		3.3		240		4.6		–	–	–			GRNM 13 lbs. (6 kg.)
	220-230 (CE)‡	800-874	3.6-3.8		220-230 (CE)‡	1100-1202	5.0-5.2		–	–	–			
	230-240 (CE)‡	735-800	3.2-3.3		230-240 (CE)‡	1010-1100	4.4-4.6		–	–	–			
GRN-54	120	925	7.7	GRNH-54	120	1250	10.4	GRNM-54	120⊘	1500	12.5	54" x 4" x 2" (1372 x 102 x 51 mm)	NEMA 5-15P	GRN 12 lbs. (6 kg.)
	208		4.4		208		6.0		208		7.2		–	
	240		3.9		240		5.2		240		6.3			GRNH 12 lbs. (6 kg.)
	220	925	4.2		220	1250	5.7		–	–	–		–	
	240		3.9		240		5.2		–	–	–			GRNM 13 lbs. (6 kg.)
	220-230 (CE)‡	925-1011	4.2-4.4		220-230 (CE)‡	1250-1366	5.7-5.9		–	–	–			
	230-240 (CE)‡	850-925	3.7-3.9		230-240 (CE)‡	1148-1250	5.0-5.2		–	–	–			
GRN-60	120	1050	8.8	GRNH-60	120	1400	11.7	GRNM-60	120⊘	1700	14.2	60" x 4" x 2" (1524 x 102 x 51 mm)	NEMA 5-15P	GRN 13 lbs. (6 kg.)
	208		5.0		208		6.7		208		8.2		–	
	240		4.4		240		5.8		240		7.1			GRNH 13 lbs. (6 kg.)
	220	1050	4.8		220	1400	6.4		–	–	–		–	
	240		4.4		240		5.8		–	–	–			GRNM 13 lbs. (6 kg.)
	220-230 (CE)‡	1050-1148	4.8-5.0		220-230 (CE)‡	1400-1530	6.4-6.7		–	–	–			
	230-240 (CE)‡	964-1050	4.2-4.4		230-240 (CE)‡	1286-1400	5.6-5.8		–	–	–			

◎All GRNM units must use Remote Controls (no Built-Ins), cord & plug not available.
▲Shipping weight includes packaging and does not include RMB.
‡CE approved units for 220-230V utilize a 220V heating system; 230-240V CE units utilize a 240V heating system.
⊘Units not available with Infinite Switch in 120V. RMB2-1R or RMB2-2R series remote control box required.

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Glo-Ray® Narrow Infrared Strip Heaters

Models: GRN-18, -24, -30, -36, -42, -48, -54, -60, -66, -72
GRNH-18, -24, -30, -36, -42, -48, -54, -60, -66, -72
GRNM-18, -24, -30, -36, -42, -48, -54, -60, -66, -72

SPECIFICATIONS - Glo-Ray® Narrow Infrared Strip Heaters

Phase: Single

The shaded areas contain electrical information for International models

Standard Watt				High Watt				Max Watt				All Models		
Model	Volts	Watts	Amps	Model	Volts	Watts	Amps	Model◎	Volts	Watts	Amps	Dimensions W x D x H	Optional Plug GRN, GRNH only	Approx. Ship Weight●
GRN-66	120	1160	9.7	GRNH-66	120⊘	1560	13.0	GRNM-66	120	1875	15.6	66" x 4" x 2" (1676 x 102 x 51 mm)	NEMA 5-15P♣	GRN 16 lbs. (8 kg.)
	208		5.6		208		7.5		208		9.0		–	
	240		4.8		240		6.5		240		7.8			GRNH 16 lbs. (8 kg.)
	220	1160	5.3		220	1560	7.1		–	–	–		–	
	240		4.8		240		6.5		–	–	–			GRNM 16 lbs. (8 kg.)
	220-230 (CE)‡	1160-1268	5.3-5.5		220-230 (CE)‡	1560-1705	7.1-7.4		–	–	–			
	230-240 (CE)‡	1066-1160	4.6-4.8		230-240 (CE)‡	1433-1560	6.2-6.5		–	–	–			
GRN-72	120	1275	10.6	GRNH-72	120⊘	1725	14.4	GRNM-72	120	2075	17.3	72" x 4" x 2" (1829 x 102 x 51 mm)	NEMA 5-15P♣	GRN 17 lbs. (8 kg.)
	208		6.1		208		8.3		208		10.0		–	
	240		5.3		240		7.2		240		8.6			GRNH 17 lbs. (8 kg.)
	220	1275	5.8		220	1725	7.8		–	–	–		–	
	240		5.3		240		7.2		–	–	–			GRNM 16 lbs. (8 kg.)
	220-230 (CE)‡	1275-1394	5.8-6.1		220-230 (CE)‡	1725-1886	7.8-8.2		–	–	–			
	230-240 (CE)‡	1171-1275	5.1-5.3		230-240 (CE)‡	1584-1725	6.9-7.2		–	–	–			

◎ All GRNM units must use Remote Controls (no Built-Ins), and not available with cord and plug.
● Shipping weight includes packaging and does not include RMB.
‡ CE approved units for 220-230V utilize a 220V heating system; 230-240V CE units utilize a 240V heating system.
♣ GRNH-66 and GRNH-72 require NEMA 5-20P cord for Canada.
⊘ Units not available with Infinite Switch in 120V. RMB2-1R or RMB2-2R series remote control box required.

TOGGLE SWITCH

Toggle Switch: Max. 15 amps
Location: Chef's left side standard, other options available
GRNM units use remote control enclosures only (no built-ins)

INFINITE SWITCH

Max. 12.2 amps

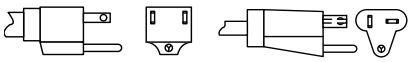
LEADS

6" (152 mm) leads (on server's right)

PLUG CONFIGURATIONS

Please refer to electrical specifications shown in charts.

NEMA 5-15P NEMA 5-20P



REMOTE CONTROL ENCLOSURES

RMB series uses one Control Box per Strip Heater - If RMB2 series is used, multiple warmers can be controlled from one box (U.S., Canada only). CE models require any remote switches be contained in a Remote Control Enclosure.

Click here to go to the Choose Remote Box Configurator (RMB Picker)
or follow this file path: www.hatcocorp.com > Resources > Choose Remote Box

Model	Volts	Width	Infinite/Toggle Switches U.S., Canada, Export U.S. Dollar
RMB-3A	120	5.5"(140 mm)	1 infinite
RMB-3B	208	5.5"(140 mm)	1 infinite
RMB-3C	240	5.5"(140 mm)	1 infinite
RMB-3D	120, 208, 240	5.5"(140 mm)	1 toggle
RMB-3F	120	5.5"(140 mm)	1 toggle, 1 indicator light
RMB-3G	208	5.5"(140 mm)	1 toggle, 1 indicator light
RMB-3H	240	5.5"(140 mm)	1 toggle, 1 indicator light
RMB-7F	120	9"(229 mm)	1 infinite, 1 indicator light
RMB-7G	208	9"(229 mm)	1 infinite, 1 indicator light
RMB-7H	240	9"(229 mm)	1 infinite, 1 indicator light
RMB2-1R	120, 208, 240	11" (280 mm)	1 toggle, 1 electronic infinite
RMB2-2R	120, 208, 240	14" (356 mm)	1 toggle, 1 electronic infinite

RECOMMENDED MOUNTING HEIGHTS

(For diagrams, refer to the Product Installation Manual on the Hatco website)

GRN, GRNH
Standard Watt: 8"-11" (203-279 mm) **High Watt:** 11"-14" (279-356 mm)

GRNM
Max Watt: 14"-18" (356-457 mm)

MINIMUM CLEARANCES

GRN, GRNH

Combustibles
Unit to surface below: 11" (279 mm)
Unit to back wall: 2" (51 mm)
Below overshelf: 1" (25 mm) clearance

Non-Combustibles

Corded Units with Built-In Switches:
Must be installed in a pass through area, not allowed with back wall installation
Unit to surface below: 7" (178 mm)
Unit to back wall: 2" (51 mm)
Below overshelf: 3" (76 mm) clearance

Hardwired Units with Built-In Switches:
Must be installed in a pass through area, not allowed with back wall installation
With Infinite Control or Indicator Light
Unit to surface below: 10" (254 mm)
Below overshelf: 1" (25 mm) clearance
With On/Off Toggle Switch
Unit to surface below: 8" (203 mm)
Below overshelf: 1" (25 mm) clearance

Hardwired Units with Remote Switches:
Unit to surface below: 8" (203 mm)
Unit to wall: 0" (0 mm)
Below overshelf: 0" (0 mm) clearance

GRNM

Combustibles
Must be installer in non-combustable surroundings only

Non-Combustibles
Unit to surface below: 12" (305 mm)
Unit to wall: 3" (76 mm)
Below overshelf: 1" (24 mm) clearance
Set back 10" (254 mm) maximum from front of an overshelf

PRODUCT SPECS - Infrared Strip Heaters

The Narrow Infrared Strip Heater shall be a Glo-Ray®, manufactured by the Hatco Corporation, Milwaukee, WI 53234 U.S.A.

The Foodwarmer shall be a Glo-Ray Model ... , rated at ... watts, ... volts, single phase and be ... inches (millimeters) in overall width.

The Glo-Ray shall consist of Stainless Steel or *Designer* painted housing and include as standard equipment non-adjustable 1.5" (38 mm) angle brackets.

The infrared heating element shall be tubular metal sheathed. The foodwarmer shall be factory assembled ready for electrical installation.

Options shall include choice of Stainless Steel or *Designer* color anti-microbial paint, extended electrical leads, remote control box, and non-adjustable tubular stands, and NEMA-15 P plug (GRN, GRNH 120V models only)

Warranty consists of 24/7 parts and service assistance (U.S. and Canada only).