

OUTDOOR COOKERS

Propane Cookers & Turkey Fryers

Most success stories start with humble beginnings. This is the case for Masterbuilt. They built their basic outdoor gas cooker nearly thirty years ago. Through the years, they have transformed the basic unit into North America's most versatile gas cooker.

The Masterbuilt Turkey Fryer is the perfect choice for frying whole turkeys in as little as 45 minutes. Made of commercial strength aluminum, these pots are specifically designed for frying whole turkeys. The tall, narrow patented design requires less cooking oil than a standard stockpot. The perforated raised poultry rack allows the cooking oil to circulate evenly when frying, preventing the bottom from scorching. The grab hook provides a way to safely insert and remove poultry from hot cooking oil. The 12" Stainless Steel Deep Fry Thermometer is perfect for maintaining a constant temperature of cooking oil when frying. Some Models are equipped with a patented Turkey Tap to allow easy draining of the cooking oil. All units are CSA approved.

NEE #	Description	Contents
MB10	Classic Fish Cooker	Black solid steel 15" LP gas cooker, stand and UL approved Type 1 regulator & hose assembly, 10" Aluminum pot & basket with drain clip and stainless steel thermometer.
MB15	Basic Cooker	Black solid steel 15" LP gas cooker, stand and UL approved Type 1 regulator & hose assembly
M30BV	Grand Slam Turkey Fryer with Turkey Tap	All welded black solid steel 15" LP gas cooker stand and burner with UL approved type 1 regulator and hose assembly, 30 qt. aluminum turkey pot and lid, stainless steel thermometer, aluminum basket with drain clip wide handle lifting hook & Turkey Tap™ drain valve. Cook a turkey up to 18 Lbs.



OUTDOOR LEISURE

Accessories

NEE #	Description
DFTH	6" Deep Fry Thermometer with Pot Clip
DF12	12" Long Stem Deep Fry Thermometer with Pot Clip
IS35	1 oz. Injecting Syringe with Stainless Steel Needle
CB135	Replacement Cast Burner, 4"
RLQ	Adjustable Regulator/Valve and 24" Hose assembly w/ QCC type 1 connection



PATIO HEATERS

Hi Intensity Infra Red Patio Heaters

The "Equator" gas fired radiant patio heater is available in Propane or Natural gas and can be wall mounted or post mounted.

The new attractive Equator hi intensity infra-red heater will increase the use and enjoyment of outdoor areas. The warm red glow of radiant heat attracts people to the outdoor area on cool days and evenings, times when the patio might otherwise be empty. The streamlined design blends in well with most any decor. Equator heaters are easily mounted on outdoor walls, under ceilings and on posts under awnings.

Equator radiant heaters, like sunshine, warm people with quiet gentle heat. Radiant heat warms people and objects (like chairs and tables) rather than the air. These heaters are simple to operate, inexpensive to use and easy to maintain.

Features:

- Direct spark igniton
- 100% safety shut off
- Natural gas or Propane fueled
- Slim profile
- Decorative safety grille
- 30/40,000 BTUs/hour
- Weatherproof powder coated galvanized steel or stainless steel construction
- Optional Hand-held remote control available
- 120/24 Volt transformer included
- Optional wall, ceiling, 4x4 wooden post or 3" round post mounting brackets



Clearance to Combustibles			
Side	Back	Top	Bottom
24"	8"	17"	48"

NEE #	Fuel	BTU Input	Description
HI-30-N	Natural Gas	30,000	Hi-Temp powder coated galvanized steel
HI-30-P	Propane	30,000	Hi-Temp powder coated galvanized steel
HI-40-N	Natural Gas	40,000	Hi-Temp powder coated galvanized steel
HI-40-P	Propane	40,000	Hi-Temp powder coated galvanized steel
HI-30NS	Natural Gas	30,000	Stainless Steel
HI-30PS	Propane	30,000	Stainless Steel
HI-40NS	Natural Gas	40,000	Stainless Steel
HI-40PS	Propane	40,000	Stainless Steel



Options

NEE #	Description
HI-RX11	Hand Held Remote and Receiver-Factory Installed for single heater installations
HI-ERXA&HI-ERXB	Hand Held Remote and Receiver-Factory Installed for single or multiple heater installations
HI-ERXA	Transmitter only Hand Held Remote
HI-ERXB	Receiver only for Hand Held Remote-Factory installed
HI-WALL	Wall / Ceiling Mounting Bracket
HI-POST	Post Mounting Bracket for 3" steel post
HI-WOOD	Post Mounting Bracket for 4x4 wooden post
HI-10FT	Aluminized steel post 10 ft x 3" diameter, 16 gauge, with gas supply access at the bottom
PH-108B	Inground post (black) for above 3" steel post
PH-401	24" flexible neoprene gas connector, 1/2" M x 1/2" F
PH-121B	Black Basemount T for 3" aluminized post

PATIO HEATERS

Solaira Outdoor Patio Heater

The new and innovative Solaira Quartz Heater heats up to 9m² which is the average size of a patio table with six chairs. It is the ideal solution to warm your favorite area on cool evenings. The Solaira will enhance your favorite outdoor activities with instant heat for your garden, patio, backyard, summer home, balcony, terrace, gazebo, garage, and even under umbrellas and awnings.

Solaira Quartz Heating has a low operating cost of approximately 11 cents per hour (based on electricity cost of 8 cents per hour). It produces instant heat with no initial warm up time. The heater is silent and odorless with no products of combustion.



Solaira

PHILIPS
HeLen Gold Series
Quartz Heat Lamp

NEE #	Description
12IFS	Solaira Heater, 1.2KW, 4100 BTU, 110 Volts
AL012	Replacement heater element for Solaira heater

Easy Radiant Patio Heaters

Feel The Warmth Of The Summer Sun..... No Matter What the Season.

Patio Plus heaters extend the season around your pool and patio. Available in propane or natural gas, these heaters are available for portable, stationary and hanging applications. Patio Plus portable models have a storage space in the base for a 20 or 30 lb. propane cylinder (not included). Operating at 50,000 BTU on a 30 lb. propane tank, they will heat for approximately 15 hours over a 20 ft diameter circle (325 sq ft). Made in Canada by Easy Radiant Works, a company with more than 35 years experience in the infra-red heating industry and are backed with a 36 month full guarantee. All Patio Plus heaters are commercial grade quality for longevity.

OUTDOOR LEISURE

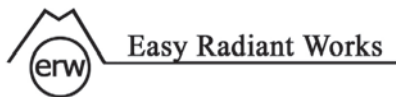


NEE #	BTU	Fuel Type	Model Type	Color
PH-45-20-P-LP-G	50,000	Specify NG or LP	20 lb LP Cylinder	Green
PH-45-30-P-LP-B			20 or 30 lb LP Cylinder	Black
PH-45-30-P-LP-SS				Stainless Steel
PH-45-FB-LP-B			Fixed Base	Black
PH-45-FB-LP-G				Green
PH-45-H-LP			Hanging	Stainless Steel
PH-50-FS-N-SS			Free Standing	

Direct Light - Electronic Ignition Models

Electronic Ignition models require an external 24 volt power supply in order to operate and are for permanent installations only.

NEE #	BTU	Fuel Type	Model Type	Colour	
PH-45-FB-D-LP-B	50,000 btu / hr	Propane	Bolt Down Base for permanent Installation to a deck or concrete Pad and connection to a Natural Gas or Propane Supply	Black	
PH-45-FB-D-LP-G				Green	
PH-45-FB-D-LP-S				Stainless Steel	
PH-50-FB-D-N-B				Natural Gas	Black
PH-50-FB-D-N-G					Green
PH-50-FB-D-N-S					Stainless Steel
PH-45-IG-D-LP-B		Propane	Permanent In-ground post mount for connection to a Natural Gas or Propane Supply		Black
PH-45-IG-D-LP-G				Green	
PH-45-IG-D-LP-S				Stainless Steel	
PH-50-IG-D-N-B				Natural Gas	Black
PH-50-IG-D-N-G					Green
PH-50-IG-D-N-S					Stainless Steel
PH-45-H-D-LP		Propane	Hanging Model for suspended installations Under a Supporting Structure		No Stand
PH-45-H-D-N		Natural Gas			



POOL & SPA HEATERS

Hayward Pool and Spa Heaters

All Hayward "H" Series Pool Heaters come with 1 Year Parts, 5 Year Fire-Tile and 10 Year Polymer-Header Warranty Coverage.



Induced Draft - H100ID1

The H100 heater was developed specifically for Above Ground Pools and Spas of all types and sizes. Revolutionary induced draft technology ensures optimum heating and all-weather performance, even in high wind areas without the need for a Draft Hood. The jet-ported Eugenox burners, one piece copper header / heat exchanger, cool to the touch cabinet surface, plug-in 110 Volt electric all contribute to easy installation and maintenance, and ensure a long life and worry free use.



NEE #	BTU	Fuel Type	Dimensions (W x D x H)	Weight
H100ID1	100,000	Specify NG or LP	12½" x 22½" x 24"	72 lbs.

Induced Draft

Featuring: Hot Surface Ignition, Induced Draft Blower, 84% Thermal Efficiency, Pre-Mix Burner System, Finn Plate Heat Exchanger, Thermal Control Valve, 1" Fire Tile Combustion Chamber, and Dual Thermostat.



NEE #	BTU	Fuel Type	Dimensions (W x D x H)	Weight
H250IDL2	250,000	Specify NG or LP	27" x 27½" x 28½"	207 lbs.
H400IDL2	400,000	Specify NG or LP	35¼" x 27½" x 28½"	265 lbs.

Electronic Ignition



Featuring: Direct Spark Ignition, High Wind Stacks, 80-82 % Thermal Efficiency, Eugenox Burner System, Finn Plate Heat Exchanger, Thermal Control Valve, 1" Fire Tile Combustion Chamber, and Dual Thermostat.

NEE #	BTU	Fuel Type	Dimensions (W x D x H)	Weight
H200PED2	200,000	Specify NG or LP	24½" x 27½" x 28½"	180 lbs.
H250PED2	250,000	Specify NG or LP	27" x 27½" x 28½"	198 lbs.
H300PED2	300,000	Specify NG or LP	29¾" x 27½" x 28½"	211 lbs.
H400PED2	400,000	Specify NG or LP	35¼" x 27½" x 28½"	225 lbs.

Millivolt Ignition

Featuring: Standing Pilot Ignition, High Wind Stacks, 80-82 % Thermal Efficiency, Eugenox Burner System, Finn Plate Heat Exchanger, Thermal Control Valve, 1" Fire Tile Combustion Chamber, and Single Thermostat.

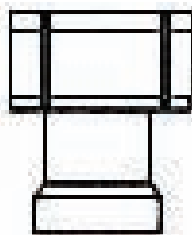


NEE #	BTU	Fuel Type	Dimensions (W x D x H)	Weight
H150P1	150,000	Specify NG or LP	21¼" x 27½" x 28½"	131 lbs.
H200P1	200,000	Specify NG or LP	24½" x 27½" x 28½"	141 lbs.
H250P1	250,000	Specify NG or LP	27" x 27½" x 28½"	144 lbs.
H300P1	300,000	Specify NG or LP	29¾" x 27½" x 28½"	157 lbs.
H350P1	350,000	Specify NG or LP	32½" x 27½" x 28½"	185 lbs.
H400P1	400,000	Specify NG or LP	35¼" x 27½" x 28½"	200 lbs.

OUTDOOR LEISURE

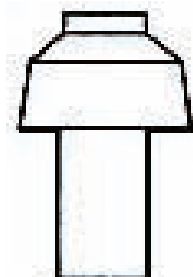
High Wind Stack Outdoor Draft Hoods

NEE #	Description
HWS150	Purchase with H150
HWS200	Purchase with H200
HWS250	Purchase with H250
HWS300	Purchase with H300
HWS350	Purchase with H350
HWS400	Purchase with H400



Indoor Draft Hoods

NEE #	Description
DHI150	Purchase with H 150
DHI200	Purchase with H 200
DHI250	Purchase with H 250
DHI300	Purchase with H 300
DHI350	Purchase with H 350
DHI400	Purchase with H 400



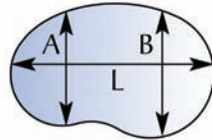
POOL & SPA HEATERS

Parts and Accessories

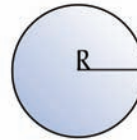
NEE #	Description
CHXGEN1930	Pilot Generator
CHXPBR1932	Pilot with Orifice, Propane
CHXPRS1931	Pressure Switch
CHXPSA1930	Pressure Switch Adapter
CHXPTB1930	Pilot Tube with Fittings
CHXRLV1930	Relief Valve
CHXTLS1930	Temp Limiter Switch
CHXTST1930	Thermostat without Knob
CHXTSW1930	On/Off Switch
CZXPRS1105	Water Pressure Switch
CZXPTB0903	Pilot Tube
HAXBPI1930	By-Pass Insert
HAXFCT1930	Flow Control Thermostat
HAXFHD1930	Front Header Only
HAXFOR1930	Header O-Ring
HAXGSV0001	Gas Valve NG 150-400
HAXGSV0003	Gas Valve LP 150-400
HAXHXA1203	Heat Exchange Assembly - H200
HAXHXA1253	Heat Exchanger Assembly H250
HAXIGN1931	Ignitor/Bracket Assembly
HAXNNO1930	Flange Pipe Nipple Kit
HAXPLT1931	Pilot NG MV
HAXPLT1932	Pilot LP MV
HAXPSA1930	Pressure Switch Assembly with Connector
HAXRHD1930	Rear Header Only
HAXTLK1930	Temperature Limit Kit
HAXTST1930	Thermostat with Knob
HAXWHA0001	MilliVolt Wiring Harness
HAXWHA0002	MilliVolt Wiring Harness
HMXHLI2931	Immersion Hi-Limit Front
IDXBLS1930	Blower Switch
IDXBNR1930	Burner/Specify LP Or NG
IDXBRG1930	Burner Gasket
IDXHXA1100	Heat Exchanger Assembly
IDXIGN1930	Ignitor For H1001DP1
IDXMOD1930	Ignition Module
IDXTST1930	Thermostat
IDXVAL1930	Gas Valve

Selecting the Correct Size H-Series Heater For Your Swimming Pool

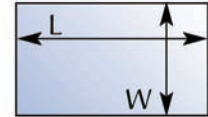
Determine your pool's surface area in square feet:



Area - $(A+B) \times L \times .45$



Area - $R \times R \times 3.14$



Area - $L \times W$



Locate in the table below, the surface area equal to or just greater than the pool's surface area, read to the left and select the appropriate H-Series model.

For indoor pool installations, divide the pool's surface area by 3.

Recommended H - Series Model

Model	Surface Area
H400	1200
H350	1050
H300	900
H250	750
H200	600
H150	450

Table is based on a 30°F temperature rise, 3 1/2 MPH average wind velocity and elevation of up to 2,000 feet above sea level.

Basic Installations:

100 lb Propane Cylinder
Capacity: 23 1/2 gallons of propane
Approx. Running Time*: 15 hours
Advantage: Convenience
This size cylinder is delivered to your home and the empty tank is removed.

* Must have minimum of 7 gallons of liquid propane in tank to run the heater at 60°F.

That is why the running time is 15 hours and not 21 hours (Capacity of tank - 7 gallons/1.1 = Approx. running time).

Deluxe Installations:

420 Lbs Tank (4x More capacity than the 100 lbs tank)

Capacity: 80 gallons of propane
Approx. Running Time: 103 hours
Advantage: Peace of mind should last the entire season.

There are additional size tanks available. Consult NEE for information.

Above Ground Pools - Temperature Rise in 8 Hours

Pool Size	Gallons	Avg. Temp Rise (°F)
15' Round	5,300	15.2°
18' Round	7,600	10.4°
12' x 24' Rectangle	8,600	9.6°
21' Round	10,000	8.0°
24' Round	13,500	5.6°
27' Round	17,000	4.8°

The new H Series heater is also ideal for spa applications. See our chart below for approximate temperature rise information **over a 1 hour period.**

Spas - Temperature Rise in 1 Hour

Spa Size	Avg. Temp Rise (°F)
350 Gallon	28°
400 Gallon	25°
500 Gallon	20°
700 Gallon	14°
1,000 Gallon	10°

MOSQUITO MAGNET



MOSQUITO MAGNET



Traps

Mosquitoes and other biting insects such as no-see-ums, black flies, and midges are attracted to carbon dioxide (CO₂), heat and moisture that humans emit. The Mosquito Magnet creates a barrier between mosquito breeding areas and your backyard.

The Mosquito Magnet's patented catalytic conversion process turns propane gas into CO₂. CounterFlow™ technology is another patented process that mixes the CO₂ with heat, moisture and Mosquito Magnet's own specially formulated attractant to enhance the catch rate. As mosquitoes pick up the scent of the CO₂, they follow it to the trap. Once they get close to the Mosquito Magnet, they get vacuumed into the net. The biting insects dehydrate and die within 24 hours.

Carbon dioxide has been scientifically proven to be one of the compounds that mosquitoes and other bloodseeking insects use to navigate to people. The Mosquito Magnet mimics a large mammal by catalytically manufacturing its own carbon dioxide from propane. The Mosquito Magnet begins catching immediately and noticeable results are seen within 7-10 days. Allow up to 4 weeks to interrupt the breeding cycle and greatly diminish your area's mosquito population. Since mosquitoes do not migrate, this will allow peace of mind for the season. Target species are mosquitoes, black flies, sand flies or no-see-ums.

The operating temperature is 35°F to 125°F (2°C to 50°C), 0-100% RH (relative humidity). The units require maintenances on a 3 week cycle, including a refill of the propane tank, replacement of attractant and net.

NEE #	Model Name	Description	Coverage	Fuel Type	Warranty
MMDEFENDER	Defender	For use in small backyard or patio areas. Minimal assembly required, no tools required. Comes with 50" power cord,	1/2 Acre	Propane and Requires Electricity	1 Year
MMLIBERTY	Liberty	For use in large yards, decks and in-ground pool areas. Some assembly required. Comes with 50" power cord.	1 Acre	Propane and Requires Electricity	1 Year
MMLIBERTYPLUS	Liberty Plus	For use in large yards with no electrical service. Minimal assembly, no tools required.	1 Acre	Propane, Cordless	1 Year

MOSQUITO MAGNET

Mosquito Magnet Accessories

MAINTENANCE

Regular Maintenance of your Mosquito Magnet biting insect trap is vital for trap performance and durability. The following standard maintenance steps should be performed on your Mosquito Magnet.



REFILL PROPANE EVERY 21 DAYS



REPLACE ATTRACTANT EVERY 21 DAYS



REPLACEMENT NET



USE QUICK CLEAR EVERY TANK CHANGE *



USE RESET TOOL EVERY TANK CHANGE

* The Quick Clear system and Reset Tool are preventative maintenance tools found only with the Mosquito Magnet. Designed to keep the trap running properly, the Quick Clear system is used to prevent propane contaminants from building up inside the unit while the Patented Reset Tool ensures proper fuel flow on newly filled cylinders.

Maintenance Parts & Accessories

Accessories are for all models unless otherwise indicated.



NEE #	Description
120-001	Power Supply Assembly for Defender and Liberty models
214-002	Regulator Reset Tool
214-003	CO2 Cartridge, 3 Pack
235-008	"Clear-out" adapter
297-001	Regulator and Hose Assembly Commercial PRO model only
490-026	Octenol Holder
565-021	Replacement Re-chargeable Battery for Pro, ProPlus, LibertyPlus
690-210	CO2 Plume assembly, Liberty Model
MMDEFENDERNET	Defender Nets, 1 pack
MMLIBERTYNET1	Liberty Nets, 3 pack
MMLIBERTYPLUSNET	Liberty Plus Nets, 1 pack
MMPRONET	Commercial Pro Nets, 6 pack
MMPROPLUSNET	ProPlus and 2004 Pro Model Nets, 1 pack
MMRESNET	Residential (Freedom) Nets, 6 pack
OCT-3	Octenol Cartridge, 3 Pack
MM-01	Cover, Pro Model
MM-03	Cover, Liberty Model
MM-04	Cover, Defender Model
PTC-01	Cover, 20 Lb Propane Tank