

## **SPECIFICATION HAND HELD HEAT GUN**

1. **USE:** This specification is for a propane fueled Heat Gun that is suitable for the application of preformed thermoplastic pavement markings on both asphalt and concrete surfaces.
2. **UL APPROVAL:** The Heat Gun shall be UL listed and approved.
3. **CONSTRUCTION:** The Heat Gun should be of sturdy design utilizing an accelerated thrust of air heated by a short flame.
  - 3.1. **Size:** The length of the Heat Gun from air intake to the end of the nozzle must be a minimum of 37". The minimum length of the hose shall be 20' with a 360° swivel joint, and the minimum width of the nozzle shall be 5".
  - 3.2. **Material:** The nozzle must be constructed from stainless steel and the gas injection venturi must be made from aluminum or other similar metals. The handle must be made of insulating plastic.
  - 3.3. **Weight:** The maximum weight of the Heat Gun without the hose and gas cylinder valve shall be 4 pounds.
  - 3.4. **Ignition:** Piezoelectric type igniter must be built into and protected by the trigger body of the Heat Gun. No pilot flame, batteries, or flint are acceptable.
  - 3.5. **Safety:** No part of the Heat Gun, including the nozzle, shall become warmer than 125 degrees F. during a three (3) minute uninterrupted run at maximum power with the ambient temperature within 60°-90°F. Gas flow to the nozzle shall stop, thus extinguishing the flame, if the Heat Gun trigger is released.
  - 3.6. **Gas Consumption:** Maximum fuel consumption of the Heat Gun during continuous use is 8 lb./hour.
  - 3.7. **Gas Cylinder Valve:** The Heat Gun shall have an automatic safety shut off valve in case of leakage or breakage of hose or connectors. The Heat Gun shall have an adjustable regulator valve.
  - 3.8. **Heat Performance:** The Heat Gun must produce a minimum of 200,000 BTU at sea level altitude.
4. **OPERATION:** The Heat Gun shall be operated by a "dead man trigger", which when pressed, automatically ignites the Heat Gun without the use of any pilot flame in any form whatsoever.
5. **TECHNICAL SERVICES:** The successful bidder shall provide technical services and ensure spare parts supply as required.
6. **WARRANTY:** The successful bidder shall provide a twelve (12) month warranty covering parts and labor. Damage due to negligence, misuse or accident is exempted.