



#### PAYMENT:

Standard terms are 50% of the sales order is due upon receipt of the goods. Net 30 days on the remaining balance. A second invoice will be sent out detailing this. A service charge of 1.5 % per month may be assessed on invoices over 30 days.

#### SHIPPING:

Freight will be pre-paid by MTM Hydro for all purchase orders of two machines or more. In the case of shipping one machine, MTM Hydro will pre-pay and add to the total of the invoice.

#### PRICING:

MTM HYDRO, Inc. reserves the right to change discounts and/or prices without notice. Trade discounts are based upon unit and dollar volume and are inclusive of warranty allowance. A surcharge may be added to individual orders in response to foreign currency exchange rate fluctuations.

- Price list effective April 1st, 2015
- Subject to change without notice
- All prices F.O.B. Eden Prairie, Minnesota
- The price in effect at time of shipment will apply.
- Pricing discrepancies must be filed within 30 days of invoice

#### **RETURNS**:

- Return for credit must be requested within 30 days of shipment & pre-approved by MTM Hydro Inc.

- All returns must be sent freight paid.
- A return authorization number and invoice copy must accompany all returns.
- Please note that a 20% restocking charge will be assessed.

#### SHIPPING DISCREPANCIES:

Discrepancies must be submitted within 48 hours of receipt of goods.

Possession of this Catalog or any other MTM Hydro, Inc. material should not be construed as an offer to sell.

#### STATEMENT OF WARRANTY

### LIMITED WARRANTY ON MTM HEAT PRODUCTS

MTM Hydro, Inc. warrants that its products will be free from defects in material and workmanship under normal use for the period of one (1) year. Proof of Purchase must be provided at the time warranty service is requested. Therefore, you should keep your sales slip or invoice from the original purchase.

#### Exclusions:

This warranty does not cover freight damage, freezing damage, normal wear and tear from ordinary use, or damage caused by misapplication, fault, negligence, alterations, improper installation or improper maintenance and service by you or any third party that affects the performance or reliability of the product. Failure to perform normal and routine maintenance on the heater, damage related to insects, birds, or animals of any kind and damage due to weather conditions will not be not covered. This warranty does not include wear items, such as, filters, vanes, nozzles and rotors.

In addition, the Limited Warranty does not cover damage to the finish, such as, scratches, dents, discoloration, rust or other weather damage after purchase.

"Normal use" does not include use in excess of recommended maximum speeds, flows, pressures, vacuums and temperatures, or use requiring handling of fluids not compatible with components and materials noted in MTM Hydro products catalog, technical literature, and instructions.

All Transportation costs for the return of the damaged equipment or components will be the responsibility of the purchaser. If defective MTM Hydro, Inc. will repair or replace the defective part or equipment and return the item freight pre-paid. If the item is not defective or operating normally, the item will be returned freight collect.

This limited warranty is the exclusive warranty MTM Hydro Inc. makes no other warranty, express or implied, included but not limited to any warranty of merchantability or fitness for a particular purpose.

MTM Hydro's obligations under this warranty is, at MTM Hydro's option during the limited warranty period, to either repair the defective part or equipment or replace with a new part or equipment upon return of the entire product to the MTM Hydro, Inc. This is the exclusive remedy for any breach of warranty. In no event shall MTM Hydro Inc. be liable for any special, indirect, incidental, punitive or consequential damages of any kind, whether for breach of any warranty, for negligence on the basis of strict liability, or otherwise.

Some states do not allow the exclusion or limitation on how long a warranty lasts, so the above exclusion and limitations may not apply to you. Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you. This warranty gives you specific legal rights, and you may also have other rights which vary from state to state

For Service or Warranty, contact Customer Service MTM Hydro, Inc., 7430 Washington Ave. So., Eden Prairie, MN 55344 866.686.4020 / 952.746.4825 / Fax 866.686.4021 Monday - Friday 8:00 a.m. - 5:00 p.m. CST





## **FLAME 115 HEATER**







		FLAME 115
Part Number		48.7019
Max Power	BTU\H	115,160
Fuel Consumption	US GAL\H	0.85
Power Supply	V, PH, HZ	120,1,60
Fan Motor Power	HP (RPM)	1/4 (3,300)
Current Rating	AMPS	2.15
Tank Capacity	US GAL	11.35
Run Time	HOUR	13.4
Pallet	QTY	1
Container 20'	QTY	84
Container 40' and 40' HC	QTY	180

- Approved for construction
- Approved for agriculture
- CSA approved
- 115,000 BTU's
- Low noise level
- Built-in oil burner with Suntec gear pump
- Electronic flame control unit with metal casing
- Only 92 lbs.
- Screw-on fuel cap
- AISI 309 L stainless steel cone
- Shockproof polythene fuel tank
  Automatic post-ventilation cycle to cool down the combustion chamber
  Fuel tank drain plug
- Possibility of directing the cone up and down with locking mechanism
- Fuel lines in hydrocarbon-resistant rubber wire-mesh protected
- Extendable sliding floor shield
- Poly fuel tank for durability
- Made in Italy
   Remote thermostat plug
- Patented cone design
  8" reinforced plastic wheels





### FIRE 155 HEATER





Fire155

Infrared diesel heater (direct-fired) with embedded burner with dedicated fan for combustion air. The Fire155 models are characterized by the absence of moving air, the flame generated by the burner heats the front plate that reaches high temperature. This helps to burn and stop all combustion residues, guaranteeing a clean combustion and 100% efficiency. They are used for heating very large spaces (warehouses, industrial sheds, yards, open spaces, ect.) or where suspended dust particles must be avoided.

- Approved for construction
- Direct heat flow by radiation with no air movement
- Low noise level
- Built-in oil burner with Danfoss gear pump
- Electronic flame control unit with metal casing
   No supervision required: can be controlled by thermostat, humidistat or timer
- 1ft power cord
- AISI 430 stainless steel combustion chamber
- · Metallic forced air insulation pocket between the combustion chamber and the external protection cone
- · Automatic post-ventilation cycle to cool down the combustion chamber
- · Fuel lines in hydrocarbon-resistant rubber wire-mesh protected
- Shockproof polythene fuel tank
- Screw-on fuel cap
- Fuel tank drain plug
- Possibility of directing the cone up and down with locking mechanism
- Single point lift bail
- Oil filter included (optional pre-heated oil filter)
- · Combustion air pressure switch (safety device turns off unit and requires manual reset)
- 12" reinforced plastic wheels
- Floor protection sliding shield
- Single Fuel Line Kit: This accessory allows the unit to recirculate hot oil from the return line back into the filter. The hot oil in the filter eases restarts and increases the performance of the unit in extreme cold temperature

The innovation of the FIRE 155 infrared heater lies in the elimination of the refractory material cone that surrounds the conical combustion chamber that's typical of other competitor's units. Our heater features a metalic forced air insulation pocket between the combustion chamber and the external protection cone. The cooling air is blown through the pocket by the burner fan. This innovative technology over comes the well known problem of the fragility and brittleness of the ceramic cone.

Moreover, there is a relevant improvement in the cooling of the cone.

		FIRE 155
Part Number		48.7001
Max Power 2nd Stage	BTU\H	154,237
Max Power 1st Stage	BTU\H	
Fuel Consumption 2nd Stage - 1st Stage	US GAL\H	1.11
Power Supply	V, PH, HZ	120, 1, 60
Fan Motor Power	HP (RPM)	1/4 (3,300)
Current Rating	AMPS	4.1
Tank Capacity	US GAL	17.2
Run Time 2nd Stage - 1st Stage	HOUR	16
Pallet	QTY	1
Container 20'	QTY	26
Container 40' and 40' HC	QTY	56



### **BLAZE HEATER**



Blaze

Diesel indirect-fired portable heaters with embedded burner with combustion air obtained from the main ventilation fan. The Blaze heaters feature a heat exchanger that contains the flame and expels fumes throughout a chimney connected to the outside. Being indired-fired, they can be operated indoor and can also be ducted. On the other hand, they have higher upfront costs and about 90% efficiency due to the heat lost through the chimney.

- $\cdot$  Approved for construction
- No supervision required can be controlled by thermostat, humidistat or timer
   1ft power cord
- AISI 430 stainless steel combustion chamber with four-pass heat exchanger technology (BLAZE200-BLAZE300)
- Automatic post ventilation cycle to cool down the combustion chamber
- Electronic flame control unit
- · Overheating thermostat (safety device turns off unit and requires a manual reset)
- Fuel lines in hydrocarbon-resistent rubber wire-mesh protected
- Screw on fuel tank cap
- Fuel tank drain plug
- Electric control panel
- Oil filter; pre-heated oil filter (BLAZE200-BLAZE300)
- Combustion air pressure switch (safety device turns off unit and requires a manual reset)
- 10" pneumatic wheels
- Single Fuel Line Kit: This accessory allows the unit to recirculate hot oil from the return line back into the filter. The hot oil in the filter eases restarts and increases the performance of the unit in extreme cold temperature

#### FOUR PASS HEAT EXCHANGER TECHNOLOGY

Combustion chambers are manufactured using AISI 430 stainless steel with aluminized steel heat exchanger to increase performance. The new fourpass heat exchanger technology allows exhaust gases to increase heat exchange with the cooling air and obtain maximum thermal efficiency. Our heaters are the most efficient in the industry. Available in BLAZE200, BLAZE300 and all PHOEN heaters.

		BLAZE100	BLAZE200	BLAZE300
Part Number		48.7002	48.7003	48.7004
Heat Input	BTU/H	112,141	204,873	293,982
Heat Output	BTU/H	94,759	183,362	258,704
Fuel Consumption	US GAL/H	0.81	1.48	2.17
Heated Airflow	CFM	1,020	1,530	2,530
Temperature Rise (@64°F)	۴F	95	136	126
Power Supply	V, PH, HZ	120,1, 60	120, 1, 60	120, 1, 60
Fan Motor Power	HP (RPM)	1/4 (3,300)	5/8 (3,300)	1 (1,700)
Current Rating	AMPS	4.05	7.65	11.80
Max Length Flex. Duct (1-Way)	FT	25	50	75
Max Length Flex. Duct (2-Way)	FT		25	35
Flue Size	IN	6	6	6
Tank Capacity	US GAL	11	17.2	27.7
Run Time	HOUR	14	14	13
Pallet	QTY	6	1	1
Container 20'	QTY	54	38	24
Container 40'	QTY	132	82	52
Container 40' HC	QTY	132	82	52





## **BLAST HEATER**

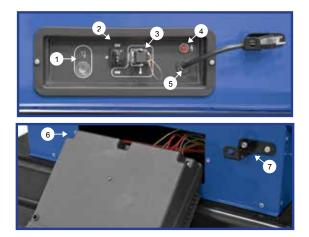


Blast

Diesel direct-fired portable heaters with embedded burner with combustion air obtained from the main air fan. The Blast heaters generate hot air and the combustion residues produced by the burner are expelled with the hot air and contribute to its heating. They transform all of the nominal input power (from the fue) into heat, 100% efficiency. They are the most economical models available in terms for upfront cost and consumption. On the other hand, they can be used only in well ventilated rooms and where indirect-fired heaters are not required by law.

- Approved for construction
- Built-in oil burner with Danfoss gear pump
- Electronic flame control unit
- Combustion air pressure switch (safety device turns off unit and requires a manual reset)
- No supervision required; can be controlled by thermostat, humidistat or timer
- 1ft power cord
- AISI 430 stainless steel combustion chamber
- Automatic post ventilation cycle to cool down the combustion chamber
- Fuel lines in hydrocarbon-resistant rubber wire-mesh protected
- Screw on fuel tank cap
- Fuel tank drain plug
- 10" pneumatic wheels
- Single Fuel Line Kit: This accessory allows the unit to recirculate hot oil from the return line back into the filter. The hot oil in the filter eases restarts and increases the performance of the unit in extreme cold temperature

		BLAST250	BLAST360	BLAST400	BLAST600
Part Number		48.7005	48.7006	48.7022	48.7007
Max Power	BTU/H	238,947	361,439	361,439	599,524
Fuel Consumption	US GAL/H	1.72	2.6	2.6	4.32
Heated Airflow	CFM	1,460	1,795	1,795	2,800
Power Supply	V, PH, HZ	120,1, 60	120, 1, 60	120,1,60	120,1,60
Fan Motor Power	HP (RPM)	5/8 (3,300)	5/8 (3,300)	1 (1,700)	1 (1,700)
Current Rating	AMPS	5.1	6	7.5	11.1
Tank Capacity	US GAL	17.2	27.7	27.7	35.6
Run Time	HOUR	10	11	10	8
Pallet	QTY	1	1	1	1
Container 20'	QTY	38	28	24	24
Container 40'	QTY	82	58	52	52
Container 40' HC	QTY	82	58	52	52



#### DUST AND WATER PROOF ELECTRIC PANEL

1 Reset button with lock out (red), working (green) and stand-by (orange) indicator light

2 Three-way control switch

- position 0 for stop
- position 1 for "continuous" burning
- position 2 for ON with remote thermostat, humidostat, timer
- 3 Socket for remote thermostat, humidostat, timer
- 4 Voltage warning light (connected to the mains)
- 5 Power cord
- 6 Plastic cover
- 7 Power cord bracket



### **BLAST/N HEATER**







#### Blast/N

Gas (propane or natural gas) direct-fired portable heaters with embedded burner with a combustion air obtained from the main ventilation fan. The Blast/N heaters generate hot air and the combustion residues produced by the burner are expelled with the hot air and contribute to its heating. They transform all of nominal input power (from the fuel) into heat, 100% efficiency. They are the most economical models available in terms of upfront cost and consumption. On the other hand, they can be used only in well-ventilated rooms and where indrect-fired heaters are not required by law.

Approved for construction

- Built-in oil burner with Danfoss gear pump
- Electronic flame control unit
- Combustion air pressure switch (safety device turns off unit and requires a manual reset)
- · No supervision required; can be controlled by thermostat, humidistat or timer
- 1ft power cord
- AISI 430 stainless steel combustion chamber
- · Automatic post ventilation cycle to cool down the combustion chamber
- Fuel lines in hydrocarbon-resistant rubber wire-mesh protected
- Bayonet-type fuel tank cap
- Fuel tank drain plug
  10" pneumatic wheels
- $\cdot\,$  Single Fuel Line Kit: This accessory allows the unit to recirculate hot oil from the return line back into the filter. The hot oil in the filter eases restarts and increases the performance of the unit in extreme cold temperature

		BLAST/N250	BLAST/N400
Part Number		48.7023	48.7008
Max Power NG/LP	BTU/H	254,683	402,767
Feul Consumption NG	CFH	242	381
Fuel Consumption LP	CFH	89	145
Heated Airflow	CFM	2,766	4,120
Temperature Rise (@64 F)	F	86	103
Max Length Flex. Duct	Ft	50	50
Max Air Static Press. Avail.	PA	150	140
Power Supply	V, PH, HZ	120,1,60	120,1,60
Fan Motor Power	HP (RPM)	5/8 (3,300)	1 (1,700)
Current Rating	AMPS	5	8.5
Pallet	QTY	1	1
Container 20'	QTY	60	26
Container 40'	QTY	129	54
Container 40' HC	QTY	129	81







### FIRESTORM HEATER



Firestorm

Heavy duty diesel indirect-fired portable heaters with embedded burner with dedicated fan for combustion air. The Firestorm heaters feature a heat exchanger that contains the flame and expells fumes throughout a chimney connected to the outside. Being indriect-fired, they can be operated indoors and can also be ducted. On the other hand, they have higher upfront costs and about 90% efficiency due to the heat lost through the chimney.

- Approved for construction
- Separated burner blower
- Two-stage dedicated burner (low and high fire selector)
- 1ft power cord
- Combustion chamber pre-heating cycle
- Electronic flame control unit
- · Fuel lines in hydrocarbon-resistant rubber wire-mesh protected
- Screw on fuel tank cap
- Fuel tank drain plug
- · Ventilation only mode (fan can be operated when burner is off)
- Pre-heated oil filter (not included with FIRESTORM/S)
- Anti-shock frame with foldable handle (FIRESTORM400 HC) Single point lift bail and forklift pockets
- •
- 12" pneumatic wheels (16" for HC version)
- Optional return air adapter for inside warm air recirculation
- Heater is shipped fully assembled
- No supervision required: can be controlled by thermostat, humidistat or timer
- Combustion air pressure switch (safety device: turns off unit and require manual reset)
- Convection fan is controlled by thermostat that measure combustion chamber temperature
- AISI 430 stainless steel combustion chamber with four-pass heat exchanger technology
- · Single fuel line kit: allows to recirculate hot oil from the return line back into the pre-heated filter to maintain oil warmer in the filter and favorite cold starts and better burning perfomance in extreme cold temperature

### DEDICATED TWO-STAGE OIL BURNER

The Phoen line of heaters features a built-in burner specifically designed and optimized for cylindrical combustion chambers typical of our cannon-type heaters. The burner features a two-stage oil pump and a separated combustion air blower. Combined to the four-pass heat exchanger, enables to run the unit at 85% efficiency, one of the highest in the industry



		Firestorm 400	Firestorm 400HC
Part Number		48.7016	48.7009
Heat Input 2nd Stage	BTU/H	411,905	411,905
Heat Input 1st Stage	BTU/H	272,189	272,189
Heat Output 2nd Stage	BTU/H	354,239	354,239
Heat Output 1st Stage	BTU/H	231,360	231,360
Fuel Consumption 2nd Stage	US Gal/H	2.97	2.97
Fuel Consumption 1st Stage	US Gal/H	1.96	1.96
Airflow	CFM	3,250	3,250
Temp. Rise (@64 F) 2nd Stage	F	132	132
Temp. Rise (@64 F) 1st Stage	F	108	108
Power Supply	V,PH,Hz	120,1,60	120,1,60
Fan Motor Power	HP (RPM)	1 (1,700)	1 (1,700)
Burner Motor Power	HP (RPM)	1/4 (3,300)	1/4 (3,300)
Current Rating	AMPS	13	13
Max Length Duct 1-Way/2-Way	Ft	100/60	100/60
Max Length Air Inlet Duct	Ft	30	30
Max Length Fresh Air Intake	Ft	15	15
Flue Size	ln	6	6
Tank Capacity	US Gal	35.6	57
Run Time 2nd Stage - 1st Stage	Hr	18 - 12	29 - 19
Pallet	Qty	1	1
Container 20'/40'/40'HC	Qty	8/18/36	7/16/31



## **INFERNO HEATER**



#### Inferno

Large indirect-fired portable heaters with external burner (gas or diesel). The Inferno heaters are suitable for high volume spaces and can run on diesel or gas (LPG or natural gas), depending on the burner and can be equipped with an axial or a centrifugal fan. Centrifugal fans are very quiet, ensures greater pressure and is particularly recommended for installations with ducts.

- Approved for construction
- Available with oil or gas (NG or LP) burner
- Riello burner
- Electronic flame control unit
- Thermostats: FAN, TEMP LIMIT with automatic reset, overheating with manual reset
- Convection Fan is controlled by thermostat that measure combustion chamber temperature
- No supervision required: can be controlled by thermostat, humidistat or timer
- Casing with double steel protection for better thermal and acoustic insulation
- AISI 430 stainless steel combustion chamber with aerodynamic shape
- Ventilation only mode (fan can be operated when burner is off)
- Available with both axial or centrifugal fan (axial fan for a more compact unit and centrifugal fan "C" when higher static pressure is needed)
- · Lifting brackets
- 16" pneumatic wheels for easy mobility
- Hour meter
- Forklift pockets
- Pre-heated oil filter (oil version only)



			1		
		Inferno 700	Inferno 700C	Inferno 900	Inferno 900C
Part Number		48.7013	48.7024	48.7018	48.7025
Heat Input	BTU/H	700,000	700,000	900,000	900,000
Heat Output	BTU/H	595,000	595,000	765,000	765,000
Heated Airflow	CFM	7,420	7,420	8,830	8,830
Fuel Consumption	US GAL/H	5.04	5.04	6.48	6.48
Fuel Consumption NG	CFH	685	685	881	881
Min. Supply Pressure NG	ln.	Min. 7in W.C Max. 14in W.C.			
Fuel Consumption LP	CFH	275	275	353	353
Min. Supply Pressure LP	ln.	Min. 8in W.C Max 14in W.C.			
Max Air Temperature	F	250	250	250	250
Power Supply	V, PH, HZ	220,1,60	220,1,60	220,1,60	220,1,60
Fan Motor Power	HP (RPM)	2 (1,700)	3 (1,700)	3 (1,700)	4 (1,700)
Burner Motor Power	HP (RPM)	1/4 (3,300)	1/4 (3,300)	1/4 (3,300)	1/4 (3,300)
Current Rating	AMPS	7.8	13.5	10.3	15
Max Length Duct 1-Way	Ft.	200'	300'	200'	300'
Max Length Duct 2-Way	Ft.	100'	150'	100'	150'
Max Length Duct 3-Way	Ft.	50'	75'	50'	75'
Max Length Duct 4-Way	Ft.	30'	40'	30'	40'
Flue Pipe	ln.	8	8	8	8
Pallet	QTY	1	1	1	1
Container 20'	QTY	8	8	7	7
Container 40'	QTY	16	16	15	15
Container 40' HC	QTY	32	28	15	15

## ACCESSORIES

### **FIRE 155 ACCESSORIES**



Part Number 48.7102 Fuel Level Gauge



Part Number 48.7101 Heavy Duty Thermostat



Part Number 48.7103 Pre-heated Oil Filter (200W)



Part Number 48.7104 Single Fuel Line Kit



Part Number 48.7121 Fuel Level Gauge



Part Number 48.7127 Heavy Duty Thermostat

# BLAST ACCESSORIES



Part Number 48.7122 Fuel Tank Filler Filter



Part Number 48.7128 Single Fuel Line Kit



Part Number 48.7123 Lifting Brackets (4 Pieces)



(A) Part Number 48.7124 External Fuel Tank Connection Kit

- A Part Number 48.7125
- External Fuel Tank Connection Kit
   With Deaerator

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B Part Number 48.7126
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Pre-heated Oil Filter (200W)
(Standard For Blast200 &
Blast300
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### FIRESTORM ACCESSORIES



Fuel level gauge Part Number 48.7121



Heavy duty thermostat (20÷140°F)with 30' cable Part Number 48.7127



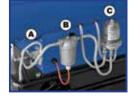
Fuel tank filler filter Part Number 48.7122



<u>Single fuel line ki</u>t <u>Part Number</u> 48.7128



Lifting brackets (4 pieces) Part Number 48.7123



External fuel tank connection kit
 Part Number
 48.7124

(A) External fuel tank connection	kit
with deaerator	
(C) Part Number	
48.7125	

B Pre-heated oil filter (200W) Part Number 48.7126

## ACCESSORIES



Part Number 48.7105 Fuel Level Gauge



Part Number Model 48.7109 Blaze100 - 12" 48.7110 Blaze200 - 14" Blaze300 - 16" 48.7111 One-way Duct Adapter

### **BLAZE ACCESSORIES**



Part Number 48.7106 Fuel Tank Filler Filter



Part Number Model 48.7112 Blaze200 - 12" + 12" 48.7110 Blaze300 - 12" + 12" Two-way Duct Adapter

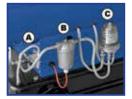


Part Number 48.7107 Lifting Brackets (4 Pieces)





Part Number 48.7104 Single Fuel Line Kit



Part Number 48.7124 A External Fuel Tank Connection Kit

- Part Number 48.7125 A External Fuel Tank Connection Kit Ċ
  - With Deaerator
- Part Number 48.7126 Pre-heated Oil Filter (200W) (Standard For Blaze200 & Blaze300

Part Number Model 48.7181 Inferno700 - 24" 48.7203 Inferno900 - 24" One-way Duct Adapter



Part Number Model 48.7182 Inferno700 - 20"+20" Two-way Duct Adapter



Part Number Model 48.7178 Inferno700 (42 Gal) 48.7199 Inferno900 (55 Gal) Fuel Tank



Part Number 48.7200 Inferno Fuel Tank Kit



48.7200 Part Number Inferno Fuel Tank Kit



Part Number TBD Air Outlet



Part Number 48.7114 Heavy Duty Thermostat



Part Number TBD Three-Way Duct Adapter



Four-Way Duct Adapter



Part Number 48.7114 Heavy Duty Thermostat





### MTM Hydro Inc. Phone: 952.746.4825 - 866.686.4020 Fax: 952.746.4829 - 866.686.4021 orders@mtmhydro.com

